

Bibliography for AQUATOX Libraries

Biota

- Adamack, A. T., C. A. Stow, D. M. Mason, L. P. Rozas, and T. J. Minello. 2012. Predicting the effects of freshwater diversions on juvenile brown shrimp growth and production: a Bayesian-based approach. *Mar Ecol Prog Ser* **444**:155–173.
- Ahlgren, G. 1978. Growth of *Oscillatoria agardhii* in chemostat culture. 2. Dependence of growth constants on temperature. *in Symposium: Experimental Use of Algal Cultures in Limnology 26-28 October 1976, Sandefjord, Norway. Internationale Vereinigung fur Theoretische und Angewandte Limnologie, Mittelungen.*
- Aldridge, D. W., B. S. Payne, and A. C. Miller. 1995. Oxygen consumption, nitrogenous excretion, and filtration rates of *Dreissena polymorpha* at acclimation temperatures between 20 and 32°C. *Can. J. Fish. Aquat. Sci.* **52**:1761-1767.
- Allan, J. D. 1995. *Stream Ecology: Structure and Function of Running Waters*. Chapman & Hall, London.
- Ambrose, Jr., Robert B. , J. L. Martin, and T. A. Wool. 2006. WASP7 Benthic Algae - Model Theory and User's Guide, Supplement to Water Quality Analysis Simulation Program (WASP) User Documentation Page 32. U.S. Environmental Protection Agency, Washington, DC
- Anastacio, P. M., S. N. Neilson, and J. C. Marques. 1999. CRISP (Crayfish and Rice Integrated System of Production): 2. Modelling Crayfish (*Procambarus clarkii*) Population Dynamics. *Ecological Modelling*. **123**.
- Arnot, J. A. and F. A. P. C. Gobas. 2004. A Food Web Bioaccumulation Model for Organic Chemicals in Aquatic Ecosystems. *Environmental Toxicology and Chemistry* **23**:2343-2355.
- Arscott, D. B., W. B. Bowden, and J. C. Finlay. 1998. Comparison of Epilithic Algal and Bryophyte Metabolism in an Arctic Tundra Stream, Alaska. *Jour. North American Benthological Society*, **17**:210-227.
- Arscott, D. B., W. B. Bowden, and J. C. Finlay. 2000. Effects of Desiccation and Temperature/Irradiance on the Metabolism of 2 Arctic Stream Bryophyte Taxa. *Jour. North American Benthological Society*, **19**:263-273.
- Asaeda, T. and K. Acharya. 2000. Application of individual growth and population models of *Daphnia pulex* to *Daphnia magna*, *Daphnia galeata* and *Bosmina longirostris*. *Hydrobiologia* **421**:141-155.
- Asaeda, T. and D. H. Son. 2000. Spatial structure and populations of a periphyton community: a model and verification. *Ecological Modelling* **133**:195-207.
- Atkinson, M. J. and S. V. Smith. 1983. C:N:P Ratios of Benthic Marine Plants. *Limnol. Oceanog.* **28**:568-574.
- 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.
- Balcom, N. C. 1994. Aquatic Immigrants of the Northeast, No. 4: Asian Clam, *Corbicula fluminea*. Conn. Sea Grant College Program.
- Barko, J. W., R. M. Smart, D. G. Hardin, and M. S. Matthews. 1980. Growth and Metabolism of Three Introduced Submersed Plant Species in Relation to the Influence of Temperature and Light. Technical Report A-80-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, Miss.

- Bauer, G. 2001. Factors Affecting Naiad Occurrence and Abundance. Pages 155-162 in G. Bauer and K. Wächtler, editors. *Ecology and Evolution of the Freshwater Mussels Unionoida*. Springer-Verlag, Berlin.
- Berg, K., P. M. Jonosson, and K. W. Ockelmann. 1962. The Respiration of Some Animals from the Profundal Zone of a Lake. *Hydrobiologia* **19**:1-39.
- Berner, L. and M. L. Pescador. 1988. The Mayflies of Florida (Revised) University Presses of Florida
- Best, E. P. H., C. P. Buzzelli, S. M. Bartell, R. L. Wetzel, W. A. Boyd, R. D. Doyle, and K. R. Campbell. 2001. Modeling submersed macrophyte growth in relation to underwater light climate: Modeling approaches and application potential. *Hydrobiologia* **444**:43-70.
- Borchardt, M. A. 1996. Nutrients. Pages 183-227 in R. J. Stevenson, M. L. Bothwell, and R. L. Lowe, editors. *Algal Ecology: Freshwater Benthic Ecosystems*. Academic Press, San Diego.
- Boston, H. L. and W. R. Hill. 1991. Photosynthesis-light relations of stream periphyton communities *Limnol. Oceanogr.* **36**:644-656.
- Bouchard, R. W., Jr. and L. C. Ferrington, Jr. 2008. Thermal preferences of Chironomidae in a Minnesota stream. *Boletim do Museu Municipal do Funchal Sup. N.º 13* 191-198.
- Brown, K. M. and W. B. Stickle. 2002. Physical constraints on the foraging ecology of an intertidal snail. *Marine and Freshwater Behavior and Physiology* **35**:157-166.
- Brylawski, B. J. and T. J. Miller. 2002. A Flexible Approach to the Bioenergetic Modeling of the Blue Crab (*Callinectes sapidus*). *Bulletin Marine Science*.
- Brylawski, B. J. and T. J. Miller. 2003. Bioenergetic modeling of the blue crab (*Callinectes sapidus*) using the Fish Bioenergetics (3.0) computer program. *Bulletin Marine Science* **72**:491-504.
- Buckley, J. L. 1989. Species profiles: life histories and environmental requirements of coastal fishes and invertebrates (North Atlantic)--rainbow smelt. U.S. Fish Wildl. Serv.
- Burkhard, L. P. 1998. Comparison of Two Models for Predicting Bioaccumulation of Hydrophobic Organic Chemicals in a Great Lakes Food Web. *Environmental Toxicology and Chemistry* **17**:383-393.
- Calvo, G. W., M. W. Luckenbach, S. K. Allen, Jr., and E. M. Burreson. 2000. A Comparative Field Study of *Crassostrea ariakensis* and *Crassostrea virginica* in Relation to Salinity in Virginia. Special Report in Applied Science and Ocean Engineering No. 360, School of Marine Science, Virginia Institute of Marine Science, Gloucester Point, Virginia.
- Carlander, K. D. 1997. *Handbook of Freshwater Fishery Biology*. Iowa State University Press, Ames.
- Carpenter, S. R. and J. F. Kitchell, editors. 1993. *The Trophic Cascade in Lakes*. Cambridge University Press, Cambridge.
- Cervetto, G., R. Gaudy, and M. Pagano. 1999. Influence of salinity on the distribution of *Acartia tonsa* (Copepoda, Calanoida). *Journal of Experimental Marine Biology and Ecology* **239**:33-45.
- Chapra, S. C., G. J. Pelletier, and H. Tao. 2007. *QUAL2K: A Modeling Framework for Simulating River and Stream Water Quality, Version 2.07: Documentation and Users Manual*. Civil and Environmental Engineering Dept., Tufts University, Medford, MA.
- Cloern, J. E. 1977. Effects of light intensity and temperature on *Cryptomonas ovata* (Cryptophyceae) growth and nutrient uptake rates *Jour. Phycology* **13**:389-395.
- Colby, J. A. and C. D. McIntire. 1978. Mathematical Documentation for a Lotic Ecosystem Model. Internal Report No. 165, Coniferous Forest Biome, Oregon State University, Corvallis, Oregon.
- Collins, C. D. 1980. Formulation and Validation of a Mathematical Model of Phytoplankton Growth. *Ecology* **6**:639-649.

- Collins, C. D., R. A. Park, and C. W. Boylen. 1985. A Mathematical Model of Submersed Aquatic Plants., Miscell. Paper A-85-2, U.S. Army Engineers Waterways Experiment Station, Vicksburg, Mississippi.
- Collins, C. D. and J. H. Wlosinski. 1983. Coefficients for Use in the U.S. Army Corps of Engineers Reservoir Model, CE-QUAL-R1. Tech. Rept. E-83-15, Environmental Laboratory, U.S. Army Engineer Waterways Experiment Station, Vicksburg, Miss.
- Collins, M. R. 1985. Species Profiles: Life Histories and Environmental Requirements (Gulf of Mexico)--Striped Mullet. Rept. 82(11.34), U.S. Fish and Wildlife Service, Division of Biological Services.
- Cope, W. G., M. R. Bartsch, R. G. Rada, S. J. Balogh, J. E. Rupprecht, R. D. Young, and D. K. Johnson. 1999. Bioassessment of Mercury, Cadmium, Polychlorinated Biphenyls, and Pesticides in the Upper Mississippi River with Zebra Mussels (*Dreissena polymorpha*). Environ. Sci. Technol. **33**:4385-4390.
- Cox, T. J. and J. C. Rutherford. 2000. Thermal tolerances of two stream invertebrates exposed to diurnally-varying temperature. New Zealand Journal of Marine and Freshwater Research **34**:203-208.
- Das, T. and W. B. Stickler. 1993. Sensitivity of crabs *Callinectes sapidus* and *C. similis* and the gastropod *Stramonita haemastoma* to hypoxia and anoxia. Pages 263-274 Marine Ecology Progress Series.
- De Laender, F., K. A. C. De Schamphelaere, P. A. Vanrolleghem, and C. R. Janssen. 2008. Validation of an ecosystem modelling approach as a tool for ecological effect assessments. Chemosphere **71**:529-545.
- DeNicola, D. M. 1996. Periphyton Responses to Temperature at Different Ecological Levels. Pages 149-181 in R. J. Stevenson, M. L. Bothwell, and R. L. Lowe, editors. Algal Ecology: Freshwater Benthic Ecosystems. Academic Press, San Diego.
- Diamond, J. M., D. G. Mackler, W. J. Rasnake, and D. Gruber. 1993. Derivation of Site-Specific Ammonia Criteria for an Effluent-Dominated Headwater Stream. Environ. Toxicol. Chem. **12**:649-658.
- Dodds, W. K. and D. A. Gudder. 1992. The Ecology of *Cladophora*. Jour. Phycology **28**:415-427.
- Driever, S. M., E. H. van Nes, and R. M. M. Roijackers. 2005. Growth limitation of *Lemna minor* due to high plant density. Aquatic Botany **81** 245-251.
- Effler, S. 1996. Limnological and engineering analysis of a polluted urban lake: prelude to environmental management of Onondaga Lake, New York, Springer-Verlag, NY.
- Effler, S. W., S. M. Doerr, M. T. Auer, R. P. Canale, R. K. Gelda, E. M. Owens, and T. M. Heidtke. 1996. Mechanistic Modeling of Water Quality in Onondaga Lake. Pages 667-788 in S. W. Effler, editor. Limnological and Engineering Analysis of a Polluted Urban Lake. Springer, New York, NY.
- Ernst, M. R., T. L. Beitingier, and K. W. Stewart. 1984. Critical Thermal Maxima of Nymphs of Three Plecoptera Species from an Ozark Foothill Stream. Freshwater Invertebrate Biology **3**:80-.
- Essig, D. A. 1998. The Dilemma of Applying Uniform Temperature Criteria in a Diverse Environment: An Issue Analysis. Idaho Division of Environmental Quality, Boise, Idaho.
- Evans, D. O. 2005. Effects of hypoxia on scope-for-activity of lake trout: defining a new dissolved oxygen criterion for protection of lake trout habitat. Tech. Rep. 2005-01. Habitat and Fisheries Unit, ARDS, ARDB, Peterborough, Ontario.
- Federighi, H. 1931. Studies on the oyster drill (*Urosalpinx cinerea*, Say). Bull. U. S. Bur. Fish. **47**:85-115.
- Fogg, G. E. 1973. Phosphorus in primary aquatic plants. Water Res. **7**:77-91.
- Forseth, T., T. F. Nesje, B. Jonsson, and K. Härsaker. 1999. Juvenile migration in brown trout: a consequence of energetic state. Journal of Animal Ecology **68**:783-793.

- Frouz, J., A. Ali, and R. J. Lobinske. 2002. Influence of temperature on developmental rate, wing length, and larval head capsule size of pestiferous midge *Chironomus crassicaudatus* (Diptera: Chironomidae). *J. Econ. Entomol.* **95**:699-705.
- Gale, J., D. Smernoff, B. Macler, and R. MacElroy. 1989. Carbon balance and productivity of *Lemna gibba*, a candidate plant for CELSS. *Adv. Space Res.* **9**:43-52.
- Garber, K. 2009. User's Guide and Technical Documentation: KABAM Version 1.0 (Kow (based) Aquatic BioAccumulation Model). Office of Pesticide Programs, U.S. Environmental Protection Agency, Washington, D.C.
- Gaudy, R., G. Cervetto, and M. Pagano. 2000. Comparison of the metabolism of *Acartia clausi* and *A. tonsa*: influence of temperature and salinity. *Journal of Experimental Marine Biology and Ecology* **247**:51-65.
- Goldsborough, L. G. and G. G. C. Robinson. 1996. Pattern In Wetlands. Pages 78-117 in R. J. Stevenson, M. L. Bothwell, and R. L. Lowe, editors. *Algal Ecology: Freshwater Benthic Ecosystems*. Academic Press, San Diego.
- Graham, J. M., M. T. Auer, R. P. Canale, and J. P. Hoffman. 1982. Ecological Studies and Mathematical Modeling of *Cladophora* in Lake Huron: 4. Photosynthesis and Respiration as Functions of Light and Temperature. *Journal Great Lakes Research* **8**:100-111.
- Hall, R. O., Jr., J. L. Tank, and M. F. Dybdahl. 2003. Exotic Snails Dominate Nitrogen and Carbon Cycling in a Highly Productive Stream. *Frontiers in Ecology and the Environment* **1**:407-411.
- Hanson, P. C., T. B. Johnson, D. E. Schindler, and J. F. Kitchell. 1997. *Fish Bioenergetics 3.0*. Center for Limnology, University of Wisconsin, Madison.
- Helser, T. E. and D. M. Khan. 2001. Stock Assessment of Delaware Bay Blue Crab (*Callinectes sapidus*) for 2001. Department of Natural Resources * Environmental Control, Delaware Division of Fish and Wildlife, Dover DE.
- Hewett, S. W. and B. L. Johnson. 1992. *Fish Bioenergetics 2 Model*. University of Wisconsin Sea Grant Institute, Madison.
- Hill, W. R. 1992. Food Limitation and Interspecific Competition in Snail-dominated Streams. *Canadian Jour. Fisheries and Aquatic Sciences* **49**:1257-1267.
- Hill, W. R. 1996. Light Effects. Pages 121-148 in R. J. Stevenson, M. L. Bothwell, and R. L. Lowe, editors. *Algal Ecology: Freshwater Benthic Ecosystems*. Academic Press, San Diego.
- Hill, W. R. and H. L. Boston. 1991. Community development alters photosynthesis-irradiance relations in stream periphyton. *Limnol. Oceanogr.* **36**:1375-1389.
- Hill, W. R. and G. E. Napolitano. 1997. PCB Congener Accumulation by Periphyton, Herbivores, and Omnivores. *Archives of Environmental Contamination and Toxicology* **32**:449-455.
- Hodson, R. G. 1989. Hybrid Striped Bass Biology and Life History. Southern Regional Aquaculture Center Publication No. 300.
- Horne, A. J. and C. R. Goldman. 1994. *Limnology*. Second edition. McGraw-Hill, New York.
- Jansen, W., G. Bauer, and E. Zahner-Meike. 2001. Glochidial Mortality in Freshwater Mussels. Pages 185-211 in G. Bauer and K. Wächtler, editors. *Ecology and Evolution of the Freshwater Mussels Unionoida*. Springer-Verlag, Berlin.
- Jones, W. W. and S. Sauter. 2005. Distribution and Abundance of *Cylindrospermopsis raciborskii* in Indiana Lakes and Reservoirs. Office of Water Quality, Indiana Department of Environmental Management, Indianapolis, Indiana.
- Jonsson, B., N. Jonsson, E. Brodtkorb, and P.-J. Ingebrigtsen. 2001. Life-History Traits of Brown Trout Vary with the Size of Small Streams. *Functional Ecology* **15**:310-317.
- Jørgensen, L. A., S. E. Jørgensen, and S. N. Nielsen. 2000. *ECOTOX: Ecological Modelling and Ecotoxicology*. Elsevier Science B.V.
- Jørgensen, S. E., editor. 1979. *Handbook of Environmental Data and Ecological Parameters*. Pergamon Press, Oxford.

- Keembiyehetty, C. N. and R. P. Wilson. 1998. Effect of water temperature on growth and nutrient utilization of sunshine bass (*Morone chrysops* H *Morone saxatilis*) fed diets containing different energy/protein ratios. . . Aquaculture **166**:151-162.
- Kilgour, B. W., G. L. Mackie, M. A. Baker, and R. Keppel. 1994. Effects of Salinity on the Condition and Survival of Zebra Mussels (*Dreissena polymorpha*). Estuaries **17**:385-393.
- Kimmerer, W. J. and A. D. McKinnon. 1987. Growth, mortality, and secondary production of the copepod *Acartia tranteri* in Westernport Bay, Australia. Limnol. Oceanogr. **32**:14-28.
- Kiorboe, T., F. Mohlenberg, and O. Nohr. 1981. Effect of suspended bottom material on growth and energetics in *Mytilus edulis*. Marine Biology **61**:283-288.
- Kitchell, J. F., J. F. Koonce, R. V. O'Neill, H. H. Shugart, Jr., J. J. Magnuson, and R. S. Booth. 1974. Model of Fish Biomass Dynamics. Trans. American Fisheries Soc. **103**:786-798.
- Kitchell, J. F., D. J. Stewart, and D. Weininger. 1977. Applications of a Bioenergetics Model to Yellow Perch (*Perca flavescens*) and Walleye (*Stizostedion vitreum vitreum*). Jour. Fish. Res. Board Canada **34**:1922-1935.
- Konopka, A. and T. D. Brock. 1978. Effect of Temperature on Blue-Green Algae (Cyanobacteria) in Lake Mendota. Applied and Environmental Microbiology **36**:572-576.
- Krause-Jensen, D. and K. Sand-Jensen. 1998. Light Attenuation and Photosynthesis of Aquatic Plant Communities. Limnol. Oceanog. **43**:396-407.
- Landrum, P. F., W. A. Frez, and M. S. Simmons. 1992. The effect of food consumption on the toxicokinetics of benzo(a)pyrene and 2,2',4,4',5,5'-hexachlorobiphenyl in *Mysis relicta*. Chemosphere **25**:397-415.
- Landrum, P. F., S. D. Robinson, D. C. Gossiaux, J. You, M. J. Lydy, S. Mitra, and T. E. M. Ten Hulscher. 2007. Predicting bioavailability of sediment-associated organic contaminants for *Diporeia* spp. and oligochaetes. Environmental Science & Technology **41**:6442-6447.
- Larson, S. C., M. J. Van Den Avyle, and E. L. Bozeman, Jr. 1989. Species Profiles: Life Histories and Environmental Requirements of Coastal Fishes and Invertebrates (South Atlantic)--Brown Shrimp. Biol. Rep. 82(11.90), U.S. Fish Wildlife Service.
- Lassuy, D. R. 1983a. Species Profiles: Life Histories and Environmental Requirements (Gulf of Mexico)--Atlantic Croaker. FWS/OBS-82/11.3, U.S. Fish and Wildlife Service, Division of Biological Services.
- Lassuy, D. R. 1983b. Species Profiles: Life Histories and Environmental Requirements (Gulf of Mexico)--Brown Shrimp. FWS/OBS-82/11.1, U.S. Fish and Wildlife Service, Division of Biological Services.
- Lassuy, D. R. 1983c. Species Profiles: Life Histories and Environmental Requirements (Gulf of Mexico)--Gulf Menhaden. FWS/OBS-82/11.11, U.S. Fish and Wildlife Service, Division of Biological Services.
- Lassuy, D. R. 1983d. Species Profiles: Life Histories and Environmental Requirements (Gulf of Mexico)--Spotted Seatrout. FWS/OBS-82/11.4, U.S. Fish and Wildlife Service, Division of Biological Services.
- Lawrence, D., I. Valiela, and G. Tomasky. 2004. Estuarine calanoid copepod abundance in relation to season, salinity, and land-derived nitrogen loading, Waquoit Bay, MA. Estuarine, Coastal and Shelf Science **61**: 547-557
- Laws, E. A. and D. C. Wong. 1978. Studies of carbon and nitrogen metabolism by three marine phytoplankton species in nitrate-limited continuous culture. Jour. Phycology **14**:406-416.
- Le Cren, E. D. and R. H. Lowe-McConnell, editors. 1980. The Functioning of Freshwater Ecosystems. Cambridge University Press, Cambridge.

- Leidy, G. R. and R. M. Jenkins. 1977. The Development of Fishery Compartments and Population Rate Coefficients for Use in Reservoir Ecosystem Modeling. CR-Y-77-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, Miss.
- Love, J. and J. F. Savino. 1993. Crayfish (*Orconectes viridis*) Predation on Zebra Mussels (*Dreissena polymorpha*). Journal of Freshwater Ecology **8**:253-259.
- Macdonald, C. R. and C. D. Metcalfe. 1991. The concentration and distribution of PCB congeners in isolated Ontario lakes contaminated by atmospheric deposition. Can. J. Fish. Aquat. Sci. **48**:371-381.
- Macedo, C. F. and R. M. Pinto-Coelho. 2001. Nutritional Status Response of *Daphnia laevis* and *Moina micrura* from a Tropical Reservoir to Different Algal Diets: *Scenedesmus quadricauda* and *Ankistrodesmus gracilis*. Brazil Jour. Biol. **61**:555-562.
- Mackie, G. L. and D. W. Schloesser. 1996. Comparative Biology of Zebra Mussels in Europe and North America: An Overview. Amer. Zool. **36**:244-258.
- Madenjian, C. P. 1995. Removal of algae by the zebra mussel (*Dreissena polymorpha*) population in western Lake Erie: a bioenergetics approach. Can. J. Fish. Aquat. Sci. **52**:381-390.
- Matsubara, T., S. Nagasoe, Y. Yamasaki, T. Shikata, Y. Shimasaki, Y. Oshima, and T. Honjo. 2007. Effects of temperature, salinity, and irradiance on the growth of the dinoflagellate *Akashiwo sanguinea*. Jour. Exp. Mar. Biol. Ecol. **342**:226-230.
- Mayer, P., B. Halling-Sørensen, D. T. H. M. Sijm, and N. Nyholm. 1998. Toxic cell concentrations of three polychlorinated biphenyl congeners in the green alga *Selenastrum capricornutum*. Environmental Toxicology and Chemistry **17**:1848-1851.
- Mazzotti, F. J., L. G. Pearlstine, T. Barnes, S. A. Bortone, K. Chartier, A. M. Weinstein, and D. DeAngelis. 2008. Stressor Response Model for the Spotted Sea Trout, *Cynoscion nebulosus*, Circular 1523. Wildlife Ecology and Conservation Department, University of Florida.
- McCauley, E., R. M. Nisbet, A. M. De Roos, W. W. Murdoch, and W. S. C. Gurney. 1996. Structured Population Models of Herbivorous Zooplankton. Ecological Monographs **66**:479-501.
- McIntire, C. D. and J. A. Colby. 1978. A Hierarchical Model of Lotic Ecosystems. Ecol. Monographs **48**:167-190.
- McIntire, C. D., S. V. Gregory, A. D. Steinman, and G. A. Lamberti. 1996. Modeling benthic algal communities: an example from stream ecology. Pages 670-704 in R. J. Stevenson, M. L. Bothwell, and R. L. Lowe, editors. Algal Ecology. Academic Press Inc, San Diego, California.
- Megard, R. O., W. S. Combs, Jr., and A. S. Knoll. 1979. Attenuation of Light and Daily Integral Rates of Photosynthesis Attained by Planktonic Algae. Limnol. Oceanogr **24**:1038-1050.
- Michalski, M. 2003. Witness Statement, Appendix B, Overview of the Filamentous Alga *Cladophora*. Town of Oakville.
- Miller, T. J. 2001. Matrix-Based Modeling of Blue Crab Population Dynamics with Applications to the Chesapeake Bay. Estuaries **24**:535-544.
- Minello, T. J. 1999. Nekton Densities in Shallow Estuarine Habitats of Texas and Louisiana and the Identification of Essential Fish Habitat. American Fisheries Society Symposium **22**:43-75.
- Minello, T. J. and R. J. Zimmerman. 1991. The Role of Estuarine Habitats in Regulating Growth and Survival of Juvenile Penaeid Shrimp. Pages 1-16 in P. Deloach, W. J. Dougherty, and M. A. Davidson, editors. Frontiers of Shrimp Research. Elsevier Science Pub.
- Molony, B. 2001. Environmental requirements and tolerances of Rainbow trout (*Oncorhynchus mykiss*) and Brown trout (*Salmo trutta*) with special reference to Western Australia: A review. Fisheries Research Report NO. 130, Department of Fisheries, North Beach, Australia.

- Monaco, M. E. and D. M. Nelson. 1989. Distribution and Abundance of Fishes and Invertebrates in Texas Estuaries. ELMR Rept. No. 3, Strategic Assessment Branch, NOS/NOAA, Rockville MD.
- Moore, J. W. 1975. The role of algae in the diet of *Asellus aquaticus* L. and *Gammarus pulex* L. Anim. Ecol. **144**:719-730
- Mulholland, P. J., J. W. Feminella, B. G. Lockaby, and G. L. Hollon. 2007. Riparian Ecosystem Management at Military Installations: Determination of Impacts and Evaluation of Restoration and Enhancement Strategies. Oak Ridge National Laboratory, Oak Ridge TN.
- Muncy, R. J. 1984. Species Profiles: Life histories and environmental requirements of coastal fishes and invertebrates (South Atlantic)--white shrimp U.S. Fish Wildl. Serv. FWS/OBS-82/11.27. U.S. Army Corps of Engineers,TR EL-82-4.
- Muncy, R. J. and W. M. Wingo. 1983. Species Profiles: Life Histories and Environmental Requirements of Coastal Fishes and Invertebrates (Gulf of Mexico)--Sea Catfish and Gafftopsail Catfish. Biol. Rep. 82(11.5), U.S. Fish Wildlife Service.
- Naitoa, W., K.-i. Miyamoto, J. Nakanishib, S. Masunagaa, and S. M. Bartell. 2002. Application of an ecosystem model for aquatic ecological risk assessment of chemicals for a Japanese lake. 36 (2002) pp 1-14 Water Research **36**:1-14.
- Neil, J. H. and M. B. Jackson. 1982. Monitoring *Cladophora* growth conditions and the effect of phosphorus additions at a shoreline site in northeastern Lake Erie. Jour. Great Lakes Research **8**:30-34.
- Neilson, B. T., A. J. Hobson, N. von Stackelberg, M. Shupryt, and J. Ostermiller. 2012. Using Qual2K modeling to support nutrient criteria development and wasteload analyses in Utah. Utah State University.
- Niimi, A. J. 1983. Biological and Toxicological Effects of Environmental Contaminants in Fish and Their Eggs. Canadian Jour. Fisheries and Aquatic Sciences **40**:306-312.
- Nyholm, N. 1978. A simulation model for phytoplankton growth and nutrient cycling in eutrophic, shallow lakes. Ecol. Modelling **4**:279-310.
- Padilla, D. K. 2006 Growth rate and longevity of *Dreissena polymorpha* (Pallas): a review and recommendations for future study (accessed March 08 2010). . The Free Library <http://www.thefreelibrary.com/>.
- Poggiale, J.-C. and J.-C. Daunin. 2001. Long-term dynamics of three benthic *Ampelisca* (Crustacea-Amphipoda) populations from the Bay of Morlaix (western English Channel) related to their disappearance after the 'Amoco Cadiz' oil spill. Marine Ecology Progress Series **214**:201–209.
- Pritchard, G. and M. A. Leggott. 1987. Temperature, Incubation Rates and Origins of Dragonflies. Adv. Odonatol. **3**:121-126.
- Pusch, M., J. Siefert, and N. Walz. 2001. Filtration and Respiration Rates of Two Unionid Species and Their Impact on the Water Quality of a Lowland River. Pages 317-326 in G. Bauer and K. Wächtler, editors. Ecology and Evolution of the Freshwater Mussels Unionoida. Springer-Verlag, Berlin.
- Quinn, J. M., G. L. Steele, C. W. Hickey, and M. L. Vickers. 1994. Upper thermal tolerances of twelve New Zealand stream invertebrate species. New Zealand Journal of Marine and Freshwater Research **28**:391-397.
- Reagan, R. E. 1985. Species Profiles: Life Histories and Environmental Requirements of Coastal Fishes and Invertebrates (Gulf of Mexico)--Red Drum. Biol. Rep. 82(11.36), U.S. Fish Wildlife Service.
- Redfield, A. C. 1958. The Biological Control of Chemical Factors in the Environment. American Scientist **46**:205-222.

- Reed-Andersen, T., S. R. Carpenter, D. K. Padilla, and R. C. Lathrop. 2000. Predicted impact of zebra mussel (*Dreissena polymorpha*) invasion on water clarity in Lake Mendota. *Can. J. Fish. Aquat. Sci.* **57**:1617–1626.
- Reynolds, C. S. 1984. *The Ecology of Freshwater Phytoplankton*. Cambridge University Press, Cambridge.
- Rhee, G.-Y. 1973. A continuous culture study of phosphate uptake, growth rate and polyphosphate in *Scenedesmus* sp. . *J. Phycol.* **9**:495-506.
- Riley, G. A. and R. von Aux. 1949. *Jour. Marine Research* **8**:60-72.
- Robarts, R. D., and T. Zohary. 1987. Temperature Effects on Photosynthetic Capacity, Respiration, and Growth Rates of Bloom-forming Cyanobacteria. *New Zealand Journal of Marine and Freshwater Research* **21**:391-399.
- Rogers, S. G. and M. J. Van Den Avyle. 1983a. Species profiles: life histories and environmental requirements of coastal fishes and invertebrates (South Atlantic) -- Atlantic menhaden. FWS/OBS-82/11.11., U.S. Fish and Wildlife Service, Division of Biological Services.
- Rogers, S. G. and M. J. Van Den Avyle. 1983b. Species profiles: life histories and environmental requirements of coastal fishes and invertebrates (south Atlantic): Atlantic menhaden. FWS/OBS 82(11.11). U.S. Fish and Wildlife Service Biological Services Program.
- Rosemond, A. D. and S. H. Brawley. 1996. Species-specific Characteristics Explain the Persistence of *Stigeoclonium tenue* (Chlorophyta) in a Woodland Stream. *Journal of Phycology* **32**:54-63.
- Rowe, M., D. Essig, and B. Jessup. 2003. Guide to Selection of Sediment Targets for Use in Idaho TMDLs. Idaho Department of Environmental Quality, Boise, Idaho.
- Sauter, S. T., L. I. Crawshaw, and A. G. Maule. 2001. Behavioral thermoregulation by juvenile spring and fall Chinook salmon, *Oncorhynchus tshawytscha*, during smoltification. *Environmental Biology of Fishes* **61**:295-304.
- Scavia, D. and R. A. Park. 1976. Documentation of Selected Constructs and Parameter Values in the Aquatic Model CLEANER. *Ecological Modelling* **2**:33-58.
- Scheffer, M. 2004. *Ecology of Shallow Lakes*. Kluwer Academic Publishers, Dordrecht, The Netherlands.
- Schnoor, J. E. 1996. *Environmental Modeling: Fate and Transport of Pollutants in Water, Air, and Soil*. John Wiley & Sons, Inc., New York.
- Sellers, M. A. and J. G. Stanley. 1984. Species Profiles: Life Histories and Environmental Requirements of Coastal Fishes and Invertebrates (North Atlantic)--American Oyster. FWS/OBS-82/11.23, U.S. Fish and Wildlife Service.
- Smith, W. O. 1979. A carbon budget for the autotrophic ciliate *Mesodinium rubrum*. *J. Phycology* **15**:27-33. . *Jour. Phycology* **15**:27-33.
- Spada, M., N. Ringler, S. Effler, and D. Matthews. 2002. Invasion of Onondaga Lake, New York, by the zebra mussel (*Dreissena polymorpha*) following reductions in N pollution. *Journal of the North American Benthological Society* **21**:634-650.
- Sterner, R. W. and J. J. Elser. 2002. *Ecological Stoichiometry: The Biology of Elements from Molecules to the Biosphere*. Princeton University Press, Princeton NJ.
- Sterner, R. W. and N. B. George. 2000. Carbon, Nitrogen, and Phosphorus Stoichiometry of Cyprinid Fishes. *Ecology* **81**:127-140.
- Stockwell, J. D. and O. E. Johannsson. 1997. Temperature-dependent allometric models to estimate zooplankton production in temperate freshwater lakes. *Can. J. Fish. Aquat. Sci.* **54**:2350–2360
- Stream Bryophyte Group. 1999. Role of Bryophytes in Stream Ecosystems. *Jour. North American Benthological Society*, **18**:151-184.

- Thomann, R. V. 1989. Bioaccumulation Model of Organic Chemical Distribution in Aquatic Food Chains. *Environ. Sci. Technol.* **23**:699-707.
- Thorp, J. H. and A. P. Covich, editors. 1991. *Ecology and Classification of North American Freshwater Invertebrates*. Academic Press, San Diego.
- Tomlinson, L. M., M. T. Auer, H. A. Bootsma, and E. M. Owens. 2010. The Great Lakes *Cladophora* Model: Development, testing, and application to Lake Michigan. *Journal of Great Lakes Research* **36**:287-297.
- Tsujimura, S., K. Ishikawa, and H. Tsukada. 2001. Effect of temperature on growth of the cyanobacterium *Aphanizomenon flos-aquae* in Lake Biwa and Lake Yogo. *Phycological Research* **49**:275-280.
- U.S. Environmental Protection Agency. 1988. *The Effects of Chlorpyrifos on a Natural Aquatic System: A Research Design for Littoral Enclosure Studies and Final Research Report*. Duluth MN.
- U.S. Environmental Protection Agency. 2000. *Ambient Aquatic Life Water Quality Criteria for Dissolved Oxygen (Saltwater): Cape Cod to Cape Hatteras*. EPA-822-R-00-012, Office of Water, Washington DC.
- Urabel, J. and Y. Watanabe. 1990. Influence of food density on respiration rate of two crustacean plankters, *Daphnia galeata* and *Bosmina longirostris*. *Oecologia* **82**:362-368.
- van Lierre, L., W. Zevenboorn, and L. R. Mur. 1977 Nitrogen as a Limiting Factor for the Growth of the Blue Green Alga *Oscillatoria agardhii*. *Prog. Water Tech.* **8**:301-312.
- Verduin, J. 1982. Components Contributing to Light Extinction in Natural Waters: Method of Isolation. *Arch. Hydrobiol.* **93**:303-312.
- Walz, N. 1995. Rotifer Populations in Plankton Communities: Energetics and Life History Strategies. *Experientia* **51**:437-453.
- Wetzel, R. G. 2001. *Limnology: Lake and River Ecosystems*. Third edition. Academic Press, San Diego.
- Williams, C. D., D. M. Nelson, L. Coston-Clements, M. E. Monaco, S. L. Stone, L. A. Settle, C. Iancu, and E. A. Irlandi. 1991. Distribution and Abundance of Fishes and Invertebrates in Eastern Gulf of Mexico Estuaries. ELMR Rept. No. 6, Strategic Assessment Branch, NOS/NOAA, Rockville MD.
- Wu, Y., C. Lin, and L. Yuan. 2007. Characteristics of six cladocerans in relation to ecotoxicity testing. *Ecological Indicators* **7**:768-775.

Remineralization

- Alexander, M. 1965. *Microbial Ecology*. John Wiley and Sons, New York.
- Brezonik, P. L., J. L. Fox, N. E. Carriker, J. G. Hand, J. D. Nisson, and T. V. Belanger. 1976. Analysis of eutrophication and water quality factors in the middle St. Johns River Basin. Florida Department of Environmental Regulation, Tallahassee.
- Collins, C. D., and J. H. Wlosinski. 1983. Coefficients for Use in the U.S. Army Corps of Engineers Reservoir Model, CE-QUAL-R1. Tech. Rept. E-83-15, Environmental Laboratory, U.S. Army Engineer Waterways Experiment Station, Vicksburg, Miss.
- Di Toro, D. M. 2001. *Sediment Flux Modeling*. Wiley-Interscience, New York.
- Hendrey, G. R., editor. 1984. *Early Biotic Responses to Advancing Lake Acidification*. Butterworth Publishers, Woburn, Mass.
- Hendrickson, J., N. Trahan, E. Gordon, and Y. Ouyang. 2007. Estimating Relevance of Organic Carbon, Nitrogen, and Phosphorus Loads to a Blackwater River Estuary. *Journal American Water Works Association* **45**:264-279.
- Ishikawa, M., and M. Ishikuni. 1981. Coprecipitation of phosphate with calcite. *Geoch. Jour.* **28**:283-288.

- Le Cren, E. D., and R. H. Lowe-McConnell, editors. 1980. *The Functioning of Freshwater Ecosystems*. Cambridge University Press, Cambridge.
- Lyman, W. J., W. F. Reehl, and D. H. Rosenblatt. 1982. *Handbook of Chemical Property Estimation Methods*. McGraw-Hill, New York.
- Redfield, A. C. 1958. The Biological Control of Chemical Factors in the Environment. *American Scientist* **46**:205-222.
- Scavia, D. 1980. An Ecological Model of Lake Ontario. *Ecological Modelling* **8**:49-78.
- Sterner, R. W., and J. J. Elser. 2002. *Ecological Stoichiometry: The Biology of Elements from Molecules to the Biosphere*. Princeton University Press, Princeton NJ.
- Thomann, R. V., and J. Mueller. 1987. *Principles of Surface Water Quality Modeling and Control*. HarperCollins, New York, NY.
- Wetzel, R. 2001. *Limnology*, third edition. Academic Press, San Diego, California.
- Winberg, G. G. 1971. *Symbols, Units and Conversion Factors in Studies of Freshwater Productivity*. International Biological Programme Central Office, London.

Chemicals

- Agency for Toxic Substances and Disease Registry. 2000. *Toxicological Profile for Polychlorinated Biphenyls (PCBs)*. *in*. US Department of Health and Human Services.
- Barber, M. C. 2003. A review and comparison of models for predicting dynamic chemical bioconcentration in fish. *Environmental Toxicology & Chemistry* **22**:1963–1992.
- Bechtel Engineering Inc. 1993. Remedial Investigation Report for the Sangamo Weston Inc./Twelve Mile Creek/Lake Hartwell PCB Contamination Superfund Site Operable Unit Two at Pickens, Pickens County, South Carolina (vol. 2 of 2). Contract No. 68-W9-0058, Bechtel Environmental Inc.
- Boethling, R. S., and D. Mackay. 2000. *Handbook of Property Estimation Methods for Chemicals: Environmental and Health Sciences*. Lewis Publishers, Boca Raton.
- Brunner, S., E. Hornung, H. Santi, E. Wolff, O. G. Piringer, J. Altschuh, and R. Brüggemann. 1990. Henry's Law Constants for Polychlorinated Biphenyls: Experimental Determination and Structure-Property Relationships. *Environ. Sci. Technology* **24**:1751-1754.
- Burns, L. A., B. W. Allen, Jr., M. C. Barber, S. L. Bird, J. M. Cheplick, M. J. Fendley, D. R. Hartel, C. A. Kittener, F. L. Mayer, Jr., L. A. Suárez, and S. E. Wooten. 1991. PIRANHA-Pesticide and Industrial Chemical Risk Analysis and Hazard Assessment. *in*. U.S. Environmental Protection Agency Environmental Research Laboratory, Athens, Georgia.
- Cahill, T. M., I. Cousins, and D. Mackay. 2003. General Fugacity-Based Model to Predict The Environmental Fate of Multiple Chemical Species. *Environ. Toxicology Chemistry* **22**:483-493.
- Callahan, M. A. 1979. Water Related Environmental Fate of 129 Priority Pollutants. EPA 440/4-79-029b, U.S. Environmental Protection Agency, Washington.
- Chesters, G., G. V. Simsiman, J. Levy, B. J. Alhajjar, R. N. Fathulla, and J. M. Harkin. 1989. Environmental Fate of Alachlor and Metolachlor. Pages 1-74 *in* G. W. Ware, editor. *Reviews of Environmental Contamination and Toxicology*.
- Day, K. E., N. K. Kaushik, and K. R. Solomon. 1987. Impact of Fenvalerate on Enclosed Freshwater Planktonic Communities and on the *In Situ* Rates of Filtration of Zooplankton. *Can. J. Fish. Aquat. Sci* **44**:1714-1728.
- Gibson, W. P., and R. G. Burns. 1977. The Breakdown of Malathion in Soil and Soil Components. *Microbial Ecology* **3**:219-230.
- Hansch, C., J. McClarin, T. Klein, and R. Langridge. 1985. A QSAR and Molecular Graphics Study of Carbonic Anhydrase Inhibitors. *Mol. Pharmacol.* **27**:493-498.

- Harris, J. C. 1982. 8 Aqueous Photolysis. Pages 8-1 to 8-43 in W. J. Lyman, W. F. Reehl, and D. H. Rosenblatt, editors. *Handbook of Chemical Property Estimation Methods*. McGraw-Hill, New York.
- Hekster, F. M., R. Laane, and P. De Voogt. 2003. Environmental and toxicity effects of perfluoroalkylated substances. *Rev. Environ. Contam. Toxicol.* **179**:99-121.
- Hornsby, A. G., R. D. Wauchope, and A. E. Herner. 1996. *Pesticide Properties in the Environment*. Springer, New York.
- Howard, P. H. 1989. *Handbook of Environmental Fate and Exposure Data for Organic Chemicals*. Lewis Publishers, Chelsea, Michigan.
- Isobe, T., H. Nishiyama, A. Nakashima, and H. Takada. 2001. Distribution and Behavior of Nonylphenol, Octylphenol, and Nonylphenol Monoethoxylate in Tokyo Metropolitan Area: Their Association with Aquatic Particles and Sedimentary Distributions. *Environ. Sci. Technol.* **35**:1041-1049.
- John, D. M., W. A. House, and G. F. White. 2000. Environmental fate of nonylphenol ethoxylates: Differential adsorption of homologs to components of river sediment. *Environ. Toxicol. Chem.* **19**:293-300.
- Jonkers, N., R. W. Laane, and P. de Voogt. 2003. Fate of Nonylphenol Ethoxylates and Their Metabolites in Two Du Estuaries: Evidence of Biodegradation in the Field. *Environ. Sci. Technol.* **37**:321-327.
- Lalah, J. O., A. Behechti, G. F. Severin, D. Lenoir, K. Günther, A. Kettrup, and K.-W. Schramm. 2003. The Bioaccumulation and Fate of a Branched ^{14}C -*p*-Nonylphenol Isomer in *Lymnaea stagnalis* L. *Environmental Toxicology and Chemistry* **22**:1428-1436.
- Lemley, A. T., and W. Z. Zhong. 1983. Kinetics of Aqueous Base and Acid Hydrolysis of Aldicarb, Aldicarb Suloxide and Aldicarb Sulfone. *Jour. Environmental Science and Health* **B18**:189-206.
- Lyman, W. J., W. F. Reehl, and D. H. Rosenblatt. 1982. *Handbook of Chemical Property Estimation Methods*. McGraw-Hill, New York.
- Mabey, W. R., J. H. Smith, R. T. Podoll, H. L. Johnson, T. Mill, T. W. Chou, J. Gates, I. W. Partridge, H. Jaber, and D. Vendenberg. 1982. *Aquatic Fate Processes Data for Organic Priority Pollutants*. EPA 440-4-81-014, U.S. Environmental Protection Agency, Office of Water Regulations and Standards, Washington.
- Mackay, D., H. Puig, and L. S. McCarty. 1992. An Equation Describing the Time Course and Variability in Uptake and Toxicity of Narcotic Chemicals to Fish. *Environmental Toxicology and Chemistry* **11**:941-951.
- Martin, J. L., R. A. Ambrose, and T. A. Wool. 2006. WASP7 Benthic Algae - Model Theory and User's Guide. U.S. Environmental Protection Agency, Athens, Georgia.
- Martin, J. W., S. A. Mabury, K. R. Solomon, and D. C. G. Muir. 2003a. Bioconcentration and Tissue Distribution of Perfluorinated Acids in Rainbow Trout (*Oncorhynchus mykiss*). *Environmental Toxicology and Chemistry* **22**:196-204.
- Martin, J. W., S. A. Mabury, K. R. Solomon, and D. C. G. Muir. 2003b. Dietary Accumulation of Perfluorinated Acids in Juvenile Rainbow Trout (*Oncorhynchus mykiss*). *Environmental Toxicology and Chemistry* **22**:189-195.
- McCall, P. J., R. L. Swann, and W. R. Bauriedel. 1985. Volatility Characteristics of Chlorpyrifos from Soil. GH-C 1782, Dow Chemical U.S.A., Midland, Michigan.
- McCall, P. J., R. L. Swann, and D. A. Laskowski. 1983. Partition models for equilibrium distribution of chemicals in environmental compartments. Pages 105-123 in R. L. Swann and A. Eschenroeder, editors. *Fate of Chemicals in the Environment*. American Chemical Society, Washington, DC. .
- OECD. 2002. Co-operation On Existing Chemicals: Hazard Assessment of Perfluorooctane Sulfonate (PFOS) and Its Salts. ENV/JM/RD(2002)17/FINAL, Organization for Economic Co-operation and Development.

- Ohkawa, H., R. Kikuchi, and J. Miyamoto. 1980. Bioaccumulation and Biodegradation of the (S)-acid Isomer of Fenvalerate (Sumicidin) in an Aquatic Model Ecosystem. Nippon Noyaku Gakkaishi **5**:11-22.
- Oregon State University. EXTOXNET, The EXtension TOXicology NETwork. *in.* <http://ace.orst.edu/info/extoxnet/>.
- Schimmel, S. C. 1983. Acute Toxicity, Bioaccumulation, and Persistence of AC 222,703, Benthiocarb, Chlorpyrifos, Fenvalerate, Methyl Parathion, and Permethrin in the Estuarine Environment. *Jour. Agric. Food Chem.* **31**:104-113.
- Schwarzenbach, R., P. M. Gschwend, and D. M. Imboden. 1993. Environmental Organic Chemistry. John Wiley & Sons, New York.
- Scow, K. M. 1982. Rate of Biodegradation. Pages 9-1 to 9-85 *in* W. J. Lyman, W. F. Reehl, and D. H. Rosenblatt, editors. Handbook of Chemical Property Estimation Methods. McGraw Hill, New York.
- Servos, M. R., R. J. Maguire, D. T. Bennie, H.-B. Lee, P. M. Cureton, N. Davidson, R. Sutcliffe, and D. F. K. Rawn. 2000. Priority Substances List - Supporting Document for Nonylphenol and its Ethoxylates. Environment Canada, Ottawa, Canada.
- Solomon, K. R., D. B. Baker, R. P. Richards, K. R. Dixon, S. J. Klaine, T. W. La Pointe, R. J. Kendall, C. P. Weisskopf, J. M. Giddings, J. P. Giesy, L. W. Hall, and M. Williams. 1996. Ecological Risk Assessment of Atrazine in North American Surface Waters. *Environmental Toxicology and Chemistry* **15**:31-76.
- Suárez, L. A., and M. C. Barber. 1992. PIRANHA Version 2.0, FGETS Version 3.0-11 User's Manual. U.S. Environmental Protection Agency, Athens, Georgia:.
- Suntio, L. R., W. Y. Shiu, D. Mackay, J. N. Seiber, and D. Glotfelty. 1988. Critical Review of Henry's Law Constants for Pesticides. Pages 1-59 *in* G. W. Ware, editor. Reviews of Environmental Contamination and Toxicology.
- Tabak, H. H., S. A. Quave, C. I. Mashni, and others. 1981. Biodegradability Studies with Organic Priority Pollutant Compounds. *Jour. Water Pollution Control Federation* **53**:1503-1518.
- U.S. Department of Agriculture Agricultural Research Service. The ARS Pesticide Properties Database *in* <http://www.ars.usda.gov/Services/docs.htm?docid=14199>.
- U.S. Environmental Protection Agency. Pesticide Environmental Fate One Line Summary *in.* U.S. EPA Environmental Fate and Effects Division.
- U.S. Environmental Protection Agency. Pesticide Fact Sheets. *in.* US EPA, http://www.epa.gov/pesticides/factsheets/alpha_fs.htm.
- U.S. Environmental Protection Agency. 1995. Great Lakes Water Quality Initiative Technical Support Document for the Procedure to Determine Bioaccumulation Factors. EPA-820-B-95-005, U.S. Environmental Protection Agency, Washington, D.C.
- U.S. Environmental Protection Agency. 2003. Ambient Aquatic Life Water Quality Criteria for Atrazine--Revised Draft. EPA-822-R-03-023, U.S. Environmental Protection Agency Office of Water, Washington.
- U.S. Environmental Protection Agency. 2011. Estimation Programs Interface Suite™ for Microsoft® Windows, v 4.10. *in.* United States Environmental Protection Agency, EPI Suite.
- Verscheuren, K. 1983. Handbook of Environmental Data on Organic Chemicals, Second edition. Van Nostrand Reinhold, New York.

Toxicity

- Brooke, L. T. 1993. Acute and chronic toxicity of nonylphenol to ten species of aquatic organisms. USEPA contract no. 68-C1-0034. U.S. Environmental Protection Agency, Duluth, MN.
- Burkhard, L. P. 1998. Comparison of Two Models for Predicting Bioaccumulation of Hydrophobic Organic Chemicals in a Great Lakes Food Web. *Environmental Toxicology and Chemistry* **17**:383-393.
- Fairchild, J., L. Sappington, and D. Ruessler. 1999. An ecological risk assessment of the potential for herbicide impacts on primary productivity of the lower Missouri River. Pages 323–330 *in* D. Morganwarp and H. Buxton, editors. *Contamination of Hydrologic Systems and Related Ecosystems*, Water-Resour. Invest. Rep. 99-4018B. U.S. Geological Survey Toxic Substances Hydrology Program.
- Fairchild, J. F., D. S. Ruessler, and A. R. Carlson. 1998. Comparative sensitivity of five species of macrophytes and six species of algae to atrazine, metribuzin, alachlor, and metolachlor. *Environ. Tox. Chem.* **17**:1830-1834.
- Hill, W. R., and G. E. Napolitano. 1997. PCB Congener Accumulation by Periphyton, Herbivores, and Omnivores. *Archives of Environmental Contamination and Toxicology* **32**:449-455.
- Holcombe, G. W., D. A. Benoit, D. E. Hammermeister, E. N. Leonard, and R. D. Johnson. 1995. Acute and long-term effects of nine chemicals on the Japanese medaka (*Oryzias latipes*). *Arch. Environ. Contam. Toxicol.* **28**:287-297.
- Jørgensen, L. A., S. E. Jørgensen, and S. N. Nielsen. 2000. ECOTOX: Ecological Modelling and Ecotoxicology. Elsevier Science B.V.
- Landrum, P. F., and W. R. Faust. 1991. Effect of variation in sediment composition on the uptake rate coefficient for selected PCB and PAH congeners by the amphipod *Diporeia* sp. Pages 263-279 *in* M. A. Mayes and M. G. Barron, editors. *Aquatic Toxicology and Risk Assessment*: ASTM STP 1124. American Society for Testing and Materials, Philadelphia.
- Mayer, F. L., Jr., and M. R. Ellersieck. 1986. Manual of Acute Toxicity: Interpretation and Data Base of 410 Chemicals and 66 Species of Freshwater Animals. Resource Publ. 160, U.S. Department of the Interior, Fish and Wildlife Service, Washington.
- OECD. 2002. Co-operation On Existing Chemicals: Hazard Assessment of Perfluorooctane Sulfonate (PFOS) and Its Salts. ENV/JM/RD(2002)17/FINAL, Organization for Economic Co-operation and Development.
- Raimondo, S., D. N. Vivian, and M. G. Barron. 2010. Web-based Interspecies Correlation Estimation (Web-ICE) for Acute Toxicity: User Manual. Version 3.0. EPA/600/R-10/004, U.S. Environmental Protection Agency, Gulf Breeze, FL.
- Siefert, R. E., L. J. Heinis, M. L. Knuth, R. L. Anderson, J. C. Brazner, N. Larson, and D. A. Jensen. 1987. Effects of Dursban (chlorpyrifos) on aquatic organisms in enclosures in a natural pond. Final report. 1987-6, Environmental Research Laboratory, USEPA, Duluth, MN.
- U.S. Environmental Protection Agency. 1981. AQUIRE (AQUatic toxicity Information REtrieval).
- U.S. Environmental Protection Agency. 1988. The Effects of Chlorpyrifos on a Natural Aquatic System: A Research Design for Littoral Enclosure Studies and Final Research Report. Duluth MN.
- U.S. Environmental Protection Agency. 2002. ECOTOX User Guide: ECOTOXicology Database System. Version 3.0.
- US Environmental Protection Agency. 1987. Pesticide Fact Sheet Number 145: Fenvalerate. Office of Pesticide Programs, Washington DC.