

VII. Literature Cited

Section IVA. Introduction to Ecosystem Targets in the North Atlantic Coast Ecoregion

- Anderson, M.G. 1999. Viability and Spatial Assessment of Ecological Communities in the Northern Appalachian Ecoregion. University of New Hampshire, Durham, NH. Ph.D. dissertation.
- Anderson, M.G., P. Bourgeron, M.T. Bryer, R. Crawford, L. Engelking, D. Faber-Langendoen, M. Gallyoun, K. Goodin, D.H. Grossman, S. Landaal, K. Metzler, K.D. Patterson, M. Pyne, M. Reid, L. Sneddon, and A.S. Weakley. 1998. International classification of ecological communities: terrestrial vegetation of the United States. Volume II: The National Vegetation Classification System: list of types. The Nature Conservancy, Arlington, VA.
- Cowardin, L.M., V. Carter, F.C. Golet and E.T. LaRoe. 1979. *Classification of wetlands and deepwater habitats of the United States*. U.S. Fish and Wildlife Service. FWS/OBS-79/31. Washington D.C.
- Environmental Sensitivity Index (ESI). National Oceanic and Atmospheric Administration (NOAA). <http://response.restoration.noaa.gov/>
- Fedana, Z., Gleason, M. and M. Merrifield. 2004. General Approach for Defining Pacific West Coast Shoreline Conservation Targets Based on NOAA ESI Data. Unpublished report. The Nature Conservancy.
- Grossman, D.H., D. Faber-Langendoen, A.S. Weakley, M.G. Anderson, P. Bourgeron, R. Crawford, K. Goodin, S. Landaal, K. Metzler, K.D. Patterson, M. Pyne, M. Reid, and L. Sneddon. 1998. International classification of ecological communities: terrestrial vegetation of the United States. Volume I: The National Vegetation Classification System: development, status and applications. The Nature Conservancy, Arlington, VA.
- Maybury, K.P. (ed). 1999. Seeing the forest and the trees: ecological classification for conservation. The Nature Conservancy, Arlington, VA.
- National Wetlands Inventory (NWI). U.S. Fish and Wildlife Service. <http://www.fws.gov/nwi/>

Section IVB. Large Scale Ecosystems in the North Atlantic Coast Ecoregion

- Anderson, M.G. 1999. Viability and Spatial Assessment of Ecological Communities in the Northern Appalachian Ecoregion. University of New Hampshire, Durham, NH. Ph.D. dissertation.
- Poole, A. and F. Gill, eds. 2002. *The Birds of North America*, Inc., Philadelphia, PA.
- Zankel, M. 2005. Integrated fragmentation surface for the State of New Hampshire. Unpublished Document DRAFT. The Nature Conservancy, Concord, NH.

Section IVC. *Small Scale Ecosystems in the North Atlantic Coast Ecoregion*

B. Rocky Shore Ecosystems in the North Atlantic Coast Ecoregion

Tyrrell, M.C. 2005. Gulf of Maine Habitat Primer. Gulf of Maine Council on the Marine Environment. www.gulfofmaine.org vi + 54 pp.

G1. Salt and Brackish Marsh Wetlands in the North Atlantic Coast Ecoregion

Anderson, M.G. 1999. Viability and Spatial Assessment of Ecological Communities in the Northern Appalachian Ecoregion. University of New Hampshire, Durham, NH. Ph.D. dissertation.

Poole, A. and F. Gill (eds.). 1992- *The Birds of North America. Life Histories for the 21st Century*. American Ornithologists' Union and Cornell Laboratory of Ornithology. (Species-by-species accounts including status, each published separately. This work-in-progress had completed accounts for 440 species by late 1999 of the over 700 North American Birds.)

G2. Coastal Salt Ponds and Sea Level Fens in the North Atlantic Coast Ecoregion

Edinger, G.J., D.J. Evans, S. Gebauer, T.G. Howard, D.M. Hunt, and A.M. Olivero (editors). 2002. Ecological Communities of New York State. Second Edition. A revised and expanded edition of Carol Reschke's *Ecological Communities of New York State*. (Draft for review). New York Natural Heritage Program, New York Department of Environmental Conservation, Albany, NY.

H. Freshwater Wetland Ecosystems in the North Atlantic Coast Ecoregion: Introduction

Cowardin, L.M., V. Carter, F.C. Golet and E.T. LaRoe. 1979. *Classification of wetlands and deepwater habitats of the United States*. U.S. Fish and Wildlife Service. FWS/OBS-79/31. Washington D.C.

I. Coastal Stream Systems in the North Atlantic Coast Ecoregion

Anderson, M.A. and A.P. Olivero. 2003. Planning Methods for Ecoregional Targets: Freshwater Ecosystems and Networks. Eastern Conservation Science Office. The Nature Conservancy.

Anderson, M.A. and A.P. Olivero. 2003. Lower New England Ecoregional Plan. 2003. The Nature Conservancy.

Coles, J.F., Cuffney, R.F., McMahon, Gerard, and Beaulieu, K.M., 2004. The effect of urbanization on the biological, physical, and chemical characteristics of coastal New England streams: U.S.G.S. Professional Paper 1695.

Holland A.F., Sanger, D.M., Gawle, C.P., Lergerg, S.B., Santiago, M.S., Riekerk, G.H., Zimmerman, L.E., and Scott, G.I. 2004. Linkages between tidal creek ecosystems and the landscape and demographic attributes of their watersheds. *Journal of Experimental Marine Biology and Ecology* 298-151-178.

Kosa, J.R. and Mather, M.E., 2001. Processes Contributing to Variability in Regional Patterns of Juvenile River Herring Abundance across Small Coastal Systems. *Transactions of the American Fisheries Society* 130:600-619.

Mallin, M. 2004. The importance of tidal creek ecosystems. *Journal of Experimental Marine Biology and Ecology* 298:145-149.

Tidal Creeks. www.ozestuaries.org/oracle/ozestuaries/conceptual_mod/cm_tc.htm. 3p.

Saila S., Cheeseman, M., and D.Poyer. 2004. Assessing Habitat Requirements for Brook Trout in Low Order Streams. Wood_Pawcatuck Watershed Association. 21p.

Section V. Species Targets in the North Atlantic Coast Ecoregion

Anderson, M.G. 1999. Viability and Spatial Assessment of Ecological Communities in the Northern Appalachian Ecoregion. University of New Hampshire, Durham, NH. Ph.D. dissertation.

Cox, J., R. Kautz, M. MacLaughlin, and T. Gilbert. 1994. Closing the gaps in Florida's wildlife habitat conservation system. Tallahassee (FL): Office of Environmental Services, Florida Game and Fresh Water Fish Commission.

Eddleman, W.R., R.E. Flores, and M.L. Legare. 1994. Black Rail (*Laterallus jamaicensis*). In *The Birds of North America*, No. 123 (A. Poole and F. Gill eds). Philadelphia: The Academy of Natural Sciences; Washington, D.C: The A.O.U.

Maybury, K.P. (ed). 1999. Seeing the forest and the trees: ecological classification for conservation. The Nature Conservancy, Arlington, VA.

Quinn, J.F. and A. Hastings. 1997. Extinction in subdivided habitats. *Conservation Biology* 1:198-208.

Section VI. Threats in the North Atlantic Coast Ecoregion

Abrams, M.D. 2005. Prescribing fire in eastern oak forests: Is time running out? *North. J. Appl. For.* 22(3):190 –196.

Arnaud, P. H. Jr. 1978. A Host-parasite Catalog of North American Tachinidae (Diptera). USDA Misc. Publication No. 1319, Washington DC. 860 pages.

Barron, E. 2000. Potential consequences of climate change for the Northeastern United States. Chapter 4 in: *Climate Change Impacts on the United States, The potential consequences of climate variability and change*. U.S. National Assessment Synthesis Team. U.S. Global Change Research Program.

Beach, D. 2002. Coastal sprawl: the effects of urban design on aquatic ecosystems in the United States. South Carolina Coastal Conservation League. Prepared for Pew Oceans Commission.

- Bertness, M. 1999. *The Ecology of Atlantic Shorelines*. Sinauer Associates, Sunderland, MA.
- Boettner, G. H., J. S. Elkinton & C. J. Boettner. 2000. Effects of a biological control introduction on three nontarget native species of Saturniid moths. *Conservation Biology* 14(6):1798-1806.
- Boulton, T.J. and I.S. Otvos. 2004. Monitoring native non-target Lepidoptera for three years following a high dose and volume application of *Bacillus thuringiensis* subsp. *Kurstaki*. *International Journal of Pest Management* 50(4):297-305.
- Bricker, S.B., C. Clement, D. Pirhalla, S. Orlando, and D. Farrow. 1999. National estuarine eutrophication assessment: effects of nutrient enrichment in the nation's estuaries. Silver Spring (MD): National Oceanic and Atmospheric Administration, National Ocean Service, Special Projects Office, and National Centers for Coastal Ocean Science.
- Bromberg, K. D. and M. D. Bertness. 2006. Reconstructing New England salt marsh losses using historical maps. *Estuaries* 28(6): 823-832.
- Busch et al. 1998. Evaluating Stream Habitat for Diadromous Fish in Atlantic Coast Watersheds: A Preliminary Assessment. U.S. Fish and Wildlife Service, Lower Great Lakes Fishery Resources Office. Habitat Hotline Atlantic: Issues of Concern for Atlantic Marine Fish Habitat Nov. 1998 Issue No. 27. Atlantic States Marine Fisheries Commission.
- Buzzards Bay National Estuary Program (BBNEP). <http://www.buzzardsbay.org/>
- Carpenter, S.R., N. F. Caraco, D.L. Correll, R.W. Howarth, A.N. Sharpley, and V.H. Smith. 1997. nonpoint pollution of surface watershed with phosphorus and nitrogen. *Ecological Applications* 8: 559-568.
- Coles, J.F., R.F. Cuffney, G. McMahon, and K.M. Beaulieu. 2004. The effect of urbanization on the biological, physical, and chemical characteristics of coastal New England streams: U.S. Geological Survey Professional Paper 1695.
- Doane, C.C. and M.L. McManus (eds.). 1981. *The Gypsy Moth: Research toward Integrated Pest Management*. UDDA Forest Service Tech. Bull. 1584. 757 pp.
- Driscoll, C.T., D. Whitall, J. Aber, E. Boyer, M. Castro, C. Cronan, C. Goodale, P. Groffman, C. Hopkinson, K.Lambert, G. Lawrence, and S. Ollinger. 2003. Nitrogen pollution in the Northeastern United States: Sources, effects, and management options. *BioScience* 53(4):357-374.
- Dunwiddie, P.W., 1994. *Martha's Vineyard Landscapes. The Nature of Change*. The Vineyard Conservation Society, Tisbury, MA.
- Dynesius M. and C. Nilsson. 1994. Fragmentation and flow regulation of river systems in the northern third of the world. *Science* 266:753-761.
- Environmental Protection Agency. <http://www.epa.gov/acidrain/effects/surfacewater.html>

- Fitzgerald, D.M. (Professor at Boston University) 2006. Rising sea level and its effects on backbarrier marshes and tidal flats, tidal inlets, and adjacent barrier shorelines. Presentation to Massachusetts north shore salt marsh restoration team. February 8, 2006.
- Fitzhugh, T. 2000. Watershed characteristics and aquatic ecological integrity: A literature review. The Nature Conservancy.
- Forman, R.T.T., D. Sperling, J.A. Bissonette, A.P.Clevenger, C.D.Cutshall, V.H.Dale, L. Fahrig, R. France, C.R. Goldman, K.Heanue, J.A. Jones, F.J. Swanson, T. Turrentine, and T.C. Winter. 2003. *Road Ecology: Science and Solutions*. Island Press, WA.
- Forman, R.T.T. 2000. Estimate of the area affected ecologically by the road system in the United States. *Conservation Biology* 14(1): 31-35.
- Forman, R.T.T. and R.D. Deblinger. 2000. The ecological road-effect zone of a Massachusetts (U.S.A.) suburban highway. *Conservation Biology* 14(1): 36-46.
- Forman, R.T.T. and L.E. Alexander. 1998. Roads and their major ecological effects. *Annual Review of Ecology and Systematics* 29:207-31.
- Foster, D.R. and G. Motzkin. 2003. Interpreting and conserving the openland habitats of coastal New England: insights from landscape history. *Forest Ecology and Management* 185: 127-150.
- Harding, J.S., E.F. Benfield, P.V. Bolstad, G.S. Helfman, and E.B.D. Jones III. 1998. Stream biodiversity: the ghost of land-use past, *Proc. Natl. Acad. Sci. USA* 95: 14843-14847.
- Jordan, M.J., W.A. Patterson III, and A.G. Windisch. 2003. Conceptual ecological models for the Long Island pitch pine barrens: Implications for managing rare plant communities. *Forest Ecology and Management* 185 (1-2): 151-168.
- Krabbenhoft et al. 1999. A National Pilot Study of Mercury Contamination of Aquatic Ecosystems along Multiple Gradients. U.S.G.S. Middleton Wisconsin.
- Lammert, M. and J.D. Allan. 1999. Assessing biotic integrity of streams: Effects of scale in measuring the influence of land use/cover and habitat structure on fish and macroinvertebrates, *Environmental Management*, 23: (2) 257-270.
- Lorimer, C.G. and A.S. White. 2003. Scale and frequency of natural disturbances in the northeastern U.S.: implications for early successional forest habitats and regional age distributions. *Forest Ecology and Management* 185:41-64.
- Massachusetts Audubon Society. 2003. Losing ground: changes in land use and their impact on habitat, biodiversity, and ecosystem services in Massachusetts.
- Motzkin, G., and Foster, D.R., 2002. Grasslands, heathlands and shrublands in coastal New England: historical interpretations and approaches to conservation. *J. Biogeogr.* 29:1569-1590.

- Peacock, J.W., D.F. Schweitzer, J.L. Carter, and N.R. Dubois. 1998. Laboratory assessment of the effects of *Bacillus thuringiensis* on native Lepidoptera. *Environmental Entomology* 27(2):450-457.
- Schweitzer, Dale F. 2004. Gypsy Moth (*Lymantria dispar*): Impacts and Options for Biodiversity-Oriented Land Managers. 59 pages. NatureServe: Arlington, Virginia. <http://www.natureserve.org/library/gypsyMothReport.pdf>
- Signell, S.A., M.D. Abrams, J.C. Hovis, and S.W. Henry. 2005. Impact of multiple fires on stand structure and tree regeneration in central Appalachian oak forests. *Forest Ecology and Management* 218:146–158.
- The Nature Conservancy (TNC) and Environmental Defense Fund (EDF). 1999. *Conserving our coast: new vision, new strategies*. Huntington, NY.
- Trautman, M.B. 1981. *The Fishes of Ohio*. Columbus, OH: Ohio State University Press.
- USDA. 2002. Pest Alert: sudden oak death. http://www.na.fs.fed.us/spfo/pubs/pest_al/sodeast/sodeast.htm
- Wagner D. L. 2005. *Caterpillars of Eastern North America: A Guide to Identification and Natural History*. Princeton University Press. 512 pages.
- Wagner, D. L., J. W. Peacock, J. L. Carter and S. E. Talley. 1996. Field assessment of *Bacillus thuringiensis* on nontarget Lepidoptera. *Environmental Entomology* 25: 1444-1454.
- Wang, L., J. Lyons, and R. Gatti. 1997. Influences of watershed land use on habitat quality and biotic integrity in Wisconsin streams. *Fisheries* 22 (6) 6-12.
- WHOI Sea Grant Program. 2003. *Marine Extension Bulletin*, “New shoreline change data reveal Massachusetts is eroding, “ by Jim O’Connell, WHOI Sea Grant Program and Cape Cod Cooperative Extension.
- Zielinski, G.A. and B.D. Keim. 2003. *New England Weather, New England Climate*. University of New Hampshire. University Press of New England, Hanover, NH.

Recommendations for Conservation Action Planning and Other Planning Efforts in the North Atlantic Coast Ecoregion References

- Poiani, K, B.D. Richter, M.G. Anderson, and H.E. Richter. 2000. Biodiversity conservation at multiple scales: functional sites, landscapes, and networks. *BioScience* 50(2): 133-146.