



Newsletter of the Minnesota Chapter of the American Fisheries Society

Year 2006 No. 1
February Issue

INSIDE:

President's Message-----1
 Committee Reports-----3
 Fishing Roundtable-----5
 Of Interest-----7
 Candidates Statements---8
 Annual Meeting -----10
 Upcoming Events-----20
 Contact Information---21

Message from

Actinopterygii

By Tim Brastrup, President

The first Minnesota Natural Resource Conference is drawing near, which means that my year as chapter president is almost over. In reflecting back over the year that seemed like a “blink in time”, the chapter was

quite active, becoming involved in several issues. We will award three scholarships at the conference, we gave support to the **Equal Opportunities Section**, matched a fund raiser for the tsunami victims, and contributed monetary support for the **Shallow Lakes Forum**. The **Continuing Education Committee** completed one workshop and is in the process of planning another for next year. All of the **Standing and Special/Ad Hoc Committees** were busy keeping the chapter functioning. Our **Fund-Raising Committee** has been working non-stop since the last annual meeting. Every segment of the **Chapter Excom** has done an impressive job all year. It seemed like our **Webmaster Donna Dustin** was always at the top of her game and incredibly helpful.



Issues that the chapter weighed in on include a letter to **Governor Pawlenty** encouraging the **MPCA** to set mercury emissions standards that will reduce mercury pollution by the largest industrial polluters. The chapter also provided support for **MCEA's** effort to ensure the intent of the **Clean Water Act** was upheld regarding new source discharges to impaired waters, and moral support for the lake restoration case. At least three resolutions are being submitted for consideration at the annual meeting.

Among the resolution topics are **1) a steady state economy, 2) support for EQB rule revisions, and 3) support for revised shoreland rules.**

Long time, active member **Greg Busacker** has retired and very soon will be heading for Missouri with his wife to begin another segment of their life. Greg has been a model biologist and mentor to many during his career. His wisdom from decades of dedicated service to the resources of the state has served Greg and all of his associates well. I know I can

Don't miss out



2006 Annual Meeting

Join us at Craguns for the **First Minnesota Natural Resource Conference**. Didn't make the early registration deadline? Don't worry, we would still love to see you there. **But please let us know you are planning to attend.**

See page 5 for details!

RYBA editor: Donna Dustin

The Chapter publishes **RYBA** four times yearly (February, May, September, and December). Past issues can be found at the Chapter website: www.mnafs.org.

Please direct comments or submissions to:

donna.dustin@gmail.com

The views and opinions expressed herein are not necessarily those of the Minnesota Chapter.

speak for the Minnesota Chapter of the AFS when I say that his efforts are greatly appreciated and that we owe Greg a debt of gratitude for his commitment to the conservation of aquatic resources and the chapter. We will miss Greg a lot and wish him well in retirement. Just one request Greg, please stay in touch when you can.

*We will have to
prioritize the issues
and pick the "hills we
are willing to die on",
because we cannot
address them all*

There has never been a shortage of issues for which the chapter to consider making a response. In the years ahead there will likely be many more, especially with a growing human population that is placing ever increasing pressures on aquatic habitats. The chapter will find itself faced with opportunities to respond to various units of government in an advisory role, as policies shift to accommodate growth. But just as responsible units of government are spread too thin to address all issues that arise, the MN Chapter of the AFS will also. We will have to prioritize the issues and pick the "hills we are willing to die on", because we cannot address them all. A

wise middle-aged man and past president of the chapter once told me we should do all that we can do for the resource as members of a professional society but "remember, we are volunteers and we still need to do our jobs and tend to family needs", a balancing act. You can count on continued stewardship from the Excom.

I hope to see all of you at the **Minnesota Natural Resource Conference** at **Cragun's** and that you will join the **Chapter Excom** in support of **Henry VanOffelen** as he begins his year as your chapter president. I cannot say enough about the professionals on the Excom. I want to encourage members to become and remain active in the chapter and run for office on the Excom; it is an inspiring experience to serve with such accomplished people. Thanks for the support you gave to us this past year and for the opportunity to serve you.



Submitted by Tim Brastrup

Actinopterygii (formerly Crossopterygii)



Continuing Education

Ray Valley

Continuing Education Co-chair

In January in Duluth, the Chapter sponsored an enlightening 1.5 day workshop instructed by the eminent ecologist/limnologist Dr. John Magnuson that explored long-term dynamics of lakes in the landscape. Dr. Magnuson argued drivers of systems are often slow and occur over large scales, and that research should match the scale of the drivers. Dr. Magnuson took us on a journey through the forest without remarking about the trees. Participants gave the workshop very positive reviews, and many remarked it caused them to think about their work in a whole different way. Interested individuals can either purchase Dr. Magnuson's book: "Long-term dynamics of lakes in the landscape." Oxford University Press 2006 from Amazon.com or download his lectures at

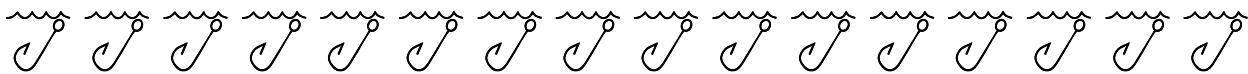
ftp://ftp.dnr.state.mn.us/pub/fsh/FishSchool/MN_AFS_Cont_Ed/MAGNUSON_WKSHP_2006/

Science Fair Help Needed

Brian Nerbonne

Science Fair Committee Chair

The Science Fair Committee is looking for a representative to coordinate our participation in the **Rochester Science Fair**. Our chapter currently presents awards at all of the Regional Fairs in the state, with the exception of Rochester. It would be great if we could be present at this fair, too. Duties will include purchasing prizes (reimbursed by AFS), judging at the fair, and awarding prizes to winning students. The Rochester Science Fair is the evening of **March 2nd**. Participating by the Minnesota Chapter in the science fairs throughout the state has been a great way to encourage young folks to pursue study in the aquatic sciences, advertise the Hutton internship program, and inform future college students about what AFS is about. It is also quite fun to see what these students are doing in their experiments. If you live or work in the Rochester area and are willing to help out, please contact committee chair **Brian Nerbonne** at brian.nerbonne@dnr.state.mn.us.



2006 Streams and Rivers Committee Meeting

Karl Koller

Streams and Rivers Committee Chair

The Streams and Rivers Committee will be meeting at the MN AFS annual meeting at **Craguns**. The meeting will be in the **Pioneer room** on **Wednesday, March 1 at 2:30 pm**. An agenda has yet to be set, but topics likely to be discussed include; a brief summary of the new DNR stream survey manual, OHV's in trout streams, general permits for road crossings and the upcoming symposium at the 2006 Midwest on stream monitoring. If you have an interest in streams, please attend. If you have further questions, actionable items or have a topic you want included on the agenda, contact Karl Koller (karl.koller@dnr.state.mn.us).



Centrarchid Technical Committee

Cindy Tomcko

NCD Centrarchid Technical Committee Rep.

The 2005 business meeting of the Centrarchid Technical Committee was held at the Midwest Fish and Wildlife Conference in Grand Rapids, MI. Keith Hurley, chairman, reported that the CTC had \$332.41 in its accounts. Members are considering how to increase the amount in the treasury to cover future educational efforts or publishing costs. Members discussed previous business: a manuscript on black bass regulations that is in review for publication in AFS' Fisheries; a successful centrarchid bioenergetic

workshop presented by Dr. Hayward and PhD student, Przymeslav Bajer that took place at our summer meeting; an updated grey literature list, available on the CTC webpage; our upcoming Black bass symposium titled 'Conflict resolution of black bass management' at the 2006 Midwest in Omaha, Nebraska. Keith has requested a title or short abstract by February 15th, 2006; send to khurley@ngpc.state.ne.us.

CTC members discussed new business. Cindy Tomcko was installed as the new chairperson. CTC will hold its 2006 summer meeting at Wyalusing State Park, Prairie du Chien, WI, July 25-26, 2006. We will conduct a business meeting, have presentations, the committee representatives' roundtable, and enjoy the evening social/barbeque, fishing and/or hike, and a morning canoe trip on the Wyalusing River. CTC members discussed hosting a second bioenergetics workshop at the 2008 Midwest in WI to make available to a wider audience Dr. Hayward and his student's recent contributions to centrarchid bioenergetics. CTC is also considering producing a booklet on acceptable bass tournament styles, with input from agency personnel, industry representatives, and tournament organizers.



NCD Rivers and Streams Symposium

Karl Koller

NCD Rivers and Streams Technical Committee Rep

CALL FOR PAPERS: 67th Annual Midwest Fish and Wildlife Conference, December 3-6, 2006, Omaha, Nebraska

Symposium Sponsored by the NCD Rivers and Streams Technical Committee

Statewide and Regional Stream and River Monitoring Programs: Overviews and Applications

Session Topics Include:

1. Overview of State Monitoring Programs:
 - A. Wadeable streams, Non-wadeable rivers, Fish, Habitat, and Macroinvertebrate Programs
 - B. State Database Programs for Habitat, Fisheries, Macroinvertebrates, Exotic species, and/or Threatened and Endangered Species
2. Interstate or Regional Programs, e.g. Mississippi River Long-term Monitoring (LTRM), National Ambient Water Quality Assessment (NAQWA), Ohio River (ORSANCO)
3. Advanced Techniques in Monitoring
4. Monitoring for Biological Diversity, e.g. Freshwater mussels, Macroinvertebrates, Threatened and Endangered Species
5. Case Studies or Project Specific Applications Using State Protocols

Contact : **Greg Gelwicks**, Iowa DNR Fisheries, 563-927-3276, gregory.gelwicks@dnr.state.ia.us or **Paul Kanehl**, Wisconsin DNR, 608-221-6332, paul.kanehl@dnr.state.wi.us

Fishing Roundtable 2006

by Mark Hove

Discussion at the 2006 Ecological Services, Fisheries and Wildlife Roundtables covered a variety of topics. Below are select comments from several conversations at the Fishing Roundtable:

Tim Pawlenty (MN Governor) – Governor’s Perspectives The state’s social services budget grows 15-27% annually. Government should not grow faster than the economy. The system needs to be changed. The Governor would like to reform the LCMR to a ‘Missouri model’, and he supports legislation to protect wetlands and water quality.

Tom Gillaspay (State Demographer) – Changing Demographics in Minnesota Minnesota has one of the faster growing economies in the region, likely related to strong education and health care. State population grows by approximately 0.5 million people/10 years, primarily in the Twin Cities. The fastest growth in the Midwest is between St. Cloud-Twin Cities-Rochester, and around Chicago. Approximately 1/3 of the U.S. population is comprised of minority persons. 13% of Minnesota’s population is divided among minority classifications, and the percentage is rising. Like the U.S., Minnesota is aging. Japan and Europe are somewhat older than the U.S. and China is somewhat younger. By 2020 the number of people > 65 yr will be greater than the number of people in K-12. Minnesota used to be thinner. The population is approaching the U.S. average of 21% being clinically obese, which eats into health costs. Renewed outdoor activity may be important to the future of Minnesota.

Dave Epperly (MN DNR, Div. Forestry) – Forest Certification Update Sustainable forest management is in place for all of Minnesota’s 4.8 million acres of state forests.

Tim Goeman (MN DNR, Div. Fish & Wildlife) – Experimental/Special Regulations Special regulations began in the 1980’s, we tried and learned several things. The 1990’s was the individual waters management era, some anglers were impatient with the 6-10 year review period or didn’t want special regulations on their lakes, the lake classification system became available to be applied broadly, and sociology was used to study angler behavior. This decade people want simple, effective regulations. We found science cannot create fine-tuned fisheries. Releasing fish is becoming more expected. Information on how and where to fish is better than ever. There is increased public interest in management decisions. Maintaining or improving quality fishing is a priority, and holistic management (habitat protection, stocking, regulations, outreach, *etc.*) is growing.

Rod Pierce (MN DNR, Div. Fish & Wildlife) – Quality Northern Management The public has many interests, often with competing goals. During 1980’s slot-length and bag limits were started with mixed results, a lot of time is needed to evaluate regulations. Expanded bag limits did not work for small pike. Generally, larger and deeper lakes have lower northern densities, but faster growth and larger pike. A member of Muskies Inc. attending Rod’s presentation made the following statements: (1) the MN DNR should be commended for the fact that Minnesota produced 53% of muskies reported > 50”, (2) this production makes Minnesota the envy of the nation, and (3) it takes the same amount of time to produce 3 trophy bucks as it takes to produce a 1 pound bluegill or a trophy pike. Another Fishing Roundtable member described a situation where a resort owner did a lot of education on producing and maintaining a trophy fishery. This lake had higher regulation compliance and an impressive fishery.

Ron Payer (MN DNR, Div. Fish & Wildlife) – Cormorant Update/Status Cormorant numbers have been growing dramatically in select locations (*e.g.*, Leech Lake –73 nests in 1998, 2500 nests in 2004) In Leech Lake small yellow perch and walleye abundance appears low, there hasn’t been a strong walleye year class since 1997, the 2001 walleye year class started strong and has dropped significantly. Cormorants are not protected by state law, but are a federally protected migratory bird. USFWS granted state and federal operators permission to

kill cormorants in Minnesota. There was a large increase in cormorant numbers during 2000-1, which appears to be flattening now. The current cormorant management plan includes special regulations, cormorant control, fry stocking, and habitat protection.

Pete Jacobson (MN DNR, Div. Fish & Wildlife) – Walleye Stocking Minnesota is stocking more walleye than they have for a long time, the program is the largest in the country. The state has good habitat for reproduction, and 85% of caught fish are thought to be from natural reproduction. DNR recommends stocking 2 lbs. walleye/littoral acre/every other year in lakes where walleye aren't doing well or lakes with poor walleye reproduction. Protecting good walleye reproduction habitat is very important in maintaining a strong walleye fishery.

Ed Boggess (Aquaculture and Wetlands Tech Group) – Report Ditches, tiles, and high water have allowed fish to move into wetlands typically void of fish with a subsequent decline in invertebrate abundance. Aquaculture is centered in the Prairie Pothole Region, where the greatest duck production takes place. Aquaculture activities should not harm the environment. The Group would like consistent practices for private and public enterprises.

Keith Wendt for Brad Moore (MN DNR Commissioner's Office) – Forest Legacy One-third of Minnesota is forested with 42% in private ownership. Forest land ownership is changing from timber to investment organizations. The wood industry employees approximately 40,000 people in Minnesota. The vision is to create a partnership between working forests and quality of life in Minnesota.

Lance Ness (Fish and Wildlife Legislative Alliance) – Ducks, Wetlands, and Clean Water Rally Please attend the following important events: (1) April 22 - Ducks, Wetlands, and Clean Water Rally at the state capital, and (2) March 16 - visit state legislator day. Support the "dedicated funding" where a fraction (1/8-1/4 of 1%) of sales tax would go to conservation programs.

Mark Holsten (MN DNR Commissioner's Office) – Overview of DNR Wetlands Initiatives 90% of Minnesota wetlands have been drained. This increased our economy but ecological impacts include less percolation and altered hydrology. Minnesota had more wetlands than the Dakotas. Minnesota is a headwaters state for three major watersheds. The future of Minnesota resources will be decided as a group, we need to participate.

Rick Horton (Game and Fish Fund Budget Oversight Committee) – Report (I, Mark Hove, am impressed with the dedication so many citizens show trying to assist our DNR with their efforts.)

Bob Meier (MN DNR Commissioner's Office) – Legislative Leadership Affecting change is a cooperative effort. Legislators support the interests of their constituency. The job of MN AFS members is to share their views with their legislators(!).

There were several sessions concurrent with Fishing Roundtable sessions related to Minnesota fisheries. Contact Brian Stenquist at the MN DNR Central Office for more information. If you have any questions or comments regarding my highlights, please contact me at Mark_Hove@umn.edu or 612.624.3019.



Of Interest

Attention Recent Graduates

Are you a recent graduate thinking about joining our parent society? Well AFS has a great deal for you! **Young professionals** who graduated within the last 3 years are eligible for **half price AFS memberships** - that's just \$38.00!



Go to <http://www.fisheries.org/html/Membership.shtml> for more information.



Quotes of the Day...

"My definition of an expert in any field is a person who knows enough about what's really going on to be scared" - P.J. Plauger



Annual Meeting Info

Meeting schedule is in the newsletter starting on page 8. Abstracts are available for download at the chapter website: www.mnafs.org Please contact Pat Rivers if you plan to attend the meeting and have not preregistered: pat.rivers@dnr.state.mn.us or 218-547-1683.



Don't forget to pack your wallet!

The fundraising committee has been working hard to bring us the Best Fundraiser Ever! **Matthews Bow raffle, Knight muzzleloader raffle, wild turkey package, fish quilt** and much, much more. So visit the ATM on your way to Cragun's and *get ready to win!!*



2006 Chapter Elections

All chapter members should receive a ballot for the chapter elections via e-mail soon. The statements from our two nominees for President-elect start on page 6 of this newsletter. Please take a minute to vote and help guide the future of our chapter.



President-Elect Candidate**Michael Duval**

Happy New Year fellow members of the Minnesota Chapter AFS! Each new year brings with it a number of challenges (mostly contrived) and this is no exception. When approached by our Chapter leadership to run for President, I accepted this challenge with great enthusiasm. Why? Because I recognize that it is a great honor to be offered an opportunity to lead a chapter with such a wealth of professional assets. The Chapter is financially sound and we have an energetic core of members. We have excellent representation from all

I see protection of aquatic habitats as the singular critical issue that we must engage with the full energy and passion of this Chapter

spectrums of the fisheries profession including federal and state agencies, various Indian bands, the private sector, and academic faculty and students. Our Chapter offices and committees are populated by individuals from all of these agencies and institutions. Our membership includes a number of the most distinguished fisheries professionals in North America. The Chapter has been acknowledged a number of times over our peers by the Parent Society for our sustained activities and accomplishments. Heck, who wouldn't want to take a shot at leading such an outstanding organization?!?

I have been a member of AFS for about 20 years. In that time, I have been active on the Southern Division Reservoir Technical Committee for a period of 10 years; organized a symposium on FERC relicensing for the Southern Division; served as Treasurer and Continuing Education Committee for the Virginia Chapter AFS; and served as the Minnesota Chapter Continuing Education Committee Co-Chair for a number of years ending last March. Professionally, I have worked for state agencies throughout my career, starting in North Carolina in the mid-80s (2 years) before moving to

President-Elect Candidate**Jeff Reed**

I have been an AFS member since 1986. I've been very active in the Society at all levels, including being elected Auburn Student Chapter Vice President (1989) and the DNR representative to the Minnesota Chapter EXCOM (1999). I have actively served on numerous AFS committees including, Meritorious Service Award, Most Active Chapter Award, Continuing Education, and Resource Policy. From 1994 through 1998 I served as the Minnesota chapter membership chair. At the Divisional level, I co-founded the Esocid Technical Committee and served as that committee's chair from 1992 to 1993. I recently chaired the Division's Walleye Technical Committee (2004-2005) and am currently chairing the WTC subcommittee that is working to update the FAO Synopsis of Biological Data on the Walleye.

The Chapter needs to maintain its status as a leader by providing its membership the most "cutting edge" opportunities in continuing education and providing even more student support to attend chapter and division meetings

I have worked for the Minnesota D.N.R. since 1990, starting as a Fisheries Specialist in Windom. Since 1991 I have been in the Fisheries Research Unit in Glenwood. My research has focused on the effects of fish culture and stocking on wetland ecology, effects of development on fish growth and spawning, walleye stocking, and centrarchid population dynamics.

I have a B.S. in Biology from the University of Wisconsin – Oshkosh, and an M.S. in Fisheries Biology from Auburn University. Prior to my career working for Minnesota D.N.R., I worked for the Alabama Department of Conservation and Natural Resources and Auburn University as a

Virginia (11 years) and most recently, Minnesota (7 years). This concludes the resume portion of our program...

Now let me share with you what I think are the principal issues the Chapter will face just over the horizon. As a Chapter, we need to utilize the talent base of our membership to the fullest extent possible in support of our mission. We must more effectively tap our volunteer resource base in order to sustain the good work this Chapter does and to develop and mentor future Chapter leadership. As workloads in our "real" jobs further increase, we will need to distribute Chapter activities and duties across more hands if we hope to continue to be an effective voice for aquatic resources in the state. As fisheries professionals, we recognize that year classes age and eventually fade out over time. Our year class of Baby Boomers is similarly aging and

*...if you vote for
me all your
wildest dreams
will come true...*

eventually will be retiring from our ranks in the Chapter. With this will come a loss of experience, perspective, and as importantly, communication networks. This demographic change is certainly not unique, but the Chapter is at a crucial point where we have an opportunity to mentor our upcoming professional peers and transfer the knowledge of our present generation of leaders to the next year class. I see protection of aquatic habitats as the singular critical issue that we must engage with the full energy and passion of this Chapter. Headlines this past spring focused on the Duck Rally at the Capitol in hopes of bringing renewed focus to waterfowl habitat protection. This Chapter was a participant in that effort. Regrettably, this high profile initiative only partially addresses the larger aquatic habitat loss that is occurring at an accelerating pace here in Minnesota. The Minnesota Chapter is uniquely poised to be a catalyzing agent in bringing together the many angling groups that share an interest in sustainable healthy aquatic habitats. We must engage these groups with urgency and develop a common voice and strategy to counter the rapid urbanization of our shorelines.

Thank you for this opportunity to further serve the Chapter membership! Oh, and if you vote for me all your wildest dreams will come true...

~~ Michael Duval

contract biologist/research associate and the Wisconsin D.N.R. as a fisheries technician and natural resource assistant.

The Minnesota Chapter is among the best in AFS. It is as good as it is because of the people that are involved in it, the services it provides to its members and the role it has played in serving as an advocate for the aquatic resources of the State of Minnesota. The Chapter needs to maintain its status

*it is more important
than ever that scientific-
based resource
management has a voice*

as a leader by providing its membership the most "cutting edge" opportunities in continuing education and providing even more student support to attend chapter and division meetings. Continuing to serve as a voice for our aquatic and other natural resources is becoming increasingly more important as well. As it becomes apparent that the dynamics of the LCMR are going to change, and with it how money is spent on resource management in the State, it is more important than ever that scientific-based resource management has a voice. We need to maintain and even increase our dialogue with other resource professionals. Finally, increasing diversity within the fisheries profession is in the spotlight at the national and division levels. To that end, we need to increase our support of the Hutton Junior Fisheries Biology Program.

~~ Jeff Reed

**1st Minnesota Natural Resources Conference
February 28 – March 2, 2006
Cragun's Conference Center, Brainerd, MN**

Meeting Schedule

Tuesday, February 28

1:00 – 5:00	Fisheries Research Meeting, Region 1 and 2 Fisheries Meeting, Society of American Foresters Annual Business Meeting, Joint USFWS and MN DNR Wildlife Meeting
4:30 – 6:30	Meeting Registration (Lobby)
5:15 – 6:30	MN AFS Executive Committee Meeting TWS Executive Committee Meeting
7:00 – 11:00	Social Mixer (Poolside)

Wednesday, March 1

7:00 – 8:00	Breakfast
7:30 – 12:00	Registration (Lobby) Poster set-up (The Centre-walking track)
2:30	MN AFS River and Streams Committee (Pioneer Room)

8:45 – 3:00

Plenary Session (The Centre)

8:45	Welcome
9:00	<i>Changing Demographics in MN: Implications for Natural Resources</i> Martha McMurry, MN State Demographic Center
9:25	<i>Changing Climate and Implications for MN Natural Resources</i> J.D. Hamilton, Minnesotans for an Energy Efficient Economy
9:50	<i>Status and Trends of Natural Resources in Minnesota</i> John Curry: Minnesota Campaign for Conservation
10:15	Break
10:30	<i>Wall Street and Natural Resources</i> Michael Goergen, CEO Society of American Foresters
11:05	<i>Lessons Learned: The Quincy Library Group</i> Speaker TBA
11:30	<i>Case Study: Manitou Forest</i> Jim Manolis, MN DNR
12:00	Lunch

1:00 – 3:00

Concurrent Technical Sessions

1. Fisheries Research and Management (Lakeshore 1)
2. Wildlife Research and Management (Lakeshore 2)
3. Invasive Species Research and Management (Lakeshore 3)
4. TIMOs and REITs – Forest Certification (Lakeshore 4)
5. Shallow Lake Management (Paul Bunyan 2)
6. Fisheries Research and Management II (Paul Bunyan 3)
7. Natural Resource Planning (Paul Bunyan 4)
8. Working Discussion with morning speakers (Pioneer)

Wednesday continued

3:05 Break

3:30 - 5:00 Keynote Speakers (The Centre)***Consumption - A Vital Element of Environmental Planning***

Jim Bowyer, Consortium for Research on Renewable Industrial Materials

Economic Growth, Natural Resource Conservation, and Economic Sustainability

Brian Czech, Center for the Advancement of a Steady State Economy

5:15 – 6:30 MN AFS Annual Business Meeting (Lakeshore 2)
MN TWS Annual Business Meeting (Lakeshore 4)
MN SCB Annual Business Meeting (Paul Bunyan 2)

6:00 – 7:00 Post Keynote Discussion Session (Paul Bunyan 4)

7:00 Banquet
Dave Zentner, Wetlands Rally Group

9:00 Social (Poolside)

Thursday, March 2

7:00 – 8:00 Breakfast

8:30 – 10:50 Concurrent Technical Sessions

1. Fish and Wildlife Habitat Conservation (Lakeshore 1)
2. Riparian Management (Lakeshore 2)
3. Management of Invasive and Genetically Modified Fish (Lakeshore 3)
4. Fisheries Research and Management III (Lakeshore 4)
5. Wildlife Research and Management II (Paul Bunyan 2)
6. Sustainability and the Landscape (Paul Bunyan 3)
7. Natural Resource Education (Paul Bunyan 4)
8. Working Discussion: Finding our foundation -- Ethics and the real world of conservation and management (Pioneer Room)

10:50 Break

11:15 Meeting Review and Adjournment

Session 1
Fisheries Research and Management

Room: Lakeshore 1

Time	Title/Topic	Speaker
1:00	Slimy Sculpin Repatriation In Southeast Minnesota	Merten
1:20	Preferred Habitats of Slimy and Mottled Sculpin in Coldwater Tributaries of the Upper Mississippi River, Southeastern Minnesota	Mundahl et al.
1:40	Summer Habitat Associations of Large Brown Trout in Southeast Minnesota Streams	Dieterman et al.
2:00	One Year of Parental Hatchery Experience Reduces Success of Steelhead Fry Stocked Into Their Naturalized Environment	Caroffino et al.
2:20	Detecting Shifts in Macroinvertebrate Community Requirements: Implicating Causes of Impairment in Streams	Huff et al.
2:40	The Establishment of Smallmouth Bass in the Lower Ottertail River	Fullhart

Session 2
Wildlife Research and Management

Room: Lakeshore 2

Moderator - Ross Heir

Time	Title/Topic	Speaker
1:00	Effects of Subcutaneous Transmitter Implants on Mourning Doves	Berdeen et al.
1:20	Northern Wild Turkeys - Issues or Opportunity	Kimmel & Krueger
1:40	Characteristics of Winter Roost and Activity Sites of Wild Turkeys in Minnesota	Haroldson et al.
2:00	Survival and Habitat Use of Eastern Wild Turkeys Translocated to Northwestern Minnesota	Goetz
2:20	Restoring Greater Prairie Chickens to West Central Minnesota - Progress Report	Toepfer et al.
2:40	Anecdotal Observation of Prairie Chickens and Wind Generators in Northwestern Minnesota	Toepfer

Session 3
Invasive Species Research and Management

Room: Lakeshore 3

Time	Title/Topic	Speaker
1:00	Parasitism of Prairie Chickens Nests By Pheasants in Minnesota	Toepfer et al.
1:20	Woody Species Expansion into Midwestern Grasslands	Hoch
1:40	A multi-agency Approach to Weed Management in Clay County, Minnesota	Hoch et al.
2:00	Ecological consequences of Exotic Invaders: Interactions Involving European Earthworms and Native Plant Communities in Hardwood Forests	Hale
2:20	Invasive Earthworms, deer, plant diversity, and sedge mats in Northern Hardwood Forests	Holdsworth et al.
2:40	Species Lists for Native Plant Community Restoration: An Ecological Approach	Texler & Lane

Session 4
TIMOs and REITs - Forest Certification

Room: Lakeshore 4

Time	Title/Topic	Speaker
1:00	Forest Legacy Partnership Project in the Itasca Region	Norton
1:20	Trends in Minnesota's Forest Land Real Estate Market: Potential Implication for Kilgore Forest Land Uses	
1:40	What is a TIMO, Who We Are and What We Do As Forest Managers: Forest Capital Partners' Perspective	Halla
2:00	Forest Certification – SFIS, PEFC	Marshall
2:20	Trends in Forest Certification	Fernholz
2:40	Dual Forest Certification of State-Administered Forest Lands in Minnesota	Arends

Session 5
Shallow Lakes

Room: Paul Bunyan 2
Ann Geisen – Moderator

Time	Title/Topic	Speaker
1:00	Alternative States in Shallow Lakes Across Two North American Biomes	Zimmer et al.
1:20	Fish Assemblages in Prairie Wetlandlandscapes in Minnesota: Pattern Identified Using Ordination Techniques	Herwig et al.
1:40	Effects of Macrophytes, Nutrients, and Fish on Periphyton Abundance in Shallow Lakes	Konsti et al.
2:00	Preliminary Results of "Reverse Aeration" in Walleye Rearing Ponds	Shroyer
2:20	Minnesota Pollution Control Agency Biological Monitoring Program: Wetlands	Bourdaghs et al.
2:40	Minnesota Pollution Control Agency Biological Monitoring Program: Streams	Weitzell

Session 6
Fisheries Research and Management II

Room: Paul Bunyan 3

Time	Title/Topic	Speaker
1:00	Interactions Between Stocked Walleye and Native Yellow Perch, A 17-year Study of Percid Community Dynamics	Pierce et al.
1:20	The Status of Walleye Reproduction in the Red Lakes	Logsdon et al.
1:40	Impacts of Double-Crested Cormorant Abundance on Walleye in Leech Lake With Stock-Recruitment Analysis	Goktepe et al.
2:00	Aquatic Macrophyte Survey of Leech Lake, Minnesota	Knopik et al.
2:20	Temporal Variation in Trap Net Catch Per Effort of Black Crappie in Small Lakes in South Central Minnesota	McInerny et al.
2:40	Estimates of Tackle Loss for Five Minnesota Walleye Fisheries	Radomski et al.

Session 7
Natural Resource Planning

Room: Paul Bunyan 4

Time	Title/Topic	Speaker
1:00	Growth Pressures on Sensitive Natural Resources in the Twin Cities Metropolitan Region	Pfeifer
1:20	Tomorrow's Habitat for the Wild and Rare: An Action Plan for Minnesota Wildlife	Carlson et al.
1:40	Brainerd Lakes Area Conservation Collaborative (BLACC)	Hunsicker
2:00	The Border Lakes Partnership: Interagency Collaboration on Desired Future Conditions in a Landscape of International Significance	Lytle et al.
2:20	Reclaiming Resources in the Red River Basin: The 1998 Red River Mediation Agreement	Buckhout
2:40	NR Planning Discussion Time	

Session 8:

Riding these Waves: Deeper Discussions of the morning plenary presentations. (Pioneer Room)

We will invite two or more of the morning plenary presenters to join in a two hour exploration of some of the central themes that arise from their work. Come prepared to bring your own stories and work together with these professionals to focus on the implication of their presentations to the work of members of SAF, TWS, AFS, and SCB.

Session 1**Fish and Wildlife Habitat Conservation****Room:** Lakeshore 1**Moderator:**

Time	Title/Topic	Speaker
8:30	Distinguishing Walleye Stocking Strains Using Microsatellite DNA Markers	Mackenthun & Miller
8:50	Diet and Bioenergetics of Lake Rearing Juvenile Chinook Salmon in Lake Washington, WA.	Koehler et al.
9:10	Conservation Status of Native Fish, Crayfish, and Mussels in the Midwest	Patronski & Oetker
9:30	Landscape Relationships and Classification of Minnesota Lakes Using DNR Aquatic Vegetation Data	Reschke et al.
9:50	Minnesota' Alternative Shoreland Management Standards	Radomski
10:10	Creation of the Minnesota Association of Conservation	Stolen

Session 2**Riparian Management****Room:** Lakeshore 2

Time	Title/Topic	Speaker
8:30	Working in Riparian Areas- Why Do It?	Thompson
8:50	Riparian Forest Management in Northern Minnesota	Kastendick
9:10	Effects of Riparian Forest Harvest On Aquatic Systems In Northern Minnesota	Vondracek
9:30	Breeding Bird Response to Harvest in Riparian Buffers in Northern Minnesota	Lind
9:50	Effects of Forest Age Structure On Invertebrate Communities and Macrophytes in Bowe Seasonl Forest Ponds	
10:10	Windthrow Dynamic in Northern Minnesota Riparian Management Zones	Steil
10:30	Portable Crossing Structures - An Option For Temporary Stream and Wetland Crossings	Russell

Session 3**Management of Invasive and Genetically Modified Fish**

Room: Lakeshore 3

Moderator:

Time	Title/Topic	Speaker
8:30	International Governance of Transgenic Fish: Navigating Biosafety and Trade Policy Waters	Patronski
8:50	Genetic Methods for Biological Control of Non-Native Fish in the Gila River Basin	Kapuscinski
9:10	A Comparative Study of Sensory Physiology and Competitive Interactions of the Round Goby With Two Native Species.	Bergstrom & Mensinger
9:30	Behavioral Evidence That Bile Acids as Social Clues That Could Be Used To Attract an Invasive Fish, the common carp	Sharpe et al.
9:50	Discovery and Structure Elucidation of the Sea Lamprey Migratory Pheromone Points the Way to Control Strategies for Invasive Carp	Sorensen et al.
10:10	Movement, Reproduction, and Backwater Use of Exotic Carps in the Lower Illinois River	Schultz et al.
10:30	Response of Japanese Medaka to Simulated Predation	Maccaroni et al.

Session 4**Fisheries Research and Management III**

Room: Lakeshore 4

Time	Title/Topic	Speaker
8:30	Diel Migration in the Lake Superior Pelagic Community	Hrabik et al.
8:50	A Non-Alarm Origin for the Evolution and Maintenance of Epidermal Club Cells	Wisenden et al.
9:10	Bullheads: Which One is Which?	Paulson & Hatch
9:30	Release, Detection, Discrimination, and Associative Learning of Conspecific Bile Acids by Migratory Rainbow Trout	Thwaites et al.
9:50	Statistical Catch At Age Model for Lake Trout in the Minnesota Waters of Lake Superior	Drake
10:10	Smile, You're on Candid Creel Camera	Bacigalupi & Nemeth
10:30	Advancing Bioenergetics Models to Predict Effects of Temperature on Growth, Condition, and Fecundity in Fish: White Crappie in Warm Water	Bajer & Hayward

Session 5
Wildlife Research and Management II

Room: Paul Bunyan 2

Time	Title/Topic	Speaker
8:30	Snowshoe Hare Population Density and Use of Cover Types in Superior National Forest, Minnesota	McCann et al.
8:50	Update on Canada Lynx Research in Minnesota	Moen et al.
9:10	Use of GPS Telemetry to Study The Space Use and Movements of Canada Lynx in Minnesota	Burdett et al.
9:30	Use of Deer Barrier Fences in Forest Regeneration Projects	Reindl & Hecker
9:50	A Probabilistic Sampling Design for Aquatic Communities in the Prairie Pothole Region	Hollenhorst et al.
10:10	Effects of Hydrology and Land Use on Amphibian Breeding Potential and Community Structure in the Prairie Pothole Region	Olker et al.
10:30	Minnesota's Native Plant Community Classification: Forests, Woodlands, and Prairies	Dana

Session 6
Sustainability and the Landscape

Room: Paul Bunyan 3

Time	Title/Topic	Speaker
8:30	Habitat Friendly Farming	VanOffelen et al.
8:50	The Green Lands, Blue Waters Consortium: Towards 'Productive Conservation' in Corn Belt Agriculture?	Jordan
9:10	Working Lands Initiative	Norrgard
9:30	Incorporating Ecological Engineering Perspectives in Sustainable Environmental Management	Rye
9:50	Sustainability Thinking and Resource Management Education	Svedarsky
10:10		

Session 7
Natural Resource Education

Room: Paul Bunyan 4

Time	Title/Topic	Speaker
8:30		
8:50	Connecting Knowledge, Attitudes, and Behavior Regarding Water Quality in the Longfellow and Seward Neighborhoods in South Minneapolis	Schreiber & Nerbonne
9:10	Fifteen Preschool Children in the Woods: An outreach Model for Natural Resources Managers	Levy
9:30	Certificate Course in Ecosystem Silviculture: A Next Step in Using the MN Ecological Classification System for Forest Landmanagement	Levy & Jacqmain
9:50		

Session 8

Finding our foundation -- Ethics and the real world of conservation and management (Pioneer Room)

Join us for a conversation about the fundamentals. Why are we in this business? What do we personally hope to achieve in our lifetimes? How are real world values at odds? And how can we use value conflict as a launching point for creative restructuring of our lives and work?

Upcoming Events

2006

Annual Meeting of the Minnesota Chapter of the American Fisheries Society

Feb 28-March 1, 2006 — Cragun's Resort, Brainerd, MN

See www.mnafs.org

Shallow Lakes Forum III

Apr 5-6, 2006 - Holiday Inn and Willmar Conference Center, Wilmar, MN

See www.shallowlakes.info/pages/1/

Contact **Shannon Fisher**, shannon.fisher@mnsu.edu, 507-389-5492

International Conference on Rivers and Civilization: Multidisciplinary Perspectives on Major River Basins

Jun 25-28, 2006 --- La Crosse, WI

See www.rivers2006.org/

Contact **James Wiener**, wiener.jame@uwlax.edu, 608/785-6454

Eighth International Conference on Mercury as a Global Pollutant

Aug 6-11, 2006 --- Madison WI.

See www.mercury2006.org

Contact **James Wiener**, wiener.jame@uwlax.edu, 608/785-6454

American Fisheries Society 136th Annual Meeting

Sep 10-14, 2006 --- Lake Placid, NY

Contact **Betsy Fritz**, bfritz@fisheries.org, 301/897-8616, ext. 212

2007

American Fisheries Society 137th Annual Meeting

Sep 2-6, 2007—San Francisco, CA

Contact **Betsy Fritz**, bfritz@fisheries.org, 301/897-8616, ext. 212

**Minnesota Chapter of the American Fisheries Society
Current Officers and Committee Members May 2005**

Chapter Officers

President	Tim Brastrup	tim.brastrup@dnr.state.mn.us	218-833-8636
President-elect	Henry VanOffelen	vanoff@lakesnet.net	218-847-7416
Past President	Loren Miller	lmm@umn.edu	612-624-3019
Secretary-Treasurer	Pat Rivers	pat.rivers@dnr.state.mn.us	218-547-1683

EXCOM Members

Academic	Julie Zimmerman	henry041@umn.edu	612-624-7495
Open	Thomas Howes	tomhowes@fdlrez.com	218-878-8009
Federal	Chantel Cook	cmcook@fs.fed.us	
Minnesota DNR	Brian Nerbonne	brian.nerbonne@dnr.state.mn.us	651-772-7965

Committee Chairs*Standing Committees*

Awards	John Hiebert	mottled_sculpin@hotmail.com	651-296-2548
Issues	Loren Miller	lmm@umn.edu	612-624-3019
Long-range planning	Jim Levitt	jim.levitt@dnr.state.mn.us	651-772-7941
Membership	Calub Shavlik	calub.shavlik@dnr.state.mn.us	218-547-1683
Nominations	Greg Busacker	busacker@goldengate.net	
Public Education	Eric Altena	Eraltena@gmail.com	763-675-3301
Resolutions	Jeff Weiss	jeffrey.weiss@dnr.state.mn.us	507-467-2442
Students	Anne Cooper	amcoop@umn.edu	612-624-0744

Special/Ad Hoc Committees

Continuing Education	Ray Valley	valleyr1@yahoo.com	651-793-6539
	Phil Talmage	phil.talmage@dnr.state.mn.us	218-286-5220
	Edie Evarts	edie.evarts@dnr.state.mn.us	218-732-4153
Fishing Round Table	Mark Hove	mark_hove@umn.edu	612-624-3019
Fund-Raising	Tom Burri	tom.burri@dnr.state.mn.us	218-286-5220
	Brian Borkholder	brianborkholder@fdlrez.com	218-878-8004
FWLA delegates	Loren Miller	lmm@umn.edu	612-624-3019
	Don Pereira	don.pereira@dnr.state.mn.us	651-259-5231
Historian	Jeff Sluiter	jsluiter@yahoo.com	952-432-6992
Newsletter & Website	Donna Dustin	donna.dustin@gmail.com	218-847-1579
Procedure Manual	Mike McInerny	mike.mcinerney@dnr.state.mn.us	320-234-2562
Science Fair	Brian Nerbonne	brian.nerbonne@dnr.state.mn.us	651-772-7965
Scholarships	Bruce Vondracek	bvondrac@umn.edu	612-624-3421
Streams and Rivers	Karl Koller	karl.koller@dnr.state.mn.us	218-999-7822
Wildlife Society Delegate	Mike North	michael.north@dnr.state.mn.us	218-833-8726

NCD Tehnical Committee Representatives

Centrarchid	Cindy Tomcko	cindy.tomcko@dnr.state.mn.us	218-999-7829
Esocid	Rod Pierce	rod.pierce@dnr.state.mn.us	218-327-4452
Ictalurid	Dennis Topp	sturgeon@wikel.com	218-634-2522
Rivers and Streams	Karl Koller	karl.koller@dnr.state.mn.us	218-999-7822
Salmonid	Eric Merten	eric.merten@dnr.state.mn.us	651-345-3365
Walleye	Tom Heinrich	tom.heinrich@dnr.state.mn.us	218-634-2522