

## **GREAT LAKES SEA GRANT FISHERIES RESEARCH PUBLICATIONS - 2000-2004**

*Abstracts available through the National Sea Grant Library at <http://nsgl.gso.uri.edu/cgi-bin/zgate>*

### ***Peer-Reviewed Research – Human dimensions***

- Connelly, N.A.; Brown, T.L. 2000. Options for maintaining high fishing satisfaction in situations of declining catch rates. *Human Dimensions of Wildlife* 5(1): 18-31, Spring 2000. NYSGI-R-00-003.
- Lichtkoppler, F.R.; Hushak, L. 2001. Ohio's 1998 Lake Erie charter fishing industry. *Fisheries* 26(01): 15-22, January 2001. OHSU-R-01-001.
- Connelly N.A.; Brown, T.L.; Knuth, B.A. 2000. A multiple market segmentation of Great Lakes anglers in New York. *North American Journal of Fisheries Management* 20:399-407, 2000. NYSGI-R-00-009.
- Connelly, N. A.; Brown, T.L.; Knuth, B.A. 2000. Assessing the relative importance of recall bias and nonresponse bias and adjusting for those biases in statewide angler surveys. *Human Dimensions of Wildlife* 5:19-29, 2000. NYSGI-R-00-011.
- Conover, D.O.; Munch, S.B. 2002. Sustaining fisheries yields over evolutionary time scales. *Science* 297:94-96, July 5, 2002. NYSGI-R-02-006.

### ***Peer-Reviewed Research – Contaminants and chemistry***

- Knuth, B.A.; Connelly, N.A.; Sheeshka, J.; Patterson, J. 2003. Weighing health benefit and health risk information when consuming sport-caught fish. *Risk Analysis* 23(6):1185-1197, 2003. NYSGI-R-03-008.
- Hammerschmidt, C.R.; Sandheinrich, M.B.; Wiener, J.G.; Rada, R.G. 2002. Effects of dietary methylmercury on reproduction of fathead minnows. *Environmental Science and Technology* 36(5):877-883, 2002. WISCU-R-02-001.
- Drevnick P.E.; Sandheinrich, M.B. 2003. Effects of dietary methylmercury on reproductive endocrinology of fathead minnows. *Environmental Science and Technology* 37(19):4390-4396, 2003. WISCU-R-03-010.
- Manchester-Neesvig, J.B.; Valters, K.; Sonzogni, W.C. 2001. Comparison of polybrominated diphenyl ethers (PBDEs) and polychlorinated biphenyls (PCBs) in Lake Michigan salmonids. *Environmental Science and Technology* 35(6):1072-1077, 2001. WISCU-R-01-010.
- Makarewicz, J.C.; Damaske, E.; Lewis, T.W.; Merner, M. 2003. Trend analysis reveals a recent reduction in mirex concentrations in coho ("Oncorhynchus kisutch") and chinook ("O. tshawytscha") salmon from Lake Ontario. *Environmental Science Technology* 37:1521-1527, 2003. NYSGI-R-03-003.
- Tanguay, R.L.; Andreasen, E.A.; Walker, M.K.; Peterson, R.E. 2003. Dioxin toxicity and aryl hydrocarbon receptor signaling in fish. "Dioxins and Health," second edition, Edited by A. Schecter and T.A. Gasiewicz, Chapter 15, pp. 603-628, 2003. WISCU-R-03-006.
- Norton, D.M.; McCamey, M.; Boor, K.J.; Wiedmann, M. 2000. Application of the BAX for screening/genus "Listeria" polymerase chain reaction system for monitoring "Listeria" species in cold-smoked fish and in the smoked fish processing environment. *Journal of Food Protection* 63(3):343-346, 2000. NYSGI-R-00-002.
- Norton, D.M.; Scarlett, J.M.; Horton, K.; Sue, D.; Thimothe, J.; Boor, K.J.; Wiedmann, M. 2001. Characterization and pathogenic potential of "Listeria monocytogenes," isolates from the smoked fish industry. *Applied and Environmental Microbiology* 67(2):646-653, February 2001. NYSGI-R-01-002.

Hoffman, A.D.; Wiedmann, M. 2001. Comparative evaluation of culture- and BAX polymerase chain reaction-based detection methods for "Listeria" spp. and "Listeria monocytogenes" in environmental and raw fish samples. *Journal of Food Protection* 64(10):1521-1526, 2001. NYSGI-R-01-009.

Norton, D.M.; McCamey, M.A.; Gall, K.L.; Scarlett, J.M.; Boor, K.J.; Wiedmann, M. 2001. Molecular studies on the ecology of "Listeria monocytogenes" in the smoked fish processing industry. *Applied and Environmental Microbiology* 67(1):198-205, January 2001. NYSGI-R-01-001.

Schoenfuss, H.L.; Levitt, J.T.; Van der Kraak, G.; Sorensen, P.W. 2002. Ten-week exposure to treated sewage discharge has relatively minor, variable effects on reproductive behavior and sperm production in goldfish. *Environmental Toxicology and Chemistry* 21(10):2185-2190, 2002. MINNU-R-02-004.

### ***Peer-Reviewed Research – Acoustic Technologies***

Arrhenius, F.; Benneheij, B.J.A.M.; Rudstam, L.G.; Boisclair, D. 2000. Can stationary bottom split-beam hydroacoustics be used to measure fish swimming speed in situ? *Fisheries Research* 45:31-41, 2000. NYSGI-R-00-010.

Rudstam, L.G.; Van De Valk, A.J.; Scheuerell, M.D. 2002. Comparison of acoustic and Miller high-speed sampler estimates of larval fish abundance in Oneida Lake, New York. *Fisheries Research* 57:145-154, 2002. YSGI-R-02-005.

Rudstam, L.G.; Parker, S.L.; Einhouse, D.W.; Witzel, L.D.; Warner, D.M.; Stritzel, J.L.; Parrish, D.L.; Sullivan, P.J. 2003. Application of "in situ" target-strength estimations in lakes: examples from rainbow-smelt surveys in Lakes Erie and Champlain. *ICES Journal of Marine Science* 60:500-507, 2003. NYSGI-R-03-001.

Krause, A.E.; Hayes, D.B.; Bence, J.R.; Madenjian, C.P.; Stedman, R.M. 2002. Measurement error associated with surveys of fish abundance in Lake Michigan. *Journal of Great Lakes Research* 28(1):44-51, 2002. MICHU-R-02-005.

Palmer, L.M.; Giuffrida, B.A.; Mensinger, A.F. 2003. Neural recordings from the lateral line in free-swimming toadfish, "Opsanus tau." *Biological Bulletin* 205:216-218, 2003. MINNU-R-03-005.

### ***Peer-Reviewed Research – Fish Oils***

Garcia, H.S.; Arcos, J.A.; Ward, D.J.; Hill, C.G. Jr. 2000. Synthesis of glycerides containing n-3 fatty acids and conjugated linoleic acid by solvent-free acidolysis of fish oil. *Biotechnology and Bioengineering* 70(5):587-591, December 5, 2000. WISCU-R-00-010.

Torres, C.F.; Garcia, H.S.; Ries, J.J.; Hill, C.G. Jr. 2001. Esterification of glycerol with conjugated linoleic acid and long-chain fatty acids from fish oil. *Journal of American Oil Chemists' Society* 78(11):1093-1098, November 2001. WISCU-R-01-009.

Torres, C.F.; Barrios, E.; Hill, C.G.Jr. 2002. Lipase-catalyzed acidolysis of menhaden oil with CLA: optimization by factorial design. *Journal of Oil Chemists' Society* 79(5):457-466, 2002. WISCU-R-02-007.

Torres, C.; Lin, B.; Hill, C.G.Jr. 2002. Lipase-catalyzed glycerolysis of an oil rich in eicosapentaenoic acid. *Biotechnology Letters* 24:667-673, 2002. WISCU-R-02-005.

Torres, C.F.; Lin, B.; Lessard, L.P.; Hill, C.G.Jr. 2003. Lipase-catalyzed interesterification reaction between menhaden oil and the ethyl ester of CLA: uniresponse kinetics. *Journal of American Oil Chemists Society* 80(9):873-880, 2003. WISCU-R-03-009.

Torres, C.F.; Moeljadi, M.; Hill, C.G.Jr. 2003. Lipase-catalyzed ethanolysis of fish oils: multi-response kinetics. *Biotechnology and Bioengineering* 83(3):274-281, 2003. WISCU-R-03-007.

Torres, C.F.; Lin, B.; Moeljadi, M.; Hill, C.G. Jr. 2003. Lipase-catalyzed synthesis of designer acylglycerols rich in residues of eicosapentaenoic, docosahexaenoic, conjugated linoleic, and/or stearic acids. *European Journal of Lipid Science and Technology* 105:614-623, 2003. WISCU-R-03-011.

### ***Peer-Reviewed Research –Distribution and Habitat***

Klumb, R.A.; Rudstam, L.G.; Mills, E.L.; Schneider, C.P.; Sawyko, P.M. 2003. Importance of Lake Ontario embayments and nearshore habitats as nurseries for larval fishes with emphasis on alewife ("Alosa pseudoharengus"). *Journal of Great Lakes Research* 29(1):181-198, 2003. NYSGI-R-03-006.

Schmalz, P.J.; Hansen, M.J.; Holey, M.E.; McKee, P.C.; Toney, M.L. 2002. Lake trout movements in northwestern Lake Michigan. *North American Journal of Fisheries Management* 22:737-749, 2002. WISCU-R-02-010.

Hansen M.J.; Holey, M.E. 2002. Ecological factors affecting the sustainability of Chinook and Coho salmon populations in the Great Lakes, especially Lake Michigan. "Sustaining North American Salmon: Perspectives Across Regions and Disciplines" Chapter 8, 155-180, American Fisheries Society, 2002. WISCU-R-02-015.

Wilberg, M.J.; Hansen, M.J.; Bronte, C.R. 2003. Historic and modern abundance of wild lean lake trout in Michigan waters of Lake Superior: implications for restoration goals. *North American Journal of Fisheries Management* 23:100-108, 2003. WISCU-R-03-002.

### ***Peer-Reviewed Research – Physiology***

Harvey, C.J.; Hanson, P.C.; Essington, T.E.; Brown, P.B.; Kitchell, J.F. 2002. Using bioenergetics models to predict stable isotope ratios in fishes. *Canadian Journal of Fisheries and Aquatic Sciences* 59:115-124, 2002. WISCU-R-02-002.

Pangle, K.L.; Sutton, T.M.; Brown, P.B. 2003. Evaluation of practical and natural diets for juvenile lake herring. *North American Journal of Aquaculture* 65:91-98, 2003. MICHU-R-03-001.

Johnson, R.M.; Johnson, T.M.; Londraville, R.L. 2000. Evidence for leptin expression in fishes. *Journal of Experimental Zoology* 286:718-724, 2000. OHSU-R-00-003.

Wooster, G.A.; Bowser, P.R.; Brown, S.B.; Fisher, J.P. 2000. Remediation of Cayuga Syndrome in landlocked Atlantic salmon "Salmo salar" using egg and sac-fry bath treatments of thiamine-hydrochloride. *Journal of the World Aquaculture Society*, 31(2):149-157, June 2000. NYSGI-R-00-006.

Head, A.B.; Malison, J.A. 2000. Effects of lighting spectrum and disturbance level on the growth and stress responses of yellow perch ("Perca flavescens"). *Journal of the World Aquaculture Society* 31(1):73-80, March 2000. WISCU-R-00-001.

Barry, T.P.; Unwin, M.J.; Malison, J.A.; Quinn, T.P. 2001. Free and total cortisol levels in semelparous and iteroparous chinook salmon. *Journal of the Fish Biology* 59:1673-1676, 2001. WISCU-R-01-013.

Weil, L.S.; Barry, T.P.; Malison, J.A. 2001. Fast growth in rainbow trout is correlated with a rapid decrease in post-stress cortisol concentrations. *Aquaculture* 193:373-380, 2001. WISCU-R-01-019.

Kolkovski, S.; Czesny, S.; Yackey, C.; Moreau, R.; Cihla, F.; Mahan, D.; Dabrowski, K. 2000. The effect of vitamins C and E in (n-3) highly unsaturated fatty acids-enriched "Artemia naupli" on growth, survival, and stress resistance of fresh water walleye "Stizostedion vitreum" larvae. *Aquaculture Nutrition* 6:199-206, 2000. OHSU-R-00-007.

Dabrowski, K.; Czesny, S.; Kolkovski, S.; Lynch, W.E.Jr.; Bajer, P.; Culver, D.A. 2000. Intensive culture of walleye larvae produced out of season and during regular season spawning. *North American Journal of Aquaculture* 62:219-224, 2000. OHSU-R-00-015.

Dabrowski, K.; Clereszko, A. 2001. Ascorbic acid and reproduction in fish: endocrine regulation and gamete quality. *Aquaculture Research* 32:623-638, 2001. OHSU-R-01-004.

Heyer, C.J.; Miller, T.J.; Binkowski, F.P.; Caldarone, E.M.; Rice, J.A. 2001. Maternal effects as a recruitment mechanism in Lake Michigan yellow perch ("Perca flavescens"). *Canadian Journal of Fisheries and Aquatic Sciences* 58(7):1477-1487, July 2001. WISCU-R-01-007.

### ***Peer-Reviewed Research – Genetics***

Senanan, W.; Kapuscinski, A.R. 2000. Genetic relationships among populations of northern pike ("Esox lucius"). *Canadian Journal of Fisheries and Aquatic Sciences* 57:391-404, 2000. MINNU-R-00-003.

Miller, L.M.; Kallemeyn, L.; Senanan, W. 2001. Spawning-site and natal-site fidelity by northern pike in a large lake: mark-recapture and genetic evidence. *Transactions of the American Fisheries Society* 130:307-316, 2001. MINNU-R-01-001.

Miller, L.M.; Senanan, W. 2003. A review of northern pike population genetics research and its implications for management. *North American Journal of Fisheries Management* 23:297-306, 2003. MINNU-R-03-001.

Malison, J.A.; Held, J.A.; Weil, L.S.; Kayes, T.B.; Thorgaard, G.H. 2001. Manipulation of ploidy in walleyes by heat shock and hydrostatic pressure shock. *North American Journal of Aquaculture* 63(1):17-24, January 2001. WISCU-R-01-003.

Eldridge, W.H.; Bacigalupi, M.D.; Adelman, I.R.; Miller, L.M.; Kapuscinski, A.R. 2002. Determination of relative survival of two stocked walleye populations and resident natural-origin fish by microsatellite DNA parentage assignment. *Canadian Journal of Fisheries and Aquatic Sciences* 59:282-290, 2002. MINNU-R-02-002.

Ardren, W.R.; Kapuscinski, A.R. 2003. Demographic and genetic estimates of effective population ( $N_e$ ) reveals genetic compensation in steelhead trout. *Molecular Ecology* 12:35-49, 2003. MINNU-R-03-002.

### ***Peer-Reviewed Research – Community Dynamics***

Madenjian, C.P.; Fahnenstiel, G.L.; Johengen, T.H.; Nalepa, T.F.; Vanderploeg, H.A.; Fleischer, G.W.; Schneeberger, P.J.; Benjamin, D.M.; Smith, E.B.; Bence, J.R.; Rutherford, E.S.; Lavis, D.S.; Robertson, D.M.; Jude, D.J.; Ebener, M.P. 2002. Dynamics of the Lake Michigan food web, 1970-2000. *Canadian Journal of Fisheries and Aquatic Sciences* 59:736-753, 2002. MICHU-R-02-004.

Bronte, C.R.; Ebener, M.P.; Schreiner, D.R.; DeVault, D.S.; Petzold, M.M.; Jensen, D.A.; Richards, C.; Lozano, S.J. 2003. Fish community change in Lake Superior, 1970-2000. *Canadian Journal of Fish and Aquatic Sciences* 60:1552-1574, 2003. MINNU-R-03-006.

Harvey, C.J.; Kitchell, J.F. 2000. A stable isotope evaluation of the structure and spatial heterogeneity of a Lake Superior food web. *Canadian Journal of Fisheries and Aquatic Sciences* 57(7):1395-1403, July 2000. WISCU-R-00-008.

Harvey, C.J.; Schram, S.T.; Kitchell, J.F. 2003. Trophic relationships among lean and siscowet lake trout in Lake Superior. *Transactions of the American Fisheries Society* 132:219-228, 2003. WISCU-R-03-001.

### ***Peer-Reviewed Research – Invasive Species***

Bjerselius, R.; Li, W.; Teeter, J.H.; Seelye, J.G.; Johnsen, P.B.; Maniak, P.J.; Grant, G.C.; Polkinghorne, C.N.; Sorensen, P.W. 2000. Direct behavioral evidence that unique bile acids released by larval sea lamprey ("Petromyzon marinus") function as a migratory pheromone. *Canadian Journal of Fisheries and Aquatic Sciences* 57:557-569, 2000. MINNU-R-00-002.

- Ciereszko, A.; Glogowski, J.; Dabrowski, K. 2000. Fertilization in landlocked sea lamprey: storage of gametes, optimal sperm: egg ratio, and methods of assessing fertilization success. *Journal of Fish Biology* 56:495-505, 2000. OHSU-R-00-008.
- Polkinghorne, C.N.; Olson, J.M.; Gallaher, D.G.; Sorensen, P.W. 2001. Larval sea lamprey release two unique bile acids to the water at a rate sufficient to produce detectable riverine pheromone plumes. *Fish Physiology and Biochemistry* 24:15-30, 2001. MINNU-R-01-004.
- Fullerton, A.H.; Lamberti, G.A.; Lodge, D.M.; Goetz, F.W. 2000. Potential for resource competition between Eurasian ruffe and yellow perch: growth and RNA responses in laboratory experiments. *Transactions of the American Fisheries Society*, 129:1331-1339. ILIN-R-00-002.
- Maniak, P.J.; Lossing, R.D.; Sorensen, P.W. 2000. Injured Eurasian ruffe, "*Gymnocephalus cernuus*," release an alarm pheromone that could be used to control their dispersal. *Journal of Great Lakes Research* 26(2):183-195, 2000. MINNU-R-00-006.
- Henson, F.G.; Newman, R.M. 2000. Effect of temperature on growth at ration and gastric evacuation rate of ruffe. *Transactions of the American Fisheries Society* 129:552-560, 2000. MINNU-R-00-004.
- Charlebois, P.M.; Corkum, L.D.; Jude, D.J.; Knight, C. 2001. The round goby ("*Neogobius melanostomus*") invasion: current research and future needs. *Journal of Great Lakes Research* 27(3):263-266, 2001. MICHU-R-01-011.
- Dillon A.K.; Stepien, C.A. 2001. Genetic and biogeographic relationships of the invasive round ("*Neogobius melanostomus*") and tubenose ("*Proterorhinus marmoratus*") gobies in the Great Lakes versus Eurasian populations. *Journal of Great Lakes Research* 27(3):267-280, 2001. OHSU-R-01-005.
- French, J.R.P.III; Jude, D.J. 2001. Diets and diet overlap of nonindigenous gobies and small benthic native fishes co-inhabiting the St. Clair River, Michigan. *Journal of Great Lakes Research* 27(3):300-311, 2001. MICHU-R-01-013.
- Lodge, D.M.; Taylor, C.A.; Holdich, D.M.; Skurdal, J. 2000. Nonindigenous crayfishes threaten North freshwater biodiversity: lessons from Europe. *Fisheries* 25(8):7-20, August 2000. ILIN-R-00-004.
- Lodge, D.M.; Taylor, C.A.; Holdich, D.M.; Skurdal, J. 2000. Reducing impacts of exotic crayfish introductions: new policies needed. *Fisheries* 25(8):21-23, August 2000. ILIN-R-00-003.
- Parker, S.L.; Rudstam, L.G.; Mills, E.L.; Einhouse, D.W. 2001. Retention of "*Bythotrephes*" spines in the stomachs of eastern Lake Erie rainbow smelt. *Transactions of the American Fisheries Society* 130:988-994, 2001. NYSGI-R-01-008.
- Bushnoe, T.M.; Warner, D.M.; Rudstam, L.G.; Mills, E.L. 2003. "*Cercopagis pengoi*" as a new prey item for alewife ("*Alosa pseudoharengus*") and rainbow smelt ("*Osmerus mordax*") in Lake Ontario. *Journal of Great Lakes Research* 29(2):205-212, 2003. NYSGI-R-03-007.
- Mayer, C.M.; VanDeValk, A.J.; Forney, J.L.; Rudstam, L.G.; Mills, E.L. 2000. Response of yellow perch ("*Perca flavescens*") in Oneida Lake, New York, to the establishment of zebra mussels ("*Dreissena polymorpha*"). *Canadian Journal of Fisheries and Aquatic Sciences* 57:742-754, 2000. NYSGI-R-00-001.
- Brazner, J.C.; Jensen, D.A. 2000. Zebra mussel ["*Dreissena polymorpha*" (Pallas)] colonization of rusty crayfish ["*Orconectes rusticus*" (Girard)] in Green Bay, Lake Michigan. *American Midland Naturalist* 143:250-256, 2000. MINNU-R-00-005.
- Bartsch, L.A.; Richardson, W.B.; Sandheinrich, M.B. 2003. Zebra mussels ("*Dreissena polymorpha*") limit food for larval fish ("*Pimephales promelas*") in turbulent systems: a bioenergetics analysis. *Hydrobiologia* 495:59-72, 2003. WISCU-R-03-008.

### ***Books and Technical Reports***

- Lyons, J.; Cochran, P.A.; Fago, D. 2000. Wisconsin fishes 2000: status and distribution. 87pp. WISCU-B-00-001.
- Trautman, M. (1981). The Fishes of Ohio. Columbus, OH: Ohio State University Press. 782 pp. OHSU-B-81-001.
- Holland-Bartels, L.E.; Littlejohn, S.K.; and Huston, M.L.. A Guide to Larval Fishes of the Upper Mississippi River. 113 pp.
- Hanson, P.; Johnson, T.; Schindler, D; and Kitchell, J. 1997. Fish Bioenergetics Models 3. WISCU-T-97-001.
- Lloyd, T. and Mullen, P. (1990). Lake Erie fishermen: Work, identity and tradition. Urbana, IL: University of Illinois Press. 216 pages. OHSU-B-90-001.
- Lichtkoppler, F. R., C. Pistis, and D. Kuehn. 2003. *The Great Lakes Charter Fishing Industry in 2002*. (OHSU-TS-039) Great Lakes Sea Grant Network.
- Lichtkoppler, F. R., and D. Kuehn. 2003. *New York's Great Lakes Charter Fishing Industry in 2002*. (OHSU-TS-035) Great Lakes Sea Grant Network.
- Lichtkoppler, F. R. 2003a. *Pennsylvania's Great Lakes Charter Fishing Industry in 2002*. (OHSU-TS-037) Great Lakes Sea Grant Network.
- Lichtkoppler, F. R. 2003b. *Ohio's Great Lakes Charter Fishing Industry in 2002*. (OHSU-TS-036) Great Lakes Sea Grant Network.
- Lichtkoppler, F. R. 2003c. *Illinois-Indiana's Great Lakes Charter Fishing Industry in 2002*. (OHSU-TS-032) Great Lakes Sea Grant Network.
- Lichtkoppler, F. R. 2003d. *Wisconsin's Great Lakes Charter Fishing Industry in 2002*. (OHSU-TS-038) Great Lakes Sea Grant Network.
- Lichtkoppler, F. R. 2003e. *Minnesota's Great Lakes Charter Fishing Industry in 2002*. (OHSU-TS-034) Great Lakes Sea Grant Network.
- Pistis, C., and F. R. Lichtkoppler. 2003. *Michigan's Great Lakes Charter Fishing Industry in 2002*. (OHSU-TS-033) Great Lakes Sea Grant Network. I think this is already listed in the Books & Technical Reports section with a UM SG publication number. (MICHU-I-03-003)
- Hushak L.J. 2000. Assessment of the relative economic impacts of the sport and commercial fisheries on Ohio's Lake Erie. 11pp. OHSU-T-00-002.
- TechLaw Inc. (Gall, K.). 2001. The economic contribution of the sport fishing, commercial fishing, and seafood industries to New York State. New York Sea Grant. 110p. NYSGI-T-01-001.
- Connelly, N.A.; Kuehn, D.; Brown, T. 1997. Lake Ontario Angler Satisfaction. NYSGI-G-97-002.
- Gunderson, J. and Kreag, G. 1991. Estimated Economic Impact of Recreational Fishing on Minnesota Waters of Lake Superior. 4 pp.
- Pistis, C.; and Lichtkoppler, F.R. 2003. Michigan's Great Lakes charter fishing industry in 2002. 9pp. MICHU-I-03-003.
- Wires, L.; Cuthbert, F.; Moen, S. (ed.). 2004. Minnesota fish producers report on losses to birds. 4pp. MINNU-G-04-001
- Crabtree, D.L. 2002. Coastal habitats and their significance in the early life histories of fishes in southeastern Lake Ontario. (Dissertation Abstract) 6pp. NYSGI-X-02-004.

- Mills, K.E. 2003. Fish communities of estuarine wetlands: ecological characteristics and factors influencing their composition. (Thesis Abstract) 6pp. NYSGI-X-03-001.
- Jensen, D.A.; Christensen, J.F.; Moen, S.M. (eds.). 2000. Research bibliography on Eurasian ruffe ("Gymnocephalus cernuus") (L.). MINNU-L-00-001.
- Wittman, S. 1995. Sea Grant Fisheries Bibliography. 54pp. WISCU-L-95-005.
- Gall, K. 2000. Seafood Industry HACCP Implementation Survey Report. NYSGI-S-00-001.
- Murray, C and M Shields. 2004. Creel Analysis and Economic Impact of Pennsylvania's Lake Erie Tributary Fisheries in Erie County, Pennsylvania, with Special Emphasis on Landlocked Steelhead Trout (*Oncorhynchus mykiss*). [http://sites.state.pa.us/PA\\_Exec/Fish\\_Boat/images/fisheries/research/erietribs2004/000index.htm](http://sites.state.pa.us/PA_Exec/Fish_Boat/images/fisheries/research/erietribs2004/000index.htm)

### ***Conference Proceedings/Symposia***

- Fish Tumors Related to Great Lakes Areas of Concern Conference Proceedings. Rafferty, S. 2003. Conference proceedings, January 21-22, 2003, Erie, Pennsylvania. 174pp. PENN-W-03-001
- Second Fish Tumors Related to Great Lakes Areas of Concern Conference. Rafferty, S. 2003. Conference proceedings, August 18-19, 2003, Erie, Pennsylvania. 44pp. PENN-W-03-002.
- Botulism in Lake Erie workshop proceedings. New York Sea Grant. Workshop proceedings, Buffalo, New York, February 28, 2002. NYSGI-W-02-001.
- Botulism in Lake Erie workshop proceedings. New York Sea Grant. Workshop proceedings, Buffalo, New York, April 3, 2003. NYSGI-W-03.
- Botulism in Lake Erie workshop proceedings. New York Sea Grant. Workshop proceedings, Erie Pennsylvania, March 25, 2004. NYSGI-W-04.
- Proceedings of the 4th international symposium on sturgeon: technical compendium (CD ROM). Rosenthal, H.; Bruch, R.M.; Binkowski, F.P. (eds.). 2001. Symposium abstracts and summaries, Oshkosh, Wisconsin, July 8-13, 2001. WISCU-C-01-001.
- Beyond the basics of dam removal and modification workshop. Dorworth, L.; Trgovcich-Zacok, D. (eds). 2003. Proceedings, Elgin, Illinois, June 4, 2003. 134pp. ILIN-W-03-001.
- Use of electrical barriers to deter movement of round goby. Savino, J.F.; Jude, D.J.; Kostich, M.J. 2001. American Fisheries Society Symposium 26:171-182, 2001. 12pp. MICHU-R-01-010.
- Proceedings of the 1991 Fisheries By-Products Composting Conference. Nelson, K. (ed). WISCU-W-91-001.
- Modeling the effects of nutrient concentrations on ecosystem stability: framework for a Great Lakes model. Heath, Robert T.; Sturtevant, Rochelle; Shoup, Daniel; Enflo Per. 2000. "Great Lakes Modeling Summit: Focus on Lake Erie" Appendix E, pp. 37-50, March 2000. OHSU-R-00-002.