

Recommended References for Mussel Ecology and Field Guides

Cummings, K., and C. Mayer. 1992. *Field guide to freshwater mussels of the Midwest*. Illinois Natural History Survey.

Clarke, A. 1981. *The freshwater molluscs of Canada*. National Museums of Canada. National Museums of Science. (covers snails, too; apparently out of print)

Klocek, R., J. Bland, and L. Barghusen. Undated. *A field guide to the freshwater mussels of Chicago Wilderness*. Available at:
<http://fm2.fieldmuseum.org/plantguides/guideimages.asp?ID=360>

Metcalf-Smith, J., A. MacKenzie, I. Carmichael, and D. McGoldrick. 2005. *Photo field guide to the freshwater mussels of Ontario*. St. Thomas Field Naturalists Club, St. Thomas, Ontario Canada.

Strayer, D. 2008. *Freshwater mussel ecology - a multifactor approach to distribution and abundance*. Univ. of California Press.

Watters, G., M. Hoggarth, and D. Stansbery. 2009. *The freshwater mussels of Ohio*. Ohio State University Press.

Recommended References for Mussel Survey Sampling Design

Hastie, L., S. Cooksley, F. Scougall, M. Young, P. Boon, and M. Gaywood. 2004. Applications of extensive survey techniques to describe freshwater pearl mussel distribution and macrohabitat in the River Spey, Scotland. *River Research and Applications* 20:1001-1013.

Hornbach, D.J., and Deneka, T. 1996. A comparison of a qualitative and a quantitative collection method for examining freshwater mussel assemblages. *Journal of the North American Benthological Society* 15:587-596.

Metcalf-Smith, J.L., Di Maio, J., Mackie, G.L., and Staton, S.K. 2000. Effects of sampling effort on the efficiency of the timed search method for sampling freshwater mussels. *Journal of the North American Benthological Society*. 19(4): 725-732.

Obermeyer, B.K. 1998. A comparison of quadrats versus timed snorkel searches for assessing freshwater mussels. *American Midland Naturalist* 139:331-339.

Pooler, P. S. and D. R. Smith. 2005. Optimal sampling design for estimating spatial distribution and abundance of a freshwater mussel population. *Journal of North American Benthological Society* 24(3):525-537.

Smith, D.R. 2006. Survey design for detecting rare freshwater mussels. *Journal of North American Benthological Society* 25(3): 701-711

Smith, D.R., Vilella, R.F., and Lemarie, D.P. 2001a. Survey protocol for assessment of endangered freshwater mussels in the Allegheny River, Pennsylvania. *Journal of the North American Benthological Society* 20:118-132.

Smith, D.R., Villella, R.F., Lemarie, D.P., and von Oettingen, S. 2001b. *How much excavation is needed to monitor freshwater mussels?* Freshwater Mollusk Symposium Proceedings. Ohio Biological Survey, Columbus, Ohio. pp. 203-218.

Strayer, D., and D. Smith. 2003. *A Guide to Sampling Freshwater Mussel Populations*. American Fisheries Society, Monograph 8. 110 pp. Excellent – if you read this you can skip the others

Strayer, D.L., Claypool, S., and Sprague, S. 1997. Assessing unionid populations with quadrats and timed searches. *In* Conservation and management of freshwater mussels II. Initiatives for the future. *Edited by* K S. Cummings, A. C. Buchanan, C. A. Mayer, and T. J. Naimo. Upper Mississippi River Conservation Committee, Rock Island, Illinois. pp 163-169.

Vaughn, C.C., Taylor, C.M., and Eberhard, K.J. 1997. A comparison of the effectiveness of timed searches vs. quadrat sampling in mussel surveys. *In* Conservation and management of freshwater mussels II. Initiatives for the future. *Edited by* K.S. Cummings, A.C. Buchanan, C.A. Mayer, and T.J. Naimo. Upper Mississippi River Conservation Committee, Rock Island, Illinois. pp. 157-162. Available from Illinois Natural History Survey, 607 East Peabody Drive, Champaign, Illinois 61820 USA.

Villella, R. F. and D. R. Smith. 2005. Two-phase sampling to estimate river- wide populations of freshwater mussels. *Journal of North American Benthological Society* 24(2):357-368,