

Mainstream

Volume 26, Issue 2

October 2009

President's Message by Mark Porath

"Beyond our own backdoor"

Fall is a busy time of the year for fisheries professionals. Whether you are in the field, in the classroom, attending a meeting or behind your desk pounding on a keyboard, autumn marks the change in seasons and spurs a sense of urgency to wrap up another year. It's late September here in Nebraska and we are just getting our fall sampling season underway after a mild summer. Setting nets at a local reservoir I noted the water temperature was 70 F, probably 5-8 degrees cooler than normal and the lowest reading I've seen in 15 years at the beginning of the fall season. I mentioned this to a colleague on the phone, who acknowledged that he had also noticed cooler than normal water temperatures this year. But then he also informed me that since he was located much farther north, rarely did

their water temperatures ever exceed the 70 F mark, and that they had already completed their surveys for the year and were preparing for winter!

This made me realize just how easy it is to slip into a "local" point of view, especially when it comes to the resources with which we are entrusted. Often times it can take a concerted effort to step back and look beyond our backdoor, and see how our efforts contribute to the "big" picture. In many ways, that is the role of the North Central Division. It serves as the connection between the stream in our own backyard, and the continental or global fishery resources and aquatic ecosystems that we as the membership of the parent society are dedicated to improving, preserving and protecting. Divisions are designed to be the nexus between the chapters and AFS. And as such, the NCD has a responsi-

bility to ensure that a consistent flow of information and services is maintained in both directions to coalesce the viewpoints of the local chapters with the parent society's mission.

This will be our focus in the upcoming year, to lay the groundwork for maintaining this critical flow of information and services. Regardless of what is beyond your backdoor, there is no lack of important issues facing us in the fisheries arena. Keeping current on the latest science relevant to your issue and drawing on the expertise and experience of the other fisheries professionals around us is a vital benefit of membership in AFS. Participation better prepares us to meet these and the challenges that lie ahead. Facilitating these benefits is our goal and responsibility, and we look forward to the opportunity.

Sincerely,
Mark Porath, NCD
President

This newsletter is published twice a year. Deadlines for submission are April and September 1st. The views and opinions expressed herein are not necessarily those of the NCD.

Editors: Tom Slawski
Sara Teske

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COMMITTEE REPORTS

Walleye Technical Committee by John Kubisiak

State and Provincial Reports:

Missouri: A. J. Pratt reported that their statewide walleye plan is nearly complete. Two lakes, Stockton and Smithville, have been designated top priority for walleye stocking. This information has been loaded onto their website. They have had a good year, with an increased electrofishing CPUE over prior years. Hatchery production has been good and all stocking requests were met including some surplus. They have determined that walleye in the Black River system are genetically different from populations in the rest of the state. As a result, they plan to stock only this strain into this river system, but they have had difficulty with production after pond culture. Problems include poor condition and low survival. A research plan is being devised to understand why this occurs. Speculation is that perhaps there is an unusual food source requirement for this strain, as fish from other areas seem to adapt well to culture conditions. As a consequence of limited or no stocking, the CPUE in this system has fallen dramatically and significant fish movement out of the system is suspected.

Texas: Charlie Munger stated that for the ninth consecutive year, Texas is dealing with drought-related issues. Only one-third of the normal pool of water remains in Meredith Reservoir, which is their primary walleye fishery. Supplemental stockings of walleye have been down due to difficulties obtaining them from Colorado,

which cannot meet their own stocking requests. Their standard trade is walleye fry in exchange for palmetto bass provided by Texas, but they only received 900,000 of the 4 million they requested. There are two lakes that receive saugeye, which have also been difficult to obtain from Kansas.

Kansas: Andy Jansen reports that there are a couple of publications by Mike Quist in the works that may be of interest to the committee. These include the modeling of harvest regulations for Glen Elder Reservoir, which had 65% walleye exploitation with 85% of harvest occurring during April through June. They are considering imposing a 21-inch length limit during the months of April through June with the regulation being the same as other local lakes (either 15 or 18 inches) during the remainder of the year. The second publication found similar harvest rates between walleye and saugeye, in contrary to a common angler perception that saugeye are easier to catch. Otherwise, they had a good egg take and are having a good production year.

Minnesota: Tom Heinrich spoke about a research project that began this year examining unintended consequences of size restrictions in Minnesota lakes. Case in point is the spring fishery of Rainy River, which has shown a severe reduction in the proportion of male fish when sampled. With a minimum length of 19.5 inches, 90% of the harvest is male fish and females are maturing at a larger size. Similar issues have arisen in other parts

of the state. The cormorant population seems to be down on Lake of the Woods because of an outbreak of Newcastle Disease virus beginning in 2007 and peaking last year. In 2008, nesting was down 40% from 2006, and 2009 saw a further reduction of 85% below 2008. In contrast, lethal control of adults at Leech Lake has not shown any obvious impact to that population.

Wisconsin: John Kubisiak reports that the DNR Spooner hatchery had to hold fish longer than planned while waiting for VHS test results, and had poor recovery of small fingerling walleye due to predation and cannibalism. The other hatcheries made up most of the difference and most quotas were filled. Jeff Kampa and Gene Hatzenbeler recently published a comparison of size at stocking and cost-effectiveness (NAJFM 29:996-1000). They found that large fingerling walleyes (7-8" fish stocked in September) resulted in higher densities and more consistent year-classes the spring after stocking compared to small fingerlings (1-2", stocked at 5 times the density in June). One change in hatchery practices in the last decade is that small fingerlings are now produced in lined ponds where they were previously produced in unlined ponds, and are usually less than 1.5 inches in length when they must be harvested. Managers are finding that these very small fingerlings, or "frylings", do not survive well in Centrarchid-dominated systems where stocking has historically worked. The hatchery system contends that there is not sufficient

Walleye Technical Committee Report *(continued)*

evidence that large fingerlings are more cost-effective, so large fingerlings are not highly available. Sue Beyler found that small fingerlings survived better when stocked by boat into the deeper portions of the lake rather than stocked from the shoreline. Ben Heussner talked about a proposal to raise the minimum length limit from 15 to 18 inches for southern Wisconsin waters. Many of these waters have poor recruitment but excellent growth rates. Adult abundance was three-to-five times higher on lakes with minimum length limits of 18 (2 lakes) or 20 inches (1 lake) compared to the standard 15-inch lakes. This is attributed to the fact that at 15 inches, most females are subject to harvest before they mature at around age 4. The goal is to get away from supplemental stocking and rely more on natural reproduction. Some modeling likely needs to be done before this could be implemented, and it would not apply to northern Wisconsin waters where growth rates are slower and recruitment is generally much better.

Iowa: Donna Muhm reported that Iowa is also looking at size, survival, and cost-effectiveness of stocking walleye across the state. Since most Iowa lakes are managed for multiple predator species and are not designated as “walleye” lakes, varying stocking strategies have variable success depending upon lake and river characteristics. Some lakes have great success with fry stockings. River systems generally have good luck with two-inch stockings. Logic would dictate that larger or “advanced” fingerlings would demonstrate greater survival, but these fish are costly to produce and

costly to distribute around the state. Also, there is only one hatchery currently capable of producing these fingerlings in numbers approximating those requested, and since it is near the southern border of the state fish must be transported considerable distances to the northern lakes which receive them. To date, there has been little evidence gathered which indicates that these fish are indeed demonstrating higher survival and that their cost is justified. Studies are being initiated to answer these questions. Iowa has not found any instances of VHS in any of its waters, but hatcheries are often required to provide testing to those states receiving fish from Iowa hatcheries just as a precaution.

South Dakota: Justin VanDeHey stated that the toolbox is completed and being implemented. Water is finally back in the Oahe reservoir, which had been down 35 feet at its lowest point. Indications are that reproduction was good this year but the walleye egg take was down considerably, possibly due to a strange weather cycle. They noted a low number of larval gizzard shad this year, which may be a forage issue. John Kubisiak asked about perch spawning on artificial weeds – he has been contacted by Lake Associations interested in habitat enhancement using plastic plants and citing their use in South Dakota (Reelweeds is one brand). South Dakota State University researchers have found that yellow perch will readily spawn on artificial plants, and Brian Blackwell uses them as an easy way to collect perch eggs for the laboratory. This has not been used to enhance perch recruitment and Justin suggested

that old Christmas trees would be a better choice if suitable spawning habitat is lacking.

Indiana: Advanced walleye fingerlings continue to be stocked into Crooked, Steuben Co Winona, Kosciusko Co and Sylvan, Noble Co, lakes. So far, all three fisheries are performing well and angler’s response has been positive.

The Brookville Reservoir walleye fishery, the source for Indiana walleye broodstock, is being evaluated. Scales, spines, and otoliths were collected from walleye during broodstock collection at the beginning of April. During eight nights of netting 1,516 walleye were collected with aging structures being collected from 117 males and 135 females. A creel survey is also being conducted April through October get estimates of harvest. FAST will be used to model walleye growth and assess the current bag limit of 5 walleye and the 14 inch minimum size length.

The walleye telemetry project on Monroe Reservoir will be winding up this fall. Preliminary results indicate site fidelity in spawning sites and summer locations. Walleye movements decrease during lake stratification and are greatest during spawning periods. Most locations have been consistent with angler fishing reports but several walleye have moved into areas that have not been considered desirable to walleye previously. Public participation has been great and articles about the project have been published in Indiana Game and Fish and Walleye Insider magazines. The 2008 interim report is available on the project webpage.

Walleye Technical Committee Report *(continued)*

<http://www.in.gov/dnr/fishwild/3280.htm>

The Indiana Chapter of AFS voted to donate \$500 to the Walleye Technical Committee in support of the Walleye Synopsis

Nebraska: Daryl Bauer submitted the following report:

At Elwood Reservoir we have an 18-24-inch protected slot limit; our 15-inch statewide minimum also applies so that means anglers can keep walleyes between 15 and 18 inches and they could keep one fish larger than 24 inches at Elwood (statewide daily bag limit is 4 walleye/sauger/saugeye in combination). We implemented that regulation at Elwood to improve the quality of the walleye fishery there (i.e. produce more big fish). This year we implemented a 20-28-inch protected slot at Sherman Reservoir solely for the protection of brood fish (Sherman has been one of our best reservoirs for collecting walleye eggs for hatchery production). Again anglers can harvest 15 to 20 inch walleyes at Sherman, but they can only harvest two of those fish at Sherman and then 1 over 28 inches can be harvested if they catch a big fish.

Michigan: Patrick Hanchin submitted the following report:

VHS and walleye rearing - Surveillance for VHSv continued in Michigan in 2009, although at a lower level because of budget constraints. We again tested walleye broodstock sources from the Muskegon River, the Tittabawassee River, and Little Bay de Noc. Walleye production expanded slightly in 2009 by making use of

both Muskegon River and Little Bay de Noc broodstocks. Because of differences in the timing of walleye spawning runs in the Muskegon River and Little Bay de Noc, using both brood sources allowed crews to run egg-take operations over a longer period and improve other program efficiencies to provide an expanded program in 2009. Because VHSv was found in southern Green Bay and southwest Lake Michigan, we believed the addition of the Little Bay de Noc strain presented no more risk of transferring VHSv into our hatcheries than the Muskegon River strain did. Our decision was also made in light of the fact that the Chippewa Ottawa Resource Authority (CORA) had used this same broodstock source in 2008 and extensive testing of those fish at the time also came back negative for VHSv. Despite no detections of VHSv in Tittabawassee River walleye, it was our opinion that close proximity of this broodstock source to places where the virus caused large fish kills made this location a higher risk than the other two for having diseased fish. CORA conducted an egg take on the St. Marys River, primarily for stocking back into that system. The State's incubation of walleye eggs was again limited to a single hatchery (Thompson), which limits production to 6 million fry. CORA incubated their eggs at the Nunn's Creek Hatchery. Testing for VHSv began with pre-spawn testing of adult walleye in the Muskegon River and Little Bay de Noc. No fish tested positive for VHSv, but if they had, eggs would only have been taken during the spawning runs for experimentation with egg disinfection protocols (not for production). The second round of testing included sacrific-

ing all adult walleyes used for the egg takes in the Muskegon River and Little Bay de Noc so that kidney, spleen, ovarian fluid, and milt samples could be collected (no positive detections). Fillets from all walleye sacrificed for testing were again donated to local food banks. The third round of testing evaluated walleye fry. Since the results of these tests are not available prior to transferring fry to rearing ponds, this evaluation really only would have provided us with an early warning of the existence of the virus and the ability to track the transmission of the virus. Although we did not detect VHSv, any positive detection of VHSv from fish being reared in a pond would have lead to all fish from that rearing pond being destroyed. The fourth round of testing targeted spring fingerlings from rearing ponds to ensure VHSv was not transmitted via water in the ponds. No fingerlings tested positive for VHSv. Because of this extensive testing regime at each life stage in our rearing process we believed the possibility of transferring VHSv through our activities was extremely low. We only use rearing ponds that were non-drainable and without connections to other surface waters. Additionally, walleye fingerlings were only stocked into waterbodies isolated from other inland waters, or those with an open connection to the Great Lakes. Walleye were not reared or stocked in the Lake Superior drainage in 2009 because the basin remains a VHSv Free Management Area.

Centrarchid Technical Committee by Mark A. Kaemingk

July 30, 2009
La Crosse, WI

A brief meeting of the NCD Centrarchid Technical Committee was held on the morning of July 30th as part of a joint meeting with the Walleye and Esocid Technical Committees. Those attending included Mark Kaemingk from South Dakota State University, Mike Knapp from Minnesota DNR and

John Nelson from Wisconsin DNR.

The first order of business was to elect Mark Kaemingk as Chairman of the CTC. Mark took possession of the files from the Committee.

Reports were read or presented from several states that had submitted reports regarding CTC related activities and research.

We are planning a CTC meeting on Sunday, December 6th (time and place TBD at a later date) at the upcoming Midwest Fish and Wildlife meeting in Springfield, IL. All interested parties are welcome. No symposium pertaining to Centrarchids was planned for the upcoming Midwest meeting.

Continuing Education Committee by Angie Grier

Have you ever wanted to know more about FAST and how to use it other than just running the basic growth, mortality, and recruitment models? If so, here is your chance to learn more! This year at the Midwest Fish and Wildlife Conference on December 6th in Springfield, Illinois, the Fisheries Information Technology Section and the NCD AFS is sponsoring the first Advanced FAST workshop devel-

oped by Drs. Mike Maceina and Steve Sammons from Auburn University. The purpose of this short course, taught by Dr. Sammons, is to provide participants with advanced training in the use of the FAST software. Registrants should have a basic working knowledge of FAST and be familiar with computations to estimate growth, mortality, and recruitment. During the eight-hour short course, simulation

modeling of specific fisheries will be conducted and discussed. The cost of this workshop is \$100 per person, and class size is limited to 30, so register early. Please visit the Midwest Fish and Wildlife website <http://dnr.state.il.us/midwest/> to register. For more specific information about the course, contact Angie Grier agrier@dnr.IN.gov.

UPCOMING EVENTS

Statistics Refresher for Fisheries Professionals Continuing Education Committee Workshop December 2-3, 2009 Duluth, Minnesota

Hampton Inn
310 Canal Park
Duluth, MN 55802

A refresher course for fisheries professionals that use statistical information yet would like a better understanding of basic theory and application of statistics in management and research.

The first day will be an overview of statistical theory and the design of research studies. The second day will be a more detailed examination of the application of standard linear models such as multivariate regression and ANOVA for data analysis. There will also be an overview of common extensions and alternatives to linear models

like random effects models or multivariate methods.

The class will use the free statistics program R for examples, and having a laptop with a working installation of R for the class will enhance the experience, but is not necessary. Introductory information will be available for those who would like to install R on their own computer prior to the class.

Instructor: David F. Staples, Ph.D
Fisheries Research Group Biometrician
Minnesota Department of Natural Resources

Class hours:
10:00am – 4:30 pm on Wed. Dec 2

8:00am – 2:00 pm on Thurs. Dec 3

Course cost (includes lunch on both days): \$125 for Non MN DNR participants

Reduced rate for MN DNR participants

Class size is limited. Enrollment deadline is Nov 6th.

For more information or to enroll, contact Edie Evarts:
eevarts.mnafs@yahoo.com

Lodging available at Hampton Inn 218.720.3000
(For group rate of \$79/room, mention MN Chapter AFS, reserve by Nov 2nd.)

70th Midwest Fish and Wildlife Conference Limited Resources: Unlimited Potential December 6-9, 2009 Springfield, Illinois



Beginning Your Professional Journey Workshop at the Midwest Fish and Wildlife Conference

A full-day workshop for undergraduate students.

Are you trying to figure out the requirements and best way to apply to graduate school, or what types of positions employers have for new graduates and what they're looking for in future employees?

Eager to prepare for those inevitable interview questions such as "Why should we hire you for this position?"

If so, 'Beginning your Professional Journey' is the workshop for you!

Four sessions will include Resumes and Professional Correspondence, Academic and Employer Panels, Networking, and Interview Skills.

Participants will receive binders full of resource materials for future use. And for those who register for the Midwest Fish and Wildlife Conference, there will be ample opportunity to: (1) learn about on-going research in fisheries and wildlife as you listen to talks given by professionals and students, and, (2) practice your newly acquired skills during Sunday evening's reception and several other Conference events. Previous participants gave the workshop a "thumbs up!"

From a student participant, "*It was the most informative workshop I have attended. It is nice to not have anything else to worry about. The 1 hr, 30 minute workshops you get at school just don't cut it!*"

The workshop will be held on Sunday, December 6 from 8:30a.m. –

5:00 p.m., and is limited to the first 50 pre-paid registrants.

Workshop cost (including breaks, lunch and a binder stuffed with relevant resources) is only \$20!

****NOTE:** Registration for the conference is NOT included in this fee. To register for the workshop and/or Conference, please do so via the Conference Web site (<http://dnr.state.il.us/MIDWEST/>).

Questions?

Contact co-organizers: Rebecca Christoffel (christof@iastate.edu) and Jim Schneider (schne181@msu.edu). We look forward to seeing you in Springfield!

Advanced FAST Workshop at the Midwest Fish and Wildlife Conference

Have you ever wanted to know more about FAST and how to use it other than just running the basic growth, mortality, and recruitment models?

If so, here is your chance to learn more! This year at the Midwest Fish and Wildlife Conference on December 6th in Springfield, Illinois, the AFS Fisheries Information Technology Section and the NCD AFS are sponsoring the first Advanced FAST workshop devel-

oped by Drs. Mike Maceina and Steve Sammons from Auburn University.

The purpose of this short course, taught by Dr. Sammons, is to provide participants with advanced training in the use of the FAST software. Registrants should have a basic working knowledge of FAST and be familiar with computations to estimate growth, mortality, and recruitment. During the eight-hour short course, simulation modeling

of specific fisheries will be conducted and discussed. The cost of this workshop is \$100 per person, and class size is limited to 30, so register early. Registration ends on November 6th. Please visit the Midwest Fish and Wildlife website <http://dnr.state.il.us/midwest/> to register.

For more specific information about the course, contact Angie Grier agrier@dnr.IN.gov.

Evaluation of Biotic Response to Instream Restoration Practices Joint Workshop and Symposium at the Midwest Fish and Wildlife Conference

DESCRIPTION: Stream restoration has become a very prominent activity in recent years, not only through agency driven efforts, but also by private entities as part of commercial development for mitigation and to promote conservation design approaches. While many different techniques for instream restoration have emerged, critical evaluation of these practices is often lacking or inadequate. Determining the biotic response to these instream modifications is necessary in order to identify the most effective approaches and to provide opportunity for improvements, especially in terms cost-benefit analyses. Many funding agencies recognize this problem and are including monitoring studies as part of restoration grants. It is important, therefore, that biologists and managers have proper training in evaluating biotic responses to instream restoration practices and be up to date on current work in this area.

The Workshop (Sunday 1-5, see below) will focus on training including one session covering basic evaluation study design principles, importance of pre-data and controls (review of BACI), selection of sampling site locations, considerations for target organisms and appropriate collection techniques, and determining seasonal and annual sampling schedule and frequency. We will also provide basic training on statistical analysis including aggregate- and community-based methods, and selection of proper testing techniques, including con-

siderations for study design. There will also be a session covering expected biological responses to restoration projects framed in the broader context of important interactive components of hydrology, fluvial geomorphology, water quality, biology, and connectivity. Case examples that illustrate these assessment challenges in river restoration will be presented and discussed.

The symposium to be held during the conference will provide an opportunity to present new work related to the evaluation of biotic response to instream restoration and will re-enforce the training material through presentation of case studies related to evaluation of biotic response. The workshop/symposium approach will advance the area of study while providing needed professional training.

WORKSHOP: Sunday December 5, 1 – 5 PM

Attendance Fee: \$75

1:00 – 2:30 Dr. Robert U. Fischer, University of Alabama, Birmingham:
Design, implementation, and analysis of studies to evaluate instream restoration practices

2:30 – 5:00 Dr. Luther Aadland, Minnesota Department of Natural Resources:
"If we build it, will they come?" Messy complications of assessing biological responses to river restoration.

SYMPOSIUM: Time to be announced, held during regular sessions of the Midwest Fish and Wildlife Meeting Dec 7-9

For information or to Register for the Sunday workshop contact:

Leslie E. Dorworth
Illinois-Indiana Sea Grant College Program
Dept. of Biological Sciences
Purdue University Calumet
2200 169th Street
Hammond, IN 46323-2094
(219) 989-2726
fax (219) 989-2130
dorworth@calumet.purdue.edu

For more information or to submit papers for the Symposium contact:

Stephen M. Pescitelli
Region II Streams Specialist
Illinois Department of Natural Resources
Division of Fisheries
5931 Fox River Drive
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630-553-0164
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Sponsors: NCD Rivers and Stream Technical Committee and Indiana/Illinois Sea Grant

Conservation, Ecology, and Management of Catfishes

Second International Symposium

St. Louis, Missouri

June 19-22, 2010

First Call for Papers and Posters for Catfish 2010 Symposium

You are invited to attend and participate in the 2nd International Catfish Symposium to be held June 20-22, 2010 in St. Louis, Missouri, along the banks of the mighty Mississippi. This is our first call for oral platform and poster presentations at the symposium, including those to be considered for publication within the resulting peer-reviewed proceedings. This meeting will provide a forum for the exchange of information about the biology, ecology, management and conservation of worldwide populations of both game and nongame catfish species. The publication from the First International Catfish Symposium, "Catfish 2000," continues to sell and has been a solid reference source for managers and researchers alike.

The theme for the 2nd Interna-



tional Symposium is the conservation, ecology and management of worldwide catfish populations and their habitats. Presentations on all aspects of catfish biology and ecology are welcome, and those focusing on conservation and management challenges are actively being sought. We encourage you to submit your research on the following topics: Evaluating sampling methods and their effectiveness; Population dynamics and community interactions; Life history investigations providing information on predation, competition, prey utilization, age and growth; Conservation efforts

including species status and restoration efforts; Management strategies to enhance recreational fisheries including regulations, human dimensions and production. Individuals interested in developing topical review papers are encouraged to contact the Program Committee Co-Chairs to assist with topic coordination.

To submit a presentation and for the most up to date information on the symposium, visit the web site at www.catfish2010.org. Bookmark it now and return often for updates! Presentation abstracts and manuscript submission deadline is January 29, 2010. Don't miss being a part of this important gathering of scientists, educators, administrators, and the public interested in what the next decade will bring for catfish science.

Crayfish Meeting International Association of Astacology Columbia, Missouri July 18-23, 2010



On behalf of the [International Association of Astacology \(IAA\)](http://www.iaa18.org), the local organizing and advisory committee invite you with great pleasure to participate in the IAA18 Symposium. Researchers at all levels - scientists, representatives from industry and government, educators, post-docs, and students who are seeking publishing opportunities for their research are en-

couraged to present a poster or oral paper at the 18th IAA Symposia.

The conference will consist of a five-day scientific program, to be held on the campus of the University of Missouri [University of Missouri](http://www.missouri.edu), with presenters welcome to submit papers on all aspects of freshwater crayfish. We encourage delegates to consider presenting papers on all relevant crayfish topics including physiology, behavior, ecology, conservation, toxicology, diseases, aquaculture, and genetics, as well as other important topics relevant to crayfish including education and legislative issues.

We can guarantee the delegates a warm climate, plenty of nuisance insects, lively social events, and an expansion of your mental, physical, and spiritual being. IAA symposiums are all about renewing old friendships, befriending new colleagues, and mentoring young scientists. We look forward to seeing y'all in 2010.

Go to meeting website for details:

<http://muconf.missouri.edu/IAA18/Index.html>

International Congress on the Biology of Fish Barcelona, Spain July 5-10, 2010

Love em or hate em like em or not the burbot is on a role. After two successful symposia one in Baltimore in 1998, and a second in Anchorage in 2005 and two Burbot Proceedings a third burbot

symposium is in progress. The Third International Burbot Symposium is scheduled for Barcelona, Spain in July of 2010. Although in Europe, North American scientists are encouraged to participate. This

symposium will be in coordination with the International Congress on the Biology of Fish meeting. For those who are interested write me at the above address, E-mail me at vaughn.paragamian@idfg.idaho.gov

International Congress on the Biology of Fish Madison, Wisconsin, July 15-20, 2012 Monona Terrace Convention Center

CHAPTER REPORTS

Michigan by Troy Zom

Plans are underway for the Chapter's annual meeting scheduled for February 24-25, 2010. A continuing education workshop to be held in conjunction with the meeting. Details on the annual meeting will be forthcoming later this fall.

Mark Tonello (231-775-9727 ext 6071; tonellom@michigan.gov), president-elect for the Michigan Chapter AFS, is serving as chair of the Program committee and local arrangements for the upcoming meeting.

On September 22-23, the Chapter sponsored a workshop entitled "GIS for Fisheries" which was held at the University of Michigan and taught by Christine Joseph. Objectives of the workshop included increasing familiarity with spatial data on fisheries and habitat, increasing familiarity with the Great Lakes GIS project, and gaining proficiency in using GIS software. Check the Michigan Chapter's website or contact Mark Tonello for more information on the workshop.

Michigan AFS Water Quality Committee chair Doug Bradley was recently elected to president-elect of the parent AFS Water Quality Section, and Dr. Howard Tanner was recently inducted into



the AFS Hall of Excellence. Congratulations Doug and Dr. Tanner!!

Applications are being accepted for the Chapter's Midwest Fish and Wildlife Conference Student Travel Grant. The application deadline is September 30, 2009. Contact Ralph W. Tingley III (tingleyr@msu.edu) and check out the Chapter's website for more information.

A video history and photo gallery for the Michigan Chapter was recently developed for the Chapter by Becky Papke (Thanks Becky!), and can be viewed on the Chapter's website. Check it out.

To learn more about the Chapter's activities, please visit our website at:

<http://www.fisheries.org/units/miafs/index.html>

Dakota Chapter by Mark Barnes

Retiree Social

The Dakota Chapter invites any and all Chapter retirees to a social in their honor. This event will be held in conjunction with the annual Chapter meeting at a location to be determined in Spearfish on Tues-

day, February 23. The Chapter will also be recognizing Dennis Unkenholz for his induction into the National Fisheries Management Hall of Excellence during this evening event.

Get the word out to all of our retir-

ees - free food and beverages and a chance to share their wisdom with the rookies!

For more information contact Larry Kallemeyn, 605-559-0158, JoandLarry87@hotmail.com.

Dakota Chapter by Mark Barnes (continued)

New Fisheries Solutions for a New Decade

2010 Dakota Chapter Meeting

The 2010 Chapter meeting will be February 22-24 at the charming convention center in scenic Spearfish, South Dakota.

The meeting format is changing a little from past years, so please make your motel reservations accordingly. Here's a very condensed schedule:

Monday, February 22
- continuing education
- **welcoming social**

Tuesday, February 23
- papers and business meeting
- **special "retiree" social**

Wednesday, Feb. 24
- more presentations- **awards banquet**

(and for you SD guys, the SDGFP

winter fisheries meeting will be Thursday, February 25 at the same venue, so plan on staying another night at the hotel).

Special Sessions for the 2010 Dakota Chapter Meeting

In line with the meeting theme of **New Fisheries Solutions for a New Decade**, we are working on four sessions for the 2010 annual meeting. To become part of the "in" group (or groups in this case) and get your presentation in the mix, give a holler to the folks listed. **Presentations (presenters) from outside ND and SD are greatly desired and will be warmly received!**

I. Trout Gone Wild - Changing Management Paradigms

Jerry Wilhite
jerry.wilhite@state.sd.us
Greg Simpson
greg.simpson@state.sd.us

ture techniques, changes in the traditional interplay between fisheries managers and culturists are also occurring. Managers, who may also be part-time culturists during field spawning operations, are becoming increasingly aware of the effects hatchery rearing can have on post-stocking survival, necessitating new collaborations and enhanced relationships. Culture changes also involve fisheries administrators, given the relatively large financial commitment to culture operations, the need to maximize efficiencies, guide research, and ultimately meet agency goals regarding angler satisfaction or

II. Hatchery Innovations: A Culture Change

Will Sayler
will.sayler@state.sd.us
Brian Fletcher
brian.fletcher@state.sd.us

III. Changing Percid Management to Meet Changing Angler Expectations

Dave Lucchesi
dave.lucchesi@state.sd.us
Jeff Hendrickson
jhendric@state.nd.us
Gene Galinat
gene.galinat@state.sd.us
Justin VanDeHey
Justin.VanDeHey@sdstate.edu

IV. Changes with Nongame, Threatened, and Endangered Fish

Dane Shuman
Dane_Shuman@fws.gov
Jason Kral jason.kral@state.sd.us

species recovery.

The goal of this session is to highlight new fish culture techniques and technologies, and encourage interaction between hatchery staffs, fisheries managers, and administrators to change the culture of conservation and recreational fisheries management. To submit an abstract or for more information contact:

Will Sayler, 605-394-2397,
will.sayler@state.sd.us or
Brian Fletcher, 605-394-2397,
brian.fletcher@state.sd.us

Hatchery Innovations: A Culture Change

A Special Session for The 2010 Dakota Chapter Meeting

Fish culture techniques and technologies continue to change at a dramatic pace in conjunction with rapid growth of commercial aquaculture. Conservation hatcheries are challenged to incorporate these changes, which may or may not be beneficial to fish destined to be released into the wild. Novel diseases, invasive species, and the culture of new aquatic organisms create further needs for innovation. In addition to the changes in cul-

NEWS AND ANNOUNCEMENTS

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Minnesota Department of Natural Resources Fisheries Management Section Chief Ron Payer Retires by Brad Parsons

"Minnesota Department of Natural Resources Fisheries Management Section Chief Ron Payer has announced his retirement at the end of October. Ron has headed up the Fisheries [Management] Section/Division for 11 years.

Under his leadership, Minnesota's fisheries programs have become models for other states. He has been unwavering in his support for professional and science-based

fisheries programs, oversaw development of innovative programs such as Fishing in the Neighborhood and MinnAqua programs, effectively dealt with such controversies as treaty management on Red and Mille Lacs lakes, and developed innovative approaches to more fully involve anglers in fisheries management discussions such as the annual Fishing Roundtable event and, more recently, fisheries

advisory committees and workshops.

Ron's dedication to the work of the DNR and to professional fisheries management, his integrity, his willingness to take on issues and deal directly with controversies, and his vision and leadership have set a high standard for state fisheries programs here in Minnesota and across the country."



2009 Midwest Fish and Wildlife Conference Janice Lee Fenske Memorial Award for Outstanding Students

**Monday, December 7, 7:30-8:30
a.m.
Springfield, Illinois**

**Sponsored by:
North Central Division, Illinois
Chapter, and Michigan Chapter
of the American Fisheries Society**

**North Central Section, Illinois
Chapter, and Michigan Chapter
of
The Wildlife Society**

**Midwest Fish and Wildlife Con-
ference Steering Committee**

We are pleased to accept applications from students for the ***Janice Lee Fenske Memorial Award***. Up to 25 outstanding students majoring in fisheries or wildlife management will be selected, formally recognized for their achievements, and invited to attend an exclusive breakfast held during the Midwest Fish and Wildlife Conference in honor of the late Jan Fenske. The breakfast will provide a unique

opportunity for students to meet and closely network with many fish and wildlife leaders from around the region.

Undergraduate and graduate students who plan to attend the Conference are encouraged to apply. Student finalists will be selected based on academic ability and scholarly achievements. Two of the student finalists, one majoring in fisheries management and one majoring in wildlife management, will be presented with a Fenske Memorial Award that includes a scholarship of \$500. The two winners of the Fenske Memorial Award will be selected based on the characteristics that made Jan a remarkable fisheries biologist, including enthusiasm to protect fisheries and wildlife resources through management activities, selflessness and motivation to teach others, interest in professional involvement, and integrity, positive attitude, and compassion. For more information, please visit

http://www.fisheries.org/units/miafs/jfenske_award.html.

To apply, please submit a resume including your GPA, two letters of recommendation from academic advisors or professionals in fisheries or wildlife management, and a cover letter including future career goals and reasons for attending the Midwest Fish and Wildlife Conference to:

Jessica Mistak, Fenske Award
Committee Chair
mistakj@michigan.gov

Deadline for submission is October 30, 2009. E-mail submissions are preferred. Please have the recommendation letters e-mailed directly from the academic advisor or resource professional.

Student applicants selected as finalists will be notified by November 20, 2009.

NCD Annual Award Nomination Request

North Central Division Awards

The North Central Division of the American Fisheries Society is soliciting nominees for four awards given annually: Most Active Large Chapter; Most Active Small Chapter; Most Active Student Subunit; and Best Communications, awards. Submissions for the Meritorious Service, and Fisheries Excellence awards are also considered each year. Each award is fully described below.

Most Active Chapter Awards

Two awards will be given to the North Central Division Chapters that have carried out the most active programs of enhancing professionalism and fisheries science, relative to its size and the geographic distribution of its membership. Most often, members will nominate their own chapter. Nomination materials should include the number of members, names of officers, number and type of meetings, special activities, recruitment activities, and a brief (1 page) description of what makes this chapter an active and important contributor to the NCD, AFS, and fisheries profession. Additional materials of support may also be included.

Most Active Student Subunit Award

This award will be given to the North Central Division student subunit that has carried out the most active program in developing interest among undergraduate and graduate students in fisheries science and fulfilling the mission of the American Fisheries Society. Most often members will nominate their own subunit.

Best Communications Award

This award will be given to the North Central Division Chapter that has developed the most efficient, useful, and attractive newsletter and website to disseminate information to its members. Both printed and electronic newsletters will be considered. Submissions should include copies of two or three of the Chapter's most recent newsletters and a brief description of the newsletter, including frequency of publication, readership, and primary means of distribution. Most often members will nominate their own subunit by sending these materials and a cover letter.

Fisheries Excellence Award

This award will be given to a North Central Division member who has made an outstanding contribution to the fisheries profession. This contribution may be a single activity or a collection of achievements over the individual's career. Former Division members may be nominated if most of their work occurred while they were NCD members. Nominations should include the names and signatures of at least 2 nominators, a brief (1 page) biographical sketch of the nominee, a brief (1 page) narrative of significant contributions made by the nominee, and copies of any additional materials to support the application.

Meritorious Service Award

This award will recognize extraordinary service to the AFS by a NCD member. Nominations may be based on a single outstanding achievement or a variety of service activities, and may include the Chapter, Division, Section or Parent Society level. In the nomination,

evidence must be presented that this service has gone beyond the routine and that it has made a genuine and lasting contribution to the betterment of the Society. Nominations should include the names and signatures of at least 2 nominators, a brief (1 page) biographical sketch, a brief (1 page) narrative of significant contributions made by the nominee, and copies of any additional materials to support the application.

Nomination forms for each award are available by going to the NCD's homepage www.ncd-afs.org and clicking on the "Awards" button in the left hand banner.

Nomination materials should be submitted by **OCTOBER 23, 2009** to:

Randy Schultz, NCD Awards Committee Chair
Iowa Department of Natural Resources
24570 U.S. Hwy. 34
Chariton, IA 50049

Call 641-774-2958 or email Randy.Schultz@dnr.iowa.gov with any questions.

Lake Superior State University Student Sub-unit Receives ‘Most Active Student Sub-unit Award’ by Doug Galvas

The Lake Superior State University (LSSU) Student Sub-unit tied for the American Fisheries Society Most Active Student Sub-unit Award. This award recognizes the hard work, professional development, and outreach activities of these American Fisheries Society (AFS) sub-units. The former President of LSSU's AFS Sub-unit (Brienne Lunn), former Vice President (Brandon Gerig), and the current Vice President (Douglas Galvas), accepted this wonderful award at the national AFS meeting in Nashville. *“From an undergraduate perspective, going to the national AFS meeting was an amazing experience that hopefully many other LSSU students can have,”* said Brandon Gerig.

The LSSU Sub-unit received this honor for their many professional and service activities. Not only did they host the 2008 Michigan AFS Meeting, but they also have helped organize the raffle events for MIAFS for the last several years. In addition, many of LSSU's Sub-unit members have given oral and poster presentations at both state and regional AFS meetings. *“Our students thoroughly enjoy presenting their undergraduate research*

projects at professional meetings,” said Dr. Geoff Steinhart, *“and they have won several best student presentation awards for the quality of their presentations and research.”*

The Sub-unit has been active in many other ways, as well. LSSU's Sub-unit organized, hosted, and helped teach a freshwater mussel identification and sampling workshop in November of 2008. Along with Renee Sherman Mulcrone (University of Michigan) and Joe Rathbun (Michigan DEQ), Kate Harriger (LSSU Sub-Unit member) taught over 20 professionals from state and federal natural resource agencies how to sample and identify mussel species commonly found in Michigan. LSSU's Sub-unit has volunteered to work with many organizations including the U.S. Forest Service, the Michigan DNR, the Hiawatha Sportsman's Club, and the Sault Area Sportsman's Club. The Sub-unit also recognizes the importance of trying to educate at an early age and get the youth involved; in such ways as fish identification workshops.

LSSU's Fish and Wildlife Club has only been an AFS sub-

unit for four years, but their hard work and dedication to the fisheries field has led to one National and two North Central Division awards. Winning these awards, plus attending AFS meetings, has provided their sub-unit members with wonderful opportunities to meet professionals that can help with graduate schools and jobs. *“Although, this was only my first time attending a conference of this size, I realized how people within the fisheries field are willing to help each other and offer advice; the AFS meetings are a great way to get started in this field,”* Doug Galvas said. Upcoming Sub-unit activities include a fundraising fish fry, to raise money for sending students to future AFS meetings to promote professional development of Sub-unit members. LSSU is also going to continue their involvement with the local community, especially younger generations by assisting with multiple kid's fishing tournaments and by providing tours for the school groups at LSSU's Aquatic Research Laboratory. As well as with the kids, LSSU's Sub-unit plans to prolong their relationships with many organizations.

AFS NCD Elections

Please place your vote for the following candidates by going to the following website:

http://www.surveymonkey.com/s.aspx?sm=altEyfXywixFdY3lXUCnWw_3d_3d

Candidates for NCD First-Vice President

Gwen White

BACKGROUND

I grew up in a Kansas farming community and enjoyed summers camping and working across the US, Mexico and Brazil. I have a biology degree from Goshen College (Indiana), master's degree in coral reef ecology from the University of Maryland, a Ph.D. from the University of Minnesota on land use impacts on Indiana fish communities, and served as a U.S. Peace Corps aquaculture volunteer in Honduras. Since 1995, I have been employed with the Indiana Department of Natural Resources in the Lake and River Enhancement (LARE) watershed management program and as Staff Specialist in the Fisheries Section. I currently work on natural resource public relations and communications projects with the consulting firm D.J. Case & Associates. Over the years, I have been a visiting instructor at six universities in three states. I am committed to the ideals of public service and good government.

AFS INVOLVEMENT

My first AFS meeting was in Portland (1993) as a recipient of the J. Frances Allen Scholarship and

John E. Skinner Award. Over the past 10 years, I have participated in many of the AFS Governing Board meetings as president of the Indiana Chapter and Equal Opportunities Section (EOS) and parliamentary Constitutional Consultant. I have been a member or chair of several Society-level committees including the past two 5-year Strategic Plans, Hutton Junior Fisheries program, Membership Concerns Committee, EOS Travel Awards, J. Frances Allen Award, and North American Agenda for Aquatic Resources Committee. I have co-chaired symposia or facilitated workshops on land use planning, invasive species, fish habitat, drainage board regulations, Native American traditional knowledge, legislative outreach, and the technical program for the 2004 Midwest Fish & Wildlife Conference. I am a life member and certified fisheries professional.

NCD VISION

We live in challenging times with budget and travel restrictions, mass retirements, and new interdisciplinary issues that require us to think more creatively and cooperatively than ever before. In the NCD, we

are uniquely positioned to lead in developing solutions to very complex problems, including binational and tribal co-management of recreational and commercial fisheries, aquaculture, invasive and endangered species, global climate change, and participation in several National Fish Habitat Partnerships (Driftless Area, Fishers & Farmers, Ohio River, Great Lakes, Midwest Glacial Lakes, Great Plains Prairie, Reservoirs). I fully support the division's efforts to continue doing a fantastic job of providing support for committees, workshops, student subunits, internet services, and other venues to exchange technical information about these critical issues.

I am honored to be nominated and look forward to making a contribution to the North Central Division fisheries community in any way that best serves our profession, the fish, habitat, and colleagues who make it all worthwhile.

Ann Marie Holtrop

I am deeply honored to be nominated for NCD office and am so excited for this opportunity to share a bit about myself with all of you. I am a stream ecologist with the Illinois Department of Natural Resources (IDNR), specializing in landscape influences on wadeable stream communities. Prior to joining the IDNR in 2005, I spent seven years with the Illinois Natural History Survey (INHS). During my time with INHS and IDNR, I have worked on several research projects including: characterizing mussel communities, classifying stream types and modeling fish communities, describing coolwater streams (Yes, a few do exist in Illinois!), developing a multi-metric habitat index, updating biological stream ratings, and revising the state's fish-based index of biotic integrity. Throughout these projects, I have worked with a broad group of natural resource professionals including state and federal agencies, academic institutions throughout Illinois and the Midwest, non-governmental organizations, and private individuals. I received my B.S. (1995) from Central Michigan University and my M.S. (1997) from Eastern Illinois University.

My initial involvement with AFS leadership was as co-chair of the Illinois Chapter's Continuing Education Committee, a position I held for several years. In 2006, I was elected as IL AFS Secretary/Treasurer, and enthusiastically jumped into the position. As Treasurer, I worked with fellow

Chapter members to establish a new membership database that would improve our ability to communicate with members in a timely manner. As Secretary, I drafted bylaw changes and worked through the AFS to get those changes adopted. As I moved through the ranks of Vice President and President, I had the pleasure of working with several talented officers and together we created two member-at-large positions, added a new student sub-unit, instituted a professional travel grant program, created student research grants, and held successful Chapter meetings despite travel restrictions and budget cuts. As president, I initiated an Officers forum in which the presidents of each student sub-unit and their advisors met with the IL AFS Officers. I felt as though our Chapter was not as engaged with the sub-units as we should have been, and this forum created a fabulous opportunity for the Excom to talk candidly with student leaders about ways we could improve communication and recruit students into our organization.

Although most of my experience my lies with the Illinois Chapter, I am a member of the NCD - Rivers and Streams Technical Committee and have assisted planning two Midwest Fish and Wildlife conferences (MFWC). This year I am serving as a Steering Committee Co-Chair for the MFWC and have learned much about the roles and responsibilities of NCD officers through this experience. The current officers have been a tremen-

dous help to the Illinois planning team, and I would offer the same support to future planners of the Midwest.

For the past two years, I have been taking leadership training courses through the Management Assistance Team (MAT), which is part of the Association of Fish and Wildlife Agencies. These courses and my experience as an ILAFS Officer and Midwest Steering Committee Co-Chair have provided me with the needed experience to draw upon as a NCD leader. Should I be elected as your next officer, I will commit myself and my energy to addressing the needs of the NCD. Specifically, I intend to:

- Encourage the use of internet-based meetings (e.g., go-to-meeting or web-in-ars) and phone conferencing to conduct business in a cost-effective and environmentally-friendly manner
- Promote continuing education opportunities that are compatible with travel restrictions and limited budgets
- Develop a mentoring program, similar to that started by AFS in Nashville, for future NCD officers.

I sincerely thank you for considering me as your next officer, and I look forward to seeing you at future NCD events.

Candidate for NCD Representative to the AFS Nominating Committee

Stu Shipman

NCD members, I'd like you to consider my election to the 2009 nominating committee as a unique opportunity for me to continue serving the Society. Over the last 10 years I have had the opportunity to participate as President of both the NCD and former Computer User Section as well as Secretary/Treasure of the CUS (now the Fisheries Information and Technol-

ogy Section). As President I had the opportunity to not only serve on the Societies governing board but also served two terms on the management committee. Along with my experience with the Society I bring 35 years of practical experience initially as a research biologist and presently as a program manager for the Indiana Department of Natural Resources. As

such I think I have good insight into what characteristics are required to run the business that is AFS. Please allow me to continue my service by selecting me as your nominating committee representative.

2010-2011 Janice Lee Fenske Excellence in Fisheries Management Fellowship

The Department of Fisheries and Wildlife at Michigan State University is currently accepting applications for the Janice Lee Fenske Excellence in Fisheries Management Fellowship. Jan Fenske was the first female biologist for the Fisheries Division of the Michigan Department of Natural Resources. During her 27 years of service, her love of the environment compelled her to work untiringly for the long-term protection and sustainable use of the State's aquatic resources. The intent of this award is to honor Jan's attitude, deep commitment to the resource, integrity, and memory by providing graduate students from the under-served community in the Department with additional financial and mentoring opportunities to assist them in developing successful careers in fisheries man-

agement. For more information about Jan Fenske, refer to the Biography of Jan Fenske in the Michigan Chapter of the American Fisheries Society web site: http://www.fisheries.org/units/miafs/jfen-ske_award.html#Biography_of_Janice_L_Fenske

Financial Award and Mentoring Experience

For the 2010-2011 academic year, new Master's or Doctoral students or students in early stages of their research at the Department of Fisheries and Wildlife, Michigan State University can apply for this Fellowship, and a single recipient will receive a financial award of

\$10,000. The recipient will also work closely with a university mentor and with a mentor from a state or federal fisheries management agency to address a practical issue facing the agency. Through these mentoring relationships, it is expected that the award recipient will benefit greatly from collaborations with university and agency mentors, from interactions with others in the agency, and from their focused consideration of a high priority, real-world issue that challenges the management agency.

More information on the award and the application process can be found at: <http://www.fw.msu.edu/fellowships.htm>

MEMBERS FORUM

Note from the Editor: This new section is for you the members to submit opinion pieces, notices, short articles, new species records, cool pictures, outreach information, innovative projects, and other items of interest. We welcome a variety of articles; however, items will be published at the discretion of the editor.

Menominee River Mussel Survey by Andy Selle

In August of this year Lake Superior State University (Chris Beyett and Amanda Chambers, supervised by Dr. Ashley Moerke), Wisconsin DNR (Randy Piette), Michigan DNR (Jessica Mistak), and Inter-Fluve Inc (Andy Selle) performed scuba and snorkel surveys of mussels on the Menominee River upstream and downstream of the Little Quinnesec Dam near Niagara, WI. The effort marks the second year of a project to catalog and study mussel populations within the Menominee River basin. The Upper Peninsula's Paint River system was sampled in 2008, and the Sturgeon River system was targeted in 2009 along with this site on the mainstem.



This was the first freshwater mussel survey of the Little Quinnesec impoundment and waters immediately downstream of the dam. Valuable baseline data were collected using comprehensive transect methods developed by WDNR's Randy Piette. Highlights included locating juvenile fatmuckets, some with the bisel thread still attached, as well as documenting extensive beds in deep water (>15') portions of the impoundment. A total of 6 species were collected within the impoundment and 6 species immediately below. Species found in both locations

include Giant Floater, Threeridge, Fat Mucket, Fluted Shell, and Spike. Elktoe were found below the dam and a Fatmucket (dead) was located within the impoundment.

The overall study is directed at placing a greater emphasis on freshwater mussels, the most threatened and endangered aquatic organisms in the Midwest. We are collecting habitat data along with the population information to document and quantify the range and habitat requirements of mussels. Already T&E species such as the Slippershell (Threatened in MI) have been documented in previously unknown locales within the watershed. Given the increase in recent years on restoration and enhancement of river systems, specific or even general guidance on the habitat requirements of mussels is essential to elevate mussels as a targeted species in river and stream restoration projects.

The Quinnesec study was funded by Northbrook Energy, LLC, owner of the Little Quinnesec hydroelectric project. The larger study has been funded through the Menominee Enhancement Fund. Data collection efforts have been completed for the year and analysis is in full swing. Results will be posted to the following website:

Lake Superior State University Menominee Mussel Project web site <http://www.lssu.edu/arl/freshwatermussels.php>

Other media coverage on the study can viewed at the following locations:

Michigan DNR Press Release 7/2007

- The press release was picked up by a number of newspapers, web sites, and public press outlets. <http://www.michigan.gov/dnr/0,1607,7-153--196290--,00.html>

Lake Superior State University Press Release 7/2007 http://www.lssu.edu/whats_new/articles.php?articleid=1546

Michigan DNR mussel slide show posted on the DNR web site 8/2008 http://www.michigandnr.com/slideshows/musselsurvey/publish_to_web/index.html

Lake Superior State University ARL Newsletter 2008 Volume 3, Issue 1 http://www.lssu.edu/arl/documents/ARL2008v3_1.pdf

Radio Interview with Adam Carpenter on Fox 103's The Outdoor Show (to be aired in Spring 2009)

Michigan DNR Press Release 3/2009- The press release was picked up by a number of newspapers, web sites, and public press outlets. http://www.michigan.gov/dnr/0,1607,7-153-10366_46403-211603--,00.html

TV 6 News segment 7/22/2009- http://www.uppermichiganssource.com/news/news_story.aspx?id=327920



Collaboration on Walleye Lake Systems in Michigan by Nick Popoff

In 2007, a Consent Decree was signed by the Little River Band of Ottawa Indians, Grand Traverse Band of Ottawa and Chippewa Indians, Little Traverse Bay Bands of Odawa Indians, Sault Tribe of Chippewa Indians, Bay Mills Indian Community, the State of Michigan, and the United States. The Consent Decree confirms the five Tribes inland hunting, fishing and gathering rights within the 1836 Treaty Area and stipulates specific management and regulatory practices. State and Tribal biologists have established working groups and committees to meet the requirements of these provi-

sions. For example, the State and five Tribal Governments have committed to develop a regression model to estimate walleye populations within the 1836 Treaty Area. Currently, in lakes where population assessments have not been completed within the previous five years, a regression equation is borrowed from Wisconsin and applied to the lakes in Michigan to estimate walleye populations. Tribal and State biologists understand it is not preferable to use a model from another region to estimate our walleye populations within Michigan and that it will take time to develop a statistically sound re-

gression equation. Now that the 2007 Consent Decree Parties have committed to this objective, Michigan's walleye populations will benefit. Recently, the State and Little Traverse Bay Bands of Odawa Indians have committed to collaboratively complete a walleye population assessment in Crooked-Pickerel Lakes in Emmet County, Michigan. The State and Tribes plan to complete additional fishery assessments independently throughout the 1836 Treaty Area. It is believed that a committed collaboration between Consent Decree Parties will help protect and enhance Michigan's fisheries.



Websites:

*Parent company: <http://www.fisheries.org>
North Central Division: <http://www.ncd-afs.org>
NCD Listserve email to: ncdlist@lists.fisheries.org*