This is the first of what we hope will be regular news updates from the PERM faculty at MSU.

**Publications in Print** – fourteen publications were co-authored by PERM faculty.

**Fisheries**


**Wildlife**


Presentations – PERM faculty presented their research to state, national, & international audiences.

**Fisheries**

Wagner, C.M. Sea Lamprey, Pheromones, and the Fate of All Mankind (except for that last part). SeaGrant COSEE Great Lakes Teacher’s Workshop, 28 July 2009, Alpena, MI.

Wagner, C.M. Sea lamprey pheromones and the ecology of choice: what does the nose really know? GSO Seminar Series, Department of Fisheries & Wildlife, Michigan State University, 16 October 2009.


Bence, J.R. Summary of implementing research efforts toward improvement of lake whitefish models. 1836 Treaty Waters Modeling Subcommittee Meeting, RAM Center, Roscommon, MI, September 22, 2009.


**Wildlife**


Proposals Funded & Proposals Submitted

Funded Proposals


Scribner, K.T. Genetics research and support for wildife and regulatory programs. Wildlife Division, Michigan Department of Natural Resources.


Submitted Proposals


Infante, Brenden and Scribner. Evaluating effects of environmental features at landscape scales on connectivity of fish populations within and across Michigan streams: implications for management. Michigan DNR.


Scribner, K.T. and A. Findley. Integrated studies of climate-induced decoupling of covariation of genotype-specific traits and environmental regimes across ontogenetic states of lake sturgeon. NSF.


Workshops & Short Courses


Two short courses on using AD Model Builder (specialized estimation software widely used in fishery stock assessment) were held at MSU in August, jointly taught by Jim Bence, Travis Brenden, and Brian Irwin.

The quantitative fisheries center (QFC) continues to offer an online course in maximum likelihood estimation has an online course in resampling methods approaching release. The QFC envisions a much larger program of online courses including several certificates and a professional masters degree and has undertaken a search for an academic specialist to coordinate the program. Jim Bence is chairing this search.
Conferences and Meetings Attended

- Reproduction Reduction Task Force, Great Lakes Fishery Commission (Wagner)
- Partnership for Ecosystem Research and Management Annual Meeting
- Joint meeting of the Fisheries Division, MDNR, Biologists and Research Section (Bremigan, Hayes, Bence)
- American Fisheries Society, Nashville (Hayes)
- Michigan Chapter of North American Lake Management Society (Hayes)
- Great Lakes Threat Mapping Project workshop, Ann Arbor (Infante)
- North Hunt Symposium on Social Sustainability of Hunting Tourism in Peripheral Areas. Umeå, Sweden (Riley)
- Swedish Hunters Association and Boone & Crockett Club Meeting. Öster Malma, Sweden (Riley)
- SVEASKOG Annual Cooperation Meeting on Hunter Tourism. Misterhut, Sweden (Riley)
- Nobel Awards Ceremony for prizes in Physics, Chemistry, Medicine, Literature, and Economics. Stockholm, Sweden (Riley)
- European Union Game Monitoring Conference: Providing a knowledge basis for sustainable hunting and biodiversity conservation. Uppsala, Sweden (Riley)
- NCEAS Working Group in Landscape Genetics (Scribner)
- Association of Fish and Wildlife Agencies Conference. Austin, Texas (Burroughs)
- 1836 Treaty Waters Modeling Subcommittee Meeting. Roscommon, MI (Bence)
- Michigan Sea Grant Extension Workshop. Baraga, MI (Bence)
- Lake Superior Technical Committee. Baraga, MI (Bence)

Congratulations!

Kim Scribner is the new President of the Genetics Section of the American Fisheries Society.

PhD student Yen Doung won the 2009 James E. Wright Graduate Award. The award is made annually to the outstanding graduate student(s) in the Genetics Section of the American Fisheries Society.

Brett Alger (co-advised by Bremigan) successfully defended his MS degree. He developed a classification for lakes in a 5 state area to determine the effects of human disturbances on fish species richness. He is now working for the National Marine Fisheries Service in Gloucester, Massachusetts.

Amy Schueller (advised by Hayes) recently defended her dissertation entitled "Interactions between demograph stochasticity and genetic integrity of lake sturgeon populations." Soon after defending, Amy started work with the National Marine Fisheries Service in Beaufort, NC, as a stock assessment scientist.

Daniel Wieferich (co-advised by Hayes) successfully defended his masters thesis this fall. His research focused on the distribution and dynamics of the invasive beech scale insect. His work is the first to document the full distribution of this pest in Michigan (bad news - it is very widespread, particularly in the UP), and to describe the population dynamics in a quantitative fashion. Dan Wieferich is now working for the Infante lab in support of "Aquatic GAP Analysis Program: A search for new paradigms to guide future research."

Bret Muter (co-advised by Riley) successfully defended of his master thesis, “Risk perception, social networks, and media frames associated with human-cormorant interactions in the Great Lakes.”