

REFERENCES

- Allen, James. 1832. The journal of Lieutenant James Allen, expedition of 1832. U.S. House Executive Documents, No. 323, 23^d Cong., 1 Sess, pp. 7-68.
- ASCI Corporation. 1999. Summary of test results determining potential mercury, PAH and PCB bioaccumulation by *Lumbriculus variegatus* exposed to St. Louis Bay sediment samples. ASCI Corporation, Duluth, MN.
- Baker, F. C. 1918. The relation of shellfish to fish in Oneida Lake, New York. Syracuse: New York State College of Forestry at Syracuse University, Circular (21):11-34.
- Blasland Bouck and Lee, Inc. 2000. Supplemental surface water and streambed sediment investigation report for Koppers Industries, Inc. facility, Superior, WI.
- Breneman, D., C. Richards, and S. Lozano. 2000. Environmental influences on benthic community structure in a Great Lakes embayment. *J. Great Lakes Res.* 26(3):287-304.
- Bronte, C.R., L.M. Evrard, W.P. Brown, K.R. Mayo, and A.J. Edwards. 1998. Fish community changes in the St. Louis River estuary, Lake Superior, 1989-1996: Is it ruffe or population dynamics? *J. Great Lakes Res.* 24(2):309-318.
- Canham, C.D., and O.L. Loucks. 1984. Catastrophic windthrow in the presettlement forests of Wisconsin. *Ecology* 65(3):803-809.
- Carroll, L.M., and F.R. Raiter. 1990. The fires of autumn: The Cloquet-Moose Lake disaster of 1918. St. Paul: Minnesota Historical Society Press.
- Chotkowski, M.A., and J.E. Marsden. 1999. Round goby and mottled sculpin predation on lake trout eggs and fry: Field predictions from laboratory experiments. *J. Great Lakes Res.* 25(1): 26-35.
- Crane, J.L. 1999. Assessment of contaminated sediments in Slip C, Duluth Harbor, Minnesota. EPA-905-R-99-007. U.S. Environmental Protection Agency, Great Lakes National Program Office, Chicago, IL.
- Crane, J.L. 2001. Quality assurance project plan (QAPP): GIS-based contaminated sediment database for the St. Louis River Area of Concern. Environmental Outcomes Division, Minnesota Pollution Control Agency, St. Paul, MN.
- Crane, J.L., M. Schubauer-Berigan, and K. Schmude. 1997. Sediment assessment of hotspot areas in the Duluth/Superior Harbor. EPA-905-R97-020. U.S. Environmental Protection Agency, Great Lakes National Program Office, Chicago, IL.

- Crane, J.L., D.D. MacDonald, C.G. Ingersoll, D.E. Smorong, R.A. Lindskoog, C.G. Severn, T.A. Berger, and L.J. Field. 2000. Development of a framework for evaluating numerical sediment quality targets and sediment contamination in the St. Louis River Area of Concern. EPA 905-R-00-008. U.S. Environmental Protection Agency, Great Lakes National Program Office, Chicago, IL.
- Crane, J.L., D.E. Smorong, D.A. Pillard, and D.D. MacDonald. 2002. Sediment remediation scoping project in Minnesota Slip, Duluth Harbor. EPA-905-R97-020. U.S. Environmental Protection Agency, Great Lakes National Program Office, Chicago, IL.
- Dahl, T.E. 1990. Wetlands losses in the United States 1780s to 1980s. U.S. Fish and Wildlife Service, Washington, DC
- Davis, T.E., G.J. Niemi, J. Kotar, and P.B. Hofslund. 1978. Assessment of habitat types and bird populations in the lower St. Louis River, Phase II. Report to the Metropolitan Interstate Committee, Duluth, MN.
- DeVore, Philip W. 1978. Fishery resources of the Superior-Duluth estuary. Center for Lake Superior Environmental Studies, University of Wisconsin, Superior.
- Duluth Seaway Port Authority. 2002. Port Facts. Accessed May 2002 from World Wide Web site <http://www.duluthport.com/seawayfactsus.html>.
- Eggers, S. D., and D. M. Reed. 1997. Wetland plants and plant communities of Minnesota and Wisconsin. U.S. Army Corps of Engineers, St. Paul MN.
- Epstein, Eric J., Emmet J. Judziewicz, and William A. Smith. 1997. Priority wetland sites of Wisconsin's Lake Superior Basin: An excerpt from Wisconsin's Lake Superior Coastal Wetlands Evaluation. Report to the Great Lakes National Program Office of the U.S. Environmental Protection Agency. Wisconsin's Natural Heritage Inventory Program, Bureau of Endangered Resources, Department of Natural Resources, Madison, WI.
- Farrand, W. R., and C.W. Drexler. 1985. Late Wisconsinan and Holocene history of the Lake Superior Basin. Pages 17-32 in *Quaternary Evolution of the Great Lakes*, P.F. Karrow and P.E. Calkin, eds. Geological Association of Canada Special Paper 30.
- Finley, Robert W. 1976. Original vegetation cover of Wisconsin. Cartographic Laboratory, University of Wisconsin, Madison, WI.
- Frelich, L.E. 1999. Range of natural variability in forest structure for the Northern Superior Uplands. Report to the Minnesota Forest Resources Council. Department of Forest Resources, University of Minnesota, Minneapolis MN.
- Frelich, L.E., and C.G. Lorimer. 1991. Natural disturbance regimes in hemlock-hardwood forests of the Upper Great Lakes region. *Ecological Monographs* 61(2):145-164.

- Fritzen, John. 1978. The history of Fond du Lac and Jay Cooke State Park. St. Louis County Historical Society, Duluth, MN.
- Galatowitsch, S.M., N.O. Anderson, and P.D. Ascher. 1999. Invasiveness in wetland plants in temperate North America. *Wetlands* 19(4):733-755.
- Gibbs, J.P., F.A. Reid, and S.M. Melvin. 1992. Least bittern (*Ixobrychus exilis*). In *The Birds of North America*, A. Poole, P. Stettenheim, and F. Gill, eds. (No. 17.) Academy of Natural Sciences, Philadelphia, and American Ornithologists' Union, Washington, DC
- Hale, Cindy M., Lee E. Frelich, and Peter B. Reich. 2002. Impacts of invading European earthworms on understory plant communities in previously worm-free hardwood forests of Minnesota. In preparation.
- Haufler, J.B., C.A. Mehl, and G.J. Roloff. 1996. Using a coarse-filter approach with species assessment for ecosystem management. *Wildlife Society Bulletin* 24(2):200-208.
- Hawrot, R.Y., and F.J. Nicoletti. 1999. Migratory and breeding bird population assessment document: Minnesota Point Protection M-22. In *Minnesota Point environmental management plan*, Park Point Community Club, Duluth, MN.
- Heinselman, M.L. 1973. Fire in the virgin forests of the Boundary Waters Canoe Area, Minnesota. *Quaternary Research* 3:329-382.
- Henson, F.G., and R. Newman. 2000. Effect of temperature on growth at ration and gastric evacuation rate of ruffe. *Trans. Am. Fish. Soc.* 129:552-560.
- Herkert, J. R., ed. 1992. Endangered and threatened species of Illinois: Status and distribution. Vol. 2: Animals. Illinois Endangered Species Protection Board, Springfield, IL.
- Howarth, F.G., and G.W. Ramsey. 1991. The conservation of island insects and their habitat. Pages 71-107 in *Conservation of insects and their habitats*, N.M. Collins and J.A. Thomas, eds. London: Academy Press.
- IJC (International Joint Commission). 1989. Great Lakes Water Quality Agreement of 1978 (as amended by Protocol signed November 18, 1987). IJC, Windsor, ON.
- IT Corp. (International Technology Corporation). 1997. Remedial investigation data report, sediment operable unit, St. Louis River/Interlake/Duluth Tar site. Volume 1. Prepared for the Interlake Corporation, Lisle, IL, by IT Corp., St. Paul, MN.
- Kellner D K., T. Kroska, and K. Plass. 1999. Historic reconstruction of property ownership and land uses along the Lower St. Louis River. St. Louis River Citizens Action Committee, Duluth, MN.

- Kelly, J.R., J.A. Morrice, A.M. Cotter, M.L. Knuth, A.S. Trebitz, and R.L. Anderson. 1999. A new type of "lake effect"? Seiche-driven nutrient input to a coastal Great Lake ecosystem. ASLO Aquatic Sciences Meeting, Santa Fe, NM, February 1-5, 1999.
- King, P. 1999. Lake Superior/Duluth-Superior Harbor toxics loading study. Environmental Outcomes Division, Minnesota Pollution Control Agency, St. Paul, MN.
- Kraft, C. 1993. Early detection of the zebra mussel (*Dreissena polymorpha*). Pages 705-714 in Zebra mussels: Biology, impacts, and control, T.F. Nalepa and D.W. Schloesser, eds. Boca Raton, FL: CRC Press, Inc.
- Kruger, S., and R. Mishaga. 1996. A combined coarse-filter, fine-filter approach to implementing ecosystem management at the U.S. Army's Yakima Training Center in central Washington. Bulletin of the Ecological Society of America 77 (3 SUPPL. PART 2):245. Annual Combined Meeting of the Ecological Society of America on Ecologists/Biologists as Problem Solvers, Providence, Rhode Island, USA, August 10-14, 1996.
- Landmesser, C. W., and T.C. Johnson. 1982. Seismic reflection study of recessional moraines beneath Lake Superior and their relationship to regional deglaciation. Quaternary Research 17:173-190.
- Lindgren, J.R., P.W. Ongstad, and J.R. Spurrier. 1997. The St. Louis bay fishery, 1986-1994. Minnesota Department of Natural Resources, Division of Fisheries, Study 4 Report, Job 422, St. Paul, MN.
- Lodge, D.M., and J.G. Lorman. 1987. Reductions in submerged macrophyte biomass and species richness by the crayfish *Orconectes rusticus*. Can. J. Fish. Aquat. Sci. 44:591-597.
- Lusignan, Paul R. 1983. Superior intensive survey report. City of Superior Community Development Office, Superior, WI.
- Marschner, Francis J. 1974. The original vegetation of Minnesota. North Central Forest Experiment Station, Forest Service, U.S. Dept. of Agriculture, St. Paul, MN.
- Mayo, K.R., J.H. Selgeby, and M.E. McDonald. 1998. A bioenergetics modeling evaluation of top-down control of ruffe in the St. Louis River, western Lake Superior. J. Great Lakes Res. 24(2):329-342.
- MDH (Minnesota Department of Health). 2002. Minnesota fish consumption advisory. Health Risk Assessment Unit, Minnesota Department of Health, St. Paul, MN.
- MIC (Metropolitan Interstate Committee). 1985. Superior-Duluth Harbor natural resources management program. Arrowhead Regional Development Commission, Duluth, MN.
- Mills, E.L., J.H. Leach, J.T. Carlton, and C.L. Secor. 1993. Exotic species in the Great Lakes: A history of biotic crises and anthropogenic introductions. J. Great Lakes Res. 19:1-54.

- MPCA and WDNR. 1992. The St. Louis River System remedial action plan: Stage One. Minnesota Pollution Control Agency, St. Paul, MN, and Wisconsin Department of Natural Resources, Madison, WI.
- MPCA and WDNR. 1995. The St. Louis River System remedial action plan: Stage Two. Minnesota Pollution Control Agency, St. Paul, MN, and Wisconsin Department of Natural Resources, Madison, WI.
- NatureServe. 2001. International classification of ecological communities: Terrestrial vegetation. Natural Heritage Central Databases. Arlington, VA: NatureServe.
- NatureServe Explorer. 1999. An online encyclopedia of life. Version 1.6. Accessed July 1999 from World Wide Web site <http://www.natureserve.org/explorer>.
- Nichols, S.J., J. French III, G. Kennedy, G. Black, J. Allen, E. Crawford, M. Blouin, J. Hickey, S. Chernyak, R. Haas, and M. Thomas. 2002. Threats to recovery of lake sturgeon (*Acipenser fulvescens*) in the lower St. Clair River. *J. Great Lakes Res.* (Accepted - In press).
- Niemi, G.J., T.E. Davis, and P.B. Hofslund. 1979. Distribution of habitats and birds in the St. Louis River Estuary, Minnesota and Wisconsin. Report to the U. S. Fish and Wildlife Service, St. Paul, MN.
- Niemi, G.J., J. Solin, D. Watters, and P. Wolter. 2000. A report on breeding bird inventory of the St. Louis River, Minnesota and Wisconsin, 1999, to The Nature Conservancy. Natural Resources Research Institute, University of Minnesota-Duluth, Duluth, MN.
- Noss, R.F., and A.Y. Cooperrider. 1994. Saving nature's legacy: Protecting and restoring biodiversity. Washington, DC: Island Press.
- NRCS (Natural Resources Conservation Service). 1988. Erosion and sedimentation in the Nemadji River Basin: Nemadji River Basin final report. U.S. Forest Service, Natural Resources Conservation Service, Duluth, MN.
- Nute, Grace Lee. 1944. Lake Superior, a volume in the American Lakes Series. Indianapolis and New York: The Bobbs-Merrill Company Publishers.
- Ojakangas, R. W., and C.L. Matsch. 1982. Minnesota's geology. Minneapolis, MN: University of Minnesota Press.
- Olsen, T.M., D.M. Lodge, G.M. Capelli, and R.J. Houlihan. 1991. Mechanisms of impact of an introduced crayfish (*Orconectes rusticus*) on littoral congeners, snails, and macrophytes. *Can. J. Fish. Aquat. Sci.* 48(10):1853-1861.
- Panzer, R., and M.W. Schwartz. 1998. Effectiveness of a vegetation-based approach to insect conservation. *Conservation-Biology* 12(3):693-702.

- Park Point Community Club. 1999. Minnesota Point environmental management plan. Park Point Community Club, Duluth, MN.
- Pearson, S. 1999. St. Louis River Estuary colonial bird program 1999. Prepared for MN DNR. Department of Natural Resources, Brule, WI.
- Penning, W.L., and F.J. Cuthbert. 1993. The history of colonial waterbird management in the Duluth-Superior Harbor 1937-1990. *Loon* 65(4):163-174.
- Persaud, D., R. Jaagumagi, and A. Hayton. 1993. Guidelines for the protection and management of aquatic sediment quality in Ontario. Standards Development Branch, Ontario Ministry of Environment and Energy, Toronto, ON.
- Peterjohn, B.G., and J.R. Sauer. 1997. Population trends of black terns from the North American Breeding Bird Survey, 1966-1996. *Colonial-Waterbirds* 20(3):566-573.
- Phillips, G.L., W.D. Schmid, and J.C. Underhill. 1982. Fishes of the Minnesota region. Minneapolis, MN: University of Minnesota Press.
- Prater, B., and M. Anderson. 1977. A 96-hour sediment bioassay of Duluth and Superior Harbor basins (Minnesota) using *Hexagenia limbata*, *Asellus communis*, *Daphnia magna*, and *Pimephales promelas* as test organisms. *Bull. Environ. Contam. Toxicol.* 18:159-169.
- Redman, S., and T. Janisch. 1995. Newton Creek system sediment contamination site characterization report. Sediment Management and Remediation Techniques Program, Wisconsin Department of Natural Resources, Madison, WI.
- Ricciardi, A., and H. MacIsaac, 2000. Recent mass invasion of the North American Great Lakes by Ponto-Caspian species. *Trends in Ecology and Evolution* 15:62-65.
- Russell, R. 1983. The piping plover in the Great Lakes region. *American Birds* 37:951-955.
- Saltonstall, K. 2002. Cryptic invasion by a non-native genotype of the common reed, *Phragmites australis*, into North America. *Proceedings of the National Academy of Sciences of the United States of America*. [print] February 19, 2002; 99(4):2445-2449.
- Sauer, J.R., and S. Droege. 1992. Geographical patterns in population trends of neotropical migrants in North America. Pages 26-42 in *Ecology and Conservation of Neotropical Migrant Landbirds*, J.M. Hagan, III and D.W. Johnston, eds. Washington, DC: Smithsonian Institution Press.
- Sauer, J.R., J.E. Hines, I. Thomas, J. Fallon, and G. Gough. 2000. The North American breeding bird survey, results and analysis 1966 - 1999. Version 98.1. USGS Patuxent Wildlife Research Center, Laurel, MD. Accessed January 2002 from World Wide Web site <http://www.mbr-pwrc.usgs.gov/bbs/bbs99.html>.

- Sauer, J.R., J.E. Hines, and J. Fallon. 2001. The North American breeding bird survey, results and analysis 1966 - 2000. Version 2001.2. USGS Patuxent Wildlife Research Center, Laurel, MD. Accessed January 2002 from World Wide Web site <http://www.mbr-pwrc.usgs.gov/bbs/bbs.html>.
- Schoolcraft, Henry R. 1855. Summary narrative of an exploratory expedition to the source of the Mississippi River in 1820, resumed and completed by the discovery of its origin in Itasca Lake in 1832. Philadelphia: Lippincott, Grambo & Co.
- Schram, S.T., J.R. Lindgren, and L.M. Evrard. 1999. Reintroduction of lake sturgeon in the St. Louis River, western Lake Superior. *North Am. J. Fisheries Management* 19:815-823.
- Schubauer-Berigan, M., and J.L. Crane. 1996. Preliminary contaminant assessment of the Thomson, Forbay, and Fond du Lac reservoirs. Water Quality Division, Minnesota Pollution Control Agency, St. Paul, MN.
- Schubauer-Berigan, M., and J.L. Crane. 1997. Survey of sediment quality in the Duluth/Superior Harbor: 1993 sampling results. EPA 905-R97-005. U.S. Environmental Protection Agency, Great Lakes National Program Office, Chicago, IL.
- Schueler, T. 1987. Controlling urban runoff: a practical manual for planning and designing urban best management practices. Metropolitan Washington Council of Governments, Washington DC.
- Schuldt, J.A., C. Richards, J. Gangl, and R.M. Newman. In prep. Effects of Eurasian ruffe on fish food resources in mesocosms.
- SEH (Short Elliot Hendrickson). 1994. Site investigation report and closure plan, prepared for Fraser Shipyards, Inc., Superior WI, by SEH, Chippewa Falls, WI.
- Selgeby, J. 1998. Predation by ruffe (*Gymnocephalus cernuus*) on fish eggs in Lake Superior. *J. Great Lakes. Res.* 24(2):304-308.
- Snetsinger, S.D. 2000. Land cover change in the Great Lakes region: from pre-European settlement to present. M.S. Thesis, University of Wisconsin, Madison. 113 pp.
- Snetsinger, S., and S. Ventura. 2000. Land cover change in the Great Lakes region from mid-nineteenth century to present. Great Lakes Ecological Assessment. Accessed January 2002 from World Wide Web site <http://www.ncrs.fs.fed.us/gla/>.
- Stearns, F.W. 1949. Ninety years of change in a northern hardwood forest in Wisconsin. *Ecology* 30(3):350-358.
- TNC (The Nature Conservancy). 2000. The 5-S framework for site conservation: A practitioner's handbook for site conservation planning and measuring conservation success. Arlington, VA: The Nature Conservancy.

- U.S. ACOE (Army Corps of Engineers). 1987. Great Lakes water level facts. Detroit District, U.S. Army Corps of Engineers, Detroit, MI.
- U.S. ACOE (Army Corps of Engineers). 1997. Phase II report. Draft dredged material management plan study and environmental impact statement. Detroit District, U.S. Army Corps of Engineers, Detroit, MI.
- U.S. EPA (Environmental Protection Agency). 1983. Final report: Results of the nationwide urban runoff project. U.S. Environmental Protection Agency, Washington DC.
- U.S. FWS (Fish and Wildlife Service). 2001. Endangered and threatened wildlife and plants: Final determination of critical habitat for the Great Lakes breeding population of the piping plover. Federal Register 66, no. 88, (7 May 2001): 22938-22969.
- Verry E. S., J. S. Lewis, and K. N. Brooks. 1983. Aspen clearcutting increases snowmelt and storm flow peaks in north central Minnesota. *Water Resources Bulletin* 19(1):59-67.
- Verry, E. S. 1986. Forest harvesting and water: the Lake States experience. *Water Resources Bulletin* 22(6):1039-1047.
- Walker, D.A., and S.P. Hall. 1976. Duluth-Superior Harbor cultural resources study. Archeology Department, Minnesota Historical Society, St. Paul, MN.
- WDNR (Wisconsin Department of Natural Resources). 2002. Hook into healthy fish. PUB-FH-505. Wisconsin Department of Natural Resources, Madison, WI.
- Whitney, G.G. 1986. Relation of Michigan's presettlement pine forests to substrate and disturbance history. *Ecology* 67(6):1548-1559.
- Zhuikov, M. 1999. Great Salt Lake Superior? Global warming's impacts predicted. *Seiche* newsletter, April. University of Minnesota, Minnesota Sea Grant Program, Duluth, MN.