

Participant List and Biographical Information - 2008 Lake Sturgeon Coordination Meeting

Jeffrey D. Allen
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I am a Fisheries Biologist at the Great Lakes Science Center, specializing in developmental biology and microscopy. As a member of the USGS Dive Team at the center, we are interested in the development and implementation of new techniques which can offer a better assessment of ecosystem function.

Doug Aloisi
US Fish and Wildlife Service, Genoa National Fish Hatchery
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Serves as project leader and hatchery manager of the Genoa (WI) National Fish Hatchery. The station currently propagates and raises 2 strains of lake sturgeon for restoration efforts in Missouri, Wisconsin, Tennessee, and Minnesota. The station also currently supplies sturgeon for aquariums and many research entities, some sponsored by the Great Lakes Fishery Trust. This year, sturgeon were produced and supplied to research agencies to track olfactory development, study tag retention, and investigate new methods of marking.

Matthew Altenritter
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Our work is primarily focused on investigating aspects of early life history of lake sturgeon in a remnant population inhabiting the Muskegon River system. The objectives of this study are to: 1) estimate the abundance of spawning adults in the system, 2) locate spawning sites in the Muskegon River, 3) assess spawning success by collecting drift samples in the river, and 4) track the movement of juvenile lake sturgeon to determine residence and habitat preferences in Muskegon Lake. Our research will provide important information needed to facilitate decisions concerning lake sturgeon rehabilitation in this system.

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I am a fish and wildlife technician that assists in the following. The Menominee Indian Tribe of Wisconsin continues to undergo research on Lake Sturgeon Restoration. Lake Sturgeon had been extirpated from the Menominee Indian Reservation, WI until 1994 when federal, state, and tribal biologists began implementing strategies to reintroduce Lake Sturgeon to reservation waters. The Lake Sturgeon is an important part of the Menominee Indian Tribe

culturally and also has provided subsistence in years past. Research activities include reintroduce adult Lake Sturgeon, stock yearling Lake Sturgeon, monitor behavior and habitat use using radio-telemetry, and conduct annual population assessments on reintroduced populations. These activities will enable the identification of preferred habitat for lake sturgeon on the Menominee Reservation and bring the population to a self-sustaining level. Biological monitoring of movement behavior, habitat use and population status will allow adaptation of current management strategies as needed. The data collected and lake surveys completed will be used in the development of management plans and Menominee Fishing Rules and Regulations governing Lake Sturgeon.

Brenda Archambo
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Brenda Archambo is the Founder and President of Sturgeon For Tomorrow (Michigan), a 501c3 non-profit organization whose mission is to assist fisheries managers in the rehabilitation of the threatened lake sturgeon. Through collaborative process and advocacy, Archambo's volunteer leadership established grass-roots partnerships between stakeholders, universities, and the Michigan DNR to implement research, spawning habitat conservation and outreach programs to promote lake sturgeon reproductive ecology and early life history, including stream-side rearing. Many people also refer to Brenda as "The Sturgeon General". Brenda Archambo is also an outreach consultant with the National Wildlife Federation.

Gil Archambo
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Gil Archambo is a co-founder of Sturgeon For Tomorrow (SFT) in Michigan and serves on the Board of Directors. Gil successfully argued for allowing a minimal harvest of lake sturgeon from the Black Lake population. Gil and SFT members convinced state fisheries managers that the cultural significance of sturgeon spearing could be used to promote efforts to recover sustainable populations of this majestic fish. Gil was influential in developing and organizing a harvest tag lottery for sturgeon spearing season on Black Lake.

Archambo has logged thousands of volunteer hours assisting researchers in netting and tagging sturgeon in the Black River, larval sampling, stream-side rearing, organizing logistics for the Annual Sturgeon Guarding Program, serves on the Sturgeon Advisory Council, and assists with hatchery tours and field trips to view spawning sturgeon.

Gil is also the Chief Engineer at the Black Lake UAW Family Education Center.

Nancy Auer
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In 1987 I began an investigation into the population status of lake sturgeon utilizing the Sturgeon River in the Lake Superior watershed for spawning. The initial study focused on operation of a small hydropower facility which impacted sturgeon movement and spawning. In 1990 the facility was relicensed and now operates at near ROR which has enhanced spawning success and movements of the population. By 2004 we began to see the fruits of the labors of relicensing as more untagged and sub-adult fish were being encountered in the river and surrounding watershed areas. I have worked with lake sturgeon in the Sturgeon

River and Ontonagon Rivers and several Lake Michigan tributaries. I have prepared or contributed to peer-reviewed publications, book chapters, was editor of the Lake Superior Rehab Plan for Lake Sturgeon in Lake Superior (2002) and have supported many Master's students on research funding directly related to lake sturgeon. In 2004-2005 research work focused on the use of split-beam, side-scan hydroacoustic assessment of the spawning lake sturgeon population in the Sturgeon River, assisting in the assessment of Lake Michigan sturgeon stocks in upper peninsula tributaries both with Dr. Ed Baker of the Michigan DNR and also worked with the Little River Band of Ottawa Indians on larval to age-1 lake sturgeon distribution in the Manistee River with J. Marty Holtgren. These projects were funded by the Great Lakes Fishery Trust. Through NOAA and MDNR Dr. Baker and I have supported and operated a rearing facility on the Ontonagon River, Michigan. In October we released lake sturgeon reared at that facility. Currently I am working with David Dempsey on joint editorship of a book: *The Great Lake Sturgeon*.

Ed Baker

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I am a Fisheries Research Biologist for the Michigan DNR and have been researching lake sturgeon in the Great Lakes since 1995. Research topics have included lake sturgeon distribution and status in Michigan, early life history, hydroacoustic assessment of spawning runs, and streamside sturgeon culture. I have also been actively involved in the development of lake sturgeon management plans for the state of Michigan and the upper Great Lakes. I'm a member of the lakes Michigan, Huron, and Superior Sturgeon Work Groups.

David Barbour

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Involved with water management planning, renewable energy hydro development and large scale hydro expansion projects on North Eastern Ontario Rivers. Water related work experience has enhanced awareness of issues and impacts related to sturgeon. The water management planning process highlighted issues including entrainment but also provided the opportunity to understand peaking facility operations and the associated impacts to the zone of influence triggering the desire to understand lake sturgeon needs and requirements more.

Roy Beasley

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Capture and tag lake sturgeon by means of trawling and set lining. Track sturgeon via sonic tags.

Andries Blouw

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I have been a Great Lakes Fishery Biologist with the USFWS since 2002 and have worked with lake sturgeon for 11 years. I serve as chair of the Lake Huron Lake Sturgeon Task Group of the Lake Huron Committee, serve on the Lake Erie Habitat Task Group of the Lake Erie Committee, serve on the USFWS Great Lakes Basin Lake Sturgeon Committee, and lead the Service's lake sturgeon work in the Huron Erie Corridor and Lake Erie. Most recent work has been working with USGS, Michigan DNR, DFO Canada and Ontario MNR to assess historical lake sturgeon spawning areas in the Huron Erie Corridor and also looking at the pre-construction and post-construction of an artificial lake sturgeon spawning reef located at Fighting Island in the Detroit River. Since working with the Service I have been project manager or co-project manager on 6 lake sturgeon projects including: *Using GIS to determine habitat use and movement patterns of adult lake sturgeon spawning in the North Channel of the St. Clair River*, *Movement patterns and habitat use of lake sturgeon spawning in the upper St. Clair River*, *Movement patterns and habitat use by juvenile lake sturgeon in the St. Clair River*, *Lake sturgeon use and habitat availability on the Maumee River (OH)*, *Lake sturgeon use and habitat availability in the Saginaw River Watershed*, *Assessment of remnant lake sturgeon populations in Lower Detroit River*.

Mary Bohling

Michigan Sea Grant

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Project partner for the Detroit River Sturgeon Spawning Habitat Project near Belle Isle, Detroit Michigan.

Project partner for the Detroit River Fisheries Habitat Project near Fighting Island, Ontario Canada.

Anjanette Bowen

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Currently manage the Great Lakes Lake Sturgeon web site and provide some updates for the Great Lakes Lake - Sturgeon Tag Identification Database and web portal.

Mark Brouder

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Aquatic restoration and sturgeon aquaculture (white sturgeon).

Doug Carlson
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I am the coordinator for the endangered fish programs as well as conducting state-wide inventory of fishes so we can update our maps. The sturgeon recovery program has been underway for about 13 years, and it has made substantial gains in stocking success. There has been a second version of our sturgeon recovery program, and we have moved-on to bays of Lake Ontario. Unfortunately, the issues with VHS have put our hatchery program on hold.

David Caroffino
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I have participated in the adult lake sturgeon assessment in the St. Marys River through Lake Superior State University, but my primary research has focused on early-life stages (egg, larval, age-0 juvenile) in the Peshtigo River, Wisconsin, including work describing their mortality rates, mortality sources, and movement patterns.

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Assisted with the development of the Lake Sturgeon Tributary Database and GIS.
Current point of contact for the ArcIMS Sturgeon website.
Utilized GPS and GIS for sturgeon inventory and tracking in the Niagara River.

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Sarah Couchie
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Assessments in lakes across Ontario.

Sarah Ashleigh Couchie
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- Intern at the A/OFRFC, Worked on Smooth Rock Lake spring 2008 (2 weeks). Biological samples were obtained (genetic, aging structure, length, weight, girth, maturity), Floy tagged, Pit tagged approximately 50 sturgeon.
- Exact same work was done in Espanola for 2 weeks on the Spanish River in spring 2008.
- Pic River near Marathon, I observed and assisted with a telemetry project where lake sturgeon were surgically implanted with a radio tag.
- Interested in learning more about the work done with lake sturgeon.

Jaquie Craig
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Current lake sturgeon research includes working on developing a species-specific assay to sex fish by blood plasma hormones. Previous work showed that reagents from other *Acipenser* species were not effective enough, which has led to research to develop antibodies specific for lake sturgeon vitellogenin. Eventually, we would like to see the development a field test kit that would provide immediate results for both adults and juveniles alike. The USGS Great Lakes Science Center, USGS Columbia Environmental Research Center, Michigan Department of Natural Resources Lake St. Clair Fisheries Research Station, and Missouri Department of Conservation is working together to meet these goals.

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My lab is interested in lake sturgeon sex determination. Gynogenesis and karyology suggest that some sturgeon (e.g., shortnose, white) have genetic sex determination. If so, a PCR-based sexing assay that could discern the sex of an individual from a buccal swab, fin clip, blood sample, etc. could prove to be valuable. However, molecular evidence for genetic sex determination in sturgeon is lacking. Furthermore, even if it exists in one species, it may not in another as fish sex determination is extraordinarily labile. We are using modern molecular techniques, including gonad transcriptome sequencing via the Roche 454 platform, to try and uncover sex determining genes in lake sturgeon.

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The Anishinabek/Ontario Fisheries Resource Centre (A/OFRFC) is a not-for-profit corporation and our clients are located in 41 First Nation communities, all of which are members of the Union of Ontario Indians. Lake sturgeon has always been an important cultural and subsistence fish species for many First Nation communities and the listing of lake sturgeon as a 'threatened' species, by the Committee on the Status of Endangered Wildlife in Canada (COSEWIC) can, therefore, have implications for these communities. Consequently, the A/OFRFC has conducted a number of sturgeon tagging projects with various First Nation

communities – 5 years in the Mississauga River; 3 years in Aird Bay, Lake Huron; 3 years in the Spanish River; 4 years in the Sturgeon River; 3 years in Smoothrock Lake; 3 years in Lake Nipigon and 3 years in Pic River – the majority of these projects targeted spawning adult fish but several were juvenile tagging projects.

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I am doing research on lake sturgeon restoration and conservation in New York State.

Suzanne Dixon
Kalamazoo River Sturgeon for Tomorrow, New Richmond Chapter
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I am the Secretary of the recently formed Kalamazoo River Sturgeon for Tomorrow organization. We did egg sampling activities in the Spring. We have recently supported the efforts of the Gun Lake Tribe in a grant proposal hoping to partner in further research. We hope to do river restoration projects to improve habitat.
I am looking forward to the networking opportunities this meeting provides.

The mailing address of the organization is: Kalamazoo River Sturgeon for Tomorrow
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Michael Donofrio
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WDNR manager for sturgeon populations in the Menominee River and Green Bay. Current projects include the use of sonic transmitters to track the movements of adult and juvenile sturgeon in the Green Bay and Menominee river basins.

David Dortman
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I review dredging projects on the St. Claire River to coordinate with DNR and USFWS in addressing potential impacts to lake sturgeon. I am also a sturgeon fisherman/angler and native of Port Huron.

Bradley Eggold
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I have been a Great lakes Fishery Biologist with the USFWS since 1993 and lead the Service's lake sturgeon work on Lake Michigan. I have worked with numerous other biologists and researchers on projects focusing on status assessments, movement, genetic structuring and mixed stock analysis, historic distribution, early life history characteristics, habitat evaluation and protection, fish passage development, and on streamside rearing for lake sturgeon in Lake Michigan. Many of these projects have been funded by the GLFT. I serve as chair of the Lake Michigan Lake Sturgeon Task Group and have assisted with the development of guidelines for the genetic conservation and stocking of lake sturgeon in Lake Michigan and in the Great Lakes as part of developing a rehabilitation plan for Lake Michigan. I also have helped plan and host each of these biennial lake sturgeon coordination meetings.

Barbara Evans
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I have worked on sturgeon propagation for restoration purposes. This includes hormone injection of hard females with LHRHa to induce ovulation.

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I am a fifth-year PhD candidate at Michigan State University in the Department of Zoology (Molecular Ecology Lab) expected to complete my degree this Fall Semester 2008. As of late May 2008, I have concurrently been employed as a Fisheries Research Biologist at Ball State University on a long-term research project involving yellow perch population dynamics in the Indiana waters of Lake Michigan. Although my research on lake sturgeon tends to be diverse, I typically focus on questions that pertain to the early life history stages of this very unique species. For example, I have used field and laboratory experimentation to quantitatively describe depositional patterns of recently spawned eggs, estimate the magnitude of egg mortality and partition loss into different sources. I have also determined

differential probabilities of egg survival as a function of stream conditions such as water flow, predator density and substrate size. In an effort to tie aspects of reproduction to early life stages, I have recently been working to develop linear mixed models that relate the upstream movements and behavior of spawning adult lake sturgeon to stream conditions. These statistical models are also used to estimate variance in repeatability in spawning behavior with respect time (spawn date), location or environmental conditions such as water temperature and discharge.

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Clerical.

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Bill Gardner has been involved with field collections of lake sturgeon since 2002. Most of his lake sturgeon work has been done in Lake Superior (Canadian side).

Brian Gunderman
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During 1999-2000, I conducted lake sturgeon research on the Manistee River (Michigan) to obtain information on basic population parameters (spawning population size, age structure, and growth) for my Master's thesis. During 2002-2004, I worked for the U.S. Fish and Wildlife Service in Green Bay, Wisconsin. My work with the USFWS involved capturing lake sturgeon (various life stages) in Green Bay and tributary streams to (1) estimate the abundance of adult lake sturgeon during the spawning run in four Green Bay tributaries, (2) describe and quantify reproductive success in these rivers, (3) describe spawner habitat availability and use in these systems, (4) determine the distribution and contribution of discrete spawning stocks to the mixed population of sturgeon inhabiting Green Bay, and (5) estimate the overall population size of lake sturgeon residing in Green Bay. I have been a fisheries management biologist for the Michigan Department of Natural Resources since June 2004. I started my DNR career in the West Lake Superior Management Unit. Two sturgeon populations (the Sturgeon River and Ontonagon River populations) were within my management jurisdiction, and I occasionally had opportunities to assist with lake sturgeon

research efforts on these systems. In February 2008, I transferred to the Southern Lake Michigan Management Unit (Plainwell office). My current management area includes the St. Joseph River and Galien River watersheds. Small numbers of adult lake sturgeon have been observed in the St. Joseph River below Berrien Springs Dam, and I plan to assist with the St. Joseph River sturgeon research program as opportunities arise.

Matthew Hale
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I am interested in sex determination and Lake Sturgeon. Karyotype and gynogenesis analysis on other sturgeon species suggests a molecular basis of sex determination. However, so far there has been no sign of any sex determining genes in lake or indeed any other species of sturgeon. Having a sex determining assay that would allow sex to be assigned by a simple PCR would be of significant advantage for lake sturgeon researchers. I am using next generation sequence techniques on the gonads (testes and ovaries) of lake sturgeon to try and discover such genes.

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Enforcement

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Species At Risk Biologist

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- Recently completed a state-of-the-resource report for lake sturgeon in the Moose River Basin (public audience document)
- Currently authoring a document on the distribution, range and status of lake sturgeon in northeastern Ontario. Mapping is in a GIS environment with attribute information linked to stream segments.
- Currently working with First Nation communities on the Hudson Bay coast to document aboriginal traditional knowledge of lake sturgeon resources
- Periodically review mining and other river development proposals and recommend habitat/flow solutions or monitoring requirements related to lake sturgeon

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Marty Holtgren has been involved in sturgeon research and management for 10 years. Currently, as a biologist for the Little River Band of Ottawa Indians has assisted in the development of a Tribal sturgeon management plan, design and operation of the first streamside rearing facility for sturgeon, evaluation of streamside versus wild-raised sturgeon, and extensive sturgeon habitat use and selection studies.

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Senior Research Associate at Cornell Biological Field Station on Oneida Lake, New York since 2000. Sturgeon work focused on assessment of a restoration stocking program on the lake initiated in 1995. Work includes basic population dynamics – growth, feeding, as well as habitat selection.

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I am a Fisheries Biologist for the US Geological Survey, and have worked at the Great Lakes Science Center in Ann Arbor for a little over 23 years. During that time, my primary focus has been on fisheries related habitat mapping, using side-scan sonar and underwater remote video to characterize fish spawning and nursery habitat throughout the Great Lakes basin. Over the past 8 years, I have worked closely with Dr. Manny on research to examine the status of lake sturgeon spawning habitat and recruitment potential within the Huron-Erie Corridor. This research has included involvement in several habitat creation and monitoring studies.

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I am a research scientist with Fisheries and Oceans Canada (Great lakes Laboratory for Fisheries and Aquatic Sciences, Burlington, ON). I conduct research on the life history of fishes, impacts of aquatic invasive species, and the conservation and recovery of species at risk. In these research areas I employ a combination of tools including population and ecosystem modelling, risk assessment, data mining and (some) field research. My recent work on lake sturgeon, in collaboration with Dr. Antonio Vélez-Espino, involves population modelling to assist with DFO's recovery potential assessment of lake sturgeon. This work involves identifying recovery targets, levels of allowable harm, needed recovery efforts and projections of possible recovery scenarios.

Kenneth Koster
Michigan Dept. of Natural Resources, Lake St. Clair Fisheries Research Station
33135 S. River Rd., Harrison Twp., MI 48045-5710
Email: kosterk@michigan.gov, Phone: 586-465-4771, Fax: 586-465-7504

Help in capture of sturgeon for collecting biological data, tagging, tacking and diet studies.
Have aged fin-ray sections. Have tracked sturgeon in the St. Clair River and on Lake St. Clair.

Adam Kowalski
US Fish and Wildlife Service, Alpena National Fish and Wildlife Conservation Office
145 Water St. Room 204, Alpena, MI 49707
Email: Adam_kowalski@fws.gov, Phone: 989-356-5103 x13, Fax: 989-356-4651

Managing the Great Lakes Lake Sturgeon Tag Identification Database. Managing the database involves keeping in touch with researchers tagging lake sturgeon to receive new tag information annually to update the searchable database containing over 15,800 PIT tags and 150 external tag sequences from 31 individual participants representing 18 agencies.

Working with commercial fishers in Saginaw Bay, Lake Huron commercial fishers who volunteer to tag lake sturgeon when caught as by-catch during the normal fishing seasons. Funding was received from the Great Lakes Fishery Trust this year to expand this project to Western Lake Erie and Northern and Eastern Lake Huron and provide commercial fishers with PIT tag readers and PIT tags. The information collected from the fishers is maintained at the Alpena National Fish and Wildlife Conservation office.

Greg Lashbrook
Gregory AD
4756 Burtch Road, Suite 69, Lakeport, MI 48059
Email: Greg@GregoryAD.com, Phone: 877-DIVING2, Fax:

Rick Loeffler
North American Hydro Holdings, LLC
116 N. State Street, P.O. Box 167, Neshkoro, WI 54960
Email: rick.loeffler@nahydro.com, Phone: 920 293-8514, Fax: 920 293-8087

Member of an environmental compliance team for a hydroelectric firm. Assist with design and development of fish passage/protection at hydroelectric facilities with lake sturgeon as target species.

Chet Mackenzie
Vermont Dept. of Fish and Wildlife
271 North Main Street, Suite 215, Rutland, VT 05701-2423
Email: chet.mackenzie@state.vt.us, Phone: 802 786-3864, Fax: 802-786-3870

Chet MacKenzie has been the project leader for the Lake Champlain Lake Sturgeon Assessment project for the past 10 years. Early efforts focused on capturing adult lake sturgeon at historic spawning sites in tributaries to Lake Champlain. Recent sampling has focused on collecting lake sturgeon eggs at spawning sites and drifting larvae. The next step in the Lake Champlain lake sturgeon project will be to develop a management plan.

Holly Madill
Great Lakes Fishery Trust
600 West St. Joseph Suite 10, Lansing, MI 48933-2265
Email: hmadill@glft.org, Phone: 517-371-7468, Fax: 517-484-6549

The mission of the Great Lakes Fishery Trust (GLFT) is to provide funding to enhance, protect and rehabilitate Great Lakes fishery resources. The GLFT will manage its resources to compensate for lost use and enjoyment of the Lake Michigan fishery resulting from the operation of the Ludington Pumped Storage Plant. Since its inception in 1996, the GLFT has granted a total of \$40,838,562 toward meeting its mission. The average amount of granting per year is near \$6 million. While the GLFT has always granted monies for Great Lakes fishery research, in 2001 it opened a category specifically to address the recruitment, rehabilitation, and restoration of lake sturgeon. To date, the GLFT has funded over \$19 million for Ecosystem Health and Sustainable Fish Populations research. Of that amount, \$4,157,396 (28 projects) has been dedicated to lake sturgeon rehabilitation and research, accounting for 21% of the research funding and only since 2001. Needless to say, lake sturgeon is of great importance to the GLFT and will continue to be a focus.

Bruce Manny
US Geological Survey, Great Lakes Science Center
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Email: bmanny@usgs.gov, Phone: 734-214-7255, Fax: 734-994-8780

Jeremy Maranowski
Michigan Dept. of Natural Resources, Lake St. Clair Fisheries Research Station
33135 S. River Rd., Harrison Twp., MI 48045
Email: maranowj@michigan.gov, Phone: 586-465-4771, Fax: 586-465-7504

Help capture sturgeon to obtain biological data. Track sturgeon via sonic tags.

Alastair Mathers
Ontario Ministry of Natural Resources, Lake Ontario Management Unit
RR #4, Picton, ON K0K 2T0
Email: alastair.mathers@ontario.ca, Phone: 613-476-8733, Fax: 613-476-7131

- Worked for the OMNR since 1986 and for the Lake Ontario Management Unit since 1989
- Has waved the 'sturgeon flag' whenever possible
- Preliminary investigations of spawning of sturgeon in the Trent River and sampling of young sturgeon are the only field related activities
- Recently has been involved in the development of a sturgeon management plan for the Lake Ontario Technical Committee of the GLFC

Kathleen McGrath
SUNY College of Environmental Science and Forestry
1 Forestry Drive, Syracuse, NY 13210
Email: kmcgrath@esf.edu, Phone: 315-470-4814, Fax: 315-470-6934

I'm new to SUNY-ESF and new to lake sturgeon. I will be initiating lake sturgeon work in 2009 with NYSDEC (Doug Carlson, Jeff Loukmas) and USGS (Dawn Dittman), pending receipt of funding. Our study will examine population parameters and habitat use of hatchery-reared lake sturgeon in the Oswego River (Erie Canal) system of central New York.

Rob Mellow
Golder Associates
1010 Lorone Street, Sudbury, ON P3C4R9
Email: rmellow@golder.com, Phone: 705-524-6861 x235, Fax: 705-524-1984

Aquatic biologist with Golder based out of Sudbury. Over the past four years have been involved in an annual spawning survey on the Groundhog River, part of the Moose River Drainage basin. Purpose of survey has been to monitor potential impacts of mining effluent on spawning habitat use, hatch survival and larval development of lake sturgeon within upper Groundhog River.

Lloyd Mohr
Ontario Ministry of Natural Resources, Great Lakes Branch
1450 Seventh Ave. East, Owen Sound, ON N4K 2Z1
Email: lloyd.mohr@ontario.ca, Phone: 519-371-5669, Fax: 519-371-5844

I have worked with lake sturgeon in northern Manitoba on large riverine systems and in the Great Lakes (Lake Huron) both in the open water and in tributaries. Our work is both independent and also in cooperation with the commercial fishery in Lake Huron. Our work on Lake Huron has included mixed population estimates, spawning run population size estimates, life history assessment, presence/absence surveys of various tributaries, larval production assessment, movement assessment and an attempt at external sex determination. I am personally interested in the unique life history strategy of lake sturgeon and how that has helped it to survive and or has impeded its recovery. Related to that I am also interested in how the unique life history can be analyzed using ageing structures.

Kurt Newman
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Email: NewmanK@michigan.gov, Phone: 517-241-3623, Fax: 517-373-0381

Lisa O'Connor
Fisheries and Oceans Canada
1 Canal Drive, Sault Ste. Marie, ON P6A 6W4
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Lisa O'Connor has recently completed an *in situ* study of YOY lake sturgeon and the effects of the lampricide TFM. For this project both hatchery and wild YOY sturgeon were followed *in situ* during a TFM lampricide application, to determine the effect of two concentrations of TFM (full and "sturgeon protocol level") on YOY sturgeon survival. She hopes to continue to work with lake sturgeon on the Pic River in 2009. Her previous projects have included fish passage and movement at low-head barriers and trap and sort fishways using PIT tags.

Dan O'Keefe
Michigan Sea Grant
333 Clinton St., Grand Haven, MI 49417
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I am working with stakeholder groups and management agencies toward a partnership for lake sturgeon conservation in southwest Michigan. Current activities include designing a display and brochure to educate and engage the public and solicit information regarding sturgeon sightings and incidental captures.

Steve Patch
US Fish and Wildlife Service
3817 Luker Rd., Cortland, NY 13045
Email: Stephen_patch@fws.gov, Phone: 607-753-9334, Fax: 607-753-9699

Maureen Peltier
Anishinabek/Ontario Fisheries Resource Centre
755 Wallace Rd., Unit # 5, North Bay, ON P1B 8G4
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Tom Pratt
Fisheries and Oceans Canada, Great Lakes Lab. of Fisheries & Aquatic Sciences
1 Canal Drive, Sault Ste. Marie, ON P6A 6W4
Email: prattt@dfo-mpo.gc.ca, Phone: 705-942-2848, Fax: 705-942-4025

I have been involved with 1) assessing lake sturgeon populations on the Canadian side of Lake Superior, 2) investigating the effects of lampricide on age-0 sturgeon, 3) leading the recovery potential assessment for lake sturgeon in the Great Lakes basin as part of the Canadian Species-at-Risk process, and I will be involved in developing a recovery strategy for Great Lakes lake sturgeon populations.

Milford Purdy
Purdy Fisheries Ltd., Ontario Commercial Fishermens Assoc.
724 Victoria St., Point Edward, ON N7V 1J8
Email: mmpurdy@bellnet.ca, Phone: 519-344-3027, Fax: 519-336-3048

Commercial fisherman. Company holds sturgeon quota in Lake Huron main basin. Fishery 108 yrs old.

Stephanie Purdy
Purdy Fisheries Ltd., Ontario Commercial Fishermens Assoc.
724 Victoria St., Point Edward, ON N7V 1J8
Email: spurdy@bellnet.ca, Phone: 519-344-3732, Fax: 519-344-8132

Marketing and sales for commercial fishery. Fishery 108 yrs old. Holding sturgeon quota.

Tim Purdy
Purdy Fisheries Ltd.
724 Victoria St., Point Edward, ON N7V 1J8
Email: lpurdy2@cogeco.ca, Phone: 519-344-3732, Fax: 519-344-8132

Commercial fisherman. Sturgeon quota holder.

Jeremy Pyatskowit
Menominee Indian Tribe of Wisconsin, Environmental Services Department
P. O. Box 910, Keshena, WI 54135-0910
Email: jpyatskowit@mitw.org, Phone: 715-799-6150, Fax: 715-799-6153

I've been working on the MITW Sturgeon Management Plan since 1996. The MITW is currently in the process of revising the plan to formulate new goals and methods for reaching those goals.

Jonathan Pyatskowit
Menominee Indian Tribe of Wisconsin, Environmental Services Department
P. O. Box 910, Keshena, WI 54135-0910
Email: jdpyskowit@mitw.org, Phone: 715-799-4937, Fax: 715-799-6153

I am presently involved in assisting the tribe as it works to re-evaluate and update a management plan that was drafted in 1995. The tribe is interested in any new information that will help bring a viable population of sturgeon back to reservation waters.

Henry Quinlan
US Fish and Wildlife Service, Ashland National Fish and Wildlife Conservation Office
2800 Lake Shore Dr. East, Ashland, WI 54806
Email: henry_quinlan@fws.gov, Phone: 715-682-6186 ext 203, Fax: 715-682-8899

My recent work includes evaluation of juvenile lake sturgeon abundance and biological characteristics in nearshore waters of Lake Superior, examination of stock specific movements and habitat use during non-spawning periods using genetic analyses, and development of guidelines for stocking lake sturgeon in the Great Lakes.

Kevin Reid
Ontario Commercial Fishermens Association
45 James Street, Blenheim, ON N0P 1A0
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Professional fisheries biologist since 1989. 13 years in fisheries consulting industry before joining OCFA as biologist and assessment manager in 2002. Co-organizer of a 2007 workshop/symposium on fish and seafood traceability in conjunction with MNR and University of Guelph. Collaborator with academics and industry conducting traceability-related research and development for the Ontario fishing and fish processing industry. OCFA designated lead for process of sustainability and chain of custody certification for Ontario commercial fish.

Pamela Reid
Montcalm Environmental Liaison Group, Xstrata Nickel Montcalm Mine
PO Bag 2002, Timmins, ON P4N 7K1
Email: preid@xstratanickel.ca, Phone: 705-267-8943, Fax: 705-267-8940

Bob Reider
DTE Energy Detroit
65560 2000 Second Ave., Detroit, MI 48226
Email: reiderb@dteenergy.com, Phone: 313-235-7022, Fax: 313-235-5018

DTE Energy has been supporting lake sturgeon restoration activities on the Detroit River.

Donald Reiter

Menominee Indian Tribe of Wisconsin, Menominee Conservation Fish and Wildlife Dept.

P. O. Box 910, Keshena, WI 54135-0910

Email: manager90@frontiernet.net, djreiter@mitw.org, Phone: 715-799-5116, Fax: 715 799-5165

The Menominee Indian Tribe of Wisconsin continues to undergo research on Lake Sturgeon Restoration. Lake Sturgeon had been extirpated from the Menominee Indian Reservation, WI until 1994 when federal, state, and tribal biologists began implementing strategies to reintroduce Lake Sturgeon to reservation waters. The Lake Sturgeon is an important part of the Menominee Indian Tribe culturally and also has provided subsistence in years past. Research activities include reintroduce adult Lake Sturgeon, stock yearling Lake Sturgeon, monitor behavior and habitat use using radio-telemetry, and conduct annual population assessments on reintroduced populations. These activities will enable the identification of preferred habitat for lake sturgeon on the Menominee Reservation and bring the population to a self-sustaining level. Biological monitoring of movement behavior, habitat use and population status will allow adaptation of current management strategies as needed. The data collected and lake surveys completed will be used in the development of management plans and Menominee Fishing Rules and Regulations governing Lake Sturgeon.

Laurent Robichaud

Montcalm Environmental Liaison Group

189 O'Neil Ave., Timmons, ON P4N 4K6

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My Lake Sturgeon involvement started in 1994 with the sighting of a major spawning event. I've since taken High School Students, world wide science fair visitors, local groups and individuals to observe these annual events. I've also been involved with species management through the regional and district branches of OMNR. Adult relocation, recreational fisheries regulation changes, geographical naming of rapids/falls, stream rehabilitation, assist with aquatic scientific research, permitted capture and relocation of juvenile to the Sudbury Science North centre. Involved with existing dam structure defects in entrainment hazard resolving and lastly new dam project developments in our Northern Ontario Rivers. I just turned 57 and months away from retirement as a Millwright with Xstrata Copper where I hope to increase my commitment and involvement with Lake Sturgeon/Northern River issues and just sharing the precious nature in our backyard.

Richard Rowe

Nipissing First Nation, Natural Resources Department

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- Studying population status and habitat use of remnant sturgeon population in Lake Nipissing
- Using mark-recapture techniques on adult sturgeon at two spawning sites to estimate remnant adult population
- Using mark recapture techniques on juvenile sturgeon caught by Nipissing First Nation members while commercially fishing for walleye
- Tracking adult sturgeon using radiotelemetry to learn more about habitat use and movement patterns

Carl R. Ruetz III
Grand Valley State University, Annis Water Resources Institute
740 West Shoreline Dr., Muskegon, MI 49441
Email: ruetzc@gvsu.edu, Phone: 616-331-3946, Fax: 616-331-3864

I am working collaboratively with Kregg Smith (MDNR) and Matthew Altenritter (GVSU graduate student) to investigate the early life history of lake sturgeon in a remnant population inhabiting the Muskegon River system. The objectives of this study are to: 1) estimate the abundance of spawning adults in the system, 2) locate spawning sites in the Muskegon River, 3) assess spawning success by collecting drift samples in the river, and 4) track the movement of juvenile lake sturgeon to determine residence and habitat preferences in Muskegon Lake. Our research will provide important information needed to facilitate decisions concerning lake sturgeon rehabilitation in this system.

Ann Runstrom
US Fish and Wildlife Service, La Crosse National Fish and Wildlife Conservation Office
555 Lester Ave., Onalaska, WI 54650
Email: Ann_Runstrom@fws.gov, Phone: 608-783-8433, Fax: 608-783-8450

B.S. for UW-Stevens Point, M.S. from Uof MN, fishery biologist with USFWS since 1990, serving short stints at Jordan River NFH and Sea Lamprey Control in Marquette, then settling in at La Crosse in 1991. Most of my work is with lake sturgeon restoration efforts on the Menominee Indian Reservation, but I also have interest in sturgeon populations and management issues in the Mississippi River basin.

Amy Schueller
Michigan State University
13 Natural Resources Building, East Lansing, MI 48824
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I am a doctoral student at Michigan State University working with Dr. Daniel Hayes. My research is focused on the minimum viable population size for lake sturgeon and stocking strategies for lake sturgeon accounting for both demographics and genetics, specifically inbreeding. Generally, my research is focused on computer simulation modeling and population dynamics.

Kim Scribner
Michigan State University, Dept. of Fisheries and Wildlife
13 Natural Resources Bldg., East Lansing, MI 48824-1222
Email: scribne3@msu.edu, Phone: 517-353-3288, Fax: 517-432-1699

I have been on the faculty at MSU for 10 years and I have 25 years of experience working in the fields of ecological genetics and population ecology. I have been a PI on several sturgeon projects on the Great Lakes and tributaries. I direct multiple field and lab projects and supervise graduate students working on lake sturgeon population genetics, recruitment, assessment of restoration methods, and on the mating system.

Darin Simpkins

US Fish and Wildlife Service, Green Bay Ecological Services Field Office

2661 Scott Tower Drive, New Franken, WI 54229

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Darin is a Coastal Restoration Specialist for the U.S. Fish and Wildlife Service Great Lakes Coastal Program (see <http://www.fws.gov/midwest/greatlakes/glcoastal.htm>). He has a B.S. degree from Michigan State University in Fisheries Science and Limnology and M.S. and PhD degrees in Zoology and Physiology, with a minor in Statistics, from the University of Wyoming. Prior to working for the Service, he was a Research Associate at Colorado State University and a Research Fish Biologist for the U.S. Geological Survey. His emphasis with USGS was on relationships between flow and habitat management actions on spawning and early life history dynamics of pallid sturgeon and shovelnose sturgeon in the Missouri River. He is a life member of the American Fisheries Society, as well as a member of the USFWS Strategic Habitat Conservation regional support team and the Department of Interior Ocean Science Team. Darin is interested in identifying restoration opportunities and priorities for fish and wildlife in the Great Lakes Region, such as lake sturgeon, that will result in documenting measurable outcomes that lead to species recovery.

Thomas Stevens

Kalamazoo River Sturgeon for Tomorrow, New Richmond Chapter

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I am involved with the recently formed Kalamazoo River Sturgeon for Tomorrow organization. We did egg sampling activities in the Spring. We have recently supported the efforts of the Gun Lake Tribe in a grant proposal hoping to partner in further research. We hope to do river restoration projects to improve habitat.

Mike Thomas

Michigan Dept. of Natural Resources, Lake St. Clair Fisheries Station

33135 S. River Rd., Mt. Clemens, MI 48045

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I have been involved in lake sturgeon assessment and research with the Michigan DNR since 1996. Our work on the St. Clair River sturgeon population has included marking studies (PIT tags, monel dorsal tags, and internal sonic tags) to better understand sturgeon movements, spawning behaviour, and population abundance. I've also been involved in evaluating the management of the Michigan sport fishery for lake sturgeon in the St. Clair system. Since the Michigan statewide sturgeon regulations were implemented in 1999, the sturgeon fishery in the St. Clair River has evolved. Michigan regulations may need to evolve to better manage this fishery.

Gary Towns

Michigan Dept. of Natural Resources

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I am responsible for all administrative management and supervision of facilities, personnel and budgets while managing lake and stream fisheries and related aquatic resources within a ten county area in the southeast part of Michigan's Lower Peninsula. I organize and manage budgets, reports, personnel and work projects. I supervise the planning and implementation of management strategies for fisheries based on field reviews, reports and coordinated

interagency information. This position also involves distribution of information about fish surveys, general statewide fishery information and proposed local and statewide fish and wildlife programs to the public through oral and written communications, including public speaking engagements.

My lake sturgeon work has been limited to fishing regulation changes, the census of lake sturgeon anglers and occasionally assisting with the capture and data collection of the sturgeon in Lake St. Clair and the St. Clair River by the MDNR, Mt. Clemens Fisheries Research Station. I have also acted as a MDNR, Fisheries advisor during the design of the Belle Isle Sturgeon Reef and the Fighting Island Sturgeon Reef.

Kimberley Tremblay
Anishinabek/Ontario Fisheries Resource Centre
755 Wallace Road, Unit #5, North Bay, ON P1B 8G4
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- Worked 3 years with lake sturgeon on Smoothrock Lake in Wabakimi Provincial Park (North of Nipigon)
- Worked with lake sturgeon spawning surveys on Lake Nipissing (North Bay ON), Spanish River (Espanola ON).
- Recently was apart of a lake sturgeon fall survey on Lake Nipigon in regards to traditionally fished waters.

Betsey Trometer
US Fish and Wildlife Service, Lower GL Fishery Resources Office
405 N. French Rd., Suite 120A, Amherst, NY 14228
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Betsy is a fishery biologist with the Lower Great Lakes Fishery Resources Office in Amherst, NY. Over the years she has assisted with lake sturgeon projects on the Niagara River and the Genesee River. In 2006 -2007 she conducted a survey for sturgeon eggs and larvae in the lower Niagara River and assisted with a habitat use and movement study of stocked lake sturgeon in the Genesee River.

Nick Utrup
US Fish and Wildlife Service, Green Bay ESFO
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I am currently the FERC (Federal Energy Regulatory Commission) biologist for the USFWS in Wisconsin. I make recommendations to FERC relative to hydropower projects and their impact on Wisconsin's fish and wildlife resources. I am currently working with hydropower companies and other stakeholders to develop and install fish passage for lake sturgeon at several projects throughout the state.

Tonia Van Kempen
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Luis Antonio Velez-Espino
Fisheries and Oceans Canada
867 Lakeshore Rd., Burlington, ON L7R 4A6
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I have been conducting quantitative analyses of lake sturgeon populations in support of a recovery potential assessment. I have used a modeling approach based on life history data to provide recommendations about allowable harm, recovery efforts, timeframes for recovery, recovery targets, and habitat requirements.

Radley Watkins
Northern Environmental Technologies
330 South 4th Avenue, Park Falls, WI 54552
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Radley Watkins is the Lakes Team Leader for Northern Environmental Technologies. Northern Environmental has been working with the Little River Band of the Ottawa Indians (LRBOI) to help them design and build sturgeon streamside rearing trailers in order to imprint genetically unique larval fish to the Manistee River. Northern Environmental has also completed a sturgeon spawning habitat assessment for portions of the Manistee River for the LRBOI.

Gary Whelan
Michigan Dept. of Natural Resources, Fisheries Division
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I have worked for the Michigan Department of Natural resources for over twenty years and previously worked 4.5 years for Michigan State University as a stream fisheries research biologist. I am currently the Fish Production Manager for the Department's Fisheries Division, manage the Tribal Coordination Unit for the Fisheries Division, and am chair of the Division's Lake Sturgeon Committee. I am currently overseeing our committee's revision of the MI DNR Lake Sturgeon Strategy. In addition, I am the co-chair of the National Fish Habitat Initiative Science and Data Committee, chair of the Great Lakes Fishery Commission – Great Lakes Fish Health Committee, and president of the American Fisheries Society History Section.

Timothy Wilson
Michigan Technological University
P.O. Box 250, Baraga, MI 49908
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Graduate Student at Michigan Technological University. I have spent the past two years conducting research on lake sturgeon and assisting with the daily operation of a streamside rearing facility. My research focuses on the minimum dissolved oxygen requirements of developing lake sturgeon embryos and developing an accurate and efficient way of ageing young-of-year lake sturgeon. The lake sturgeon streamside rearing facility I assisted with is located in Ontonagon, Michigan and produces fish for the ongoing re-establishment effort in the Ontonagon River.

Martha Wolgamood
Michigan Dept. of Natural Resources, Wolf Lake State Fish Hatchery
34270 C.R. 652, Mattawan, MI 49071
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Hatchery manager at Wolf Lake State Fish Hatchery where sturgeon were traditionally reared and stocked as part of sturgeon rehabilitation for the State of Michigan.

Charles Wooley
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Deputy Regional Director for the US Fish and Wildlife Service, Region 3
Board member of the Great Lakes Fishery Trust