

Vaughn
1995

Vaughn 19

Literature Cited

- Ahlstedt, S. A. 1983. The molluscan fauna of the Elk River in Tennessee and Alabama. *American Malacological Bulletin* 1:43-50.
- Allan, J.D. and A.S. Flecker. 1993. Biodiversity conservation in running waters. *BioScience* 43:32-43.
- Angermeier, P.L. and I.J. Schlosser. 1989. Species-area relationships for stream fishes. *Ecology* 70:1450-1462.
- Bauer, G., S. Hochwald, and W. Wilkenat. 1991. Spatial distribution of freshwater mussels: the role of host fish and metabolic rate. *Freshwater Biology* 26:377-386.
- Bock, C. E., and R. E. Ricklefs. 1983. Range size and local abundance of some North American songbirds: a positive correlation. *American Naturalist* 122:295-299.
- Bogan, A.E. 1993. Freshwater bivalve extinctions (Mollusca: Unionidae): a search for causes. *American Zoologist* 33:599-609.
- Bronmark, C., and B. Malmqvist. 1982. Resource partitioning between unionid mussels in a Swedish lake outlet. *Holarctic Ecology* 5:389-395.
- Brown, J. H., and A. Kodric-Brown. 1977. Turnover rates in insular biogeography: effect of immigration on extinction. *Ecology* 58:445-449.
- Caswell, H. and J.E. Cohen. 1991. Disturbance, interspecific interaction and diversity in metapopulations. *Biological Journal of the Linnean Society*. 42:193-218

- Clark, C. F. 1987. The freshwater Naiads of Ohio, part V, Wabash River drainage of Ohio. *Malacology Data Net* 2:19-37.
- Collins, S.L., S.M. Glenn, and D.W. Roberts. 1993. The hierarchical continuum concept. *Journal of Vegetation Science* 4:149-156.
- Cornell, H.V. 1993. Unsaturated patterns in species assemblages: the role of regional processes in setting local species richness. Pp. 243-252 in, R.E. Ricklefs and D. Schluter (eds.), *Species Diversity in Ecological Communities: Historical and Geographical Perspectives*. University of Chicago Press. 414 pp.
- Cornell, H.V. and J.H. Lawton. 1992. Species interactions, local and regional processes, and limits to the richness of ecological communities: a theoretical perspective. *Journal of Animal Ecology* 61:1-12.
- Cummings, K.S., A.C. Buchanan, and L. M. Koch (eds). 1993. *Conservation and Management of Freshwater Mussels*. Proceedings of a UMRCC symposium, 12-14 October 1992, St. Louis, Missouri. Upper Mississippi River Conservation Committee, Rock Island, Illinois. 189 pp.
- Cutler, A. 1991. Nested faunas and extinction in fragmented habitats. *Conservation Biology* 5:496-505
- Davis, G.J. and R.W. Howe. 1992. Juvenile dispersal, limited breeding sites, and the dynamics of metapopulations. *Theoretical Population Biology* 41:184-207.

- Dennis, S.D. 1984. Distributional analysis of the freshwater mussel fauna of the Tennessee River system, with special reference to possible limiting effects of siltation. PhD. dissertation, Virginia Polytechnic Institute and State University, Blacksburg, Virginia.
- Faeth, S.H. 1984. Density compensation in vertebrates and invertebrates: a review and an experiment. Pp. 491-509 in Strong, D.R., D. Simberloff, L.G. Abele and A. B. Thistle (eds.), *Ecological Communities Conceptual issues and the Evidence*. Princeton Univ. Press, Princeton, New Jersey. 613 pp.
- Frissell, C.A. 1986. A hierarchical framework for stream classification. *Environmental Management* 10:199-214.
- Gordon, M. E. 1985. Mollusca of Frog Bayou, Arkansas. *Nautilus* 99:6-9.
- Gotelli, N. J. 1991. Metapopulation models: the rescue effect, the propagule rain, and the core-satellite hypothesis. *American Naturalist* 138:768-776.
- Green, R. H., S. M. Singh, and R. C. Bailey. 1985. Bivalve Molluscs as Response Systems for Modelling Spatial and Temporal Environmental Patterns. *The Science of the Total Environment* 46:147-169.
- Hanski, I. 1982. Dynamics of regional distribution: the core and satellite species hypothesis. *Oikos* 38:210-221.
- Harmon, J. L. 1989. Freshwater bivalve mollusks (Bivalvia: Unionidae) of Graham Creek, a small southeastern Indiana stream. *Malacology Data Net* 2:113-121.

- Harmon, J. L. 1992. Naiades (Bivalvia: Unionidae) of Sugar Creek, East Fork White River Drainage, in central Indiana. *Malacology Data Net* 3:31-42.
- Harris, J.L. 1992. Survey of the freshwater mussels of the South Fourche La Fave River and major tributaries. Unpublished Report to the Arkansas Game and Fish Division.
- Harrison, S. 1991. Local extinction in a metapopulation context: an empirical evaluation. *Biological Journal of the Linnean Society* 42: 73-88.
- Haskin, H.H. 1954. Age determination in mollusks. *Transactions of the New York Academy of Science* 16:300-304.
- Hartfield, P. and D. Ebert. 1986. The mussels of southwest Mississippi streams. *American Malacological Bulletin* 4:21-23.
- Imlay, M. J. 1982. Use of shells of freshwater mussels in monitoring heavy metals and environmental stresses: a review. *Malacological Review* 15:1-14.
- Kat, P. W. 1982. Effects of population density and substratum type on growth and migration of Elliptio complanata (Bivalvia: Unionidae). *Malacological Review* 15:119-127.
- Kat, P.W. 1984. Parasitism and the Unionacea (Bivalvia). *Biological Review* 9:189-207.
- Kat, P.W. and G.M. Davis. 1984. Molecular genetics of peripheral populations of Nova Scotian Unionidae (Mollusca: Bivalvia). *Biological Journal of the Linnean Society* 22:157-185.

- Kolasa, J. 1989. Ecological systems in hierarchical perspective: breaks in community structure and other consequences. *Ecology* 70:36-47.
- Kovalak, W.P., S.D. Dennis, and J.M. Bates. 1986. Sampling effort required to find rare species of freshwater mussels. Pp 46-59 in, B.G. Isom (ed), *Rationale for Sampling and Interpretation of Ecological Data in the Assessment of Freshwater Ecosystems*. American Society for Testing and Material, Special Technical Publication No. 894.
- Layzer, J.B., M.E. Gordon, and R.M. Anderson. 1993. Mussels: the forgotten fauna of regulated rivers: a case study of the Caney Fork River. *Regulated Rivers: Research and Management* 8:63-71.
- MacArthur, R.H., J.M. Diamond, and J.R. Karr. 1972. Density compensation in island faunas. *Ecology* 53:330-342.
- McCall, P.I., Tevesz, M.J.S., and S.F. Schwelgien. 1979. Sediment mixing by Lampsilis radiata siliquoidea (Mollusca) from western Lake Erie. *Journal of Great Lakes Research*. 5:105-111.
- McMahon, R. F. 1991. Mollusca: Bivalvia. Pages 315-400 in J. H. Thorp and A. P. Covich, eds. *Ecology and Classification of North American Freshwater Invertebrates*. Academic Press, New York.
- Meador, M.R. 1992. Inter-basin water transfer: ecological concerns. *Fisheries* 17:17-22.

- Mehlhop, P. and C.C. Vaughn. 1994. Threats to and sustainability of ecosystems for freshwater mollusks. Pp. 68-77 in Covington, W. and L.F. Dehand (eds.), Sustainable Ecological Systems: Implementing an Ecological Approach to Land Management. General Technical Report RM-247 for Rocky Mountain Range and Forest Experimental Station. U.S. Forest Service, U.S. Department of Agriculture, Fort Collins, CO. 363 pp.
- Murphy, D. D., K. E. Freas, and S. B. Weiss. 1990. An environmental-metapopulation approach to population viability analysis for a threatened invertebrate. *Conservation Biology* 4:41-51.
- Nee, S., R.D. Gregory and R.M. May. 1991. Core and satellite species: theory and artifacts. *Oikos* 62:83-89.
- Negus, C. 1966. A quantitative study of the growth and production of unionid mussels in the River Thames at Reading. *Journal of Animal Ecology* 35:513-32.
- Neves, R. J. 1993. A state-of-the-unionids address. Pp. 1-10 in, Cummings, K.S., A.C. Buchanan and L. M. Koch (eds.), *Conservation and Management of Freshwater Mussels*. Proceedings of a UMRCC symposium, 12-14 October 1992, St. Louis, Missouri. Upper Mississippi River Conservation Committee, Rock Island, Illinois. 189 pp.
- Neves, R. J., and J. C. Widlak. 1987. Habitat ecology of juvenile freshwater mussels (Bivalvia: Unionidae) in a headwater stream in Virginia. *American Malacological Bulletin* 5:1-7.

- Patterson, B.D. 1987. The principle of nested subsets and its implications for biological conservation. *Conservation Biology* 1:247-293.
- Patterson, B.D. and W. Atmar. 1986. Nested subsets and the structure of insular mammalian faunas and archipelagos. Pp. 65-82 in L.R. Heany and B.D. Patterson (eds.), *Island Biogeography of Mammals*. Biological Journal of the Linnean Society 28. Academic Press and Linnean Society of London.
- Patterson, B.D. and J.H. Brown. 1991. Regionally nested patterns of species composition in granivorous rodent assemblages. *Journal of Biogeography* 18:395-402.
- Payne, B. S., and A. C. Miller. 1989. Growth and survival of recent recruits to a population of Fusconaia ebena (Bivalvia: Mollusca) in the lower Ohio River. *American Midland Naturalist* 121:99-104.
- Richardson, J. B. 1989. Distribution, abundance and community structure of freshwater mussels within the Big South Fork National River and Recreation Area. MS Thesis. Tennessee Technological University.
- Rutherford, D. A., A. A. Echelle, and O. E. Maughan. 1992. Drainage-wide effects of timber harvesting on the structure of stream fish assemblages in southeastern Oklahoma. *Transactions of the American Fisheries Society* 121:716-728.

- Salmon, A., and R. H. Green. 1982. Environmental determinants of unionid clam distribution in the Middle Thames River, Ontario. Canadian Journal of Zoology 61:832-838.
- Schanzle, R.W. and K.S. Cummings. 1991. A survey of the freshwater mussels (Bivalvia: Unionidae) of the Sangamon River Basin, Illinois. Illinois Natural History Survey Biological Notes 137, 25 pp.
- Schmidt, J. E., and M. A. Zeto. 1986. Naiad distribution in the Mud River drainage, southwestern West Virginia. Malacology Data Net 1:69-77.
- Schmidt, J. E., R. D. Estes, and M. E. Gordon. 1989. Historical changes in the mussel fauna (Bivalvia: Unionidae) of the Stones River, Tennessee. Malacological Review 22:47-53.
- Smith, D.G. 1985. Recent range expansion of the freshwater mussel, Anodonta implicata, and its relationship to clupeid fish restoration in the Connecticut river system. Freshwater Invertebrate Biology 4:105-108.
- Sokal, R. R., and F. J. Rohlf. 1981. Biometry, second ed. W.H. Freeman and Co., San Francisco.
- Smith, S.D., A.B. Wellington, J.L. Nachlinger, and C.A. Fox. 1991. Functional responses of riparian vegetation to streamflow diversion in the eastern Sierra Nevada. Ecological Applications 1:89-97.
- Sokal, R. R., and F. J. Rohlf. 1981. Biometry, second ed. W.H. Freeman and Co., San Francisco.

- Starnes, L.B. and A.E. Bogan. 1988. The mussels (Mollusca: Bivalvia: Unionidae) of Tennessee. American Malacological Bulletin 6:19-38.
- Stern, E.M. 1983. Depth distribution and density of freshwater mussels collected with scuba from the lower Wisconsin and St. Croix rivers. *Nautilus* 97:36-42.
- Stern, E.M. 1983. Depth distribution and density of freshwater mussels collected with scuba from the lower Wisconsin and St. Croix rivers. *Nautilus* 97:36-42.
- Strayer, D.L. 1980. The freshwater mussels (Bivalvia: Unionidae) of the Clinton River, Michigan, with comments on man's impact on the fauna. *The Nautilus* 94:142-149.
- Strayer, D.L. 1983. Effects of surface geology and stream size on freshwater mussel (Bivalvia: Unionidae) distribution in southeastern Michigan, USA. *Freshwater Biology* 13:253-264.
- Strayer, D.L. and J. Ralley. 1993. Microhabitat use by an assemblage of stream-dwelling unionaceans (Bivalvia), including two rare species of Alasmidonta. *Journal of the North American Benthological Society* 12:247-258.
- Strayer, D.L., D.C. Hunter, L.C. Smith, and C.K. Borg. 1994. Distribution, abundance, and roles of freshwater clams (Bivalvia, Unionidae) in the freshwater tidal Hudson River. *Freshwater Biology* 31:239-248.

- Thomas, C.D. 1994. Extinction, colonization, and metapopulations: environmental tracking by rare species. *Conservation Biology* 8:373-378.
- Townsend, C.R. 1989. The patch dynamic concept of stream community ecology. *Journal of the North American Benthological Society* 8:36-50.
- Vannote, R.L. and G.W. Minshall. 1982. Fluvial processes and local lithology controlling abundance, structure, and composition of mussel beds. *Proceedings of the National Academy of Sciences* 79:4103-4107.
- Vaughn, C.C. 1993. Can biogeographic models be used to predict the persistence of mussel populations in rivers? Pp. 117-122 in, Cummings, K.S., A.C. Buchanan and L. M. Koch (eds.), *Conservation and Management of Freshwater Mussels. Proceedings of a UMRCC symposium, 12-14 October 1992, St. Louis, Missouri. Upper Mississippi River Conservation Committee, Rock Island, Illinois.* 189 pp.
- Vaughn, C.C. and M. Pyron. 1995. Population ecology of the endangered Ouachita Rock Pocketbook Mussel, Arkansas wheeleri (Bivalvia: Unionacea), in the Kiamichi River, Oklahoma. *American Malacological Bulletin* 11(2):## - ##.
- Warren, M. L., D. R. Cicerello, K. E. Camburn, and G. J. Fallo. 1984. The longitudinal distribution of the freshwater mussels (Unionidae) of Kinniconick Creek, northeastern Kentucky. *American Malacological Bulletin* 3:47-53.

- Watters, G. T. 1992. Unionids, fishes, and the species-area curve. *Journal of Biogeography* 19:481-490.74
- Way, C. M. 1988. An analysis of life histories in freshwater bivalves (Mollusca: Pisidiidae). *Canadian Journal of Zoology* 66:1179-1183. 2507.
- Way, C. M., A. C. Miller, and B. S. Payne. 1989. The influence of physical factors on the distribution and abundance of freshwater mussels (Bivalvia: Unionidae) in the lower Tennessee River. *Nautilus* 103:96-98.
- Wilcox, B. A. 1986. Extinction models and conservation. *Trends in Ecology and Evolution* 1:46-48.
- Wright, D.H. 1991. Correlations between incidence and abundance are expected by chance. *Journal of Biogeography* 18:463-466.
- Wright, D.H. and J.H. Reeves. 1992. On the meaning and measurement of nestedness of species assemblages. *Oecologia* 92:416-428.
- Wright, S.J. 1980. Density compensation in island avifaunas. *Oecologia* 45:385-389.