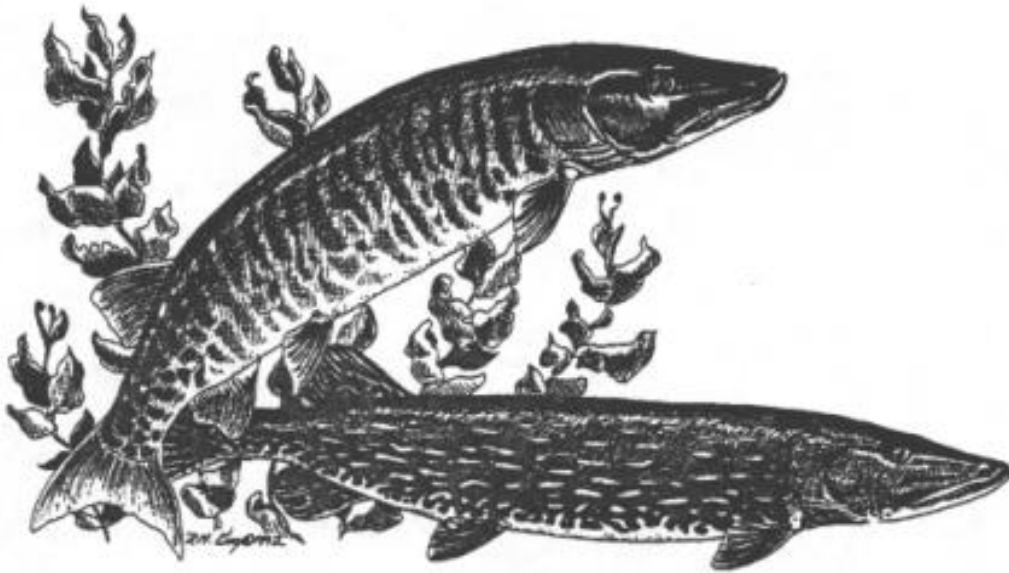


# Esocid Technical Committee



North Central Division  
*American Fisheries Society*  
Established 1991

## **Forward**

This document was originally prepared in 2000 by Terry Margenau, ETC's first chair (he later repeated as chair in 1997). After a decade of existence, it was the committee's first attempt to record its activities and history. This document was intended to be dynamic and was designed to be added to or modified as the committee sees fit as time moves on. However, in the intervening years, little was effort was put into maintaining this record.

At the 2006 annual meeting, the committee decided that it was important to update this document and make it available on the NCD website (November 2006, Tim Simonson).

# History

The Esocid Technical Committee was formed at the 53<sup>rd</sup> Midwest Fish and Wildlife Conference held in Des Moines, Iowa in December 1991. At that first organizational meeting, a mission statement was drafted to identify priorities for this committee to pursue.

## ***Mission Statement:***

*The mission of the Esocid Technical Committee is to:*

- *Encourage and coordinate research leading to the development of functional management strategies toward the wise use of esocid stocks*
- *To advance the knowledge of esocid ecology*
- *To improve culture techniques*
- *To provide a forum in which pertinent data and technologies can be exchanged within the scientific community and among user groups*



The first mid-summer meeting of ETC was held July 1992 in LaCrosse, WI. It was attended by (left to right, back row) Steve Sammons (SD), Jim Christinson (IA), Dave Clapp (IL), Rod Pierce (MN), Wayne Stancil (NE), Jeff Reed (MN), Tom Szendrey (IL), Paul Cunningham (WI), Jim Diana (MI), Jerry Younk (MN), (left to right, front) Terry Margenau (WI), Bernard LeBeau (ONT), Steve Mero (SD), Richard Day (OH), Steve AveLallelant (WI) and Rob Neumann (SD).

# Organization

The Esocid Technical Committee (ETC) is lead by a chairperson who volunteers their services to the committee for a one-year term. In addition, a co-chair, the individual who will become chairperson the following year, works with the chairperson to aid in making a smooth transition of duties from year to year. Chairpersons typically begin their new duties beginning at the Midwest Fish and Wildlife Conference held in December of each year.

Each AFS chapter in the North Central Division has an official representative on the ETC. A chapter representative is usually appointed by the chapter, and can hold that position for an undetermined amount of time. Chapter representatives are required to be members of the American Fisheries Society. No length-of-term conditions have been established to limit how long a person can be a chapter representative. A chapter is not required to have an ETC representative if they do not wish to. General membership and attendance at ETC functions is open to all persons interested in esocid fisheries.

The ETC generally meets twice annually. A mid-summer meeting is typically held and a second meeting is held in conjunction with the Midwest Fish and Wildlife Conference in December. The meetings typically include informal technical presentations on current research and management topics from people active in esocid studies.

## ETC Chairpersons

Year	Chairperson	State*
1992	Terry Margenau	WI
1993	Jeff Reed	MN
1994	Rob Newmann	SD
1995	Wayne Stancil	NE
1996	Dave Clapp	IL
1997	Terry Margenau	WI
1998	Rod Pierce	MN
1999	Joel Klammer	NE
2000	Steve AveLallemant	WI
2001	Paul Cunningham	WI
2002	Dan Isermann	SD
2003	Steve Pallo	IL
2004	Steve Pallo	IL
2005	Tim Simonson	WI
2006	Mark Boone	MO
2007	Ed Braun	IN
2008	Jim Diana	MI

\* indicates AFS Chapter chairperson was associated with during their term.

# Activities

## Symposia

December 1991. “**Northern Pike: Ecology and Management**”. Held in conjunction with the 53<sup>rd</sup> Midwest Fish and Wildlife Conference, Des Moines, Iowa. No proceedings published.

December 1997. “**Strategies for Muskellunge Management**”. Held in conjunction with the 59<sup>th</sup> Midwest Fish and Wildlife Conference, Milwaukee, Wisconsin. Proceedings published in *North American Journal of Fisheries Management* 1999, Volume 19: 221-320. An additional 200 copies were bound under separate cover and sold at \$12.00/copy.

December 2000. “**Current Investigations in the Genetics, Population Dynamics, Harvest Regulations, and Management of Northern Pike in North America**”. Held in conjunction with the 62<sup>nd</sup> Midwest Fish and Wildlife Conference, Minneapolis, Minnesota.

December 2002. “**Northern Pike Management**”. Held in conjunction with the 64<sup>th</sup> Midwest Fish and Wildlife Conference. Proceedings published in *North American Journal of Fisheries Management* 2003, Volume 23: 297-339.

October 2005. “**Dr. Ed Crossman Memorial Muskellunge Symposium**”. Held in conjunction with Muskeis, Inc., Indianapolis, Indiana. Proceedings published in *Environmental Biology of Fishes*. Additional copies published under separate cover by Springer-Verlag.

## Workshops/Publications

1992. “**Synopsis of Research and Management**”. Two hundred copies printed and distributed to membership and agencies within the North Central Division.

1994. “**Age and Growth of Esocids**”. Workshop held at the annual summer meeting, LaCrosse, Wisconsin. Workshop Coordinator: Dr. John Casselman, Ontario Ministry of Natural Resources. No proceedings published.

1995. “**Age and Growth of Esocids**”. Workshop held at the annual summer meeting, LaCrosse, Wisconsin. Workshop Coordinator: Dr. John Casselman, Ontario Ministry of Natural Resources. No proceedings published.

1996. “**The Introductory, Maintenance, and Restoration Stocking of Esocids**”. Workshop held at the annual summer meeting, LaCrosse, Wisconsin. Proceedings published and distributed to membership.

1997. **“A Synopsis of Angling Regulations for Esocids in North America”**. Esocid Technical Committee, North Central Division, American Fisheries Society. 64pp.

2001. **“An Overview of Northern Pike Regulations in North America”**. C. Paukert, J. Klammer, R. Pierce, T. Simonson. *Fisheries* 26(6):6-13.

Other Ongoing Projects

Grey literature library.

Scale Exchange project.



Appendix 1. Symposia titles and authors.

**“Northern Pike: Ecology and Management”** (53<sup>rd</sup> Midwest Fish and Wildlife Conference, Des Moines, Iowa).

Moderators: Jeffery Reed, MN DNR, and Brett Johnson, WI DNR

Effects of rearing techniques on survival of stocked esocids. T. Szendry, INHS, and D. Wahl, University of Illinois.

Exploitation of northern pike in seven northern Minnesota lakes. R. Pierce, MN DNR.

Factors affecting production of trophy northern pike in Minnesota lakes derived from fishing contest records. P. Jacobson, MN DNR.

Effects of community alterations on a stunted northern pike population in northwest Wisconsin. T. Margenau, WI DNR.

Manipulations of northern pike in a Minnesota centrarchid lake. P. Spencer and T. Goeman, MN DNR.

The role of northern pike as a top carnivore in inland lakes. J. Diana, University of Michigan.

Trophic interactions and northern pike management: A statewide perspective. D. Schupp, MN DNR.

Trophic interactions and northern pike management: Case history observations. T. Goeman, MN DNR.

**“Strategies for Muskellunge Management”** (59<sup>th</sup> Midwest Fish and Wildlife Conference, Milwaukee, Wisconsin).

Moderator: Terry Margenau, WI DNR

Muskellunge stocking strategies in Wisconsin: The first century and beyond. T. Margenau, WI DNR.

Bringing the muskies back to the Iowa Great Lakes – Stocking the right kind of fish the right time of the year. J. Larscheid, J. Christianson, T. Gengerke, and W. Jorgenson. IA DNR.

Evaluating muskellunge stocking strategies in an ecological context. D. Wahl, Illinois Natural History Survey.

Missouri's muskellunge program: Applying the Hazel Creek Lake experience to statewide program development. D. Neuswanger and D. Cashatt, MO DOC.

Food habits of muskellunge in Wisconsin. T. Burri, M. Bozek, R. Frie, University of Wisconsin – Stevens Point.

Seasonal habitat use and movements of muskellunge in the Mississippi River. J. Younk, M. Cook, T. Goeman, and P. Spencer, MN DNR.

Abundance, distribution, and survival of age-0 muskellunge in upper St. Lawrence River nursery embayments. J. Farrell and R. Werner, State University of New York, Syracuse.

Age, growth, sexual maturity, and year-class strength of selected Ontario trophy muskellunge populations: Strategically important information for managing and monitoring angling exploitation. J. Casselman, Ontario Ministry of Natural Resources, C. Robinson, Trent University, and E. Crossman, Royal Ontario Museum.

Trophy management alternatives for French River muskellunge. G. Morgan, Laurentian University, Ontario.

Status and trends in Wisconsin's muskellunge fishery. T. Simonson and S. Hewett, WI DNR.

Muskellunge size limits in Wisconsin: The Bone Lake story. R. Cornelius and T. Margenau, WI DNR.

**“Northern Pike Management”** (64<sup>th</sup> Midwest Fish and Wildlife Conference).

Moderator:

A review of northern pike population genetics research and its implications for management. L. Miller and W. Senanan, University of Minnesota.

Angler catch and harvest of northern pike in northern Wisconsin lakes. T. Margenau, S. Gilbert, and G. Hatzenbeler, WI DNR.

Population characteristics and ecological role of northern pike in shallow natural lakes in Nebraska. C. Paukert and D. Willis, South Dakota State University.

Population dynamics, trophic interactions, and production of northern pike in a shallow bog lake and their effects on simulated regulation strategies. R. Pierce and C. Tomcko, and M. Drake, MN DNR.

Density dependence in growth and size-structure of northern pike populations. R. Pierce, C. Tomcko, MN DNR, and T. Margenau, WI DNR.

**“Dr. Ed Crossman Memorial Muskellunge Symposium”**. (Muskeis, Inc., Indianapolis, Indiana)

Abstracts of the presentations are available online at:

<http://muskie.outdoorsfirst.com/articles/11.02.2006/978/Abstracts;International.Muskie.Symposium/index.htm>

History of muskellunge management in Nebraska. Daryl Bauer.

Muskellunge management and distribution analysis in a southeast Wisconsin urban lake. Susan M. Beyler and Robert C. Anderson.

Muskellunge in Missouri: A Ten-Year Strategic Plan. Mark F. Boone.

The New River, Virginia, muskellunge fishery: Population dynamics, harvest regulation modeling, and angler attitudes. Travis O. Brenden, Eric M. Hallerman, Brian R. Murphy, John R. Copeland, and Joseph A. Williams.

Movement and habitat use of muskellunge in Kinkaid Lake. Ron Brooks.

The application of DNA-based genetic tools towards the conservation and management of the muskellunge. *Esox masquinongy*. Michael Butler and Chris Wilson.

Best practices for the catch and release of muskellunge. Michael Butler and Paul Gasbarino.

Maintaining muskellunge populations and quality sports fisheries: A biological basis for setting size limits and determining minimum ultimate length or trophy standard - A tribute to Dr. E.J. Crossman. John M. Casselman and Chris J. Robinson

Missouri's muskie program, egg to angler. Dale Cornelius.

Ecology of an introduced predator: muskellunge (*Esox masquinongy*) in the Saint John River of Maine and New Brunswick. R. Allen Curry, Chad A. Doherty, Tim Jardine, and Steven L. Currie.

Human influences on natural spawning and reproductive success of muskellunge. James S. Diana, Ashley, Rust, and Sarah Zorn.

A conceptual model of muskellunge spawning habitat in Georgian Bay, Ontario, Canada. B. Farmer, P. Chow-Fraser, and T. Seilheimer.

Development, implementation, and evaluation of an international muskellunge management strategy for the upper St. Lawrence River. John M. Farrell Rodger M. Klindt, Steven R. LaPan, Albert Schiavone and John M. Casselman.

The Green Bay Great Lakes strain muskellunge reintroduction program. Kevin L. Kapuscinski.

Characteristics of Ontario muskellunge fisheries based on volunteer angler diary information. Steven J. Kerr.

Spawning and post-spawning movements of the St. Lawrence River muskellunge (*Esox masquinongy*). Steven R. LaPan, Albert Schiavone, Rodger Klindt Robert G. Werner and John M. Farrell.

Biological characteristics of record class muskellunge populations in Georgian Bay and the North Channel, Lake Huron. A.P. Liskauskas

Diseases in muskellunge. Susan Marcquenski.

Effects of a single-hook live bait angling technique on muskellunge survival. Terry L. Margenau.

Biological characteristics of a riverine muskellunge population. Scott Morrison, Christopher O'Bara, and Joel Harrison.

The use of angler diary surveys to evaluate long-term changes in muskie populations on Lake of the Woods, Ontario. Tom Mosindy and Mark Duffy.

Quantification of native muskellunge nursery habitat in the upper St. Lawrence River: influences of fish community and habitat structure on occurrence, abundance, and production. Brent A. Murry and John M. Farrell.

Considerations in muskellunge (*Esox masquinongy*) introductions: A management dilemma? John E. Nelson, Timothy D. Simonson, and Terry L. Margenau.

Expulsion of miniature radio Transmitters along with eggs of northern pike and muskellunge a new method for locating critical spawning habitat. Rodney B. Pierce, Jerry A. Younk, and Cynthia M. Tomcko.

Factors affecting historical year-class strengths of trophy muskellunge (*Esox masquinongy*) populations. Chris J. Robinson and John M. Casselman.

Historical trends in body growth of five Ontario muskellunge (*Esox masquinongy*) populations. Chris J. Robinson and John M. Casselman.

Development of muskellunge fisheries in Lakes Monona and Wingra, Wisconsin. R. Scot Stewart, Kurt Welke, and Mike Vogelsang.

Analysis of 40 years of Lake St. Clair muskie fishing records. Michael V. Thomas and Robert Haas.

Evaluation of differences in growth, survival, and thermal selection among genetic stocks of muskellunge. Curtis P. Wagner and David H. Wahl.

Muskellunge movement in the Manitowish Chain, Vilas County, Wisconsin. Jordan G. Weeks, Michael J. Hansen and Patrick J. Schmalz.

An examination of Minnesota's muskellunge waters. Jerry A. Younk and Donald L. Pereira.