

## ***Journal Publications***

- Anderson, I. C., C. Tobias, R. Neikirk, and B. B. Wetzel. 1997. Development of a Process-based Nitrogen Mass Balance Model for a Virginia *Spartina alterniflora* Salt Marsh: Implications for Net DIN Flux. *Marine Ecology Progress Series* **159**:13-27.
- Bailey, N., R. C. Kochel, and C. R. Carlson. 1998. Barrier Island Landform and Vegetation Response to Coastal Process Variables on the Virginia Coast Reserve. Pages 2 in *Geological Society of America Abstracts with Programs*.
- Baker, K. S., B. Benson, D. L. Henshaw, D. Blodgett, J. H. Porter, and S. G. Stafford. 2000. Evolution of a Multi-Site Network Information System: the LTER Information Management Paradigm. *BioScience*:963-978.
- Blum, L. K. 1995. Pulsed Ecosystems - a New Paradigm - Papers from a Symposium Dedicated to Odum, William, Eugene (1942-1991). *Estuaries* **18**:545-546.
- Brinson, M. M. 1996. The role of reference wetlands in functional assessment and mitigation. *Ecological Applications* **6**:69-76.
- Brinson, M. M. 1999. Endangered forests (book review). *Wetlands* **19**:807-809.
- Brinson, M. M. 2000. Fluvial forms and processes: A new perspective (book review). *Ecological Engineering* **14**:307-308.
- Brinson, M. M., and R. R. Christian. 1999a. Stability and response of *Juncus roemerianus* patches in a salt marsh. *Wetlands* **19**:65-70.
- Brinson, M. M., and R. R. Christian. 1999b. Stability of *Juncus roemerianus* patches in a salt marsh. *Wetlands* **19**:65-70.
- Brinson, M. M., R. R. Christian, and L. K. Blum. 1995. Multiple States in the Sea-Level Induced Transition from Terrestrial Forest to Estuary. *Estuaries* **18**:648-659.
- Carter, G. A., and D. R. Young. 1995. Foliar spectral reflectance and plant stress on a barrier island. *International Journal of Plant Science* **154**:298-305.
- Christian, R. R. 1994. Aggregation and Disaggregation of Microbial Food Webs. *Microbial Ecology* **28**:327-329.
- Christian, R. R., E. Fores, F. Comin, P. Viaroli, M. Naldi, and I. Ferrari. 1996. Nitrogen cycling networks of coastal ecosystems: Influence of trophic status and primary producer form. *Ecological Modelling* **87**:111-129.
- Christian, R. R., and B. P. Hayden. 1995. Long-term ecological research in the United States, an international initiative and implications for Italy. *Bollettino della Societa italiana di Ecologia* **16**:60-63.
- Christian, R. R., and J. J. Luczkovich. 1999. Organizing and understanding a winter's seagrass foodweb network through effective trophic levels. *Ecological Modelling* **117**:99-124.
- Christiansen, T., P. L. Wiberg, and T. G. Milligan. 2000. Flow and sediment transport on a salt marsh surface. *Estuarine, Coastal and Shelf Science* **50**:315-331.
- Conn, C. E., and F. P. Day. 1996. Response of root and cotton strip decay to nitrogen amendment along a barrier island dune chronosequence. *Canadian Journal of Botany* **74**:276-284.

- Conn, C. E., and F. P. Day. 1997. Root decomposition across a barrier island chronosequence: litter quality and environmental controls. *Plant and Soil* **195**:351-364.
- Crawford, E. R., and D. R. Young. 1998a. Comparison of gaps and intact shrub thickets on an Atlantic coast barrier island. *American Midland Naturalist* **140**:68-77.
- Crawford, E. R., and D. R. Young. 1998b. Gap dynamics within shrub thickets on an Atlantic Coast barrier island. *American Midland Naturalist* **140**:68-77.
- Crawford, E. R., and D. R. Young. 1998c. Spatial/temporal variations in shrub thicket soil seed banks on an Atlantic coast barrier island. *American Journal of Botany* **85**:1739-1744.
- Culver, S. J., H. J. Woo, G. F. Oertel, and M. A. Buzas. 1996. Foraminifera of coastal depositional environments, Virginia, USA: Distribution and taphonomy. *Palaios* **11**:459-486.
- Davis, R. E., B. P. Hayden, D. A. Gay, W. L. Phillips, and G. V. Jones. 1997. The North Atlantic Subtropical anticyclone. *Journal of Climatology* **10**:728-744.
- Day, F. P. 1995. Environmental influences on belowground decomposition on a coastal barrier island determined by cotton strip assay. *Pedobiologia* **39**:289-303.
- Day, F. P. 1996. Effects of nitrogen availability on plant biomass along a barrier island dune chronosequence. *Castanea* **61**:369-381.
- Dilustro, J. J., and F. P. Day. 1997. Aboveground biomass and net primary production along a Virginia barrier island chronosequence. *Amer. Mid. Nat.* **137**:27-38.
- Erwin, R. M. 1996. Dependence of waterbirds and shorebirds on shallow-water habitats in the mid-Atlantic coastal region: an ecological profile and management recommendations. *Estuaries* **19**:213-219.
- Erwin, R. M., T. B. Eyler, J. S. Hatfield, and S. McGary. 1998a. Diets of nestling Gull-billed Terns in coastal Virginia. *Colonial Waterbirds* **21**:323-327.
- Erwin, R. M., T. B. Eyler, D. B. Stotts, and J. S. Hatfield. 1999. Aspects of chick growth in Gull-billed Terns in coastal Virginia. *Waterbirds* **22**:47-53.
- Erwin, R. M., J. Haig, D. Stotts, and J. S. Hatfield. 1996a. Dispersal and habitat use by post-fledging juvenile Snowy Egrets and Black-crowned Night-Herons. *Wilson Bulletin* **108**:342-356.
- Erwin, R. M., J. Haig, D. Stotts, and J. S. Hatfield. 1996b. Nest success, growth, and survival of young Snowy Egrets and Black-crowned Night-Herons in coastal Virginia. *Auk* **113**:119-130.
- Erwin, R. M., J. D. Nichols, T. B. Eyler, D. B. Stotts, and B. R. Truitt. 1998b. Modeling colony site dynamics: a case study of Gull-billed Terns in coastal Virginia. *Auk* **115**:970-978.
- Eyler, T. B., R. M. Erwin, D. B. Stotts, and J. S. Hatfield. 1999. Aspects of hatching success and chick survival in Gull-billed Terns in coastal Virginia. *Waterbirds* **22**:54-59.
- Farleigh, K. 1996. The influence of overwash on the hydrology and vegetation of a pimple on Parramore Island, Virginia Coast Reserve. *Geological Society of America, Abs. w. Prog.* **28**:53.
- Fenster, M. S., and R. Dolan. 1994. Large-scale reversals in shoreline trends along the U.S. mid-Atlantic coast. *Geology* **22**:543-546.

- Fenster, M. S., and R. Dolan. 1996. Assessing the impact of tidal inlets on adjacent barrier island shorelines. *Journal of Coastal Research* **12**:294-310.
- Forys, E. A., and N. D. Moncrief. 1994. Gene flow among island populations of marsh rice rats (*Oryzomys palustris*). *Virginia Journal of Science* **45**:3-11.
- Foyle, A. M., and G. F. Oertel. 1994. Seismic stratigraphy and coastal drainage in the Quaternary section of the southern Delmarva Peninsula, VA, USA. *Sedimentary Geology*.
- Foyle, A. M., and G. F. Oertel. 1997. Transgressive systems tract development and incised-valley fills within a Quaternary estuary-shelf system: Virginia inner shelf, USA. *Marine Geology* **137**:227-249.
- Franklin, R. B., D. R. Taylor, and A. L. Mills. 1999. Characterization of microbial communities using randomly amplified polymorphic DNA (RAPD). *J. Microbial Meth.* **3**:225-235.
- Galloway, J. N. 1998. The global N cycle: changes and consequences. *Environmental Pollution*, **102**:15-26.
- Galloway, J. N. R., A. Howarth, S. Michaels, and J. M. Nixon. 1996. N and P budgets of the North Atlantic Ocean and its watershed. *Biogeochemistry* **35**:3-25.
- Halama, K. J., and R. D. Dueser. 1994. Of mice and habitats: Tests for density-dependent habitat selection. *Oikos* **69**:107-114.
- Hayden, B. P. 1998. Ecosystem feedbacks on climate at the landscape scale. *Philosophical Transactions of the Royal Society of London Series B-Biological Sciences* **353**:5-18.
- Hayden, B. P. 1999. Climate change and extratropical storminess in the United States: An assessment. *Journal of the American Water Resources Association* **35**:1387-1397.
- Hayden, B. P., and J. A. M. Hayden. 1994. The Land Must Change to Stay the Same. *Virginia Explorer* **1994**:2-7.
- Hayden, B. P., M. C. F. V. Santos, G. Shao, and R. C. Kochel. 1995. Geomorphological controls on coastal vegetation at the Virginia Coast Reserve. *Geomorphology* **13**:283-300.
- Howarth, R., D. Anderson, J. Cloern, C. Elfring, C. Hopkinson, B. Lapointe, T. Malone, N. Marcus, K. McGlathery, A. Sharpley, and D. Walker. 2000. Nutrient Pollution of Coastal Rivers, Bays and Seas. *Ecological Issues* **7**:2-15.
- Layman, C. 2000. Fish Assemblage Structure of the Shallow Ocean Surf-Zone on the Eastern Shore of Virginia Barrier Islands. *Estuarine, Coastal and Shelf Science* **51**:210.
- Layman, C., and A. D. E. Smith. 2000. Sampling Bias of Minnow Traps in Shallow Aquatic Habitats on the Eastern Shore of Virginia. *Wetlands* **24**:145-154.
- Layman, C. A., D. E. Smith, and J. D. Herod. 2000. Seasonally Varying Importance of Abiotic and Biotic Factors in Marsh-Pond Fish Communities. *Marine Ecology Progress Series* **207**:155-169.
- Lowit, M. B., L. K. Blum, and A. L. Mills. 2000. Determining replication for discrimination among microbial communities in environmental samples using community-level physiological profiles. *FEMS Microbiology Ecology* **32**:97-102.
- Loxterman, J. L., N. D. Moncrief, R. D. Dueser, C. R. Carlson, and J. F. Pagels. 1998. Dispersal abilities and genetic population structure of insular and mainland *Oryzomys palustris* and *Peromyscus leucopus*. *Journal of Mammalogy* **79**:66-77.

- Martin, D. W., and D. R. Young. 1997. Small-scale distribution and salinity response of *Juniperus virginiana* on an Atlantic Coast barrier island. *Canadian Journal of Botany-Revue Canadienne De Botanique* **75**:77-85.
- Michener, W. K., E. R. Blood, K. L. Bildstein, M. M. Brinson, and L. R. Gardner. 1997. Climate change, hurricanes and tropical storms, and rising sea level in coastal wetlands. *Ecological Applications* **7**:770-801.
- Moncrief, N. D., N. E. Cockett, A. D. Neff, T. W.L., and R. D. Dueser. 1997. Polymorphic microsatellites in the meadow vole *Microtus pennsylvanicus*: conservation of loci across species of rodents. *Molecular Ecology* **6**:299-301.
- Moncrief, N. D., and R. D. Dueser. 1998. First record of a masked shrew (*Sorex cinereus*) on the Eastern Shore of Virginia. *Banisteria* **12**:40-41.
- Moorhead, K. K., and M. M. Brinson. 1995. Response of wetlands to rising sea level in the lower coastal plain of North Carolina. *Ecological Applications* **5**:26.
- Murray, L. A., and J. D. Albertson. 1998. Space-Time Variability of Soil Moisture Along a Small Field Transect. *Transactions of the American Geophysical Union*.
- Neubauer, S. C., W. D. Miller, and I. C. Anderson. 2000. Carbon cycling in a tidal freshwater marsh ecosystem: a carbon gas flux study. *Marine Ecology Progress Series* **199**:13-30.
- Newell, S. Y., L. K. Blum, R. E. Crawford, T. Dai, and M. Dionne. 2000. Autumnal biomass and potential productivity of salt marsh fungi from 29 degrees to 43 degrees North latitude along the United States Atlantic coast. *Applied and Environmental Microbiology* **66**:180-185.
- Nuttle, W. K., and H. F. Hemond. 1994. Salt marsh hydrology: implications for biogeochemical fluxes to the atmosphere and estuaries. *Global Biogeochem. Cycles*.
- Oertel, G. F., and A. M. Foyle. 1995. Drainage Displacement by Sea-Level Fluctuation at the Outer Margin of the Chesapeake Seaway. *Journal of Coastal Research* **11**:583-604.
- Oertel, G. F., and H. J. Woo. 1994. Landscape Classification and Terminology for Marsh in Deficit Coastal Lagoons. *Journal of Coastal Research* **10**:919-932.
- Olson, R. J., J. M. Briggs, J. H. Porter, G. R. Mah, and S. G. Stafford. 1999. Managing Data from Multiple Disciplines, Scales, and Sites to Support Synthesis and Modeling. *Remote Sensing Environment* **70**:99-107.
- Osgood, D. T., M. Santos, and J. C. Zieman. 1995. Sediment Physico-Chemistry Associated with Natural Marsh Development on a Storm-Deposited Sand Flat. *Marine Ecology-Progress Series* **120**:271-283.
- Osgood, D. T., and J. C. Zieman. 1998. The influence of subsurface hydrology on nutrient supply and smooth cordgrass (*Spartina alterniflora*) production in a developing barrier island marsh. *Estuaries* **21**:767-783.
- Ray, G. C., B. P. Hayden, M. G. McCormick-Ray, and T. M. Smith. 1996. Land-seascape diversity of the USA east-coast coastal zone with particular reference to estuaries. *Marine Biodiversity*:337-371.
- Rheinhardt, R., D. F. Whigham, H. Kahn, and M. M. Brinson. 2000. Vegetation of headwater wetlands in the inner coastal plain of Virginia and Maryland. *Castanea* **65**:21-35.

- Rheinhardt, R. D., M. M. Brinson, and P. M. Farley. 1997. Applying wetland reference data to functional assessment, mitigation, and restoration. *Wetlands* **17**:195-215.
- Rheinhardt, R. D., M. C. Rheinhardt, M. M. Brinson, and K. Faser. 1998. Forested wetlands of low order streams in the inner coastal plain of North Carolina, USA. *Wetlands* **18**:365-378.
- Rheinhardt, R. D., M. C. Rheinhardt, M. M. Brinson, and K. E. Faser. 1999. Application of reference data for assessing and restoring headwater ecosystems. *Restoration Ecology* **7**:241-251.
- Russell, K. M., J. N. Galloway, W. C. Keene, and K. J. McGlathery. 2000. Characterization of particulate atmospheric nitrogen and implications for coastal deposition. *Eos Trans. AGU* **81**.
- Semones, S. W., and D. R. Young. 1995. VAM association in the shrub *Myrica cerifera* on a Virginia, USA barrier island. *Mycorrhiza* **5**:423-429.
- Shao, G., and P. Halpin. 1995. Climatic control of eastern North-American coastal tree and shrub distributions. *Journal of Biogeography* **22**:1083-1089.
- Shao, G., and H. H. Shugart. 1997. A compatible growth-density stand model derived from a distance-dependent individual tree model. *Forest Science* **43**:443-446.
- Shao, G., H. H. Shugart, and B. P. Hayden. 1996. Functional classifications for coastal barrier island vegetation. *Journal of Vegetation Science* **7**:391-396.
- Shao, G., H. H. Shugart, and T. M. Smith. 1995a. A role-type model (ROPE) and its application in assessing the impacts of climate change on forest landscape. *Vegetatio* **114**.
- Shao, G., H. H. Shugart, and D. R. Young. 1995b. Simulation of transpiration sensitivity to environmental changes for shrub (*Myrica cerifera*) thickets on a Virginia barrier island. *Ecological Modelling*. **78**:235-248.
- Shao, G. F., D. R. Young, J. H. Porter, and B. P. Hayden. 1998. An integration of remote sensing and GIS to examine the responses of shrub thicket distributions to shoreline changes on Virginia Barrier Islands. *Journal of Coastal Research* **14**:299-307.
- Shugart, H. H., W. R. Emanuel, and S. G. 1996. Models of forest structure for conditions of climatic change. *Commonwealth Forestry Review* **75**:51-64.
- Snook, R. E., and F. P. Day. 1995. Community-level allometric relationships among length, planar area and biomass of fine roots on a coastal barrier island. *Bull. Torrey Bot. Club* **122**.
- Stevenson, M. J., and F. P. Day. 1996. Fine root biomass distribution and production along a barrier island chronosequence. *American Midland Naturalist* **135**:205-217.
- Tolley, P. M., and R. R. Christian. 1999. Effects of increased inundation and wrack deposition on a high salt marsh plant community. *Estuaries* **22**:944-954.
- Tolliver, K. S., D. M. Colley, and D. R. Young. 1995. Inhibitory Effects of *Myrica-Cerifera* on *Pinus-Taeda*. *American Midland Naturalist* **133**:256-263.
- Tolliver, K. S., D. W. Martin, and D. R. Young. 1997. Freshwater and saltwater flooding response for woody species common to barrier island swales. *Wetlands* **17**:10-18.
- Tyler, A. C., and J. C. Ziemann. 1999. Patterns of development in the creekbank region of a barrier island *Spartina alterniflora* marsh. *Marine Ecology-Progress Series* **180**:161-177.

- Weber, E. P., and D. F.P. 1996. The effect of nitrogen fertilization on the phenology of roots in a barrier island sand dune community. *Plant and Soil* **182**:139-148.
- Whigham, D. F., L. C. Lee, M. M. Brinson, R. D. Rheinhardt, M. C. Rains, J. A. Mason, H. Kahn, M. B. Ruhlman, and W. L. Nutter. 1999. Hydrogeomorphic (HGM) assessment - A test of user consistency. *Wetlands* **19**:560-569.
- Wijnholds, A. E., and D. R. Young. 2000. Interdependence of *Myrica cerifera* seedlings and the nodule forming actinomycete, *Frankia*, in a coastal environment. *Journal of Coastal Research* **16**:139-144.
- Woo, H. J., S. J. Culver, and G. F. Oertel. 1997. Benthic foraminiferal communities of a barrier-lagoon system, Virginia, USA. *Journal of Coastal Research* **13**:1192-1200.
- Woo, H. J., G. F. Oertel, and M. S. Kearney. 1998. Distribution of pollen in surface sediments of a barrier-lagoon system, Virginia, USA. *Review of Palaeobotany and Palynology* **102**:289-303.
- Working, T. 1997. Conserving coastal wetlands despite sea level rise. *Eos* **78**:260-261.
- Young, D. R., D. L. Erickson, and S. W. Semones. 1994. Salinity and the small-scale distribution of three common shrubs on a Virginia barrier island. *Canadian Journal of Botany* **72**:1365-1372.
- Young, D. R., G. Shao, and M. M. Brinson. 1995a. The impact of the October 1991 northeaster storm on barrier island shrub thickets (*Myrica cerifera*). *Journal of Coastal Research* **11**:1322-1328.
- Young, D. R., G. Shao, and J. H. Porter. 1995b. Spatial and temporal growth dynamics of barrier island shrub thickets. *American Journal of Botany* **82**:638-645.
- Yozzo, D. J., K. I. Hester, and D. E. Smith. 1994a. Abundance and Spawning Site Utilization of *Fundulus heteroclitus* at the Virginia Coast Reserve. *VA. J. Sci.* **45**:187-197.
- Yozzo, D. J., A. Mannino, and D. E. Smith. 1994b. Mid-Summer Abundance of Resident Sub-Adult Marsh Nekton at the Virginia Coast Reserve. *VA. J. Sci.* **45**:21-30.
- Yozzo, D. J., and D. E. Smith. 1998. Composition and Abundance of Resident Marsh-Surface Nekton: Comparison between Tidal Freshwater and Salt Marshes in Virginia, USA. *Hydrobiologia* **362**:9-19.

## **Books & Book Chapters**

- Bledsoe, C. S., T. J. Fahey, R. Ruess, and F. P. Day. 1999. Measurement of static root parameters - biomass, length, distribution. *in* G. P. Robertson, C. S. Bledsoe, D. C. Coleman, and P. Sollins., editors. *Standard Soil Methods for Long-Term Ecological Research*. Oxford University Press, New York.
- Brinson, M. M., W. Kruczynski, L. C. Lee, W. L. Nutter, S. R.D., and W. D.F. 1994. Developing an approach for assessing the functions of wetlands. *in*.
- Brinson, M. M., and R. R.D. 1999. Wetland functions and relations to societal values. Pages 29 *in* M. G. Messina and W. H. Conner, editors. *Southern Forested Wetlands: Ecology and Management*. Lewis Publishers, Boca Raton.
- Brinson, M. M., R. D. Smith, D. F. Whigham, L. C. Lee, R. D. Rheinhardt, and W. L. Nutter. 1998. Progress in development of the hydrogeomorphic approach for assessing the functioning of wetlands. Pages 383 *in* A. J. McComb and J. A. Davis, editors. *Wetlands for the Future*. Gleneagles Publishing, Adelaide, Australia.
- Brinson, M. M., and J. Verhoeven. 1999. Riparian forests. Pages 265-200 *in* M. L. Hunter, editor. *Maintaining Biodiversity in Forested Ecosystems*. Cambridge University Press, Cambridge, UK.
- Christian, R. R., and D. G. Capone. 1996. Overview of issues in aquatic microbial ecology. Pages 245-251 *in* C. J. Hurst, G. R. Knudsen, M. J. McInerney, L. D. Stetzenbach, and M. V. Walter, editors. *Manual of Environmental Microbiology*. ASM Press, Washington, D.C.
- Christian, R. R., C. French, J. Gosz, and R. Waide. 1999. Perspectives on international long term ecological research. Pages 99-106 *in* A. Farina, editor. *Perspectives in ecology: a glance from the VII International Congress of Ecology (Florence 19-25 July 1998)*. Backhuys Publishers, Leiden, NL.
- Christian, R. R., M. Naldi, and P. Viaroli. 1998. Construction and analysis of static, structured models of nitrogen cycling in coastal ecosystems. Pages 162-195 *in* *Mathematical Modeling in Microbial Ecology*. Chapman Hall, New York.
- Christian, R. R., L. E. Stasavich, C. R. Thomas, and M. M. Brinson. 2000. Reference is a moving target in sea-level controlled wetlands. Pages 805-825 *in* M. P. Weinstein and D. A. Kreeger, editors. *Concepts and Controversies in Tidal Marsh Ecology*. Kluwer Press, The Netherlands.
- Erwin, R. M., and T. W. Custer. 2000. Herons as indicators. *in* J. A. Kushlan and H. Hafner, editors. *Heron Conservation*. Academic Press, London UK.
- Erwin, R. M., M. K. Laubhan, J. E. Cornely, and D. M. Bradshaw. 1999. Managing wetlands for birds: how managers can make a difference in improving habitat to support a North American Bird Conservation Plan. Pages 219-234 *in* R. Bonney, D. Pashley, R. Cooper, and L. Niles, editors. *Strategies for Bird Conservation: The Partners in Flight Planning Process*. Laboratory of Ornithology, Cornell University, Ithaca, New York.
- Fahey, T. J., C. S. Bledsoe, F. P. Day, R. Ruess, and A. Smucker. 1999. Root production and demography. *in* G. P. Robertson, C. S. Bledsoe, D. C. Coleman, and P. Sollins, editors. *Standard Soil Methods for Long-Term Ecological Research*. Oxford University Press, New York.
- Fahrig, L., D. P. Coffin, W. K. Lauenroth, and H. H. Shugart. 1994. The advantage of long-distance clonal spreading in highly disturbed habitats. *in* *Evolutionary Ecology*.

- Hayden, B. 1994a. Global biosphere data base requirements for GCMs. *in*.
- Hayden, B. 1998. Regional Climate and the Distribution of Tallgrass Prairie. Pages 19-34 *in* A. Knapp, J. Briggs, D. Hartnett, and S. Collins, editors. Grassland Dynamics: Long-Term Ecological Research in Tallgrass Prairie. Oxford University Press, New York.
- Hayden, B. P. 1994b. "Outsider" Overview of Biological Models. Pages 13-34 *in* G. P.M. and L. G.E., editors. Integrated Regional Models: Interactions between humans and their environment. Chapman Hall, New York.
- Hayden, B. P. 1999a. Climate Change Scenarios for the Tallgrass Prairie. *in* A. K. Knapp, J. M. Briggs, D. C. Hartnett, and S. L. Collins, editors. Grassland Dynamics: Long-term Ecological Research in Tallgrass Prairie. Oxford University Press, New York.
- Hayden, B. P. 1999b. Extratropical Storms: Past, Present and Future. Pages 93-97 *in* D. B. Adams, editor. Proceedings of the Speciality Conference on Potential Consequences of Climate Variability and Change to Water Resources of the United States.
- Henshaw, D. L., M. Stubbs, B. J. Benson, K. Baker, D. Blodgett, and J. H. Porter. 1998. Climate database project: a strategy for improving information access across research sites. Pages 123-127 *in* W. S. Michener, J. H. Porter, and S. Stafford, editors. Data and Information Management in the Ecological Sciences: A Resource Guide. LTER Network Office, Albuquerque, New Mexico.
- Mills, A. L., and A. Callaghan. 1996. Biological removal of nitrate from ground water in a shallow coastal plain aquifer. Pages 12 *in* W. Flint, editor. Natural Resource Values and Vulnerabilities: The Second Virginia Eastern Shore Natural Resources Symposium. The Eastern Shore Institute, Exmore, VA.
- Oertel, G. F., S. J. Culver, and H. J. Woo. 1996a. Benthic Foraminiferal communities of a barrier-lagoon system, Virginia. Pages 98-100 *in* R. W. Flint, editor. Natural Resource Values and Vulnerabilities; Proceedings the second Virginia Eastern Shore Natural Resources Symposium. The Eastern Shore Institute, Exmore, VA.
- Oertel, G. F., and J. Kraft. 1994. New Jersey and Delmarva barrier islands. Pages 207-226. *in* R. A. Davis, editor. Geology of Barrier Islands. Springer-Verlag, Heidelberg, Germany.
- Oertel, G. F., J. H. Porter, and D. L. Richardson. 1996b. The effects of hypsometry on lagoon dynamics and ecosystems. Pages 55-57 *in* R. W. Flint, editor. Natural Resource Values and Vulnerabilities. Proceedings Second Virginia Eastern Shore Natural Resources Symposium. The Eastern Shore Institute, Exmore, VA.
- Oertel, G. F., H. J. Woo, M. S. Kearney, and A. M. Foyle. 1994. Regressive to transgressive Quaternary deposits in a Delmarva coastal lagoon, Hog Island Bay, Virginia. Pages 57-61 *in* A.A.P.G. Eastern Section Volume. Virginia Division of Mineral Resources, Charlottesville, Virginia.
- Porter, J. H. 1998a. Providing information on the World-Wide Web. Pages 65-70 *in* W. K. Michener, John H. Porter, and S. G. Stafford, editors. Data and information management in the ecological sciences: a resource guide. LTER Network Office, University of New Mexico,, Albuquerque, NM.
- Porter, J. H. 1998b. Scientific databases for environmental research. Pages 41-46 *in* W. K. Michener, J. H. Porter, and S. G. Stafford, editors. Data and information management in the ecological sciences: a resource guide. LTER Network Office, University of New Mexico, Albuquerque, NM.
- Porter, J. H. 2000. Scientific databases. *in* W. K. Michener and J. Brunt., editors. Ecological Data: Design, Processing and Management. Blackwell Science Ltd., London, UK.



- Porter, J. H., and J. T. Callahan. 1994. Circumventing a dilemma: historical approaches to data sharing in ecological research. Pages 193-203 *in* W. K. Michener, S. Stafford, and J. W. Brunt, editors. Environmental Information Management. Taylor and Francis, Bristol, PA.
- Porter, J. H., R. W. Nottrott, and K. Baker. 1996. Tools for managing ecological data. Pages 87-92 *in* Global networks for environmental information: Proceedings of Eco-Inforna '96. 1996 November 4-7; Buena Vista, FL. Environmental Research Institute of Michigan (ERIM), Ann Arbor, MI.
- Richardson, J. L., and M. M. Brinson. 2000. Chapter 9. Pages 209-227 *in* J. L. Richardson and M. J. Vepraskas, editors. Wetland Soils: Genesis, Hydrology, Landscapes, and Classification. Lewis Publishers, Boca Raton, Florida, USA.
- Santos, M. C. F. V., J. C. Zieman, and R. R. H. Cohen. 1997. Interpreting the upper mid-littoral zonation patterns of Maranhao state mangals, northern Brazil, as a response to microtopography and local hydrology. Pages 127-144 *in* B. J. Kjerfve, L. D. d. Lacerda, and E. H. S. Diop, editors. Mangrove Ecosystem Studies in Latin America and Africa. UNESCO, Paris.
- Seastedt, T. R., B. P. Hayden, C. E. Owensby, and A. K. Knapp. 1998. Climate change, elevated CO<sub>2</sub>, predictive modeling: past and future climate change scenarios for the tallgrass prairie. Pages 283-300 *in* A. Knapp, J. Briggs, D. Hartnett, and S. Collins, editors. Grassland Dynamics: Long-Term Ecological Research in Tallgrass Prairie. Oxford University Press, New York.
- Shao, G., and D. Liu. 1999. A SSD Feature Extraction Method for Hyperspectral Remote Sensing Data. Pages 654 - 659 *in* G. Xu and Y. Chen, editors. Towards Digital Earth, proceedings of the International Symposium on Digital Earth, held in Beijing, China, Nov. 29 - Dec. 2., 1999.
- Shao, G., S. Zhao, and H. H. Shugart. 1995. Forest Dynamics Modelling (in Chinese). China's Forestry Publication House.

## ***Theses and Dissertations***

- Aiosa, J. 1996. Dissolved Organic Carbon Quality Controls on the Contribution of the Microbial Food Web to Higher Trophic Levels. M.S. thesis. University of Virginia, Charlottesville, VA.
- Appolone, E. 2000. Organic matter distribution and turnover along a gradient from forest to tidal creek. MS thesis. East Carolina University, Greenville, N.C.
- Bailey, N. 1998. Hydrogeomorphic Control of Landforms and Vegetation on Southern Parramore Island, Virginia Coast Reserve. Honors Thesis. Bucknell University.
- Barimo, J. F. 1998. Zonation patterns in Orthoptera (Acrididae) distribution and plant-herbivore interactions in relation to primary succession on a Virginia barrier island. MS thesis. Virginia Commonwealth University, Richmond, VA.
- Berntsen, J. 1995. Hydrogeomorphic and Vegetation Relationships on Low Profile Barrier Islands, Virginia Coast Reserve. Senior Thesis. Bucknell University, Lewisburg, PA.
- Callaghan, A. 1999. Factors controlling the distribution of nitrate in a shallow coastal plain aquifer on Virginia's Eastern Shore. M.S. Thesis. University of Virginia, Charlottesville, VA.
- Cannon, T. 1998. A comparison of microbial food webs in tidal marsh creeks of Northhampton County, Virginia. Masters Thesis, University of Virginia
- Christiansen, T. 1998. Sediment Deposition on a Tidal Salt Marsh. Ph.D Dissertation. University of Virginia, Charlottesville VA
- Crawford, E. R. 1995. Microclimate comparison of gaps and intact shrub thickets on a Virginia barrier island and analysis of a shrub thicket soil seed banks on a Virginia coastal barrier island. M.S. Thesis. Virginia Commonwealth University, Richmond, VA.
- Dilustro, J. J. 1994. Aboveground biomass and net primary productivity along a Virginia barrier island dune chronosequence. M.S. Thesis. Old Dominion University, Norfolk, VA.
- Dobson, R. 1997. Sulfate sorption in a shallow sandy aquifer. M.S. Thesis. University of Virginia, Charlottesville, VA.
- Donoghue, C. R. 1999. The influence of swash processes on *Donax variabilis* and *Emerita tapoida*. Ph.D Dissertation. University of Virginia, Charlottesville, VA
- Elliott, M. T. 1997. Influences of tidal litter (wrack) and microtopography on strand species and on community composition. MS thesis. Virginia Commonwealth University, Richmond, VA
- Erickson, D. L. 1994. Salt tolerance and the potential for ocean dispersal of a barrier island strand glycophyte, *Strophostyles umbellata* (Fabaceae). M.S. Thesis. Virginia Commonwealth University, Richmond, VA.
- Farleigh, K. 1996. The influence of overwash events on the hydrology and vegetation of a pimple on Parramore Island, Virginia Coast Reserve. Undergraduate Senior Thesis. Dept. of Geology, Bucknell University, Lewisburg, PA 17837.
- Field, D. P. 1999. Shrub establishment on a Virginia barrier island: spatial and temporal variations in arbuscular mycorrhizae. MS Thesis. Virginia Commonwealth University, Richmond, VA

- Foyle, A. M. 1994. Quaternary seismic stratigraphy of the inner continental shelf, southern Delmarva Peninsula, Va. Ph.D. thesis. Old Dominion University, Norfolk, Va.
- Geyer, J. M. 1996. Tracing early diagenesis of plant organic matter through compound specific isotope analysis. M.S. Thesis. University of Virginia, Charlottesville, VA.
- Hagan, L. 1996. Nucleation and evolution of coastal dunes on a low profile barrier, southern Parramore Island, Virginia. Senior Thesis. Bucknell University, Lewisburg, PA.
- Heitz, R. C. 1997. Suspended sediment transport in Phillips Creek Marsh: Brownsville, Virginia. Distinguished Major Thesis. University of Virginia, 1997
- Hmieleski, J. 1994. Position of the Brackish Marsh-Upland Transition as a Function of Elevation and Slope at the Virginia Coast Reserve, LTER. MS thesis. East Carolina University, Greenville, NC.
- Joy, D. A. 1996. *Juniperus virginiana*: nurse plant for woody seedlings on a Virginia barrier island. M.S. Thesis. Virginia Commonwealth University, Richmond, VA.
- Kirwan, J. L. 1997. Is beach (*Fagus grandifolia*) and indicator of long-term fire history on the Delmarva Peninsula. Ph.D. Dissertation. University of Virginia, Charlottesville, VA.
- Knapp, E. 1997. The influence of redox conditions on sorption to aquifer sediments: transport of reactive solutes in groundwater. Ph.D Dissertation. University of Virginia, Charlottesville, VA.
- Knoff, A. J. 1999. Stable isotope analysis of intrapopulation, spatial, and temporal variation of Laughing Gull (*Larus atricilla*) diets in the Virginia Coast Reserve and Jamaica Bay, NY. M.S. Thesis. University of Virginia, Charlottesville, VA.
- Lancaster, L. 1999. Relationship of physical chemical parameters to patterns of sole carbon source utilization in ground water bacterial communities. M.S. Thesis. University of Virginia, Charlottesville, VA.
- Layman, C. 1999. Fish Assemblages in Shallow Water Habitats on the Eastern Shore of Virginia Barrier Islands. M.S. Thesis. University of Virginia, Charlottesville, VA.
- Loomis, K. 1999. Local geomorphological controls on hydrology, pore water chemistry, and *Spartina alterniflora* morphology in a Virginia barrier island salt marsh. M.S. Thesis. University of Virginia., Charlottesville VA.
- Loxterman, J. L. 1995. Allozymic variation in the marsh rice rat, *Oryzomys palustris*, and the white-footed mouse, *Peromyscus leucopus*, on the Virginia barrier islands and southern Delmarva Peninsula. M.S. thesis. Virginia Commonwealth University, Richmond, Virginia.
- Miller, W. D. 1998. The effects of increased inundation and wrack deposition on photosynthesis and respiration in a Virginia salt marsh. MS thesis. College of William and Mary, Williamsburg, VA
- Neikirk, B. 1996. Exchanges of dissolved inorganic nitrogen and dissolved organic carbon between salt marsh sediments and overlying tidal water. M.S. Thesis. Virginia Institute of Marine Science, College of William and Mary.
- Neubauer, S. C. 2000. Carbon dynamics in a tidal freshwater marsh. Ph.D dissertation. College of William and Mary, Williamsburg, VA

- Osgood, D. T. 1996. Vegetation patterns and nutrient dynamics in naturally developing barrier island marshes. Ph.D Dissertation. University of Virginia, Charlottesville, VA.
- Quinley, H. J. 1995. A Stable C and N Isotope Study of Marsh Sediments Cattleshed Creek, Virginia Coast Reserve. Distinguished Majors Thesis. University of Virginia, Charlottesville, VA.
- Ricker, L. 1999. Resistance to state change by coastal ecosystems under conditions of rising sea level. M.S. Thesis. East Carolina University, Greenville, N.C.
- Riddervold, L. B. 1995. Sources of nitrogen to the high marsh/upland transition zone of a Virginia back-barrier system. M.S. Thesis. University of Virginia, Charlottesville, VA.
- Robinson, S. E. 1994. Clay minerology and sediment texture of environments in a barrier island-lagoon system. M.S. Thesis. University of Virginia, Charlottesville, VA.
- Santos, M. C. F. V. 1997. Intertidal salinity buildup and salt flat development in temperate salt marshes: a case study of the salt flats at the Virginia Barrier Islands. Ph.D Dissertation. University of Virginia, Charlottesville, VA.
- Semones, S. W. 1994. A probable VAM association in the actinorhizal shrub *Myrica cerifera* on a Virginia barrier island. M.S. Thesis. Virginia Commonwealth University, Richmond, VA.
- Silliman, B. R. 1999. Nitrogen vs Grazer control of *Spartina alterniflora* growth: Implications for top-down control of community structure. M.S. Thesis. University of Virginia, Charlottesville, VA.
- Stasavich, L. E. 1998. Quantitatively defining hydroperiod with ecological significance to wetland functions. M.S. Thesis. East Carolina University, Greenville, N.C.
- Stevens, R. W. 2000. Primary production of *Distichlis spicata* and *Spartina patens* and effects of increased inundation on a salt marsh. M.S. Thesis. East Carolina University, Greenville, NC.
- Stevenson, M. J. 1995. Fine root biomass distribution and production along a barrier island chronosequence. M.S. Thesis. Old Dominion University, Norfolk, VA.
- Sullivan, H. J. 1998. Ant distribution patterns and the potential dispersal of root endosymbionts in a strand environment. MS Thesis. Virginia Commonwealth University, Richmond, VA
- Tarnowski, R. M. 1997. Effects of dissolved oxygen concentrations on nitrification in coastal waters. MS thesis. East Carolina University, Greenville, NC
- Taylor, J. H. 1995. The Effects Of Altered Inundation And Wrack Deposition on Nitrification, Denitrification, and the Standing Stocks of  $\text{NO}_3^-$  and  $\text{NO}_2^-$ . Undergraduate Thesis. East Carolina University, Greenville, NC.
- Thomas, C. 1998. The Use of Network Analysis to Compare The Nitrogen Cycles of Three Salt Marsh Zones Experiencing Relative Sea-Level Rise. M.S. Thesis. East Carolina University, Greenville, NC.
- Tirrell, R. A. 1995. Response of Sediment Microbial Communities to *Spartina alterniflora* Roots in a Virginia Salt Marsh. M.S. Thesis. Univ. of Virginia, Charlottesville, VA.
- Tobias, C. R. 1999. Nitrate reduction at the groundwater - salt marsh interface. Ph.D dissertation. College of William and Mary, Williamsburg, VA

- Tolley, P. M. 1996. Effects of increased inundation and wrack deposition on a saltmarsh plant community. MS thesis. East Carolina University, Greenville, NC
- Tyler, A. 1997. Geomorphological and hydrological controls on pattern and process in a developing barrier island salt marsh. M.S. Thesis. University of Virginia, Charlottesville VA.
- Walsh, J. 1998. Low marsh succession along an over-wash salt marsh chronosequence. PhD. Dissertation. University of Virginia, Charlottesville VA.
- Weber, E. P. 1994. The effect of nitrogen fertilization on the phenology of roots in a barrier island sand dune community. M.S. Thesis. Old Dominion University, Norfolk, VA.
- Wijnholds, A. E. 1997. Relationship between the distribution of the actinomycete, *Frankia*, and the distribution of the host plant, *Myrica cerifera*, on a Virginia Barrier Island. M.S. Thesis. Virginia Commonwealth University, Richmond, VA.
- Yozzo, D. J. 1994. Patterns of Habitat Use by Sub-Adult Marsh Nekton: Comparison Between Tidal Freshwater and Salt Marshes. Ph.D Dissertation. University of Virginia, Charlottesville, VA.