

DANIEL J. HORNBACH

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EDUCATION: Ph.D.: Miami University, Oxford, Ohio. 1980. Major Zoology.
M.S.: University of Dayton, Dayton, Ohio. 1976. Major: Biology.
B.S.: University of Dayton, Dayton, Ohio. 1974. Major: Biology.

ACADEMIC EXPERIENCE:

- Faculty member, Department of Biology, Macalester College. Assistant Professor: September 1984 - August 1987; Associate Professor: September 1987 - August 1993; Full Professor: September 1993 - December 1997; DeWitt Wallace Professor: January 1998 – PRESENT
- Associate Editor, American Midland Naturalist. September 1995-2001.
- Assistant Professor, Department of Biology, University of Virginia. September 1980 - May 1984.
- Faculty, Mountain Lake Biological Station, University of Virginia. Summers of 1981, 1982, and 1984.

ADMINISTRATIVE EXPERIENCE:

- Environmental Studies Department, Chair, June 2006 - present
- **Dean of the Faculty and Provost, Macalester College. June 1999-July 2005.**
- Biology Department Chair. September 1996 - 1999.
- **Provost, Macalester College. August 1993 - August 1995.**
- Faculty Development Coordinator for the Science Division, Macalester College. Aid faculty in investigating and obtaining grant support for research and curriculum development. September 1988 - August 1993.
- Director, Katherine Ordway Natural History Study Area. Oversee the development of research projects, prairie restoration, and the educational use of this 285-acre area owned by Macalester College. September 1986- September 1998.
- Other relevant administrative experience: I have chaired the following elected committees as a faculty member at Macalester - Personnel Committee, Faculty Advisory Council and Long Range Planning and Budget Committees, and been a member of the Resources and Planning Committee. I have also served as a PKAL consultant for planning building projects and have served as a reviewer for a number of Biology and Environmental Studies departments.

HONORS AND AWARDS:

- Thomas Jefferson Service Award, Macalester College, March 2011.
- American Fisheries Society, MN Chapter, Best Poster Award, 38th Annual Meeting, March 2005.
- The Sir Charles Maurice Yonge Award, Malacological Society of London for a paper on Bivalvia that has made a significant contribution to the knowledge of this group (J. Moll. Stud. 67: 407-416 with S. M Baker). 2002.
- Named DeWitt Wallace Professor of Biology. November 1997.
- MN Governor's Certificate of Commendation for participation in the Zebra Mussel Task Force Partnership nominated for the MN Cooperative Public Service Award. 1994.
- Alumni Special Achievement Award - University of Dayton. October 1994.
- Blandin Faculty Fellowship Program. September 1990.

PROFESSIONAL AFFILIATIONS:

- American Institute of Biological Sciences
- American Malacological Union
- Association for Environmental Studies and Sciences
- Council for Environmental Deans and Directors
- Council on Undergraduate Research
- Ecological Society of America
- Freshwater Mollusk Conservation Society
- Malacological Society of London
- North American Benthological Society
- Higgins Eye Pearlymussel Recovery Team (USFWS)

GRANTS (HORNBAACH AS PI OR CO-PI):

- NSF ILIP Grant (1987) - \$35,546
- NSF ILIP Grant (1988) - \$83,000
- US Army Corps of Engineers (1987-1990)- \$72,000
- Blandin Foundation (1990-91) - \$10,000
- Minnesota Dept. Natural Resources (1990-91) \$3000
- Minnesota Dept. Natural Resources (1992-93) \$3000
- Wisconsin Dept. Natural Resources (1992) \$20,000
- US National Park Service (1993-1996) - \$63,000
- US Environmental Protection Agency (1992-1996) \$505,000
- US Fish & Wildlife Service (1994-1995) - \$34,000
- Army Corps of Engineers (1996) - \$5000
- National Park Service (1997) - \$6000
- Wisconsin Dept. Natural Resources (1997-98) \$6,000
- Legislative Commission on MN Resources (1997-98) - \$9400
- National Park Service (1998) - \$4000
- Legislative Commission on MN Resources (1999-2001) - \$58,000
- National Park Service (2000-2002) - \$40,900

- National Park Service (2001-2004) - \$60,000
 - National Park Service (2004-2007) - \$214,000
 - National Park Service (2008-2010) - \$149,100
 - National Park Service (2009-2011) - \$50,000
 - National Park Service (2009-2010) - \$55,535
 - Mellon Foundation (2007-2009) - \$300,000*
 - NSF Field Station Planning Grant (2009-2010) - \$24,575
 - National Park Service (2010-2011) - \$24,300
- *Grant to start the 3 Rivers Center at Macalester College

SELECTED RECENT PRESENTATIONS – LAST 5 YEARS:

- The 54th Meeting of the North American Benthological Society, Anchorage, AK, June 2006.
- The St. Croix River Research Rendezvous, Sci. Museum of MN. 2006
- The 16th International Malacological Congress, Antwerp, Belgium. July 2007
- The 56th Meeting of the North American Benthological Society, Salt Lake City, UT, 2008.
- The St. Croix River Research Rendezvous, Sci. Museum of MN. 2008
- National Council for Science and the Environment, Washington, DC. Dec. 2008.
- The 6th Biennial Meeting, Freshwater Mollusk Conservation Society, Baltimore, MD. 2009.
- The 57th Meeting of the North American Benthological Society. Grand Rapids, MI. 2009.
- The St. Croix River Research Rendezvous, Sci. Museum of MN. 2009
- The American Association for Environmental Studies and Sciences, Madison, WI Oct 2009
- The American Society of Limnology and Oceanography/ North American Benthological Society Joint Meeting, Santa Fe, NM, 2010
- The St. Croix River Research Rendezvous, Sci. Museum of MN. 2010
- The 7th Biennial Meeting, Freshwater Mollusk Conservation Society, Louisville, KY. 2011.

PUBLICATIONS – REFERRED PAPERS

- Hornbach, D. J. and R. Fitz. 1977. A qualitative model of the quality of rangeland in the sahelian ecosystem. pp 199-228. In F.H. Branin and K. Huseyin (ed.) Problem Analysis in Science and Engineering. Academic Press, New York.
- Burky, A. J. and D. Hornbach. 1979. comparison of carbon and nitrogen content of infected and uninfected snails, *Succinea ovalis*, and the trematode *Leucochloridium variae*. Journal of Parasitology 65:371-374.
- Burky, A. J., M. A. Benjamin, D. M. Catalano and D. J. Hornbach. 1979. The ratio of calcareous and organic shell components of freshwater sphaeriid clams in relation to water hardness and trophic conditions. Journal of Molluscan Studies 45:312-321.
- Hornbach, D. J., C. M. Way and A. J. Burky. 1980. Reproductive strategies in the freshwater sphaeriid clam, *Musculium partumeium* (Say), from a permanent and a temporary pond. Oecologia (Berlin) 44:164-170.
- Hornbach, D. J., M. J. McLeod and S. I. Guttman. 1980. On the validity of the genus *Musculium* (Bivalvia: Sphaeriidae): Electrophoretic evidence. Canadian Journal of Zoology 58:1703-1707.

- Hornbach, D. J., M. J. McLeod, S. I. Guttman and S. K. Seilkop. 1980. Genetic and morphological variation in the freshwater clam, *Sphaerium* (Bivalvia: Sphaeriidae). *Journal of Molluscan Studies* 46:158-170.
- Way, C. M., D. J. Hornbach and A. J. Burky. 1980. Comparative life history tactics of the sphaeriid clam, *Musculium partumeium* (Say), from a permanent and a temporary pond. *American Midland Naturalist* 104:319-327.
- Burky, A. J., D. J. Hornbach and C. M. Way. 1981. Growth of *Pisidium casertanum* (Poli) in West Central Ohio. *Ohio Journal of Science* 81:41-44.
- Way, C. M., D. J. Hornbach and A. J. Burky. 1981. Seasonal metabolism of the sphaeriid clam, *Musculium partumeium* (Say), from a permanent and a temporary pond. *Nautilus* 95:55-58.
- McLeod, M. J., D. J. Hornbach, S. I. Guttman, C. M. Way and A. J. Burky. 1981. Environmental heterogeneity, genetic polymorphism and reproductive strategies. *American Naturalist* 118:129-134.
- Hornbach, D. J., T. E. Wissing and A. J. Burky. 1982. Life-history characteristics of a stream population of the freshwater clam, *Sphaerium striatinum* Lamarck (Bivalvia: Pisidiidae). *Canadian Journal of Zoology* 60:249-260.
- Wissing, T. E., D. J. Hornbach, M. Smith, C. M. Way and J. Alexander. 1982. Caloric contents of Corbiculacean clams (Bivalvia: Heterodonta) from freshwater habitats in the United States and Canada. *Journal of Molluscan Studies* 49:80-83.
- Hornbach, D. J., T. E. Wissing and A. J. Burky. 1983. Seasonal variations in the metabolic rates and Q_{10} -values of the fingernail clam, *Sphaerium striatinum* Lamarck. *Comparative Biochemistry and Physiology* 76A:783-790.
- Hornbach, D. J., C. M. Way, T. E. Wissing, and A. J. Burky. 1984. Effects of particle concentration and season on the filtration rates of the freshwater clam, *Sphaerium striatinum* Lamarck (Bivalvia: Pisidiidae) and their role in the nutrient dynamics of a woodland stream. *Hydrobiologia* 108:83-96.
- Hornbach, D. J., T. E. Wissing and A. J. Burky. 1984. Energy budget for a stream population of the freshwater clam, *Sphaerium striatinum* Lamarck. (Bivalvia: Pisidiidae). *Canadian Journal of Zoology* 62:2410-2417.
- Burky, A. J., D. J. Hornbach and C. M. Way. 1985. Comparative bioenergetics of permanent and temporary pond populations of the freshwater clam, *Musculium partumeium* (Say). *Hydrobiologia* 126:35-48.
- Hornbach, D. J. 1985. A review of metabolism in the Pisidiidae with new data on its relationship with life history traits in *Pisidium casertanum*. *American Malacological Bulletin* 3:187-200.

- Hornbach, D. J. and D. L. Childers*. 1986. Life-history variation in a stream population of *Musculium partumeium* (Bivalvia: Pisidiidae). *Journal of the North American Benthological Society* 5: 263-271.
- Hornbach, D. J. and D. L. Childers*. 1987. The effects of acidification on life-history traits of the freshwater clam, *Musculium partumeium* (Say), 1822 (Bivalvia: Pisidiidae). *Canadian Journal of Zoology* 65: 113-121.
- Hornbach, D. J. and C. Cox*. 1987. Environmental influences on life history traits in *Pisidium casertanum* (Bivalvia: Pisidiidae): Field and laboratory experimentation. *American Malacological Bulletin* 5: 49-64.
- Way, C.M. D.J. Hornbach, T. Deneka* and R.A. Whitehead. 1989. A description of the ultrastructure of the gills of freshwater bivalves, including a new structure, the frontal cirrus. *Canadian Journal of Zoology* 67: 357-362.
- Hornbach, D.J., T. Deneka*, B.S. Payne and A.C. Miller. 1989. Benthic macroinvertebrate community structure in a backwater lake of Pool 2, Upper Mississippi River. *Journal of Freshwater Ecology* 5: 131-138.
- Miller, A.C., B.S. Payne, D.J. Hornbach and D.V. Ragland. 1990. Physical effects of increased commercial navigation traffic on freshwater mussels in the Upper Mississippi River: Phase I Studies. Technical Report EL-90-3. National Technical Information Service: Springfield, VA. 116 pp.
- Way, C.M., D.J. Hornbach, C.A. Miller-Way, B.S. Payne and A.C. Miller. 1990. Dynamics of filter feeding in *Corbicula fluminea* (Bivalvia: Corbiculidae). *Canadian Journal of Zoology* 68: 115-120.
- Hornbach, D.J., T. Deneka*, A. C. Miller and B. S Payne. 1991. Variations in the rate of sediment accumulation in a backwater lake, Pool 2, Mississippi River. *Journal of Freshwater Ecology* 6: 53-60.
- Hornbach, D.J., T. Wilcox*, L. Powers*, J. Layne* and T. Davis*. 1991. A method for assessing clearance rates in suspension-feeding organisms using a fiber-optic colorimeter. *Canadian Journal of Zoology* 69:2703-2706.
- Wilcox, T.* and D.J. Hornbach. 1991. Macroinvertebrate community response to carp (*Cyprinus carpio* L.) foraging. *Journal of Freshwater Ecology* 6: 171-183.
- Hornbach, D.J., T. Deneka* and R. Dado*. 1991. Life-cycle variation of *Musculium partumeium* (Bivalvia; Sphaeriidae) from a temporary and a permanent pond in Minnesota. *Canadian Journal of Zoology* 69: 2738-2744.
- Hornbach, D.J. 1991. The influence of oxygen availability on oxygen consumption in the freshwater clam *Musculium partumeium*. *American Malacological Bulletin* 9: 39-42.

- Hornbach, D.J. 1991. Life history traits of a riverine population of the Asian clam *Corbicula fluminea*. *American Midland Naturalist* 127:248-257.
- Hornbach, D.J. 1991. The influence of acclimatization, temperature and size on the oxygen consumption of the freshwater clam, *Musculium partumeium* (Say). *Comparative Biochemistry and Physiology* 101A: 345-349..
- Hornbach, D.J., A.C. Miller and B.S. Payne. 1992. Species composition of the mussel assemblages in the upper Mississippi river. *Malacological Review* 25: 119-128..
- Hornbach, D.J., T. Deneka*, M. Hu*, B.S. Payne and A. C. Miller. 1993. Temporal and spatial variability in midge assemblages from a backwater lake in Pool 2, Mississippi River. *Hydrobiologia* 252: 133-141.
- Baker, P., S. Jennings and D.J. Hornbach. 1995. Can zebra mussels force a species to extinction? *Dreissena* 6(5): 1-4.
- Hornbach, D.J., T. Deneka, B.S. Payne and A.C. Miller. 1996. Shell morphometry and tissue condition of *Amblema plicata* in the upper Mississippi River. *Journal Freshwater Ecology* 11: 233-240.
- Hornbach, D.J., J.G. March*, T. Deneka*, N.H. Troelstrup and J.A. Perry. 1996. Factors influencing the distribution and abundance of the endangered winged mapleleaf mussel, *Quadrula fragosa* in the St. Croix River, Minnesota and Wisconsin. *American Midland Naturalist* 136: 278-286.
- Hornbach, D.J. and T. Deneka. 1996. A comparison of a qualitative and a quantitative collection method for examining freshwater mussel assemblages. *Journal of North American Benthological Society* 15: 587-596.
- Baker, S. and D.J. Hornbach. 1997. Acute physiological effects of zebra mussel (*Dreissena polymorpha*) infestation on two unionid mussels, *Actinonaias ligamentina* and *Amblema plicata*. *Canadian Journal of Fisheries and Aquatic Sciences* 54: 512-597.
- Tyrrell*, M. And D.J. Hornbach. 1998. Selective predation by muskrats on freshwater mussels in 2 Minnesota rivers. *Journal of North American Benthological Society* 17: 301-310.
- Baker, S. and D.J. Hornbach. 2000. Physiological status and biochemical composition of a natural population of unionid mussels (*Amblema plicata*) infested by zebra mussels (*Dreissena polymorpha*). *American Midland Naturalist* 143: 443-452.

- Hornbach, D.J. 2001. Macrohabitat factors influencing the distribution and abundance of najads in the St. Croix River, MN and WI, USA, pp. 213-230. *In* G. Bauer and W. Wachtler [eds] Ecology and Evolutionary Biology of the Freshwater Mussels Unionoidea. Ecological Studies Vol. 145. Springer-Verlag: Berlin.
- Baker, S. and D.J. Hornbach. 2001. Seasonal metabolism and biochemical composition of two unionid mussels, *Actinonaias ligamentia* and *Amblema plicata*. *Journal of Molluscan Studies* 67: 407-416.
- Cope, W.G., M.C. Hove, D.L. Waller, D.J. Hornbach, M.R. Bartsch, L.A. Cunningham*, H.L. Dunn and A.R. Kapuscinski. 2003. Evaluation of relocation of unionid mussels to *in situ* refugia. *Journal of Molluscan Studies* 69: 27-34.
- Beekey, MA and D.J. Hornbach. 2004. The effect of size-limited brood size in a freshwater bivalve. *American Midland Naturalist* 151: 274-285.
- Allen,* D.C., M.C. Hove, B.E. Sietman, Mike Davis, D.E. Kelner, Jennifer E. Kurth, Jeffrey L. Weiss, and D.J. Hornbach. 2007. Aspects of reproductive biology and conservation status of *Venustaconcha ellipsiformis* (Bivalvia: Unionidae) in Minnesota. *American Midland Naturalist* 157: 74-91.
- Hornbach, D.J. 2007. Phylogeny and Classification: Electrophoretic Evidence, pp. 200-202. *IN* G.L. Mackie. *Biology of Freshwater Corbiculid and Sphaeriid Clams of North America*. Ohio Biological Survey Bulletin, New Series, Volume XV, Number 3. Columbus, Ohio.
- Hornbach, D.J. and C.M. Way. 2007. Ecology: Population Dynamics, Energetics and Production, pp. 126-128. *IN* G.L. Mackie. *Biology of Freshwater Corbiculid and Sphaeriid Clams of North America*. Ohio Biological Survey Bulletin, New Series, Volume XV, Number 3. Columbus, Ohio.
- Baker, S.M. and D.J. Hornbach. 2008. Zebra mussels (*Dreissena polymorpha*) attached to native mussels (Unionidae) or inanimate substrates: Comparison of physiological rates and biochemical composition. *American Midland Naturalist* 160:20-28.
- Hornbach, D.J., M.C. Hove, B. Dickinson*, K. MacGregor and J.R. Medland. 2010. Estimating population size and habitat associations of two federally endangered mussels in the St. Croix River, Minnesota and Wisconsin, USA. *Aquatic Conservation: Marine and Freshwater Ecosystems* 20: 250-260.
- Hornbach, D.J. V.J. Kurth*, and M.C. Hove. 2010. Variation in freshwater mussel shell sculpture and shape along a river gradient. *American Midland Naturalist* 164:22-36.
- Hove, M.C., B.E. Sietman, J.E. Bakelaar, J.A. Bury, D.J. Heath, V.E. Pepi, J.E. Kurth, J.M. Davis, D.J. Hornbach and A. R. Kapuscinski. 2011. Early Life History and Distribution of Pistolgrip (*Tritogonia verrucosa* (Rafinesque, 1820)) in Minnesota and Wisconsin. *American Midland Naturalist* 165:338-354.

Bowne, D.R., A.L. Downing, M.F. Hoopes, K. LoGiudice, C.L. Thomas, L.J. Anderson, T. Gartner, D.J. Hornbach, K.Kuers, J. Machado, B.R. Pohlad and K. L. Shea. 2011. Transforming ecological science at primarily undergraduate institutions through collaborative networks. *BioScience* 61:386-392.

NON-REFERRED PAPERS

Hove, M.C., D. J. Heath, D.E. Kelner, D.C. Allen*, R.L. Benjamin, Mike Davis, R.S. Derhak*, K.M. Swensen*, J.E. Thomas*, and D. J. Hornbach. 2001. Winged mapleleaf once enjoyed a greater range in the St. Croix River. *Ellipsaria* 3: 9 [Newsletter of the Freshwater Mollusk Conservation Society]

Hove, M.C., J.R. Medland, D.J. Hornbach, M.P. Cliff, M.G. Haas, A.R. Kapuscinski, R.K. Whaley, B.N. Karns, D.C. Allen*, R.S. Derhak*, K.M. Swensen*, and J.E. Thomas*. 2002. Federally endangered winged Mapleleaf mussel cultured and placed in the St. Croix River, Minnesota. *Endangered Species Update* 19: 3-4. [Technical note]

U.S. Fish and Wildlife Service [written by D.J. Hornbach]. 2004. Revised Higgins Eye Pearlymussel (*Lampsilis higginsii*) Recovery Plan. U.S. Fish and Wildlife Service, Ft. Snelling, Minnesota. 83 pp.

Hornbach, D.J. 2004. Review of *A Guide to Sampling Freshwater Mussel Populations*, by David L. Strayer and David R. Smith. *Quarterly Review of Biology* 79: 92-93.

Pfirman, S., P. Martin, L. Berry, M. Fletcher, M. Hempel, R. Southard, D. Hornbach, and B. Morehouse. 2007. Interdisciplinary Hiring, Tenure and Promotion: Guidance for Individuals and Institutions. Working Paper for the Council of Environmental Deans and Directors. <http://www.ncseonline.org/CEDD/cms.cfm?id=2042>

SELECTED RECENT ABSTRACTS – LAST 5 YEARS:

Hornbach, D.J., M.C. Hove and K.R. MacGregor. 2006. Using hydraulic parameters to predict mussel density: A preliminary study. *Bulletin of the North American Benthological Society* 23: 387.

Kushner, E. *, K. MacGregor, and D. Hornbach. 2006. Analysis of sediment transport data and calculation of historical sediment load, St. Croix River, MN/WI. *Geological Society of America Abstracts with Programs*, Vol. 38: 357.

Hornbach, D.J. M.C. Hove and J. Medland. 2007. The use of adaptive cluster sampling to estimate the population sizes of *Quadrula fragosa* and *Lampsilis higginsii* in the St. Croix River between Interstate Park and Osceola, WI. Abstracts of the St. Croix River Rendezvous, Oct 2007. Sponsored by the St. Croix Watershed Research Station, Science Museum of MN.

- Von Reis Crooks*, S., L. Wang*, M.C. Hove and D.J. Hornbach. 2007. Habitat factors and mussel assemblage of federally endangered mussel species. Abstracts of the St. Croix River Rendezvous, Oct 2007. Sponsored by the St. Croix Watershed Research Station, Science Museum of MN.
- Szumowski*, S. Boyer and D.J. Hornbach. 2007. A comparison of genetic variation between populations of pocketbook and pimpleback mussels above and below the St. Croix Falls dam. Abstracts of the St. Croix River Rendezvous, Oct 2007. Sponsored by the St. Croix Watershed Research Station, Science Museum of MN.
- Warren*, C., D.J. Hornbach and M.C. Hove. 2007. Saving an endangered mussel: Habitat of the Higgins Eye Pearlymussel. 2007. Abstracts of the St. Croix River Rendezvous, Oct 2007. Sponsored by the St. Croix Watershed Research Station, Science Museum of MN.
- Hornbach, D.J., M.C. Hove and K.R. MacGregor. 2007. Using hydraulic parameters to predict mussel density. Freshwater Mollusk Conservation Society. March 2007, Little Rock, Arkansas. Also presented at the World Macalcollogical Congress, July 2007, Antwerp, Belgium.
- Smith, D.R., R.F. Vilella, D.J. Hornbach, and M.C. Hove. 2008. Adaptive cluster, two-stage sequential, and two-phase sampling designs for estimation of freshwater mussel population density. Bulletin of the North American Benthological Society 25: 387.
- Szumowski*, S.C., S.L. Boyer, D.J. Hornbach and M.C. Hove. 2008. A Comparison of genetic variation between populations of pocketbook and pimpleback mussels (subfamily Ambliminae) above and below the St. Croix Falls dam (Minnesota/Wisconsin, USA). Joint meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists. June 2008, Minneapolis MN.
- Ritz*, L. D. Hornbach, K. MacGregor and M. Hove. 2008. Near-bed Sediment Transport as Indicator of Substrate Stability and Suitable Mussel Habitats in the St. Croix River. Abstracts of the St. Croix River Rendezvous, Oct 2008. Sponsored by the St. Croix Watershed Research Station, Science Museum of MN.
- Major*, R., K. MacGregor, D. Hornbach, M. Hove, L. Ritz* and C. Loeb*. 2008. Suspended Sediment in the St. Croix River. Abstracts of the St. Croix River Rendezvous, Oct 2008. Sponsored by the St. Croix Watershed Research Station, Science Museum of MN.
- Loeb*, C., D. Hornbach, K. MacGregor and B. Mühlenhaus. 2008. Using Geographic Information Systems (GIS) to Map Bathymetric Changes in the Saint Croix River 1968-2008. Abstracts of the St. Croix River Rendezvous, Oct 2008. Sponsored by the St. Croix Watershed Research Station, Science Museum of MN.
- Hornbach, D.J., M.C. Hove and K. MacGregor. 2008. Mussel Density at Interstate Park, St. Croix River, MN and WI: A new equilibrium? Abstracts of the St. Croix River Rendezvous, Oct 2008. Sponsored by the St. Croix Watershed Research Station, Science Museum of MN.

- Hornbach, D. and D. Lanegran. 2008. The Three Rivers Center at Macalester College: An Andrew W. Mellon Foundation Higher Education and Scholarship Project. Abstracts of the National Council on Science and the Environment Meeting, Dec. 2008.
- Hove, M.C., D.J. Hornbach, B.E. Sietman, A.K. Crownhart and M.S. Berg. 2009. Spectavlecase (*Cumerlandia monodonta*) host studies produce more negative results. *Ellipsaria* 11: 22.
- Hornbach, D.J., C. D. Loeb*, M. C. Hove and K. R. MacGregor. 2009. Using GIS to assess dam impact on river bathymetry, St. Croix River, MN/WI. *Bulletin of the North American Benthological Society* 26: 170.
- Colehour, A.*, D.J. Hornbach, M.C. Hove and K.R. MacGregor. 2009. The effect of the St. Croix Falls hydrodam on riverbed temperature. Abstracts of the St. Croix River Rendezvous, Oct 2009. Sponsored by the St. Croix Watershed Research Station, Science Museum of MN.
- Sansom, B.*, M.C. Hove and D.J. Hornbach. 2009. Comparative analysis of St. Croix mussels and host fish species. Abstracts of the St. Croix River Rendezvous, Oct 2009. Sponsored by the St. Croix Watershed Research Station, Science Museum of MN.
- Weggler, C.*, D.J. Hornbach, K.R. MacGregor and M.C. Hove. 2009. Resource partitioning among freshwater mussels. Abstracts of the St. Croix River Rendezvous, Oct 2009. Sponsored by the St. Croix Watershed Research Station, Science Museum of MN.
- Skarbek, C.*, D. Hornbach, M. Hove, and K. MacGregor. 2009. Suspended sediment and organic matter on the St. Croix River and implications for freshwater mussels. Abstracts of the St. Croix River Rendezvous, Oct 2009. Sponsored by the St. Croix Watershed Research Station, Science Museum of MN.
- Kutvirt, J.*, K. MacGregor, D. Hornbach, M.Hove, B. Karns, and J. Medland. 2009. Sedimentation in the Indianhead Reservoir behind St. Croix Falls Dam. Abstracts of the St. Croix River Rendezvous, Oct 2009. Sponsored by the St. Croix Watershed Research Station, Science Museum of MN.
- Jackson, K.*, K. MacGregor, D. Hornbach and M. Hove. 2009. Bed sediment size distribution and mineralogy in Indianhead Reservoir, St. Croix River. Abstracts of the St. Croix River Rendezvous, Oct 2009. Sponsored by the St. Croix Watershed Research Station, Science Museum of MN.
- Hornbach, D.J., M. C. Hove, K. R. MacGregor, and A. M. Colehour*. 2010. Temperature refugia for mussels in rivers? Burrow deeper. *Bulletin of the North American Benthological Society* 57: 109.
- Ramirez*, J.N., S. L. Boyer, M. C. Hove, and D. J. Hornbach. 2010. Using scanning electron microscopy to identify mussel larvae. Abstracts of the St. Croix River Rendezvous, Oct 2010. Sponsored by the St. Croix Watershed Research Station, Science Museum of MN.

- Skarbek*, C., K. MacGregor, D. Hornbach, and M. Hove. 2010. Suspended sediment on the St. Croix: Impacts of the St. Croix Falls Dam. Abstracts of the St. Croix River Rendezvous, Oct 2010. Sponsored by the St. Croix Watershed Research Station, Science Museum of MN.
- Ochi*, D.J., J. N. Ramirez*, D. J. Hornbach and M. C. Hove. 2010. Life History of *Quadrula nodulata*: Which Host Species of Fish Does it Depend on? Abstracts of the St. Croix River Rendezvous, Oct 2010. Sponsored by the St. Croix Watershed Research Station, Science Museum of MN.
- Griffin*, E., D. J. Hornbach, M. C. Hove, and K. R. MacGregor. 2010. Why are mussels larger in the Sunrise River than in the Saint Croix River? Abstracts of the St. Croix River Rendezvous, Oct 2010. Sponsored by the St. Croix Watershed Research Station, Science Museum of MN.
- Jackson*, K., K. R. MacGregor, D. J. Hornbach, and M. C. Hove. 2010. Bed Sediment Grain Size Distribution and Flow Dynamics of Indianhead Reservoir, St. Croix River. Abstracts of the St. Croix River Rendezvous, Oct 2010. Sponsored by the St. Croix Watershed Research Station, Science Museum of MN.
- Sansom*, B., D. J. Hornbach, and M. Hove. 2010. Effects of Fish Host Availability, Water Temperature, and Discharge on Two Populations of Mussels in the St. Croix River, MN. Abstracts of the St. Croix River Rendezvous, Oct 2010. Sponsored by the St. Croix Watershed Research Station, Science Museum of MN.
- Hornbach, D.J., E. Griffin, B. Sansom and M.C. Hove. 2011. Why are mussels larger and populations denser in the Sunrise River than in the St. Croix River? Abstracts of the 7th Annual Freshwater Mollusk Conservation Society Meeting. April 2011.

*Indicates an undergraduate student co-author