



# RYBA

Newsletter of the Minnesota Chapter of the American Fisheries Society

**Year 2004 No. 3  
September Issue**

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**President's Message**  
by Loren Miller

Another good meeting

I've recently returned from the Annual Meeting in Madison along with a good crowd of Minnesota attendees. President-elect Brastrup was able to attend the leadership training Sunday and is now primed for a year of great service to our chapter. Besides attending, many in our membership contributed to the functioning of the meeting. I don't want to forget names so I'll only mention the key roles played by Bruce

Vondracek and Jerry Grant (former, but recent, member) as program chairs. And of course Ira Adelman, who has now joined the hallowed halls of Past-Presidents.

By all accounts it was another fine meeting. I attended mostly genetics talks and the coaster brook trout symposium. It was a great opportunity to get up-to-date on the research and management activities related to my work. Other MNAFS members presented in sessions on the "History of fisheries in the Great Lakes region," "The role of agriculture in aquatic ecosystems," "Habitat and water quality," "Walleye management," "The Leopold legacy and the National Park Service," "Lakes and reservoirs,"

"Influences of landscape on stream habitat," "Socio-economics and extension," "Economic growth and fisheries conservation," and "Ecology and management of shallow lakes." I belabor the point to make a point to those whom haven't attended a Society meeting. People want to hear what we have to say and there's something for everyone in the 17 concurrent sessions. And next year's meeting is in Anchorage. Plan those abstracts now and get that agency approval to travel!



Outgoing parent society president Ira Adelman receives recognition for his service.



Julie Zimmerman accepts the J. Frances Allen Scholarship Award. Photos by Brian Borkholder.

The highlight of the annual business meeting was the presentation of two prestigious awards to a chapter member. Julie Zimmerman of the University of Minnesota won the J. Frances Allen

**RYBA** editor: David Anderson  
 The Chapter publishes **RYBA** four times yearly (February, May, September, and December). Past issues can be found at the Chapter website: [www.fw.umn.edu/mnaf](http://www.fw.umn.edu/mnaf)  
 Please direct comments or submissions to:  
[david.anderson@dnr.state.mn.us](mailto:david.anderson@dnr.state.mn.us)

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

Scholarship Award for an outstanding female Ph.D. student and the Skinner Travel Award to attend the meeting. The lowlight was our chapter not three-peating the Most Active Chapter Award. Not really a lowlight, but something to inspire us to keep up the good work and get back in the running. The award for large chapters went to the Colorado/Wyoming chapter this year.

On to chapter matters. The legislative session will get going soon, which means more activity and discussion on our part. Please sign up for the Yahoo discussion group to keep informed and involved in the discussions (<http://www.fw.umn.edu/mnafsf/yahoogroup.htm>). This forum was established in part to allow you to have your say without using your work e-mail address. The second major initiative is the revision of our Long-Range Plan. Jim Levitt has agreed to lead the effort but it's a job for all members. Please provide your input when drafts of the plan are distributed later this year. The Parent Society is revising its strategic plan and it's time for us to take a fresh look at where we are going.

## **Officer Reports**

**President Elect**  
**Tim Brastrup**

**2005 Chapter Meeting** - The Annual Meeting will be at the Sawmill Inn in Grand Rapids on March 14 - 16, 2005. Registration is going to likely be \$35 and the banquet (optional) an additional \$20. Single occupancy rooms will be \$57 and double occupancy \$67. Mark your calendars.

**Treasurer**  
**Donna Dustin**

*(Donna's Minutes from the July EXCOM meeting can be found on page 8. Minutes from past meetings can be found on the Chapter website.)*

## **Committee Reports**

**Nominations**  
**By Greg Busacker**

It is time to start thinking about the Chapter Leadership. This year we are looking for candidates for President Elect, Secretary Treasurer, and EXCOM positions from DNR and Federal. If you have nominations for worthy candidates, please forward them to me. If you are interested yourself, you can self-nominate by calling me. AFS leadership is the best FREE training available. It is always daunting to put yourself on the election line. But ask yourself what training and personal development you would receive from your involvement in Chapter affairs? I know I learned a lot about organization, accountability, and time management, as well as the spectrum of fisheries issues in the North Central Division.

## **Centrarchids**

**By Cindy Tomcko**

Twelve members attended the Centrarchid Technical Committee summer meeting on August 22, 2004, in Madison, Wisconsin, at the 134th AFS 2004 Annual Meeting. Eric Weimer, chairman, updated committee members on the status of the black bass management summary, the publishing of the Lepomis symposium papers, the bluegill and largemouth bass poster reprinting, and a revised Grey Literature list for Midwest states. Keith Hurley, Nebraska, was chosen as President-elect. In past meetings, members have discussed whether the committee should be disbanded. At this meeting, members agreed that the Centrarchid Technical Committee should continue, that it provides a useful forum for the casual exchange of in-process research and management information about centrarchids, and that the emphasis should be expanded from bluegill and crappies to include bass and other centrarchids. Finally, members talked about current research and management of centrarchids in their various states, a summary of which will be included in the next RYBA.

## **Continuing Education**

**Stream Habitat Workshop** - As of August, there were still a few seats available in the Stream Assessment and Monitoring workshop 20-24 September in Winona. The announcement is viewable online, at: <http://www.fw.umn.edu/mnafs/streamcourses2004.pdf>

## **Students/Scholarships**

**Scholarship available** - The Minnesota Chapter is again offering a scholarship to help encourage and support undergraduate students attending colleges and universities in Minnesota to earn a degree in the fields of fisheries, water resources, aquatic biology or aquatic environmental science. For more details, see: [www.fw.umn.edu/mnafs/scholarships.htm](http://www.fw.umn.edu/mnafs/scholarships.htm) Deadline for applications is October 29, 2004.

## **Awards**

**By John Hiebert**

ATTENTION CHAPTER MEMBERS! Do you know someone who has gone above and beyond the call of duty to accomplish the Chapter's goals? Let that person know how much you appreciate their hard work by nominating him or her for a Special Recognition Award. What about someone who has made a life-long commitment to Minnesota's fisheries? Nominate him or her for the prestigious Award of Excellence. There are a lot of people out there working hard to make the world a better place for fish - don't let their efforts go unnoticed!

ATTENTION STUDENTS! Do you want to learn how to give a better presentation or put together a better poster? If so, volunteer to judge papers or posters at the upcoming Chapter meeting. It is a great learning experience and a great way to get involved. All chapter members are eligible to judge papers or posters. To nominate someone for an award or to volunteer to judge papers or posters please contact John Hiebert at 651-296-2548 or [john.hiebert@dnr.state.mn.us](mailto:john.hiebert@dnr.state.mn.us).

The **Special Recognitions Awards** can only be given to Chapter members (Appendix C of Procedures Manual). It is given in recognition of special service to the Chapter, such as outgoing officers or committee chairs or members who provide a special service to the Chapter. Chapter members who

contribute to advancement of the goals of the Chapter through their participation in resource related projects are also eligible for Special Recognition Awards.

Each Special Recognition Award nomination must include (Procedures Manual Appendix C-4):

1. The name, address, email, and phone number of the nominator.
2. The name, address, email, and phone number of the nominee.
3. The nominee's current position.
4. A short statement of why the nomination is being made. If the nomination is to recognize service to the Chapter, the service provided must be described. If the nomination is for a special project, the nature of the project and the nominee's role must be described.
5. Although not required, supporting materials and names of other people familiar with the nominee's accomplishments may provide useful information for determining award eligibility.

The **Award of Excellence** may be presented to any individual or group, regardless of membership in the AFS, in recognition of years of dedicated service to the fishery profession or in recognition of an outstanding effort to further the goals of the AFS and the Chapter. The purpose of the Award of Excellence is to recognize outstanding efforts of persons or groups to preserve, promote, or improve fish populations, fish habitat, or the field of fishery science. This Award it recognize extraordinary service above and beyond the call of duty.

The criteria on which the award is based include the following:

1. Is the accomplishment or professional service truly above and beyond the call of duty?
2. What is the extent of the impact the nominee has had?
3. Is the impact exceptional, given the position and location of the individual?
4. How well do the accomplishments of the nominee match the goals of the AFS and the Chapter?

Each Award of Excellence nomination must include (Procedures Manual Appendix C-4):

1. The name, address, email, and phone number of the nominator.
2. The name, address, email, and phone number of the nominee.
3. The nominee's current position.
4. Nomination statement - indicate how and why the nominee is worthy of the award. Describe the impact or significant contribution the individual has made. One or two typed pages.
5. Support documentation - other material may be included to document the nominee defense.
6. List the name, title, address, and telephone number of two other people who are familiar with the nominee's accomplishments.

*(2004 award recipients can be found in the May issue of RYBA, available in "past issues" on the website)*

## Of Interest

**Parent Society Strategic Plan** - The 2005-2009 AFS Strategic Plan Draft is ready for your review! This draft was developed as a revision of the 1999-2004 American Fisheries Society Strategic Plan (Bireley and Adelman, 2004) and encompasses the activities of all units of AFS. Please take some time to review the draft 2005-2009 AFS Strategic Plan to evaluate the relevance of the goals, strategies, and targets for AFS for the next five years. We hope this revision reflects the views of the Membership, so we are eager to hear from you.

*(Comments were due by July 12, but the plans are still available at <http://www.fisheries.org/html/fisheries/governance/afsplan.shtml>)*

## **Self-Sustaining Solutions for Streams, Watersheds and Wetlands Conference**

September 12-15, Radisson Riverfront Hotel, St. Paul, MN

Sponsored by the American Society of Agricultural Engineers (ASAE)

The last few decades have seen increasing interest in enhancing, restoring, and protecting the ecology of wetlands, streams, and watersheds. To achieve these goals will require sound fundamental and applied knowledge, close interaction between scientists and engineers, a systems approach, and a good understanding of spatial and temporal scales. Often a better approach, than has been the norm, might be to reduce the amount of initial engineering of the system and to assist nature in developing a more self-sustaining system. To help in achieving these goals the American Society of Agricultural Engineers is pleased to host a Specialty Conference that will:

Explore innovative solutions, for stream and wetland restoration and management, that seek to reestablish and maintain self-sustaining ecosystems.

Expand our understanding of stream and wetland processes and how knowledge of these processes can be used in water resource protection, design, and management.

Have experts provide cutting-edge knowledge on theory, methods, and tools that will aid in maintaining or developing self-sustaining high quality stream and wetland systems.

Enhance the capabilities of professionals engaged in natural channel design.

Through workshops, provide knowledge and training that will better position participants to protect and enhance water resources.

For more information, refer to:

[www.asae.org/meetings/streams2004/Index.html](http://www.asae.org/meetings/streams2004/Index.html)

### **New Books**

The following titles are newly available through the American Fisheries Society bookstore. For more details or ordering information, see the parent society website.

#### ***The Development of Form and Function in Fishes and the Question of Larval Adaptation***

John Jeffrey Govoni, editor.

This book, the proceedings of a symposium held at the 26th Annual Larval Fish Conference, of the Early Life History Section of the American Fisheries Society, in Bergen, Norway presents current thought that reflects upon the following questions: when and in what capacity do developing organs or organ systems come on line, and more importantly, are these organs and their functions specializations unique to embryos and larvae or are they simply rudimentary functional anlage of the adult form? Understanding how larval fish function, how they acquire energy to grow, and how they expend energy to survive is basic to any endeavor in either mariculture or aquaculture. The symposium invited and drew in scientists from around the world, who have compiled information, achieved understanding, and made their information available in this symposium volume. The chapters included in this book show the development of form and function in the following major anatomical systems: gross external anatomy (swimming), the integument (osmoregulation and taste), the alimentary canal, other visceral organs, the swim bladder, gills, and sensory systems, as well as blood and circulation.

***Early Life History of Fishes in the San Francisco Estuary and Watershed***

Frederick Feyrer, Larry R. Brown, Randall L. Brown, and James J. Orsi, editors

This book is the primary source of information on the early life history of fishes in the San Francisco Estuary and its watershed. There has been a large body of research and monitoring conducted in the system; however, very little of it has been published. This book contains more papers on fish early life history in the system than all previous publications combined. There is a great deal of interest in the system itself, as it is the largest estuary on the Pacific Coast of the United States. In addition to providing a resource for people generally interested in the system, original papers on feeding ecology, growth, environmental requirements of species, community ecology, emerging modeling techniques, development, and toxicology will benefit scientists specializing in a variety of disciplines.

***Geographic Information Systems in Fisheries***

William L. Fisher and Frank J. Rahel, editors

*Geographic Information Systems in Fisheries* was developed to summarize a growing body of information on applications of geographic information systems (GIS) in fisheries research and management. It is the first book of its kind that provides examples of GIS applications for all components of a fishery (i.e., organisms, habitats, and people), in both freshwater and marine environments. The book is intended for use by fisheries students and professionals alike. This book is written as a reference for fisheries scientists who are interested in using GIS as a tool for solving fisheries management problems. The book introduces ways GIS can be applied to fisheries, identifies challenges associated with using GIS in aquatic environments, reviews fisheries applications of GIS in freshwater (streams, rivers, lakes, and reservoirs) and marine (nearshore and offshore) environments and in aquaculture, examines GIS as a tool for fisheries decision making, and concludes with the future of GIS in fisheries.

***The Ecology and Management of Wood in World Rivers***

Stan V. Gregory, Kathryn L. Boyer, and  
Angela M. Gurnell, editors

This book is the proceedings of the "International Conference on Wood in World Rivers" held in Corvallis, Oregon. The volume (1) synthesizes world knowledge about large wood in streams and rivers in relation to physical and ecological processes and stream restoration; (2) presents the status of knowledge of the physical dynamics and ecological interactions of large wood in streams and rivers in different geographical regions; (3) creates a framework for interpreting and potentially applying the results of research in different geographical regions and management systems; (4) identifies different management systems for large wood in rivers; (5) assesses physical and biological responses of large wood in stream restoration; and (6) explores links between primary information of the physical and ecological dynamics of large wood resource management systems, and the communities and cultures in which they are applied.

## Upcoming Events

### **Self-Sustaining Solutions for Streams, Watersheds and Wetlands**

September 12-15, 2004

St. Paul, MN

See announcement on page 5 for details.

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### **Stream Assessment and Monitoring Workshop**

September 20-24, 2004

Winona, MN

Details available at: <http://www.fw.umn.edu/mnafstreamcourses2004.pdf>

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### **Wild Trout VIII Symposium**

Yellowstone National Park

September 20 - 22, 2004

Details available at <http://www.wildtrout8.com/>

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### **St. Croix River Research Rendezvous**

Marine on St. Croix, MN

October 19, 2004

For more information, call 651-433-5953

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### **2004 Midwest Fish and Wildlife Conference**

Indianapolis, IN

December 12-15, 2004

Details available at <http://www.in.gov/dnr/midwest2004/>

## **Minutes of the MN AFS Executive Committee**

### **July 7, 2004 St. Cloud State University**

Call to order - Meeting called to order at 10:08 am; Present are Loren Miller, John Hiebert, Donna Dustin, Mike McInerney, Dave Anderson, Julie Zimmerman, Anne Cooper, Tom Howes, Dave Fulton, Bruce Vondracek, Mike Duval, Tim Brastrup, Jim Levitt. Quorum present.

#### *Officers Reports*

President - Loren Miller: President's travel. Loren offered to support Tim's travel to Madison for Leadership training at this year's Parent Society Meeting. This will come from Loren's travel budget since his travel is already covered.

President Elect - Tim Brastrup: Next year's chapter meeting. Tried for a 3-way meeting with TWS and SAF to focus on riparian corridor management. This fell apart due to poor communication and other snafus. Meeting dates were discussed in relation to the DNR training session, other agencies and Universities' schedules. Tentative choice was made for Mid-March, depending on facilities. We have been having difficulty scheduling meetings with other groups; perhaps we need to start planning earlier for joint meetings as other chapters meet earlier in the year. Tim will try to line up joint meeting with Iowa & WI for year after next. Also will check with Canadians, and some local planning groups regarding a future joint meeting.

Past President - John Hiebert: Recently attended the shallow lakes forum, set up the chapter's booth and gave out brochures.

Treasurer - Donna Dustin: Account balances:

Affinity Plus Primary Share	\$10.07
Business Checking	\$16,365.16
Affinity Plus CD	\$19,883.61
Vanguard Prime Money Market Fund	\$6,892.91
 Total Assets	 \$43,151.75

Some money has come in for the first Stream Course but the bills have not been paid yet, so our balance is high right now. John added that we will be getting back into selling t-shirts and other items at the state fair this year, in partnership with the DNR.

#### *EXCOM Reports*

DNR – Dave Anderson: Some new employees recently, also some reorganization.

Federal – Dave Fulton: Nothing new to report.

Academic – Julie Zimmerman: Nothing to report. Bruce – Congratulated Julie for winning the J. Frances Allen award this year.

Open – Tom Howes: Reported on St Louis River study with multiple other agencies

#### *Committee Reports*

Awards – John Hiebert: Will be taking over as chair next year. Any nominations for awards should go to John starting now.

Issues – John Hiebert: Nothing new to report.

Long Range Planning - Jim Levitt: Jim will be the new long range planning chair – we will discuss this further later.

Membership – Calub Shavlik: The chapter currently has 204 members, 44 student members, 144 belong to parent society. Discussion of parent society registration issues. Loren will contact them about our chapter dues increase next year.

Nominations – Greg Busacker: We have contested elections for all positions next year!

Public Education – Mike Duval: Took the Chapter's brochure to the Rivers Council / Minnesota Lakes Association meeting. Discussion of whether we should purchase digital projectors for our meetings. The consensus was no, but it may be worthwhile to standardize the equipment that we use at meeting (projectors), and possibly specify available font suites, software versions to use, etc. that presenters can use, so we know that it will work. Loren will see if Eric wants to develop some standardization.

Resolutions Jeff Weiss: No report.

Students – Anne Cooper: Had some feedback from students who didn't know about Abstract deadlines last year. Anne will send e-mail to students with call for papers this year. Some discussion of ways to encourage student presentations.

Fishing Roundtable – Mark Hove: No report.

Fundraising - Brian Borkholder: No report.

FWLA - Bruce Vondracek: Major issues from this year's legislative session: the proposal for 3/8 of State sales tax to fund natural resources morphed several times into 3 bills with various percents, none of which passed. The bonding bill, which included state funding to match federal funds for CREP and money to acquire WMAs and AMAs, did not pass. The Game & Fish bill did pass, including legalizing Dove Hunting, live bait retail licenses, transferability of turtle licenses, and an educational thing on lead tackle.

Future plans – Sales tax bill: the bills this year attached a lot of extras, which created a great deal of resistance. Our lobbyist feels that this is unlikely to ever pass, and she recommends that we identify specific issues and ask FWLA to write a bill targeting funding to that particular thing. Examples are the WMA AMA acquisition bonding bill, which would have passed. The down side is that these are short term, issue oriented things and do not solve the long term funding dilemma. But at least we could target things that we think are important. Bruce announced that he is stepping down as our FWLA rep after 6 sessions. Don Pereira will carry on, and Loren has been talking to other prospective representatives to the board, since we have two spots.

Historian – Jeff Sluiter: No report.

Continuing Ed – Mike Duval: Looking to team with Wildlife on a Multivariate statistics class early next year. This fall there will be a continuing ed survey of the membership to help the committee plan for future courses. There was some discussion of ways to get better participation on a survey. Phil Talmage is putting together a Mark/Recapture and Population Dynamics course that will be held in Brainerd in

January. Discussion of costs for classes and concerns over restrictions on attendance when cost is too high. The DNR has significantly more red tape for any courses costing more than \$500, something to be aware of for planning.

MN TWS – Mike North: No report.

Procedures manual – Mike McInerney: Nothing new to report. Bylaw changes are done and there are a few more housekeeping things to clean up in the Procedures Manual.

Student sub-chapter – Mark Hove: Still working on it.

MN Science Fair - Shannon Fisher: Nothing new to report.

Newletter & Website – Dave Anderson: Will be posting information on joining the Yahoo group.

Rivers and Streams –Karl Koller: Summarized discussions from R&S meeting at Annual Meeting.

NCD Rivers and Streams – Karl Koller. Attended meeting this spring – update on discussions there.

NCD Salmonids - Pat Rivers: No progress has been made on reinvigorating this technical committee.

NCD Esocids - Rod Pierce: There will be a technical committee meeting at the Parent Society meeting.

NCD Centrarchids – Cindy Tomcko: There will be a technical committee meeting at the Parent Society meeting.

NCD Walleye – Jeff Reed will be stepping down in December. Meeting will be July 20 at Delta Marsh Field Station.

### **New Business**

Online registration for meetings and events – Activa, web-based registration would like to help with our meeting registration process. The consensus was that costs exceed benefits for the chapter.

Mike Duval – Rule revisions for shoreland zoning are opening up in the five county area of the Governor's Water Initiative. The 2007 Rule Implementation process will begin this fall and there is a good opportunity for the chapter to have input on this. AFS could be included as a stakeholder in this process. Loren will formally request that MN AFS be added to list of stakeholders.

The Brainerd Lakes Area has an award program for lake friendly construction and lakescaping projects. The program was started by the Audubon Society Chapter in response to a void in recognition of good shoreland practices. Awards are given for good management for impermeable surface impacts, or for shoreland restoration projects. Some sponsors are: 10000 friends of MN, MLA, and Crow Wing Lakes & Rivers Alliance. Mike recommended that the Chapter consider taking a sponsorship role, which would some minor financial commitment and would also raise our profile. Cass, Crow Wing, Aitkin, Morrison, Todd, and Wadena Counties are also involved. No action was taken at this time.

ExCom meeting adjourned at 12:05 pm.

**Chapter Officers**

President	Loren Miller	lmm@umn.edu	612-624-3019
President-elect	Tim Brastrup	tim.brastrup@dnr.state.mn.us	218-828-2552
Past President	John Hiebert	mottled_sculpin@hotmail.com	651-296-2548
Secretary-Treasurer	Donna Dustin	donna.dustin@dnr.state.mn.us	218-847-1579; fax 218-847-1588

**Excom Members**

Minnesota DNR	David Anderson	david.anderson@dnr.state.mn.us	763-675-3301
Federal	David Fulton	dcfulton@umn.edu	612-625-5256
Academic	Julie Zimmerman	henry041@umn.edu	612-624-7495
Open	Thomas Howes	tomhowes@fdlrez.com	218-878-8009

**Committee Chairs***Standing Committees*

Awards	John Hiebert	mottled_sculpin@hotmail.com	651-296-2548
Issues	John Hiebert	mottled_sculpin@hotmail.com	651-296-2548
Long Range Planning	Jim Levitt	jim.levitt@dnr.state.mn.us	218-525-0853
Membership	Calub Shavlik	calub.shavlik@dnr.state.mn.us	218-547-1683
Nominations	Greg Busacker	greg.busacker@dot.state.mn.us	651-284-3759
Public Education	Eric Altena	eric.altena@dnr.state.mn.us	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 or Ad Hoc Committees*

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	Bruce Vondracek	bvondrac@umn.edu	612-624-3421
	Don Pereira	don.pereira@dnr.state.mn.us	651-772-7962
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Continuing Education	Mike Duval	michael.duval@dnr.state.mn.us	218-828-2271
	Ray Valley	ray.valley@dnr.state.mn.us	651-793-6539
	Phil Talmage	philip.talmage@dnr.state.mn.us	651-284-3587
MN TWS Representative	Mike North	michael.north@dnr.state.mn.us	218-828-2433
Procedure Manual	Mike McInerny	mike.mcinerny@dnr.state.mn.us	320-234-2562
MN Science Fair	Brian Nerbonne	brian.nerbonne@dnr.state.mn.us	507-831-2919
Newsletter & Website	David Anderson	david.anderson@dnr.state.mn.us	763-675-3301
Scholarships	Bruce Vondracek	bvondrac@umn.edu	612-624-3421
Streams and Rivers	Karl Koller	karl.koller@dnr.state.mn.us	218-327-4124

*NCD Technical Committee Representatives*

Centrarchid	Cindy Tomcko	cindy.tomcko@dnr.state.mn.us	218-327-4456
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Rivers and Streams	Karl Koller	karl.koller@dnr.state.mn.us	218-327-4124
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Walleye	Jeff Reed	jeff.reed@dnr.state.mn.us	320-634-4573
Ictalurid	Dennis Topp	ourfish@means.net	218-634-2522