

XIII. REFERENCES

A. LITERATURE CITED

- Able, K.W. 1992. Checklist of New Jersey saltwater fishes. *Bulletin of the New Jersey Academy of Sciences* 37: 1-11.
- _____, and M.P. Fahay. 1998. The first year in the life of estuarine fishes in the Middle Atlantic Bight. Rutgers University Press, New Brunswick, New Jersey. 342 pp.
- _____, and S.M. Hagan. 2000. Effects of common reed (*Phragmites australis*) invasion on marsh surface macrofauna: Response of fishes and decapod crustaceans. *Estuaries* 23: 633-646.
- _____. 2003. The impact of common reed (*Phragmites australis*) on essential fish habitat: Influence on reproduction, embryological development, and larval abundance of mummichog (*Fundulus heteroclitus*). *Estuaries* 26: 40-50.
- _____, and S.A. Brown. 2005. Production of fishes in restored marshes in Delaware Bay: Progress toward estimates for mummichogs in treated *Phragmites* marshes. Final project report to the Estuaries Enhancement Program, Public Service Enterprise Group, Hancocks Bridge, New Jersey. Rutgers University Marine Field Station, Institute of Marine and Coastal Sciences, Tuckerton, New Jersey. 52 pp.
- Achman, D.R., B.J. Brownawell, and L. Zhang. 1996. Exchange of polychlorinated biphenyls between sediment and water in the Hudson River estuary. *Estuaries* 19: 950-965.
- Adam, P. 1990. Saltmarsh ecology. Cambridge Studies in Ecology. Cambridge University Press, New York, New York. 461 pp.
- Adams, D.A., J.S. O'Connor, and S.B. Weisberg. 1998. Sediment quality of the NY/NJ harbor system: An investigation under the regional environmental monitoring and assessment program (REMAP). Final contract report USEPA/902-R-98-001. Prepared for the U.S. Environmental Protection Agency, Division of Environmental Science and Assessment, Region 2, Edison, New Jersey. (Available online at www.epa.gov/emap/remap/html/docs/nynjharbor.html.)
- Adamus, P.R., E.J. Clairain, Jr., R.D. Smith, and R.E. Young. 1987. Wetland evaluation technique (WET). Volume II. Technical Report Y-87. U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, Mississippi. 206 pp.
- Aerotecture, Ltd. 2005. Urban Windpower and Other Partnering Renewables Web Page. www.aerotecture.com/. Aerotecture, Ltd., Chicago, Illinois.
- Agency for Toxic Substances and Disease Registry. 2005. Toxicological Profile for Mercury Web Page. www.atsdr.cdc.gov/toxprofiles/tp46.html. U.S. Department of Health and Human Services, Public Health Service, Atlanta, Georgia.

- _____. 2006a. Toxicological Profile for Aldrin/Dieldrin Web Page. www.atsdr.cdc.gov/toxprofiles/tp1.html. U.S. Department of Health and Human Services, Public Health Service, Atlanta, Georgia.
- _____. 2006b. Toxicological Profile for Chlordane Web Page. www.atsdr.cdc.gov/toxprofiles/tp31-c2.html. U.S. Department of Health and Human Services, Public Health Service, Atlanta, Georgia.
- _____. 2006c. Toxicological Profile for DDT, DDE, and DDD Web Page. www.atsdr.cdc.gov/toxprofiles/tp35.html. U.S. Department of Health and Human Services, Public Health Service, Atlanta, Georgia.
- _____. 2006d. Toxicological Profile for Polycyclic Aromatic Hydrocarbons (PAHs) Web Page. www.atsdr.cdc.gov/toxprofiles/tp69.html. U.S. Department of Health and Human Services, Public Health Service, Atlanta, Georgia.
- Agnew, A.M., D.H. Shull, and R. Buchsbaum. 2003. Growth of a salt marsh invertebrate on several species of marsh grass detritus. *Biological Bulletin* 205: 238-239.
- Ahrens, J.F. 1975. Preliminary results with glyphosate for control of *Polygonum cuspidatum*. *Proceedings of the Northeastern Weed Science Society* 29: 326.
- Ailstock, M.S. 2000. Adaptive strategies of common reed *Phragmites australis*. Page 2 *In Phragmites in Virginia: A management symposium, December 14, 2000*. Virginia Department of Conservation and Recreation, Division of Natural Heritage and the Chesapeake Bay Commission, Library of Virginia, Richmond, Virginia. 14 pp.
- Albers, P.H. 2003. Petroleum and individual polycyclic aromatic hydrocarbons. Pages 341-371 *In* D.J. Hoffman, B.A. Rattner, G.A. Burton, Jr., and J. Cairns, Jr. (eds.). *Handbook of ecotoxicology*, 2nd Edition. Lewis Publishers, New York, New York. 1290 pp.
- Allan, J.D. 2004. Landscapes and riverscapes: The influence of land use on stream ecosystems. *Annual Review of Ecology, Evolution, and Systematics* 35: 257-284.
- Alpine, A.E., and J.E. Cloern. 1992. Trophic interactions and direct physical effects control phytoplankton biomass and production in an estuary. *Limnology and Oceanography* 37: 946-955.
- American Chestnut Foundation. 2004. The American Chestnut Story Web Page. www.acf.org/Chestnut_history.htm. American Chestnut Foundation, Bennington, Vermont.
- AmphibiaWeb. 2005. Worldwide Amphibian Declines Web Page. How big is the problem, what are the causes, and what can be done? elib.cs.berkeley.edu/aw/declines/declines.html. University of California-Berkeley, Berkeley, California.

- Andersson, P.L., A. Blom, A. Johannisson, M. Pesonen, M. Tysklind, A.H. Berg, P.E. Olsson, and L. Norrgren. 1999. Assessment of PCBs and hydroxylated PCBs as potential xenoestrogens: *In vitro* studies based on MCF-7 cell proliferation and induction of vitellogenin in primary culture of rainbow trout hepatocytes. *Archives of Environmental Contamination and Toxicology* 37: 145-150.
- Andreassen, H.P., S. Halle, and R.A. Ims. 1996. Optimal width of movement corridors for root voles: Not too narrow and not too wide. *Journal of Applied Ecology* 33: 63-70.
- Angradi, T.R., S.M. Hagan, and K.W. Able. 2001. Vegetation type and the intertidal macro-invertebrate fauna of a brackish marsh: *Phragmites* vs. *Spartina*. *Wetlands* 21: 75-92.
- Animal and Plant Health Inspection Service. 2004. West Nile Virus Web Page. www.aphis.usda.gov/lpa/pubs/fsheet_faq_notice/fs_ahwnv.html. U.S. Department of Agriculture, Animal and Plant Health Inspection Service, National Veterinary Services Laboratories, Foreign Animal Disease Diagnostic Laboratory, New York, New York.
- Anthony, J.W., R.A. Bideaux, K.W. Bladh, and M.C. Nichols. 1995. Handbook of mineralogy, Volume II, silica, silicates. Mineral Data Publishing, Tucson, Arizona. 904 pp.
- Arkoosh, M.R., E. Clemons, M. Myers, and E. Casillas. 1994. Suppression of B-cell mediated immunity in juvenile chinook salmon (*Oncorhynchus tshawytscha*) after exposure to either a polycyclic aromatic hydrocarbon or to polychlorinated biphenyls. *Immunopharmacology and Immunotoxicology* 16: 293-314.
- Ayers, M.A., J.G. Kennen, and P.E. Stackelberg. 2000. Water quality in the Long Island-New Jersey coastal drainages, New Jersey and New York, 1996-98. U.S. Geological Survey Circular 1201. U.S. Department of the Interior, New Jersey Water Science Center, West Trenton, New Jersey. 40 pp. (Available online at pubs.water.usgs.gov/circ1201/.)
- Bailey, P., C. Fischenich, and J. Marcy. 2005. Recreation enhancements for urban streams. ERDC Technical Note EMRRP-SR-45. U.S. Army Corps of Engineers, Environmental Research and Development Center, Environmental Laboratory, Vicksburg, Mississippi. 9 pp.
- Baker, S.M., and J.S. Levinton. 2003. Selective feeding by three native North American freshwater mussels implies food competition with zebra mussels. *Hydrobiologia* 505: 97-105.
- Baldwin, E.A., M.N. Marchand, and J.A. Litvaitis. 2004. Terrestrial habitat use by nesting painted turtles in landscapes with different levels of fragmentation. *Northeastern Naturalist* 11: 41-48.
- Balzano, S., A. Ertman, L. Brancheau, and W. Smejkal. 2002. Creating indicators of wetland status (quantity and quality): Freshwater wetland mitigation in New Jersey. Prepared for New Jersey Department of Environmental Protection, Division of Science, Research, and Technology, Trenton, New Jersey. Amy S. Greene Environmental Consultants, Inc., Flemington, New Jersey. 74 pp. + appendices.

- Bank, M.S., C.S. Loftin, and R.E. Jung. 2005. Mercury bioaccumulation in northern two-lined salamanders from streams in the northeastern United States. *Ecotoxicology* 14: 181-191.
- Barrett, K., R. Bopp, T. Proctor, and P. Weis. 2003. Vertical and lateral profiles of metal concentrations in marsh and mudflat sediments of Eight Day Swamp in the Hackensack. The Meadowlands Symposium, October 9-10, 2003, New Jersey Meadowlands Commission, Lyndhurst, New Jersey. (Abstract available at cimic.rutgers.edu/meri/symposium/abstract/three.htm.)
- _____, and M.A. McBrien. 2004. Chemical and biological assessment of an urban, estuarine marsh in the Hackensack Meadowlands, New Jersey. Fall meeting, October 14-16, 2004, Atlantic Estuarine Research Society. New Jersey Meadowlands Commission, Lyndhurst, New Jersey.
- Barron, M.G., M. Anderson, D. Beltman, T. Podrabsky, W. Walsh, D. Cacula, J. Lipton, S.J. Teh, D.E. Hinton, J.T. Zelikoff, A.L. Dikkeboom, B.A. Lasee, S.K. Woolley, D.E. Tillitt, M. Holey, P. Bouchard, and N. Denslow. 1999. Association between PCBs, liver lesions, and biomarker responses in adult walleye (*Stizostedium vitreum vitreum*) collected from Green Bay, Wisconsin. Walleye Injury Report, Lower Fox River/Green Bay, Natural Resource Damage Assessment and Restoration. U.S. Department of the Interior, Fish and Wildlife Service, Region 3, Fort Snelling, Minnesota. 51 pp.
- Bart, D. and J.M. Hartman. 2000. Environmental determinants of *Phragmites australis* expansion in a New Jersey salt marsh: An experimental approach. *Oikos* 89: 59-69.
- _____. 2002. Environmental constraints on early establishment of *Phragmites australis* in a New Jersey salt marsh. *Wetlands* 22: 201-213.
- _____. 2003. The role of large rhizome dispersal and low salinity windows in the establishment of common reed, *Phragmites australis*, in salt marshes: New links to human activities. *Estuaries* 26: 436-443.
- Baud, D.R., and M.L. Beck. 2005. Interactive effects of UV-B and copper on spring peeper tadpoles (*Pseudacris crucifer*). *Southeastern Naturalist* 4: 15-22.
- Bauer, D.M., N.E. Cyr, and S.K. Swallow. 2004. Public preferences for compensatory mitigation of salt marsh losses: A contingent choice of alternatives. *Conservation Biology* 18: 401-411.
- Bax, N., K. Hayes, A. Marshall, D. Parry, and R. Thresher. 2002. Man-made marinas as sheltered islands for alien organisms: Establishment and eradication of an alien invasive marine species. Pages 26-39 *In* C.R. Veitch and M.N. Clout (eds.). Turning the tide: The eradication of invasive species. International Union for the Conservation of Nature, Scientific Steering Committee, Invasive Species Specialist Group, Gland, Switzerland and Cambridge, United Kingdom. 424 pp.

- Beach, D. 2002. Coastal sprawl: The effects of urban design on aquatic ecosystems in the United States. Prepared for Pew Oceans Commission, Arlington, Virginia. South Carolina Coastal Conservation League, Charleston, South Carolina. 34 pp.
- Beck, M.W., K.L. Heck, Jr., K.W. Able, D.L. Childers, D.B. Eggleston, B.M. Gillanders, B. Halpern, C.G. Hays, K. Hoshino, T.J. Minello, R.J. Orth, P.F. Sheridan, and M.P. Weinstein. 2001. The identification, conservation, and management of estuarine and marine nurseries for fish and invertebrates. *BioScience* 51: 633-641.
- Beckvar, N., J. Field, S. Salazar, and R. Hoff. 1996. Contaminants in aquatic habitats at hazardous waste sites: Mercury. NOAA Technical Memorandum NOS ORCA 100. National Oceanic and Atmospheric Administration, Hazardous Materials Response and Assessment Division, Seattle, Washington. 74 pp.
- Beebee, T.J.C. 1996. Ecology and conservation of amphibians. Chapman and Hall, New York, New York. 214 pp.
- Berling, D.J. and H.A. Dawah. 1993. Abundance and diversity of invertebrates associated with *Fallopia japonica* (Houtt. Ronse Decraene) and *Impatiens glandulifera* (Royle): Two alien plant species in the British Isles. *The Entomologist* 112: 127-139.
- Beier, P., and R.F. Noss. 1998. Do habitat corridors provide connectivity? *Conservation Biology* 12: 1241-1252.
- Bejda, A.J., B.A. Phelan, and A.L. Studholme. 1992. The effect of dissolved oxygen on the growth of young-of-the-year winter flounder, *Pseudopleuronectes americanus*. *Environmental Biology of Fishes* 34: 321-327.
- Bélisle, M., and C.C. St. Clair. 2001. Cumulative effects of barriers on the movements of forest birds. *Conservation Ecology* 5(2): 9. (Available online at www.consecol.org/vol5/iss2/art9/.)
- Benoit, L.K., and R.A. Askins. 1999. Impact of the spread of *Phragmites* on the distribution of birds in Connecticut tidal marshes. *Wetlands* 19: 194-208.
- _____. 2002. Relationship between habitat area and the distribution of tidal marsh birds. *Wilson Bulletin* 114: 314-323.
- Bergen Save the Watershed Action Network. 2005. The Hackensack River Watershed Fund Web Page. www.bergenswan.org/hrwf.html. Bergen Save the Watershed Action Network, Westwood, New Jersey.
- Berger, L., R. Speare, P. Daszak, D.E. Green, A.A. Cunningham, C.L. Goggin, R. Slocombe, M.A. Ragan, A.D. Hyatt, K.R. McDonald, H.B. Hines, K.R. Lips, G. Marantelli, and H. Parkes. 1998. Chytridiomycosis causes amphibian mortality associated with population

- declines in the rain forests of Australia and Central America. *Proceedings of the National Academy of Sciences, U.S.A.* 95: 9031-9036.
- Bergeron, J.M., D. Crews, and J.A. McLachlan. 1994. PCBs as environmental estrogens: Turtle sex determination as a biomarker of environmental contamination. *Environmental Health Perspectives* 102: 780-791.
- Berman, M., and R. Bartha. 1986. Levels of chemical vs. biological methylation of mercury in sediments. *Bulletin of Environmental Contamination and Toxicology* 36: 401-404.
- Bertness, M.D., P.J. Ewanchuk, and B.R. Silliman. 2002. Anthropogenic modification of New England salt marsh landscapes. *Proceedings of the National Academy of Sciences* 99: 1395-1398.
- Birnbaum, L.S., and D.F. Staskal. 2004. Brominated flame retardants: Cause for concern? *Environmental Health Perspectives* 112: 9-17.
- Bloom, N.S., and B.K. Lasorsa. 1999. Changes in mercury speciation and the release of methyl mercury as a result of marine sediment dredging activities. *Science of the Total Environment* 238 (Special issue): 379-385.
- Blossey, B., M. Schwarzländer, P. Häfliger, R. Casagrande, and L. Tewksbury. 2003. Invasive Plants of the Eastern United States-Common Reed Web Page. www.invasive.org/eastern/biocontrol/9CommonReed.html. U.S. Department of Agriculture, Forest Service, Animal and Plant Health Inspection Service, and Plant Protection and Quarantine Program, Athens, Georgia; and University of Georgia, Warnell School of Forest Resources, and College of Agricultural and Environmental Sciences, Department of Entomology, Athens, Georgia.
- Boehme, S., and M. Panero. 2003. Pollution prevention and management strategies for cadmium in the New York/New Jersey Harbor. *New York Academy of Sciences*, New York, New York. 68 pp.
- Boesch, D.F., J.C. Field, and D.D. Scavia. 2000. The potential consequences of climate variability and change on coastal areas and marine resources. NOAA Coastal Ocean Program Decision Analysis Series Number 21. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Ocean Service, Global Change Research Program and Coastal Ocean Program, Silver Spring, Maryland. 163 pp. (Available online at www.cop.noaa.gov/pubs/coastalclimate.PDF.)
- _____, and R.E. Turner. 1984. Dependence of fishery species on salt marshes: The role of food and refuge. *Estuaries* 7: 460-468.
- Bolen, E.G., and W.L. Robinson. 2003. Food and cover, Chapter 7. Pages 92-117 *In* *Wildlife ecology and management*, 5th Edition. Prentice Hall, Saddle River, New Jersey. 634 pp.

- Bondavalli, C., and R.E. Ulanowicz. 1999. Unexpected effects of predators upon their prey: The case of the American alligator. *Ecosystem* 2: 49-63.
- Borgmann, K.L., and A.D. Rodewald. 2004. Nest predation in an urbanizing landscape: The role of exotic shrubs. *Ecological Applications* 14: 1757-1765.
- Borough of Rutherford. 2004. Minutes of a regular meeting of the Mayor and Council held Tuesday April 27, 2004. Rutherford, New Jersey. (Available online at www.rutherford-nj.com/departments/council/minutes/MAR2704.pdf.)
- Botch, S.L., and R.J. Light. 1994. Constructed wetlands for municipal wastewater treatment. *Illinois Municipal Review* 73: 11-12. (Available online at www.lib.niu.edu/ipo/im940611.html.)
- Bourg, N.A. 1992. Status of the bog turtle (*Clemmys muhlenbergii*) in North America. Prepared for U.S. Fish and Wildlife Service, Newton Corner, Massachusetts. The Nature Conservancy, Pennsylvania Science Office, Middletown, Pennsylvania. 24 pp.
- Boyer, T., and S. Polasky. 2004. Valuing urban wetlands: A review of non-market valuation studies. *Wetlands* 744-755.
- Bragin, A.B., J. Misuik, C. Woolcott, K.R. Barrett, and R. Jusino-Atrensino. 2005. A fishery resource inventory of the Lower Hackensack River within the Hackensack Meadowlands District: A comparative study, 2001-2003 versus 1987-1988. New Jersey Meadowlands Commission and Meadowlands Environmental Research Institute, Lyndhurst, New Jersey. 45 pp. + tables and figures.
- Brands, S.J. 2005. Systema Naturae 2000 Web Page. sn2000.taxonomy.nl/. Amsterdam, The Netherlands.
- Breen, A., and D. Rigby. 2004. Excellence on the waterfront, 2004. The Waterfront Center, Washington, D.C. 20 pp.
- Breitburg, D.L., T. Loher, C.A. Pacey, and A. Gerstein. 1997. Varying effects of low dissolved oxygen on trophic interactions in an estuarine food web. *Ecological Monographs* 67: 489-507.
- Bren, L.L. 1993. Riparian zone, stream, and floodplain issues: A review. *Journal of Hydrology* 150: 277-299.
- Bricker, S. B., C.G. Clement, D.E. Pirhalla, S.P. Orlando, and D.R.G. Farrow. 1999. National estuarine eutrophication assessment: Effects of nutrient enrichment in the Nation's estuaries. National Oceanic and Atmospheric Administration, National Ocean Service, Special Projects Office and the National Centers for Coastal Ocean Science, Silver Spring, Maryland. 71 pp.

- Briggs, S.A., and the staff of the Rachel Carson Council. 1992. Basic guide to pesticides: Their characteristics and hazards. Taylor and Francis, Washington, D.C. 283 pp.
- Brinson, M.M. 1993. A hydrogeomorphic classification for wetlands. Wetland research program technical report WRP-DE-4. U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, Mississippi. 79 pp. + appendices. (Available online at el.erdc.usace.army.mil/wetlands/pdfs/wrpde4.pdf.)
- Brooklyn Botanic Garden. 2004a. History, ecology, and restoration of a degraded urban wetland. *Urban Habitats* 2 (1): 1-173.
- _____. 2004b. New York Metropolitan Flora Web Page. www.bbg.org/sci/nymf/. Brooklyn Botanic Garden, Brooklyn, New York.
- Brooks, A., and E. Agate. 2001. Vegetation management. Chapter 14 *In* Waterways and wetlands. British Trust for Conservation Volunteers, Doncaster, England. 169 pp. (Available online at handbooks.btcv.org.uk/handbooks/content/section/2489.)
- Brooks, B.W., C.K. Chambliss, J.K. Stanley, A. Ramirez, K.E. Banks, R.D. Johnson, and R.J. Lewis. 2005. Determination of select antidepressants in fish from an effluent-dominated stream. *Environmental Toxicology and Chemistry* 24: 464-469.
- Brosnan, T.M. and M.L. O'Shea. 1996. Long-term improvements in water quality due to sewage abatement in the lower Hudson River. *Estuaries* 19: 890-900.
- Brown, R.P., K.R. Cooper, A. Cristini, C. Rappe, and P.A. Bergqvist. 1994. Polychlorinated dibenzo-*p*-dioxins and dibenzofurans in *Mya arenaria* in the Newark/Raritan Bay Estuary. *Environmental Toxicology and Chemistry* 13: 523-528.
- Brown, S.B., B.A. Adams, D.G. Cyr, and J.G. Eales. 2004. Contaminant effects on the teleost fish thyroid. *Environmental Toxicology and Chemistry* 23: 1680-1701.
- Brown, T., D.J. Decker, S.J. Riley, J.W. Enck, T.B. Lauber, P.D. Curtis, and G.F. Mattfeld. 2000. The future of hunting as a mechanism to control white-tailed deer populations. *Wildlife Society Bulletin* 28: 797-807.
- Buchanan, G.A., D.R. Russell, and D.A. Thomas. 2001. Derivation of New Jersey-specific wildlife values as surface water quality criteria for: PCBs, DDT, and mercury. New Jersey Department of Environmental Protection, Trenton, New Jersey. 36 pp.
- Bueno, J.A., A.T. Vassilios, and L. Alvarez. 1995. South Florida greenways: A conceptual framework for the ecological reconnectedness of the region. *Landscape and Urban Planning* 33: 247-266.
- Burdick, D.M., M. Dionne, R.M. Boumans, and F.T. Short. 1997. Ecological responses to tidal restorations of two northern New England salt marshes. *Wetlands Ecology and Management* 4: 129-144.

- Burger, J., K.K. Pflugh, L. Lurig, L.A. Von Hagen, and S. Von Hagen. 1999. Fishing in urban New Jersey: Ethnicity affects information sources, perception, and compliance. *Risk Analysis* 19: 217-229.
- Burkholder, J.M., H.B. Glasgos, and C.W. Hobbs. 1995. Fish kills linked to a toxic ambush-predator dinoflagellate: Distribution and environmental conditions. *Marine Ecology Progress Series* 124: 43-61.
- Burton, T.M., and G.E. Likens. 1975. Salamander populations and biomass in the Hubbard Brook experimental forest, New Hampshire. *Copeia* 1975: 541-546.
- Bury, R.B. 1979. Review of the ecology and conservation of the bog turtle, *Clemmys muhlenbergii*. U.S. Department of the Interior, Fish and Wildlife Service, Special Scientific Report-Wildlife No. 219: 1-9.
- Bush, C.P., and J.S. Weis. 1983. Effects of salinity on fertilization success in two populations of *Fundulus heteroclitus*. *Biological Bulletin* 164: 406-17.
- Butler, D. and J.W. Davies. 2000. Urban drainage. E and FN Spon, London, England. 489 pp.
- Butler, R.A., M.L. Kelley, W. Powell, M.E. Hahn, and R.J. Van Beneden. 2001. An aryl hydrocarbon receptor (AHR) homologue from the soft-shell clam, *Mya arenaria*: Evidence that invertebrate homologues lack 2,3,7,8-tetrachlorodibenzo-*p*-dioxin and β -naphthoflavone binding. *Gene* 278: 223-234.
- _____, M.L. Kelley, K.E. Olberding, G.R. Gardiner, and R.J. Van Beneden. 2004. Aryl hydrocarbon (AhR)-independent effects of 2,3,7,8-tetrachloro-*p*-dioxin (TCDD) on softshell clam (*Mya arenaria*) reproductive tissue. *Comparative Biochemistry and Physiology C* 138: 375-381.
- Cabanes, C., A. Cazenave, and C. Le Provost. 2001. Sea level rise during past 40 years determined from satellite and *in situ* observations. *Science* 294: 840-842.
- Cabe, P.R. 1993. European Starling (*Sturnus vulgaris*) Web Page. bna.birds.cornell.edu/BNA/account/European_Starling/RECOMMENDED_CITATION.html. No. 48 *In* (A. Poole and F. Gill, Eds.). *The Birds of North America*. The Academy of Natural Sciences, Philadelphia, Pennsylvania; and The American Ornithologists' Union, Washington, D.C.
- Cahoon, D.R., and J. Lynch. 2005. Surface Elevation Table (SET) Web Page. www.pwrc.usgs.gov/set/. U.S. Department of the Interior, Geological Survey, Patuxent Wildlife Research Center, Laurel, Maryland.
- Cairns, J., Jr. 1987. Disturbed ecosystems as opportunities for research in restoration ecology. Pages 307-320 *In* W.R. Jordan, III, M.E. Gilpin, and J.D. Aber (eds.). *Restoration*

- ecology: A synthetic approach to ecological research. Cambridge University Press, New York, New York. 342 pp.
- CALFED Bay Delta Program. 2002. Evaluating and comparing proposed water management actions: A component of the water management strategy evaluation framework. California Bay-Delta Authority, Sacramento, California. 52 pp. + appendices.
- Carlton, J.T. 2001. Introduced species in U.S. coastal waters: Environmental impacts and management priorities. Pew Oceans Commission, Arlington, Virginia. 28 pp.
- _____, J.K. Thompson, L.E. Schemel, and F.H. Nichols. 1990. Remarkable invasion of San Francisco Bay (California, USA) by the Asian clam *Potamocorbula amurensis*. I. Introduction and dispersal. Marine Ecology Progress Series 66: 81-94.
- Carola, H. 1999. Sign-on letter in defense of the Hackensack Meadowlands. Hackensack Meadowlands Preservation Alliance, Little Ferry, New Jersey. (Available online at www.gsenet.org/library/11gsn/1999/g91018a.php.)
- Carson, R. 1962. Silent Spring. Houghton Mifflin, New York, New York. 378 pp.
- Carter, S.L., C.A. Haas, and J.C. Mitchell. 1999. Home range and habitat selection of bog turtles in southwestern Virginia. Journal of Wildlife Management 63: 853-860.
- Casagrande, D.G. 1997a. Values, perceptions, and restoration goals. Pages 62-75 In D.G. Casagrande (ed.). Restoration of an urban salt marsh: An interdisciplinary approach. Bulletin 100. Yale School of Forestry and Environmental Studies, Yale University, New Haven, Connecticut. 270 pp.
- _____. 1997b. Human component of urban wetland restoration. Pages 254-270 In D.G. Casagrande (ed.). Restoration of an Urban Salt Marsh: An Interdisciplinary Approach. Bulletin 100. Yale School of Forestry and Environmental Studies, Yale University, New Haven, Connecticut. 270 pp.
- Castelle, A.J., A.W. Johnson, and C. Connolly. 1994. Wetland and stream buffer requirements-a review. Journal of Environmental Quality 23: 878-882.
- Celebrano, M. 1995. A characterization of sites in the Hackensack Meadowlands District experiencing unexplained decline of *Spartina alterniflora*. Report No. 1995-002. Hackensack Meadowlands Development Commission, Lyndhurst, New Jersey. 48 pp.
- CensusScope. 2005. Bergen-Passaic, NJ Population Growth, 1960-2000, Web Page. www.censuscope.org/us/m875/chart_pop1.html. Social Science Data Analysis Network, University of Michigan, Ann Arbor, Michigan.
- Center for Watershed Protection. 2003. New York State stormwater management design manual. Prepared for New York State Department of Environmental Conservation,

- Albany New York. Center for Watershed Protection, Ellicott City, Maryland. 192 pp. + appendices.
- Chambers, R.M., L.A. Meyerson, and K. Saltonstall. 1999. Expansion of *Phragmites australis* into tidal wetlands of North America. *Aquatic Botany* 64: 261-273.
- _____, T.J. Mozdzer, and J.C. Ambrose. 1998. Effects of salinity and sulfide on the distribution of *Phragmites australis* and *Spartina alterniflora* in a tidal saltmarsh. *Aquatic Botany* 62: 161-169.
- Chandra, P., and K. Kulshreshtha. 2004. Chromium accumulation and toxicity in aquatic vascular plants. *The Botanical Review* 70: 313-327.
- Chang, S., V.S. Zdanowicz, and R.A. Murchelano. 1998. Associations between liver lesions in winter flounder (*Pleuronectes americanus*) and sediment chemical contaminants from northeast United States estuaries. *ICES Journal of Marine Science* 55(5): 954-969.
- Chapman, J.A., and G.A. Feldhammer. 1992. *Wild mammals of North America: Biology, management, and economics*. Johns Hopkins University Press, Baltimore, Maryland. 1147 pp.
- Chapman, M.G. 2003. Paucity of mobile species on constructed seawalls: Effects of urbanization on biodiversity. *Marine Ecology Progress Series* 264: 21-29.
- Chase, J.D., K.R. Dixon, J.E. Gates, D. Jacob, and G.J. Taylor. 1989. Habitat characteristics, population size, and home range of the bog turtle, *Clemmys muhlenbergii*, in Maryland. *Journal of Herpetology* 23: 356-362.
- Chesapeake Bay *Phragmites australis* Working Group. 2003. *Common reed (Phragmites australis) in the Chesapeake Bay: A draft bay-wide management plan*. U.S. Department of the Interior, Fish and Wildlife Service, Chesapeake Bay Field Office, Annapolis, Maryland. 30 pp. (Available online at www.chesapeakebay.net/pubs/calendar/NISW_12-10-03_Report_4_5129.pdf.)
- Chess, C., J. Burger, and M.H. McDermott. 2005. Speaking like a state: Environmental justice and fish consumption advisories. *Society and Natural Resources* 18: 267-278.
- Child, L.E., L.C. de Waal, P.M. Wade, and J.P. Palmer. 1992. Control and management of *Reynoutria* species (knotweed). *Aspects of Applied Biology* 29: 295-307.
- Church, J.A., J.M. Gregory, P. Huybrechts, M. Kuhn, K. Lambeck, M.T. Nhuan, D. Qin, and P. Woodworth. 2001. Changes in sea level. Pages 639-694 *In* J.T. Houghton, Y. Ding, D.J. Griggs, M. Noguer, P.J. van der Linden, X. Dai, K. Maskell, and C.A. Johnson (eds.). *Climate change 2001: The scientific basis*. Cambridge University Press, Cambridge, United Kingdom. 944 pp.
- Clements, W.H., J.T. Oris, and T.E. Wissing. 1994. Accumulation and food chain transfer of

- fluoranthene and benzo-*a*-pyrene in *Chironomus riparius* and *Lepomis macrochirus*. Archives of Environmental Contamination and Toxicology 26: 261-266.
- Clotfelter, E.D., A.M. Bell, and K.R. Levering. 2004. The role of animal behaviour in the study of endocrine-disrupting chemicals. Animal Behaviour 68: 665-676.
- Cohen, A.N., and J.T. Carleton. 1998. Accelerating invasion in a highly invaded estuary. Science 279: 555-558.
- Colburn, T., and C. Clement. 1992. Chemically-induced alterations in sexual and functional development: The wildlife/human connection. Volume XXI, Advances in Modern Environmental Toxicology. Princeton Scientific Publishing, Princeton, New Jersey. 403 pp.
- _____, D., Dumanoski, and J.P. Myers. 1996. Our stolen future. The Penguin Group, New York, New York. 306 pp.
- Coleman, J.S., and S.A. Temple. 1996. On the prowl. Wisconsin Natural Resources Magazine, Wisconsin Department of Natural Resources, Madison, Wisconsin. (Available online at www.wnrmag.com/stories/1996/dec96/cats.htm.)
- Collier, C.L., and A.N. Powell. 1998. Reproductive success of Belding's savannah sparrows in a highly fragmented landscape. The Auk 115: 508-513. (Version 18MAY98 available online at www.npwrc.usgs.gov/resource/birds/belding/belding.htm.)
- Collins, J.P., A. Kinzig, N.B. Grimm, W.F. Fagan, D. Hope, J. Wu, and E.T. Borer. 2000. A new urban ecology. American Scientist 88: 416-425.
- Compeau, G., and R. Bartha. 1985. Sulfate reducing bacteria: Principal methylators of Hg in anoxic estuarine sediments. Applied Environmental Microbiology 50: 498-502.
- Connelly, J. 2003. Congressional testimony of John Connelly, President, National Fisheries Institute, on invasive species. U.S. House of Representatives; Committee on Resources; Oceans, Fisheries, and Wildlife Conservation Subcommittee, and National Parks, Recreation, and Public Lands Subcommittee; Washington, D.C. (Available online at resourcescommittee.house.gov/108cong/fish/2003apr29/connelly.htm.)
- Connecticut Agricultural Experiment Station. 2005. Ailanthus, Tree-of-heaven (*Ailanthus*) Plant Pest Handbook Web Page. www.caes.state.ct.us/PlantPestHandbookFiles/pphA/pphalia.htm. Connecticut Agricultural Experiment Station, New Haven, Connecticut.
- Conrad, D.R., B. McNitt, and M. Stout. 1998. Higher ground: A report on voluntary buyouts in the nation's floodplains. National Wildlife Federation, Vienna, Virginia. 194 pp.
- Cordell, J.R., and S.M. Morrison. 1996. The invasive Asian copepod *Pseudodiaptomus inopinus* in Oregon, Washington, and British Columbia estuaries. Estuaries 19: 629-638.

- Corner, E.D.S., R.P. Harris, K.J. Whittle, and P.R. Mackie. 1976. Hydrocarbons in marine zooplankton and fish. Pages 71-106 *In* A.P.M. Lockwood (ed.). Effects of pollutants on aquatic organisms. Cambridge University Press, Cambridge, England.
- Cornutt, J.L., J. Comiskey, M.P. Nott, and L.J. Gross. 2000. Landscape-based spatially explicit species index models for Everglades restoration. *Ecological Applications* 10: 1849-1860.
- Costa, M., N.T. Christie, O. Cantoni, J.T. Zelikoff, X.W. Wang and T.G. Rossman. 1991. DNA damage by mercury compounds: An overview. Pages 255-273 *In* T. Suzuki, N. Imura and T.W. Clarkson (eds.). *Advances in Mercury Toxicology*, Plenum Press, New York, New York. 512 pp.
- Costanza, R., R. d'Arge, R. de Groot, S. Farberk, M. Grasso, B. Hannon, K. Limburg, S. Naeem, R.V. O'Neill, J. Paruelo, R.G. Raskin, P. Sutton, and M. van den Belt. 1997. The value of the world's ecosystem services and natural capital. *Nature* 387: 253-60.
- Côté, S.D., T.P. Rooney, J.-P. Tremblay, C. Dussault, and D.M. Waller. 2004. Ecological impacts of deer overabundance. *Annual Review of Ecology, Evolution, and Systematics* 35: 113-147.
- Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deepwater habitats of the United States. FWS/OBS-79/31. U.S. Department of the Interior, Fish and Wildlife Service, Office of Biological Services, Washington, D.C. 103 pp.
- Crane, P., and A. Kinzig. 2005. Nature in the metropolis. *Science* 308: 1225.
- Crawford, D.W., N.L. Bonnevie, and R.J. Wenning. 1995. Sources of pollution and sediment contamination in Newark Bay, New Jersey. *Ecotoxicology and Environmental Safety* 30: 85-100.
- Crooks, K.R., and M.E. Soulé. 1999. Mesopredator release and avifaunal extinctions in fragmented systems. *Nature* 400: 563-565.
- Crooks, S. and R.K. Turner. 1999. Integrated coastal management: Sustaining estuarine natural resources. *Advances in Ecological Research* 29: 241-289.
- Cross, D.H. and K.L. Fleming. 1989. Control of *Phragmites* or common reed. FWS/OIT-13.4.12: 1-5. U.S. Department of the Interior, Fish and Wildlife Service, Office of Information Transfer, Ft. Collins, Colorado.
- Crump, D., D. Lean, and V.L. Trudeau. 2002. Octylphenol and UV-B radiation alter larval development and hypothalamic gene expression in the leopard frog (*Rana pipiens*). *Environmental Health Perspectives* 110: 277-284.
- Culver, C.S., and A.M. Kuris. 1999. The sabellid pest of abalone: The first eradication of an established introduced marine bioinvader? First National Conference on Marine

- Bioinvasions. January 24-27, 1999. Cambridge, Massachusetts. (Available online at massbay.mit.edu/exoticspecies/conferences/1999.)
- Dahl, T.E. 1990. Wetlands losses in the United States 1780s to 1980s. U.S. Department of the Interior, Fish and Wildlife Service, Northern Prairie Wildlife Research Center, Jamestown, North Dakota. 21 pp. (Version 16JUL97 available online at www.npwrc.usgs.gov/resource/othrdata/wetloss/wetloss.htm.)
- _____. 2000. Status and trends of wetlands in the conterminous United States, 1986-1997. U.S. Department of the Interior, Fish and Wildlife Service, Washington, D.C. 82 pp.
- _____, and C.E. Johnson. 1991. Wetland status and trends in the continuous United States mid-1970s to mid-1980s. U.S. Department of the Interior, Fish and Wildlife Service, Washington, D.C. 28 pp.
- Daily, G.C., S. Alexander, P.R. Ehrlich, L. Goulder, J. Lubchenco, P.A. Matson, H.A. Mooney, S. Postel, S.H. Schneider, D. Tilman, and G.M. Woodwell. 1997. Ecosystem services: Benefits supplied to human societies by natural ecosystems. *Issues in Ecology* 2: 1-18.
- Darnerud, P.O., D. Morse, E. Klasson-Wehler, and A. Brouwer. 1996. Binding of a 3,3',4,4'-tetrachlorobiphenyl (CB-77) metabolite to fetal transthyretin and effects on fetal thyroid hormone levels in mice. *Toxicology* 106: 105-114.
- Daszak, P., A.A. Cunningham, and A.D. Hyatt. 2003. Infectious disease and amphibian population declines. *Diversity and Distributions* 9: 141-150.
- Davis, J.A., D. Yee, J.N. Collins, S.E. Schwarzbach, and S.N. Luoma. 2003. Potential for increased mercury accumulation in the estuary food web. *San Francisco Estuary and Watershed Science* 1: Article 4. 36 pp.
- de Cerreño, A.L.C., M. Panero, and S. Boehme. 2002. Pollution prevention and management strategies for mercury in the New York/New Jersey Harbor. *New York Academy of Sciences*, New York, New York. 113 pp.
- De Feo V., L. De Martino, E. Quaranta, and C. Pizza. 2003. Isolation of phytotoxic compounds from tree-of-heaven (*Ailanthus altissima* Swingle). *Journal of Agricultural and Food Chemistry* 51: 1177-80.
- DeGraaf, R.M., and M. Yamasaki. 1999. Bird and mammal habitat in riparian areas. Pages 149-156 *In* E.S. Veery, J.W. Hornbeck, and C.A. Dolloff (eds.). *Riparian Management in Forests of the Continental Eastern United States*. Lewis Publishers, Boca Raton, Florida. 432 pp.
- De Kay, J.E. 1842. Zoology of New-York, or the New-York fauna. Part IV. Fishes. W. and A. White, and J. Visscher, Albany, New York. (Not seen.)

- Delcourt, H.R. and P.A. Delcourt. 1988. Quaternary landscape ecology: Relevant scales in space and time. *Landscape Ecology* 2: 23-44.
- DeLuca, W.V., C.E. Studds, L.L. Rockwood, and P.P. Marra. 2004. Influence of land use on the integrity of marsh bird communities of Chesapeake Bay. *Wetlands* 24: 837-847.
- DeMent, S.H., J.J. Chisolm Jr., J.C. Barber, and J.D. Strandberg. 1986. Lead exposure in an "urban" peregrine falcon and its avian prey. *Journal of Wildlife Diseases* 22: 238-244.
- Den Hartog, C., J. Kvet, and H. Sukopp. 1989. Reed: A common species in decline. *Aquatic Botany* 35: 1-4.
- De Paulo, A., G.M. Capers, M.L. Motes, O. Olsvik, P.I. Fields, J. Wells, I.K. Wachsmuth, T.A. Cebula, W.H. Koch, F. Khambaty, M.H. Kothary, W.L. Payne and B.A. Wentz. 1992. Isolation of Latin American epidemic strain of *Vibrio cholera* O1 from U.S. Gulf Coast. *Lancet* 339: 624.
- Diamond, H.L., and P.F. Noonan. 1996. *Land use in America*. Island Press, Washington, D.C. 362 pp.
- Dias, P.C. 1996. Sources and sinks in population biology. *Trends in Ecology and Evolution* 11: 326-330.
- Diaz, R.J. 2001. Overview of hypoxia around the world. *Journal of Environmental Quality* 30: 275-281.
- _____ and R. Rosenberg. 1995. Marine benthic hypoxia: A review of its ecological effects and the behavioural responses of benthic macrofauna. *Oceanography and Marine Biology: An Annual Review* 33: 245-303.
- Dicker, N and K. Anderson. 1991. A botanical inventory for the Hackensack Meadowlands Development Commission. New Jersey Meadowlands Commission, Lyndhurst, New Jersey. (Plant list available at nynjctbotany.org/njnbtofc/losen.html.)
- DiLorenzo, J.L., R.J. Filadelfo, C.R. Surak, H.S. Litwack, V.K. Gunawardana, and T.O. Najarian. 2004. Tidal variability in the water quality of an urbanized estuary. *Estuaries* 27: 851-860.
- Dimou, K.N., T.L. Su, G.P. Korfiatis, and R.I. Hires. 2003. The distribution of metals, PCBs and PCDD/Fs in the Hackensack River. Abstracts of the Meadowlands Symposium. October 9-10, New Jersey Meadowlands Commission Environment Center, Lyndhurst, New Jersey. 50 pp.
- Dixon, M.D., and W.C. Johnson. 1999. Riparian vegetation along the Middle Snake River, Idaho: Zonation, geographical trends, and historical changes. *Great Basin Naturalist* 59: 18-34.

- Donnelly, J.P., and M.D. Bertness. 2001. Rapid shoreward encroachment of salt marsh cordgrass in response to accelerated sea-level rise. *Proceedings of the National Academy of Sciences* 98: 14218-14223.
- Donovan, T.M., and R.H. Lamberson. 2001. Area-sensitive distributions counteract negative effects of habitat fragmentation on breeding birds. *Ecology* 82: 1170-1179.
- Douglas, B.C., M.S. Kearney, and S.P. Leatherman. 2001. Sea level rise: History and consequences. *International Geophysics Series, Volume 75*, Academic Press, New York. 232 pp.
- Drake, J.A., H.A. Mooney, F. di Castri, R.H. Groves, F.J. Kruger, M. Rejmanek, and M. Williamson. 1989. *Biological invasions: A global perspective*. John Wiley and Sons, New York. 525 pp.
- Dramstad, Wenche E., J. Olson, and R.T. Forman. 1996. *Landscape ecology principles in landscape architecture and land-use planning*. Island Press, Washington, D.C. 80 pp.
- Dunn, J.P. 1990. Proboscidea in Massachusetts. *Bulletin of the Massachusetts Archaeological Society* 51: 35-42.
- Dunne, P., P. Kerlinger, and R. Kane. 1989. *New Jersey at the Crossroads of Migration*. New Jersey Audubon Society, Franklin Lakes, New Jersey. 74 pp.
- Dunning, J.B., Jr., R. Borgella, Jr., K. Clements, and G.K. Meffe. 1995. Patch isolation, corridor effects, and colonization by a resident sparrow in a managed pine woodland. *Conservation Biology* 9: 542-550.
- Durell, G.S. and R.D. Lizotte. 1998. PCB levels at 26 New York City and New Jersey WPCPs that discharge to the New York/New Jersey Harbor Estuary. *Environmental Science and Technology* 32: 1022-1031.
- Eijsackers H., C.A. Van Gestel, S. De Jonge, B. Muijs, and D. Slijkerman. 2001. Polycyclic aromatic hydrocarbon-polluted dredged peat sediments and earthworms: A mutual interference. *Ecotoxicology* 10: 35-50.
- Eisler, R. 1987. Mercury hazards to fish, wildlife, and invertebrates: A synoptic review. U.S. Fish and Wildlife Service Biological Report 85(1.10). U.S. Department of the Interior, Fish and Wildlife Service, Patuxent Wildlife Research Center, Laurel, Maryland. 90 pp.
- _____. 1998. Copper hazards to fish, wildlife, and invertebrates: A synoptic review. Biological Science Report USGS/BRD/BSR--1998-0002. U.S. Department of the Interior, Geological Survey, Biological Resources Division, USGS Patuxent Wildlife Research Center, Laurel, Maryland. 98 pp.

- Eljarrat, E., A. De la Cal, D. Raldua, C. Duran, and D. Barcelo. 2004. Occurrence and bioavailability of polybrominated diphenyl ethers and hexabromocyclododecane in sediment and fish from the Cinca River, a tributary of the Ebro River (Spain). *Environmental Science and Technology* 38: 2603-2608.
- Emery, S.L., and J.A. Perry. 1996. Decomposition rates and phosphorus concentrations of purple loosestrife (*Lythrum salicaria*) and cattail (*Typha* spp.) in fourteen Minnesota wetlands. *Hydrobiologia* 323: 129-138.
- ENSR, International. 2004. Screening level ecological risk assessment of contamination in wetlands considered for restoration in Hackensack Meadowlands District. Final report prepared for the New Jersey Meadowlands Commission and the Meadowlands Environmental Research Institute, New Jersey. ENSR, International, Piscataway, New Jersey. 89 pp. + appendices.
- Environment Canada. 2005. Building a Better Marsh Web Page. www.bsceoc.org/mrsh_bild.html. Environment Canada, Bird Studies Canada, Great Lakes Marsh Monitoring Program, Rowan, Ontario, Canada.
- ERM-Southeast, Inc. 1985. Berry's Creek Study, Volume 1, Nature of the Problem. Final Report. Task 1 of the Berry's Creek RI/FS Investigation. ERM-Southeast, Inc., Charleston, South Carolina.
- Erwin, R.M., G.M. Sanders, and D.J. Prosser. 2004. Changes in lagoonal marsh morphology at selected northeastern Atlantic coast sites of significance to migratory waterbirds. *Wetlands* 24: 891-903.
- Evers, D.C., N.M. Burgess, L. Champoux, B. Hoskins, A. Major, W.M. Goodale, R.J. Taylor, R. Poppenga, and T. Daigle. 2005. Patterns and interpretation of mercury exposure in freshwater avian communities in northeastern North America. *Ecotoxicology* 14: 193-221.
- Exponent Environmental Group. 1998. Phase I Remedial Investigation Report: Ventron/Velsicol Site, Woodridge/Carlstadt, New Jersey. Volume 1. Prepared for Velsicol Chemical Corporation and Morton International, Inc. Exponent Environmental Group, New York, New York.
- Faanes, C.A. 1979. Status of the black tern in western Wisconsin. *Passenger Pigeon* 41: 124-128.
- Faeth, S.H., P.S. Warren, E. Shochat, and W.A. Marussich. 2005. Trophic dynamics in urban communities. *BioScience* 55: 399-407.
- Fagan, W.F., R.S. Cantrell, and C. Cosner. 1999. How habitat edges change species interactions. *American Naturalist*. 153: 165-182.

- Fahrig, L. 1997. Relative effects of habitat loss and fragmentation on population extinction. *Journal of Wildlife Management* 61: 603-610.
- _____. 2003. Effects of habitat fragmentation on biodiversity. *Annual Review of Ecology and Systematics* 34: 487-515.
- _____ and G. Merriam. 1994. Conservation of fragmented populations. *Conservation Biology* 8: 50-59.
- Federal Emergency Management Agency. 1995. ESRI/FEMA Project Hazard Awareness Web Site. www.esri.com/hazards/makemap.html. ESRI, Inc., Redlands, California; and Federal Emergency Management Agency, Washington, D.C.
- _____. 1999. New Jersey Reduces Damage from Hurricane Floyd Web Page. www.state.nj.us/njoem/pdf/dr-1295-nj%20full.pdf. Disaster Field Office, Region II, Federal Emergency Management Agency, Piscataway, New Jersey.
- Fell, P.E., S.P. Weissbach, D.A. Jones, M.A. Fallon, J.A. Zeppieri, E.K. Faison, K.A. Lennon, K.J. Newberry, and L.K. Reddington. 1998. Does invasion of oligohaline tidal marshes by reed grass, *Phragmites australis* (Cav.) Trin. Ex Steud., affect the availability of prey resources for the mummichog, *Fundulus heteroclitus* L.? *Journal of Experimental Marine Biology and Ecology* 222: 59-77.
- Feng, H., J.K. Cochran, H. Lwiza, B.J. Brownawell, and D.J. Hirschberg. 1998. Distribution of heavy metal and PCB contaminants in the sediments of an urban estuary: The Hudson River. *Marine Environmental Research* 45: 69-88.
- _____, J.K. Cochran, and D.J. Hirschberg. 2002. Transport and sources of metal contaminants over the course of tidal cycle in the turbidity maximum zone of the Hudson River estuary. *Water Research* 36: 733-43.
- Ferguson, J.J., and B. Rathinasabapathi. 2003. Allelopathy: How plants suppress other plants. Document HS944, University of Florida, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, Horticultural Sciences Department, Gainesville, Florida. 3 pp. (Available online at edis.ifas.ufl.edu/pdf/HS/HS18600.pdf.)
- Fernandez, M.P., M.G. Ikonou, S.C. Courtenay, and I.I. Wirgin. 2004. Spatial variation in hepatic levels and patterns of PCBs and PCDD/Fs among young-of-the-year and adult Atlantic tomcod (*Microgadus tomcod*) in the Hudson River estuary. *Environmental Science and Technology* 38(4): 976-983.
- Fernie, K.J., G.R. Bortolotti, J.E. Smits, J. Willson, K.G. Drouillard, and D.M. Bird. 2000a. Changes in egg composition of American kestrels exposed to polychlorinated biphenyls. *Journal of Toxicology and Environmental Health* 60: 101-113.

- _____, J.E. Smits, G.R. Bortolotti, and D.M. Bird. 2000b. Reproductive success of American kestrels exposed to dietary polychlorinated biphenyls. *Environmental Toxicology and Chemistry* 20: 776-781.
- _____. 2001a. Reproduction success of American kestrels exposed to dietary polychlorinated biphenyls. *Environmental Toxicology and Chemistry* 20: 776-781.
- _____. 2001b. *In ovo* exposure to polychlorinated biphenyls: Reproductive effects on second-generation American kestrels. *Archives of Environmental Contamination and Toxicology* 40: 544-550.
- Feyrer, F., B. Herbold, S. Matern, and P.B. Moyle. 2003. Dietary shifts in a stressed fish assemblage: Consequences of a bivalve invasion in the San Francisco Estuary. *Environmental Biology of Fishes* 67: 277-288.
- Findlay, S., S. Dye, and K.A. Kuehn. 2002. Microbial growth and nitrogen retention in litter of *Phragmites australis* and *Typha angustifolia*. *Wetlands* 22: 616-625.
- Fischer, R.A., and J.C. Fishenich. 2000. Design recommendations for riparian corridors and vegetated buffer strips. ERDC TN-EMRRP-SR-24. U.S. Army Corps of Engineers, Engineer Research and Development Center, Environmental Laboratory, Vicksburg, Mississippi. 17 pp. (Available online at www.dnr.state.wi.us/org/water/wm/dsfm/shore/documents/sr24.pdf.)
- Florida Office of Program Policy Analysis and Government Accountability. 2000. Policy review: Wetland mitigation, Department of Environmental Protection and the Water Management Districts. Report No. 99-40. Office of Program Policy Analysis and Government Accountability, Florida State Legislature, Tallahassee, Florida. 42 pp. + appendices.
- Flynn, T.J., S.G. Walesh, J.G. Titus, and M.C. Barth. 1984. Implications of sea level rise for hazardous waste sites in coastal floodplains. Pages 206-225 *In* M.C. Barth and J.G. Titus (eds.) *Greenhouse effect and sea level rise: A challenge for this generation*. Van Nostrand Reinhold Company Inc., London, England. 238 pp. (Available online at yosemite.epa.gov/OAR/globalwarming.nsf/content/ResourceCenterPublicationsSLRChallenge.html.)
- Foote, M.A., and R.E. Loveland. 1982. The development of phytoplankton populations and nutrients in a tidal river under drought conditions. Final report, Project A-063-NJ, Center for Coastal and Environmental Studies, Department of Zoology, Rutgers University, New Brunswick, New Jersey. U.S. Department of the Interior, Office of Water Resources and Technology, Washington, D.C. 110 pp.
- Forman, R.T.T., and L.E. Alexander. 1998. Roads and their major ecological effects. *Annual Review of Ecology and Systematics* 29: 207-331.

- Franklin, A.B., B.R. Noon, and T.L. George. 2002. What is habitat fragmentation? *Studies in Avian Biology* 25: 20-29.
- Frelich, L.E. and A.R. Holdsworth. 2002. Exotic earthworms in Minnesota hardwood forests: An investigation of earthworm distribution, understory plant communities, and forest floor dynamics in northern hardwood forests. Conservation Biology Research Grant 100005905, Minnesota Department of Natural Resources, Division of Ecological Services, 15 pp. (Available online at files.dnr.state.mn.us/ecological_services/nongame/projects/congrant_reports/2002_Frelich_sign2.pdf.)
- French, J.R., and H. Burningham. 2003. Tidal marsh sedimentation versus sea-level rise: A southeast England estuarine perspective. *Proceedings, Coastal Sediments '03*, Clearwater, Florida. 14 pp. (Available online at www.geog.ucl.ac.uk/ceru/download/French-CS03paper.pdf.)
- French McCay, D.P., and J.J. Rowe. 2003. Habitat restoration as mitigation for lost production at multiple trophic levels. *Marine Ecology Progress Series* 264: 233-247.
- Fry, B. 1999. Using stable isotopes to monitor watershed influences on aquatic trophodynamics. *Canadian Journal of Fisheries and Aquatic Sciences* 56: 2167-2171.
- Galatowitsch, S.M., N.O. Anderson, and P.D. Ascher. 1999. Invasiveness in wetlands plants in temperate North America. *Wetlands* 19: 733-755.
- Galbraith, H. R. Jones, R. Park, J. Clough, S. Herrod-Julius, B. Harrington, and G. Page. 2002. Global climate change and sea level rise: Potential losses of intertidal habitat for shorebirds. *Waterbirds* 25: 173-183.
- Galluzzi, P.F. 1981. Mercury in mammals, reptiles, birds, and waterfowl collected in the Hackensack Meadowlands, New Jersey. 26th Annual Meeting, New Jersey Academy of Sciences, *Bulletin of the New Jersey Academy of Sciences*. Rutgers University, New Brunswick, New Jersey.
- Gambrell, R.P. 1994. Trace and toxic metals in wetlands: A review. *Journal of Environmental Quality* 23: 883-891.
- Gardinelli, P.R., J.L. Sericano, and T.L. Wade. 2004. Uptake and depuration of toxic halogenated aromatic hydrocarbons by the American oyster (*Crassostrea virginica*): A field study. *Chemosphere* 54: 61-70.
- Gardner, S.C., C.E. Grue, W.W. Major III, and L.L. Conquest. 2001. Aquatic invertebrate communities associated with purple loosestrife (*Lythrum salicaria*), cattail (*Typha latifolia*), and bulrush (*Scirpus acutus*) in central Washington, USA. *Wetlands* 21: 593-601.
- Garie, H.L., and A. McIntosh. 1986. Distribution of benthic macroinvertebrates in a stream exposed to urban runoff. *Water Resources Bulletin* 22: 447-455.

- Gaudet, C.L. and P.A. Keddy. 1988. A comparative approach to predicting competitive ability from plant traits. *Nature* 334: 242-243.
- Giannico, G.R., and J.A. Souder. 2004. The Effects of Tide Gates on Estuarine Habitats and Migratory Fish Web Page. seagrant.oregonstate.edu/sgpubs/onlinepubs/g04002.pdf. Oregon State University, Sea Grant Program, Corvallis, Oregon.
- Giardina, A.R., K.A. Schmidt, E.M. Schaubert, and R.S. Ostfeld. 2000. Modeling the role of songbirds and rodents in the ecology of Lyme disease. *Canadian Journal of Zoology* 78: 2184-2197.
- Gibbons, J.W. 2003. Terrestrial habitat: A vital component for herpetofauna of isolated wetlands. *Wetlands* 23: 630-635.
- _____, D.E. Scott, T.J. Ryan, K.A. Buhlmann, T.D. Tuberville, B.S. Metts, J.L. Greene, T.M. Mills, Y. Leiden, S. Poppy, and C.T. Winne. 2000. Reptiles in decline: The global decline of reptiles, *déjà vu* amphibians. *BioScience* 50: 653-666.
- Gibbs, J.P., and W.G. Shriver. 2002. Estimating the effects of road mortality on turtle populations. *Conservation Biology* 16: 1647-1652.
- _____, and D.A. Steen. 2005. Trends in sex ratios of turtles in the United States: Implications of road mortality. *Conservation Biology* 19: 552-556.
- Giesy, J.P., D.A. Verbrugge, R.A. Othout, W.W. Bowerman, M.A. Mora, P.D. Jones, J.L. Newsted, C. Vandervoort, S.N. Heaton, R.J. Aulerich, S.J. Bursian, J.P. Ludwig, M. Ludwig, G.A. Dawson, T.J. Kubiak, D.A. Best, and D.E. Tillitt. 1994. Contaminants in fishes from Great Lakes-influenced sections and above dams of three Michigan Rivers. I. Concentrations of organochlorine insecticides, polychlorinated biphenyls, dioxin equivalents, and mercury. *Archives of Environmental Contamination and Toxicology* 27: 202-212.
- Gillesby, B.E., and T.R. Zacharewski. 1998. Exoestrogens: Mechanisms of action and strategies for identification and assessment. *Environmental Toxicology and Chemistry* 17: 3-14.
- Global Rural-Urban Mapping Project. 2005. The Growing Urbanization of the World Web Page. www.earthinstitute.columbia.edu/news/2005/story03-07-05.html. Columbia University, Earth Institute, Center for International Earth Science Information Network, New York, New York.
- Golet, F.C., and D.J. Lowry. 1987. Water regimes in tree growth in Rhode Island Atlantic white-cedar swamps. Pages 91-110 *In* A.D. Laderman (ed.). *Atlantic white cedar wetlands*, Westview Press, Boulder, Colorado. 401 pp.

- Goni-Urizza, M., M. Capdepuy, C. Arpin, N. Raymond, P. Caumette, and C. Quentin. 2000. Impact of an urban effluent on antibiotic resistance of riverine *Enterobacteriaceae* and *Aeromonas* spp. *Applied and Environmental Microbiology* 66: 125-132.
- Goodwin, B.J., R.S. Ostfeld, and E.M. Schaubert. 2001. Spatiotemporal variation in a Lyme disease host and vector: Blacklegged ticks on white-footed mice. *Vector Borne and Zoonotic Diseases* 1: 129-138.
- Gornitz, V. 2000. Rising Seas: A View from New York City Web Page. www.giss.nasa.gov/research/briefs/gornitz_05/. National Aeronautics and Space Administration, Goddard Institute for Space Studies, New York, New York.
- _____, S. Couch, and E.K. Hartig. 2001. Impacts of sea level rise in the New York City metropolitan area. *Global and Planetary Change* 32: 61-88.
- GPA Clearinghouse. 2001. Persistent Organic Pollutants: Dioxin and Furans Web Page. pops.gpa.unep.org/1_10dio.htm. United Nations Environment Programme. Global Programme of Action for the Protection of the Marine Environment from Land-based Activities, The Hague, The Netherlands.
- Grassman, J.A., S.A. Masten, N.J. Walker, and G.W. Lucier. 1998. Animal models of human response to dioxin. *Environmental Health Perspectives* 106 (Supplement 2): 761-775.
- Gravano, E., V. Giulietti, R. Desotgiu, F. Bussotti, P. Grossoni, G. Gerosa, and C. Tani. 2003. Foliar response of an *Ailanthus altissima* clone in two sites with different levels of ozone-pollution. *Environmental Pollution* 121: 137-148.
- Gray, M.A., and C.D. Metcalf. 1997. Induction of testes-ova in Japanese medaka (*Oryzias latipes*) exposed to *p*-nonylphenol. *Environmental Toxicology and Chemistry* 16: 1082-1086.
- Great Lakes Science Center. 2000. Zebra mussels cause economic and ecological problems in the Great Lakes. GLSC fact sheet 2000-6. U.S. Department of the Interior, Geological Survey, Great Lakes Science Center, Ann Arbor, Michigan. 2 pp. (Available online at www.glsc.usgs.gov/files/factsheets/2000-6%20Zebra%20Mussels.pdf.)
- Groffman, P.M., P.J. Bohlen, T.J. Fahey, and M.C. Fisk. 2004. Invasion of North Temperate Forest Soils by Exotic Earthworms Web Page. www.ecostudies.org/research/reports/groffrep2.html. Institute of Ecosystem Studies, Millbrook, New York.
- Grossman G.D., P.B. Moyle, and J.O. Whitaker. 1982. Stochasticity in structural and functional characteristics of an Indiana stream fish assemblage: A test of community theory. *American Naturalist* 120: 423-454.
- Gryzenhout, M., H.F. Glen, B.D. Wingfield, and M.J. Wingfield. 2005. Proposal to conserve the name *Cryphonectria* (*Diaporthales*) with a conserved type. *Taxon* 54: 539-540.

- Gunster, D.G., N.L. Bonnevie, C.A. Gillis, and R.J. Wenning. 1993a. Assessment of chemical loadings to Newark Bay, New Jersey from petroleum and hazardous chemical accidents occurring from 1986 to 1991. *Ecotoxicology and Environmental Safety* 25: 202-213.
- _____, C.A. Gillis, N.L. Bonnevie, T.B. Abel, and R.J. Wenning. 1993b. Petroleum and hazardous chemical spills in Newark Bay, New Jersey, USA from 1982 to 1991. *Environmental Pollution* 82: 245-253.
- Hackensack Meadowlands Development Commission. 1975. Wetland bio-zones of the Hackensack Meadowlands: An inventory. Hackensack Meadowlands Development Commission, Lyndhurst, New Jersey. 48 pp. + appendices.
- _____. 1978. Hackensack Meadowlands official zoning map. (Designed by Harrison and Appleman, New Jersey.) Hackensack Meadowlands Development Commission, Lyndhurst, New Jersey. 4 pp. + map.
- _____. 1980. Biological water quality and field sampling survey of the Hackensack Meadowlands. Hackensack Meadowlands Development Commission, Lyndhurst, New Jersey. 4 pp.
- _____. 1987. Species lists of organisms found in the Hackensack Meadows: Vascular plants-mammals. Hackensack Meadowlands Development Commission, Lyndhurst, New Jersey. 39 pp.
- Haddad, N.M., D.K. Rosenberg, and B.R. Noon. 2000. On experimentation and the study of corridors: Response to Beier and Noss. *Conservation Biology* 14: 1543-1545.
- Hager, H.A., and K.D. McCoy. 1998. The implications of accepting untested hypotheses: A review of the effects of purple loosestrife (*Lythrum salicaria*) in North America. *Biodiversity and Conservation* 7: 1069-1079.
- Hairston, N.G. 1987. Community ecology and salamander guilds. Cambridge University Press, New York, New York. 230 pp.
- Hales, L.S. Jr., and K.W. Able. 1995. Effects of oxygen concentration on somatic and otolith growth rates of juvenile black sea bass, *Centropristis striata*. Pages 135-153 *In* D.H. Secor, J.M. Dean, and S.E. Campana (eds.). *Recent Developments in Fish Otolith Research*. University of South Carolina Press, Columbia, South Carolina. 735 pp.
- Hamilton, S.J. and D.J. Hoffman. 2003. Trace element and nutrition interactions in fish and wildlife. Pages 1197-1235 *In* D.J. Hoffman, B.A. Rattner, G.A. Burton, Jr., and J. Cairns, Jr. (eds.). *Handbook of ecotoxicology*, 2nd Edition. Lewis Publishers, New York, New York. 1290 pp.
- Handel, S.N., G.R. Robinson, W.F.J. Parsons, and J.H. Mattei. 1997. Restoration of woody plants to capped landfills: Root dynamics in an engineered soil. *Restoration Ecology* 5: 178-186.

- Hanski, I., and C.D. Thomas. 1994. Metapopulation dynamics and conservation: A spatially explicit model applied to butterflies. *Biological Conservation* 68: 167-180.
- Haramis, G.M., and D.Q. Thompson. 1985. Density-production characteristics of box-nesting wood ducks in a northern greentree impoundment. *Journal of Wildlife Management* 49: 429-436.
- Harbor Estuary Program. 1996. Final Comprehensive Conservation and Management Plan, Including the Bight Restoration Plan. U.S. Environmental Protection Agency, New York-New Jersey Harbor Estuary Program, New York, New York. 280 pp.
- _____. 2002. Draft recommendations for improving compensatory habitat mitigation in the NY-NJ Harbor estuary. U.S. Environmental Protection Agency, New York-New Jersey Harbor Estuary Program, Habitat Workgroup, New York, New York. 21 pp. (Available online at www.seagrant.sunysb.edu/hep/pdf/DraftMitigation.pdf.)
- _____. 2005a. Harbor Estuary Program Web Page. www.harborestuary.org. U.S. Environmental Protection Agency, Region II, New York, New York.
- _____. 2005b. Regional Data Depot: NY/NJ Harbor and Long Island Sound Web Page. www.seagrant.sunysb.edu/hep/datadepo.htm. U.S. Environmental Protection Agency, Region II, New York, New York.
- Hargrave, B.T. 2003. Far-field environmental effects of marine finfish aquaculture. Volume I. A scientific review of the potential environmental effects of aquaculture in aquatic ecosystems. Canada Technical Report of Fisheries and Aquatic Sciences 2450. 50 pp.
- Hart, J.P. and C.M. Scarry. 1999. The age of common bean (*Phaseolis vulgaris*) in the northeastern United States. *American Antiquity* 64: 653-658.
- Hartig, E.K., V. Gornitz, A. Kolker, F. Muschacke, and D. Fallon. 2002. Anthropogenic and climate-change impacts on salt marshes of Jamaica Bay, New York City. *Wetlands* 22: 71-89.
- Hartman, J.M. 2000. Skeetkill Creek marsh wetlands mitigation site second annual monitoring report. Report Number 2000-028. Meadowlands Environmental Research Institute, New Jersey Meadowlands Commission, Lyndhurst, New Jersey.
- Haslam, S.M. 1971. Community regulation in *Phragmites communis* Trin.: Monodominant stands. *Journal of Ecology* 59: 65-73.
- _____. 1972. *Phragmites communis* Trin.: Biological flora of the British Isles. *Journal of Ecology* 60: 585-610.

- Hasse, J., and R. Lathrop. 2001. Measuring urban growth in New Jersey: A report on recent land development patterns utilizing the 1986-1995 NJDEP land use/land cover dataset. Walton Center for Remote Sensing and Spatial Analysis, Rutgers University, New Brunswick, New Jersey. 36 pp. + appendices.
- _____. 2003. Land resource impact indicators of urban sprawl. *Applied Geography* 23: 159-173.
- Havens K.J., W.I. Priest III, and H. Berquist. 1997. Investigation and long-term monitoring of *Phragmites australis* within Virginia's constructed wetland sites. *Environmental Management* 21: 599-605.
- _____, L.M. Varnell, and B.D. Watts. 2002. Maturation of a constructed tidal marsh relative to two natural references tidal marshes over 12 years. *Ecological Engineering* 18: 305-315.
- Havlik, M.E., and L.L. Marking. 1987. Effects of contaminants on Naiad mollusks (Unionidae) a review. U.S. Department of the Interior, Fish and Wildlife Service, Resource Publication 164. Washington, D.C. 20 pp.
- Hayden, B.P., J.H. Porter, and K.J. McGlathery. 2003. Findings: Long-term ecological research on disturbance, succession, and ecosystem state change at the Virginia Coast Reserve. Annual report (Award #0080381) to the National Science Foundation, University of Virginia, Environmental Sciences, Charlottesville, Virginia. 6 pp. (Available online at www.vcrlter.virginia.edu/elevol/annual_reports/NSFAnnualReport2003/annual_report_2003_findings.pdf.)
- Headlee, T.J. 1945. The mosquitoes of New Jersey and their control. Rutgers University Press, New Brunswick, New Jersey. 316 pp.
- Heatwole, H. 1977. Habitat selection in reptiles. Pages 523-605 *In* C. Gans and D. W. Huey (eds.). *Biology of the Reptilia, Volume 7. Ecology and Behaviour*. Academic Press, New York, New York. 720 pp.
- Heinz, G.H. 1996. Mercury poisoning in wildlife. Pages 118-127 *In* G.L. Hoff and J.W. Davis (eds.). *Noninfectious diseases of wildlife*. Iowa State University Press, Ames, Iowa. 219 pp.
- Heid, S.E., M.K. Walker, and H.I. Swanson. 2001. Correlation of cardiotoxicity mediated by halogenated aromatic hydrocarbons to aryl hydrocarbon receptor activation. *Toxicological Science* 61: 187-196.
- Heller, A.A. and J.H. Weber. 1998. Seasonal study of speciation of mercury (II) and monomethylmercury in *Spartina alterniflora* from the Great Bay Estuary, NH. *Science of the Total Environment* 221: 181-188.
- Herlands, R., R.C. Wood, J. Pritchard, H. Clapp, and N. Le Furge. 2004. Diamondback terrapin (*Malaclemys terrapin*) head-starting project in southern New Jersey. Pages 13-21 *In* C.

- Swarth, W. M. Roosenburg, and E. Kiviat (eds.). Conservation and Ecology of Turtles of the Mid-Atlantic Region: A Symposium. Bibliomania, Salt Lake City, Utah. 132 pp. (Available online at www.terrapinconservation.org/.)
- Heusser, C.J. 1949. History of an estuarine bog at Secaucus, New Jersey. *Torreya*, Bulletin of the Torrey Botanical Society 76: 385-406.
- Heyer, Gruel, and Associates. 2004. Open space and recreation plan, Hudson County. Heyer Gruel and Associates, New Brunswick, New Jersey. Hudson County, Hudson County Division of Planning, Open Space Advisory Committee, Jersey City, New Jersey. 21 sections. (Available online at www.hudsoncountynj.org/planning/openplan.asp.)
- Hickey, J.H., and D.W. Anderson. 1968. Chlorinated hydrocarbons and eggshell changes in raptorial and fish-eating birds. *Science* 162: 271-273.
- Hobbs, R.J. 1992. The role of corridors in conservation: Solution or bandwagon? *Trends in Ecology and Evolution* 7: 389-392.
- Hoehn, J.P., F. Lupi, and M.D. Kaplowitz. 2002. The economic equivalency of drained and restored wetlands in Michigan. *American Journal of Agricultural Economics* 84: 1355-1361.
- Hoffman, D.J., M.J. Melancon, P.N. Klein, C.P. Rice, J.D. Eisemann, R.K. Hines, J.W. Spann, and G.W. Pendleton. 1996. Developmental toxicity of PCB 126 (3,3',4,4',5-pentachlorobiphenyl) in nestling American kestrels (*Falco sparverius*). *Fundamental and Applied Toxicology* 34: 188-200.
- Holt, R.D. 1985. Population dynamics in two-patch environments: Some anomalous consequences of an optimal habitat distribution. *Theoretical Population Biology* 28: 181-208.
- Holzner, W. 1982. Concepts, categories and characteristics of weeds. Pages 3-20 *In* W. Holzner and M. Numata (eds.). *Biology and Ecology of Weeds*. Dr. W. Junk Publishers, The Hague, Netherlands. 461 pp.
- Hopkins, W.A., J.D. Congdon, and J.K. Ray. 2000. Incidence and impact of axial malformations in bullfrog larvae developing in sites impacted by coal combustion byproducts. *Environmental Toxicology and Chemistry* 19: 862-868.
- Hose, J.E., J.B. Hannah, M.L. Landolt, B.S. Miller, S.P. Felton, and W.T. Iwaoka. 1981. Uptake of benzo[a]pyrene by gonadal tissue of flatfish (Family Pleuronectidae) and its effects on subsequent egg development. *Journal of Toxicology and Environmental Health* 7: 991-1000.
- Hovander, L., T. Malmberg, M. Athanasiadou, I. Athanassiadis, S. Rahm, A. Bergman, and E.K. Wehler. 2002. Identification of hydroxylated PCB metabolites and other phenolic halogenated pollutants in human blood plasma. *Archives of Environmental Contamination and Toxicology* 42: 105-117.

- Howard, J.L. 2004. *Ailanthus altissima* Web Page. www.fs.fed.us/database/feis/. U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, Fire Sciences Laboratory, Missoula, Montana.
- Howe, R.W., G.J. Davis, and V. Mosca. 1991. The demographic significance of "sink" populations. *Biological Conservation* 57: 239-255.
- Howes, B.J., and S.C. Lougheed. 2004. The importance of cover rock in northern populations of five-lined skink (*Eumeces fasciatus*). *Herpetologica* 60: 287-294.
- Hu, S.Y. 1979. *Ailanthus*. *Arnoldia* 39: 29-50.
- Hull, J.H., J.M. Jersak, and C.A. Kasper. 1999. *In situ* capping of contaminated sediments: Comparing the relative effectiveness of sand versus clay mineral-based sediment caps. Pages 286-311 *In Proceedings, May 24-27, 1999 Conference on Hazardous Waste Research: Gateways to Environmental Solutions*. U.S. Environmental Protection Agency and Great Plains/Rocky Mountain Hazardous Substance Research Center, St. Louis, Missouri. 337 pp. (Available at www.engg.ksu.edu/HSRC/99Proceed/hull2.pdf.)
- Huntley, S.L., N.L. Bonnevie, and R.J. Wenning. 1995. Polycyclic aromatic hydrocarbon and petroleum hydrocarbon contamination in sediment from the Newark Bay estuary, New Jersey. *Archives of Environmental Contamination and Toxicology* 28: 93-107.
- Huntly, N. 1991. Herbivores and the dynamics of communities and ecosystems. *Annual Review of Ecology and Systematics* 22: 477-503.
- Huxel, G.R. and A. Hastings. 1999. Habitat loss, fragmentation, and restoration. *Restoration Ecology* 7: 1-7.
- Iannuzzi, T.J., D.F. Ludwig, J.C. Kinnell, J.M. Wallin, W.H. Desvousges, and R.W. Dunford. 2002. *A common tragedy: History of an urban river*. Amherst Scientific Publishers, Amherst, Massachusetts. 200 pp.
- Imus, W.H. 2003. Wetland and river restoration costs yesterday and today. *Headwaters to Ocean Conference: Integrating Rivers, Wetlands, and Coastlines in an Urban Environment*. Long Beach, California. (Available online at www.coastalconference.org/h20_2004/pdf/C-Sessions/F3C/Imus_H2O%20Conference.Session%203C.pdf.)
- Intergovernmental Panel on Climate Change. 2001. *IPCC Third Assessment Report-Climate Change 2001 Web Page*. www.ipcc.ch/. Intergovernmental Panel on Climate Change, World Meteorological Organization and United Nations Environment Programme, Geneva, Switzerland.

- Jackson, T.A. 1986. Methyl mercury levels in a polluted prairie river-lake system: Seasonal and site-specific variations, and the dominant influence of trophic conditions. *Canadian Journal of Fisheries and Aquatic Sciences* 43: 1873-1887.
- Japanese Knotweed Alliance. 2005. Japanese Knotweed Alliance Web Page. www.cabi-bioscience.org/html/japanese_knotweed_alliance.htm. CABI Bioscience UK Centre, Egham, Surrey, United Kingdom; Welsh Development Agency, Plas Glyndŵr, Kingsway, Cardiff, United Kingdom; Environment Agency, Wales Head Office, Cardiff, United Kingdom; National Botanic Garden of Wales, Llanarthne, Carmarthenshire, United Kingdom; and Department of Natural Resources, Cornell University, Ithaca, New York.
- Jensen, S. 1966. Report of a new chemical hazard. *New Scientist* 32: 612.
- Johnson, T. 1998. Buildings in flood plains not worth insuring. August 5, 1998. *The Newark Star Ledger*, Newark, New Jersey. 1 pp. (Available online at www.gsenet.org/library/12Ind/floodins.php.)
- Jones, C.G., R.S. Ostfeld, E.M. Schaubert, M. Richard, and J.O. Wolff. 1998. Chain reactions linking acorns to gypsy moth outbreaks and Lyme disease risk. *Science* 279: 1023-1026.
- Jones, A.L., and P.D. Vickery. 1997. Conserving grassland birds: Managing agricultural lands including hayfields, crop fields, and pastures for grassland birds. Massachusetts Audubon Society, Lincoln, Massachusetts. 28 pp. + appendices. (Available online at www.massaudubon.org/Birds_&_Beyond/grassland/index.php.)
- Jordan, T.E., D.L. Correll, K. Miklas and D.L. Weller. 1991. Long-term trends in estuarine nutrients and chlorophyll, and short-term effects of variation in watershed discharge. *Marine Ecology-Progress Series* 75: 121-132.
- Jordan, W.R., III, M.E. Gilpin, and J.D. Aber. 1987. Restoration ecology: Ecological restoration as a technique for basic research. Pages 1-21 *In* W.R. Jordan III, M.E. Gilpin, and J.D. Aber (eds.). *Restoration ecology: A synthetic approach to ecological research*. Cambridge University Press, New York, New York. 342 pp.
- Junk, J.W., P.B. Bayley, and R.E. Sparks. 1989. The flood pulse concept in river floodplain systems. *Canadian Journal of Fisheries and Aquatic Sciences*, Special Publication 106: 110-127.
- Kamman, N.C., N.M. Burgess, C.T. Driscoll, H.A. Simonin, W. Goodale, J. Linehan, R. Estabrook, M. Hutcheson, A. Major, A.M. Scheuhammer, and D.A. Scruton. 2005. Mercury in freshwater fish of northeast North America—a geographic perspective based on fish tissue monitoring databases. *Ecotoxicology* 14: 163-180.

- Kana, T.W., W.C. Eiser, B.J. Baca, and M.L. Williams. 1988. New Jersey Case Study, Chapter 3. Pages 61-86 *In* J.G. Titus (ed.). Greenhouse effect, sea level rise, and coastal wetlands. U.S. Environmental Protection Agency, Washington, D.C. 186 pp.
- Kane, R. 2001. *Phragmites* Use by Birds in New Jersey Web Page. www.njaudubon.org/Conservation/opinions/05-012.html. New Jersey Audubon Society, Bernardsville, New Jersey.
- _____ and D. Githens. 1997. Hackensack River migratory bird report, with recommendations for conservation. New Jersey Audubon Society, Bernardsville, New Jersey. 37 pp.
- _____, S.M. Kuhnen, and D. Smith. 1991. Birds of the Hackensack Meadowlands. Meadowlands Environment Center, Lyndhurst, New Jersey. 2 pp. (Available online at www.meadowlands.state.nj.us/ec/exhibits/birdlist-legal.pdf.)
- Kearns, C.A., D.W. Inouye, and N. Waser. 1998. Endangered mutualisms: The conservation of plant-pollinator interactions. *Annual Review of Ecology and Systematics* 29: 83-112.
- Keller, A.A., K.R. Hinga, and C.A. Oviatt. 1990. New York-New Jersey Harbor estuary program module 4: Nutrients and organic enrichment. Marine Ecosystems Research Laboratory, Graduate School of Oceanography, University of Rhode Island, Narragansett, Rhode Island.
- Keller, C.M.E., C.S. Robbins, and J.S. Hatfield. 1993. Avian communities in riparian forests of different widths in Maryland and Delaware. *Wetlands* 13: 137-144.
- Kemp, W.M., E.M. Smith, M. Marvin-DiPasquale, and W.R. Boynton. 1997. Organic carbon balance and net ecosystem metabolism in Chesapeake Bay. *Marine Ecology Progress Series* 150: 229-248.
- Kester, M.H.A., S. Bulduk, D. Tibboel, W. Meinl, H. Glatt, C.N. Falany, M.W.H. Coughtrie, A. Bergman, S.H. Safe, G.G.H.M. Kuiper, A.G. Schuur, A. Brouwer, and T.J. Visser. 2000. Potent inhibition of estrogen sulfotransferase by hydroxylated PCB metabolites: A novel pathway explaining the estrogenic activity of PCBs. *Endocrinology* 141: 1897-1900.
- Khan, A.T., and J.S. Weis. 1993. Bioaccumulation of four heavy metals in two populations of mummichog (*Fundulus heteroclitus*). *Bulletin of Environmental Contamination and Toxicology* 51: 1-5.
- Kime, D. E. 1998. *Endocrine Disruption in Fish*. Kluwer Academic Publishers, Boston, Massachusetts. 396 pp.
- Kimmerer, W.J., E. Gartside, and J.J. Orsi. 1994. Predation by an introduced clam as the likely cause of substantial declines in zooplankton of San Francisco Bay. *Marine Ecology Progress Series* 113: 81-93.

- King, J.K., J.E. Kostka, M.E. Frischer, and F.M. Saunders. 2000. Sulfate-reducing bacteria methylate mercury at variable rates in pure culture and in marine sediments. *Applied and Environmental Microbiology* 66: 2430-2437.
- Kiviat, E. 1989. The role of wildlife in estuarine ecosystems. Pages 437-475 *In* J.W. Day, C.A.S. Hall, W.M. Kemp, and A. Yáñez-Arancibia (eds.). *Estuarine Ecology*. John Wiley and Sons, New York, New York. 558 pp.
- _____ and K. MacDonald. 2002. Hackensack Meadowlands, New Jersey biodiversity: A review and synthesis. Hudsonia, Ltd. Annandale, New York. 97 pp.
- _____, K. Moore, and L. Benoit. 2002. *Phragmites* habitat functions for higher vertebrates in North America. Page 12 *In Phragmites australis: A sheep in wolf's clothing?* January 6-9, 2002, New Jersey Marine Sciences Consortium Technical Forum and Workshop, Cumberland County College, Vineland, New Jersey.
- _____ and K. MacDonald. 2004. Biodiversity patterns and conservation in the Hackensack Meadowlands, New Jersey. History, Ecology, and Restoration of a Degraded Urban Wetland. *Urban Habitats* 2: 28-61.
- Klasson-Wehler, E., A. Bergman, M. Athanasiadou, J.P. Ludwig, H.J. Auman, K. Kannan, M. Van den Berg, A.J. Murk, L.A. Feyk, and J.P. Giesy. 1998. Hydroxylated and methylsulfonyl polychlorinated biphenyl metabolites in albatrosses from Midway Atoll, North Pacific Ocean. *Environmental Toxicology and Chemistry* 17: 1620-1625.
- Klem, D., Jr. 1990. Collisions between birds and windows: Mortality and prevention. *Journal of Field Ornithology* 61: 120-128. (Available online at www.birdscreen.com/Klem_AFO_Collisions1990.pdf.)
- Kleppel, G.S., S.A. Madewell, and S.E. Hazzard. 2004. Responses of emergent marsh wetlands in upstate New York to variations in urban typology. *Ecology and Society* 9: 1-18. (Available online at www.ecologyandsociety.org/vol9/iss5/art1/.)
- Knopf, F.L., R.R. Johnson, T. Rich, F.B. Samson, and R.C. Szaro. 1988. Conservation of riparian ecosystems in the United States. *Wilson Bulletin* 100: 272-284.
- Kodavanti, P.R.S., and H.A. Tilson. 1997. Structure-activity relationships of potentially neurotoxic PCB congeners in the rat. *Neurotoxicology* 18: 425-442.
- Kolbe, J.J., and F.J. Janzen. 2002. Impact of nest-site selection on nest success and nest temperature in natural and disturbed habitats. *Ecology* 83: 269-281.
- Kolpin, D.W., E.T. Furlong, M.T. Meyer, E.M. Thurman, S.D. Zaugg, L.B. Barber, and H.T. Buxton. 2002. Pharmaceuticals, hormones, and other organic wastewater contaminants in U.S. streams, 1999-2000: A national reconnaissance. *Environmental Science and Technology* 36: 1202-1211.

- Korach, K.S., P. Sarver, K. Chae, J.S. McLachlan, and J.D. McKinney. 1988. Estrogen receptor-binding activity of polychlorinated hydroxybiphenyls: Conformationally restricted structural probes. *Molecular Pharmacology* 33: 120-126.
- Kozlowski, T.T. 2002. Physiological ecology of natural regeneration of harvested and disturbed forest stands: Implications for forest management. *Forest Ecology and Management* 158: 195-221.
- Kraft, H.C. 1986. *The Lenape-archaeology, history, and ethnography*. New Jersey Historical Society, Newark, New Jersey. 303 pp.
- _____. 2001. *The Lenape-Delaware Indian heritage: 10,000 B.C. to A.D. 2000*. Lenape Lifeways, Inc., Stanhope, New Jersey. 670 pp.
- Kraus, M.L. and A.B. Bragin. 1989. Inventory of fishery resources of the Hackensack River within the jurisdictional boundary of the Hackensack Meadowlands Development Commission from Kearny, Hudson County, to Ridgefield, Bergen County, New Jersey. Hackensack Meadowlands Development Commission, Lyndhurst, New Jersey. 135 pp.
- Kurzava, L.M., and P.J. Morin. 1998. Tests of functional equivalence: Complementary roles of salamanders and fish in community organization. *Ecology* 79: 477-489.
- Kynard, B. 1997. Life history, latitudinal patterns and status of the shortnose sturgeon. *Environmental Biology of Fishes* 48: 319-334.
- Laderman, A.D. 1987. *Atlantic White Cedar Wetlands*. Westview, Boulder, Colorado. 401 pp.
- Lampert, D. 2006. A comparison of capping technologies in the Anacostia River. Seventh Marine and Estuarine Shallow Water Science and Management Conference, Atlantic City, New Jersey.
- Lanciotti, R.S., J.T. Roehrig, V. Deubel, J. Smith, M. Parker, K. Steele, B. Crise, K.E. Volpe, M.B. Crabtree, J.H. Scherret, R.A. Hall, J.S. MacKenzie, C.B. Cropp, B. Panigrahy, E. Ostlund, B. Schmitt, M. Malkinson, C. Banet, J. Weissman, N. Komar, H.M. Savage, W. Stone, T. McNamara, and D.J. Gubler. 1999. Origin of the West Nile virus responsible for an outbreak of encephalitis in the northeast United States. *Science* 286: 2333-2337.
- Lane, J.W., Jr. 2003. Time-lapse geophysics for aquifer characterization and remediation monitoring. *Eos Transactions, American Geophysical Union* 84: No. 46, Fall Meeting Suppl., Abstract H21F-01. (Available online at water.usgs.gov/ogw/bgas/publications/AGU2003-Lane/.)
- Langan Engineering and Environmental Services, Inc. 1999. Sediment and water sampling report, Kearny Marsh, Kearny, New Jersey. Prepared for Resources Warehousing and

- Consolidated Services, Secaucus, New Jersey. Langan Engineering and Environmental Services, Elmwood Park, New Jersey. 22 pp. + maps.
- Langer, C.S., W.F. Fitzgerald, P.T. Visscher, and G.M. Vandal. 2001. Biogeochemical cycling of methylmercury at Barn Island Salt Marsh, Stonington, CT, USA. *Wetlands Ecology and Management* 9: 295-310.
- Lans, M.C., E. Klasson-Wehler, M. Willemsen, E. Meussen, S. Safe, and A. Brouwer. 1993. Structure-dependent competitive interaction of hydroxyl-polychlorobiphenyls, -dibenzo-*p*-dioxins and -dibenzofurans with human transthyretin. *Chemico-Biological Interactions* 88: 7-21.
- LaSalle, M.W., M.C. Landin, and J.G. Sims. 1991. Evaluation of the flora and fauna of a *Spartina alterniflora* marsh established on dredge material in Winyah Bay, South Carolina. *Wetlands* 11: 191-208.
- Lau, S.S.S., and L.M. Chu. 1999. Contaminant release from sediments in a coastal wetland. *Water Research* 33: 909-918.
- Laub, R.S., J. Tomenchuk, and P.L. Storck. 1996. A dated Mastodon bone artifact from the late Pleistocene of New York. *Archaeology of Eastern North America* 24: 1-17.
- Launen, L.A., M.E. Eastep, V.H. Buggs, R.C. Enriquez, J.W. Leonard, M.J. Blaylock, J. W. Huang, and M.M. Häggblom. 2002. Bioremediation of PAH-contaminated sediments in aerated bioslurry reactors. *Bioremediation Journal* 6: 125-141.
- Lavoie, D.M., L.D. Smith, and G.M. Ruiz. 1999. The potential for intracoastal transfer of nonindigenous species in the ballast water of ships. *Estuarine, Coastal, and Shelf Science* 48: 551-654.
- Leavitt, J. 1998. The functions of riparian buffers in urban watersheds. Master's Thesis. The Water Center, University of Washington, Seattle, Washington. 38 pp. (Available online at depts.washington.edu/cwws/Theses/leavitt.html.)
- Lee, S.Z., H.E. Allen, C.P. Huang, D.L. Sparks, P.F. Sanders, and W.J.G.M. Peijnenburg. 1996. Predicting soil-water partition coefficients for cadmium. *Environmental Science and Technology* 12: 3418-3424.
- Leff, L.G., J.L. Burch, and J.V. McArthur. 1990. Spatial distribution, seston removal, and potential competitive interactions of the bivalves *Corbicula fluminea* and *Elliptio complanata*, in a coastal plain stream. *Freshwater Biology* 24: 409-416.
- Lehtinen, R.M., S.M. Galatowitsch, and J.R. Tester. 1999. Consequences of habitat loss and fragmentation for wetland amphibian assemblages. *Wetlands* 19(1): 1-12.

- Leonard, L.A., P.A. Wren, and R.L. Beavers. 2002. Flow dynamics and sedimentation in *Spartina alterniflora* and *Phragmites australis* marshes of the Chesapeake Bay. *Wetlands* 22: 415-424.
- Lepczyk, C.A., A.G. Mertig, and J. Liu. 2003. Landowners and cat predation across rural-to-urban landscapes. *Biological Conservation* 115: 191-201.
- Levey, D.J., B.M. Bolker, J.J. Tewksbury, S. Sargent, and N.M. Haddad. 2005. Effects of landscape corridors on seed dispersal by birds. *Science* 309: 146-148.
- Lima S.L., and P.A. Zollner. 1996. Towards a behavioral ecology of ecological landscapes. *Trends in Ecology and Evolution* 11: 131-135.
- Limburg, K.E. and R.E. Schmidt. 1990. Patterns of fish spawning in the Hudson River watershed: Biological response to an urban gradient? *Ecology* 71: 1238-1245.
- Lin, J. and A.Y. Kuo. 2003. Modeling the secondary turbidity maximum in the York River Estuary, Virginia. *Estuaries* 26: 1269-1280.
- Lipsky, D., R.J. Reed, and R. Harkov. 1980. Mercury levels in Berry's Creek. Office of Cancer and Toxic Substances Research. New Jersey Department of Environmental Protection, Trenton, New Jersey. 76 pp.
- Litten, S. 2003. Contaminant Assessment and Reduction Project (CARP): Water. New York State Department of Environmental Conservation, Division of Water, Bureau of Water Assessment and Management, Albany, New York. 158 pp.
- _____, B. Fowler, and D. Luszniak. 2002. Identification of a novel PCB source through analysis of 209 PCB congeners by US EPA modified method 1668. *Chemosphere* 46: 1457-1459.
- _____, D.J. McChesney, M.C. Hamilton, and B. Fowler. 2003. Destruction of the World Trade Center and PCBs, PBDEs, PCDD/Fs, PBDD/Fs, and chlorinated biphenyls in water, sediment, and sewage sludge. *Environmental Science and Technology* 37: 5502-5510.
- Long, E.R., D.D. MacDonald, S.L. Smith, and F.D. Calder. 1995. Incidence of adverse biological effects within ranges of chemical concentrations in marine and estuarine sediments. *Environmental Management* 19: 81-97.
- Lord, J.M., and D.A. Norton. 1990. Scale and the spatial concept of fragmentation. *Conservation Biology* 4: 197-202.
- Louis Berger and Associates, Inc. 1999. Executed banking instrument for the purposes of establishing the Meadowlands Mitigation Bank. Prepared for the Meadowlands Interagency Mitigation Advisory Committee, U.S. Army Corps of Engineers, New York

- District, New York, New York. Prepared by the Louis Berger Group, Inc., East Orange, New Jersey. 20 pp. + appendices.
- Louis Berger Group, Inc. 2000. Marsh Resources Meadowlands Mitigation Bank, first year monitoring report. Prepared for the Meadowlands Interagency Mitigation Advisory Committee, U.S. Army Corps of Engineers, New York, New York. Prepared by the Louis Berger Group, Inc., East Orange, New Jersey. 20 pp. + appendices.
- _____. 2002a. Section 404 Permit 96-11660 Enforcement Case No. 2002-007 Proposal for Remedial Measures. Prepared for the U.S. Army Corps of Engineers, New York District, New York, New York. Prepared by the Louis Berger Group, Inc., East Orange, New Jersey. 7 sections + appendices.
- _____. 2002b. Banking instrument-modification No. 1. Meadowlands Mitigation Bank. Prepared for the Mitigation Banking Review Team, U.S. Army Corps of Engineers, New York District, New York, New York. Prepared by the Louis Berger Group, Inc., East Orange, New Jersey. 20 pp. + appendices.
- _____. 2004a. Regional guidebook for hydrogeomorphic assessment of tidal fringe wetlands in the Hackensack Meadowlands. Prepared for the New Jersey Meadowlands Commission, Lyndhurst, New Jersey, and the U.S. Environmental Protection Agency, Region II, New York, New York. Prepared by the Louis Berger Group, Inc., East Orange, New Jersey. 72 pp. + 4 appendices.
- _____. 2004b. Marsh Resources Meadowlands Mitigation Bank, Phase 1, fifth year monitoring report. Prepared for the U.S. Army Corps of Engineers, New York District, New York, New York. Prepared by the Louis Berger Group, Inc., East Orange, New Jersey. 14 pp.
- _____. 2006. Application for Water Quality Certificate. Prepared for the Port Authority of New York and Jersey, Newark, New Jersey. Prepared by the Louis Berger Group, Inc., Florham Park, New Jersey. 25 pp. + appendices.
- Love, O.P., L.J. Shutt, J.S. Silfies, G.R. Bortolotti, J.E.G. Smits, and D.M. Bird. 2003. Effects of dietary PCB exposure on adrenocortical function of captive American kestrels (*Falco sparverius*). *Ecotoxicology* 12: 199-208.
- Lowe, S., M. Browne, S. Boudjelas, and M. De Poorter. 2000. 100 of the world's worst invasive alien species: A selection from the global invasive species database. Invasive Species Specialist Group, Species Survival Commission, World Conservation Union, Auckland, New Zealand. 12 pp.
- Lowrance, R.R. 1992. Groundwater nitrate and denitrification in a coastal plain riparian forest. *Journal of Environmental Quality* 21: 401-405.
- Luck, M.A., G.D. Gennerete, J. Wu, and N. Grimm. 2001. The urban funnel model and spatially heterogeneous ecological footprint. *Ecosystems* 4: 782-796.

- Ludwig, D.F. 1988. Mercury contamination in the Hackensack River basin: The information basis for environmental risk assessment. New Jersey Department of Environmental Protection, Trenton, New Jersey. 7 pp.
- Lynch, J.A., E.S. Corbett, and K. Musallem. 1985. Best management practices for controlling nonpoint-source pollution on forested watersheds. *Journal of Soil and Water Conservation* 40: 164-167.
- MacCleery, D. 2004. The Role of American Indians in Shaping the North American Landscape Web Page. www.lib.duke.edu/forest/Research/usfscoll/people/Native%20Americans/AmIndian.html. The Forest History Society, Durham, North Carolina.
- MacWhirter, R.B., and K.L. Bildstein. 1996. Northern harrier (*Circus cyaneus*). Pages 1-29 In (A. Poole and F. Gill, eds.). *The birds of North America*, No. 210. The Academy of Natural Sciences, Philadelphia, Pennsylvania; and The American Ornithologists' Union, Washington, D.C.
- Mahler, B.J., P.C. Van Metre, T.J. Bashara, J.T. Wilson, and D.A. Johns. 2005. Parking lot sealcoat: An unrecognized source of urban PAHs. *Environmental Science and Technology* 39: 5560-5566.
- Male, T. 2003. Potential impact of West Nile Virus on American avifaunas. *Conservation Biology* 17: 928-930.
- Mallin, M.A., M.H. Posey, G.C. Shank, M.R. McIver, S.H. Ensign, and T.D. Alphin. 1999. Hurricane effects on water quality and benthos in the Cape Fear watershed: Natural and anthropogenic impacts. *Ecological Applications* 9: 350-362.
- Marks, M., B. Lapin, and J. Randall. 1994. *Phragmites australis* (*P. communis*): Threats, management and monitoring. *Natural Areas Journal* 14: 285-294.
- Marsh, D.M., and P.C. Trenham. 2001. Metapopulation dynamics and amphibian conservation. *Conservation Biology* 15: 40-49.
- Marshall, S. 2004. The Meadowlands before the Commission: Three centuries of human use and alteration of the Newark and Hackensack Meadows. *History, Ecology, and Restoration of a Degraded Urban Wetland*. *Urban Habitats* 2: 4-27.
- Martin, C.O. 2002. Riparian habitat management for mammals on Corps of Engineers projects. ERDC TN-EMRRP-SI-29. U.S. Army Corps of Engineers, Engineer Research and Development Center, Environmental Laboratory, Vicksburg, Mississippi. 17 pp. + appendices. (Available online at el.erd.usace.army.mil/elpubs/pdf/si29.pdf.)
- Martin, P.S. and H.E. Wright, Jr. 1967. Pleistocene extinctions: The search for a cause. Yale University Press, New Haven, Connecticut. 440 pp.

- Marvier, M., P. Kareiva, and M.G. Neubert. 2004. Habitat destruction, fragmentation, and disturbance promote invasion by habitat generalists in a multispecies metapopulation. *Risk Analysis* 24: 869-878.
- Maryland Department of Natural Resources. 2005. Gizzard Shad-*Dorosoma cepedianum* Web Page. www.dnr.state.md.us/fisheries/education/giz_shad/giz_shad.shtml. Maryland Department of Natural Resources, Fisheries Service, Annapolis, Maryland.
- Masuda, Y. 1994. The Yusho rice oil poisoning incident. Pages 633-659 *In* A. Schecter (ed.). *Dioxins and Health*. Plenum Press, New York, New York. 736 pp.
- Matthiessen, P. 2003. Endocrine disruption in marine fish. *Pure and Applied Chemistry* 75: 2249-2261.
- Mattson, C., G. Potera, and M.E. Saks. 1971. Water quality in a disordered ecosystem: A report on the water quality monitoring study performed in the Hackensack Meadowlands between June and September 1971. Hackensack Meadowlands Development Commission, Lyndhurst, New Jersey. 58 pp.
- McDermott, J.J. 1991. A breeding population of the Western Pacific crab *Hemigrapsus sanguineus* (Crustacea: Decapoda: Grapsidae) established on the Atlantic coast of North America. *Biological Bulletin* 181: 195-198.
- McGuire, R.J. 1999. Review of the persistence of nonylphenol and nonylphenol ethoxylates in aquatic environments. *Water Quality Research Journal of Canada* 34: 37-78.
- McKenzie Bay International, Ltd. 2005. McKenzie Bay Solutions for Electric Energy Web Page. web.mckenziebay.com/about.htm. McKenzie Bay International, Ltd., Delaware.
- McLean, M.R., R.C. Gupta, and L.W. Robertson. 1992. Polychlorinated biphenyls form adducts with guanine and/or adenine. 13th Annual Meeting, Society of Environmental Toxicology and Chemistry. Cincinnati, Ohio.
- McMahon, R.F. 1983. Ecology of an invasive pest bivalve, *Corbicula*. Pages 505-561 *In* W.D. Russell-Hunter (ed.). *The mollusca, Volume 6, ecology*. Academic Press, New York, New York. 695 pp.
- McMahon, G., and T.F. Cuffney. 2000. Quantifying urban intensity in drainage basins for assessing stream ecological conditions. *Journal of the American Water Resources Association* 36: 1247-1261.
- McShea, W.J., and J.H. Rappole. 2000. Managing the abundance and diversity of breeding bird populations through manipulation of deer populations. *Conservation Biology* 14: 1161-1170.
- Meador J.P., J.E. Stein, W.L. Reichert, and U. Varanasi. 1995. Bioaccumulation of polycyclic aromatic hydrocarbons by marine organisms. *Reviews of Environmental Contamination*

- and Toxicology 143:79-165.
- Meadowlands Regional Development Agency. 1961. Develop the meadows. Meadowlands Regional Development Agency, Lyndhurst, New Jersey. 15 pp.
- Meadows, R.E. and K. Saltonstall. 2004. A tale of two *Phragmites* in the estuaries of the Mid-Atlantic region. October 14-16, 2004. Atlantic Estuarine Research Society, Meadowlands Environmental Research Institute, Lyndhurst, New Jersey.
- Meffe, G.K. and C.R. Carroll. 1997. Principles of conservation biology, 2nd Edition. Sinauer Associates, Inc., Sunderland, Massachusetts. 673 pp.
- Mehrhoff, L.J., J.A. Silander, Jr., S.A. Leicht, E.S. Mosher and N.M. Tabak. 2003. IPANE: Invasive Plant Atlas of New England Web Page. www.ipane.org. University of Connecticut, Department of Ecology and Evolutionary Biology, Storrs, Connecticut.
- Meier, M.F., and J.M. Wahr. 2002. Sea level is rising: Do we know why? Proceedings of the National Academy of Sciences 99: 6524-6526.
- Meyerson, L.A., K.A. Vogt, and R.M. Chambers. 1999. The effects of *Phragmites* removal on nutrient pools in a freshwater tidal marsh ecosystem. Biological Invasions 1: 129-136.
- _____, K. Saltonstall, L. Windham, E. Kiviat, and S. Findlay. 2000. A comparison of *Phragmites australis* in freshwater and brackish marsh environments in North America. Wetlands Ecology and Management 8: 89-103.
- Middleton, B.A. 2002. Flood Pulsing in Wetlands: Restoring the Natural Hydrologic Balance. John Wiley and Sons, New York, New York. 308 pp.
- Millward, R.N., K.R. Carman, J.W. Fleeger, R.P. Gambrell, R.T. Powell, and M.M. Rouse. 2001. Linking ecological impact to metal concentrations and speciation: A microcosm experiment using a salt marsh meiofaunal community. Environmental Toxicology and Chemistry 20: 2029-2037.
- Minckley, W.L., and G.K. Meffe. 1987. Differential selection by flooding in stream fish communities of the arid American southwest. Pages 93-104 In W.J. Matthews and D.C. Heins (eds.). Community and Evolutionary Ecology of North American Stream Fishes. University of Oklahoma Press, Norman, Oklahoma. 310 pp.
- Mitsch, W.J. and J.G. Gosselink. 1993. Wetlands, 2nd Edition. Van Nostrand Reinhold, New York, New York. 722 pp.
- Monosson, E., J.T.F. Ashley, A.E. McElroy, D. Woltering, and A.A. Elskus. 2003. PCB congener distributions in muscle, liver and gonad of *Fundulus heteroclitus* from the lower Hudson River Estuary and Newark Bay. Chemosphere 52: 777-787.
- Morris, S., C.R. Allchin, B.N. Zegers, J.J.H. Haftka, J.P. Boon, C. Belpaire, P.G. Leonards,

- S.P.J. van Leeuwen, and J. de Boer. 2004. Distribution and fate of HBCD and TBBPA brominated flame retardants in North Sea estuaries and aquatic food webs. *Environmental Science and Technology* 38: 5497-5504.
- Morrison, J.A. 2002. Wetland vegetation before and after experimental purple loosestrife removal. *Wetlands* 22: 159-169.
- Mulamoottil, G., E.A. McBean, and F. Rovers. 1999. *Constructed wetlands for the treatment of landfill leachates*. Lewis Publishers, Boca Raton, Florida. 281 pp.
- Munk, W. 2002. Twentieth century sea level: An enigma. *Proceedings of the National Academy of Sciences* 99: 6550-6555.
- Murphy, M.T. 2001. Habitat-specific demography of a long-distance, neotropical migrant bird, the eastern kingbird. *Ecology* 82: 1304-1318.
- Myers, N., and A.H. Knoll. 2000. The biotic crisis and the future of evolution. *Proceedings of the National Academy of Sciences* 98: 5389-5392.
- Naiman, R., and H. Descamps. 1997. The ecology of interfaces: Riparian zones. *Annual Review of Ecology and Systematics* 28: 621-658.
- _____, H. Decamps, and M. Pollock. 1993. The role of riparian corridors in maintaining regional biodiversity. *Ecological Applications* 3: 209-212.
- Najararian Associates. 1990. Impact analysis of sewage treatment plant discharges on the water quality of the lower Hackensack River. Report for the Bergen County Utilities Authority, Little Ferry, New Jersey. Najararian Associates, Eatontown, New Jersey.
- Nathan, R.M., G. Perry, J.T. Cronin, A.E. Strand and M.L. Cain. 2003. Methods for estimating long-distance dispersal. *Oikos* 103: 261-273.
- National Invasive Species Council. 2001. *The National Invasive Species Management Plan. Meeting the invasive species challenge: Management plan*. National Invasive Species Council; U.S. Department of the Interior, U.S. Department of Agriculture, National Oceanic and Atmospheric Administration, U.S. Department of State, U.S. Department of Defense, U.S. Customs Service, U.S. Department of the Treasury, U.S. Department of Transportation, and U.S. Environmental Protection Agency, Washington, D.C. 89 pp.
- National Marine Fisheries Service. 1998. *Recovery Plan for the Shortnose Sturgeon (Acipenser brevirostrum)*. Prepared by the Shortnose Sturgeon Recovery Team for the U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Silver Spring, Maryland. 104 pp.
- _____. 2004a. *Shortnose Sturgeon (Acipenser brevirostrum) Web Page*. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Office of Protected Species, Silver Spring, Maryland.

- _____. 2004b. Guide To Essential Fish Habitat Descriptions Web Page. www.nero.noaa.gov/hcd/list.htm. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Northeast Regional Office, Gloucester, Massachusetts.
- National Mitigation Action Plan. 2004. Federal Guidance on the Use of Vegetated Buffers as Compensatory Mitigation Under Section 404 of the Clean Water Act Web Page. August 27, 2004 Draft. www.mitigationactionplan.gov/Buffer_8-27-04.htm. U.S. Environmental Protection Agency, U.S. Army Corps of Engineers, Department of Agriculture, Department of Commerce, Department of the Interior, and Department of Transportation. Washington, D.C.
- National Ocean Service. 2002. Sea Levels Online Web Page. co-ops.nos.noaa.gov/sltrends/sltrends.shtml. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational Oceanographic Products and Services, Silver Spring, Maryland.
- National Oceanic and Atmospheric Administration. 1991a. Second summary of data on chemical concentrations in sediments from the National Status and Trends Program. NOAA Technical Memorandum NOS OMA 52. National Oceanic and Atmospheric Administration, National Ocean Service, Rockville, Maryland. 29 pp.
- _____. 1991b. The potential for biological effects of sediment-sorbed contaminants tested in the National Status and Trends Program. NOAA Technical Memorandum NOS OMA 52. National Oceanic and Atmospheric Administration, National Ocean Service, Seattle, Washington. 175 pp.
- _____. 2004a. Office of Protected Resources Web Page. www.nmfs.noaa.gov/pr/. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Office of Protected Resources, Silver Spring, Maryland.
- _____. 2004b. Office of Habitat Conservation Web Page. www.nmfs.noaa.gov/habitat/. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Office of Habitat Conservation, Silver Spring, Maryland.
- _____. 2004c. Coastal Ecosystem Restoration Planning: The Planning Process Web Page. www.csc.noaa.gov/coastal/planning/planning.htm. NOAA Coastal Services Center, National Oceanic and Atmospheric Administration, Charleston, South Carolina.
- _____. 2005a. Restoration Center Programs Web Page. www.nmfs.noaa.gov/habitat/restoration/projects_programs/programs.html. Restoration Center, Office of Habitat Conservation, NOAA Fisheries, National Oceanic and Atmospheric Administration. Silver Spring, Maryland.

- _____. 2005b. Montrose Settlements Restoration Program Web Page. www.darp.noaa.gov/southwest/montrose/. Damage Assessment and Restoration Program, Southwest Region, National Oceanic and Atmospheric Administration, Long Beach, California.
- _____. 2005c. Community-based Restoration Program Web Page. www.nmfs.noaa.gov/habitat/restoration/projects_programs/crp/index.html. Restoration Center, Office of Habitat Conservation, NOAA Fisheries, National Oceanic and Atmospheric Administration, Silver Spring, Maryland.
- National Park Service. 2003. Tree-of-heaven Web Page. www.nps.gov/plants/alien/fact/aial1.htm. U.S. Department of the Interior, National Park Service, Plant Conservation Alliance, Alien Plant Working Group, Washington, D.C.
- _____. 2005. Japanese Knotweed Web Page. www.nps.gov/plants/alien/fact/pocu1.htm. U.S. Department of the Interior, National Park Service, Plant Conservation Alliance, Alien Plant Working Group, Washington, D.C.
- _____, and Indiana University. 2005. National Center on Accessibility: Outdoor Developed Areas Web Page. www.ncaonline.org/outdoor-dev/index.shtml. Indiana University, School of Health, Physical Education and Recreation and the Department of Recreation and Park Administration, Blomington, Indiana.
- National Research Council. 1995. Wetlands: Characteristics and boundaries. National Academy Press, Washington, D.C. 328 pp.
- _____. 1997. Arsenic: Medical and biological effects of environmental pollutants. Committee on Medical and Biological Effects of Environmental Pollutants, National Research Council. National Academy Press, Washington, D.C. 340 pp.
- _____. 1999. Restoration of aquatic systems: Science, technology, and public policy. National Research Council. National Academy Press, Washington, D.C. 552 pp.
- _____. 2000. Clean coastal waters: Understanding and reducing the effects of nutrient pollution. Causes and Management of Coastal Eutrophication Ocean Studies Board and Water Science Technology Board, Commission on Geosciences, Environment, and Resources. National Academy Press, Washington, D.C. 377 pp.
- _____. 2001. Compensating for wetland losses under the Clean Water Act. Committee on Mitigating Wetland Losses, Board on Environmental Studies and Toxicology, Water Science and Technology Board, Division on Earth and Life Studies, National Research Council, National Academy of Sciences. National Academy Press, Washington, D.C. 322 pp. (Available online at www.nap.edu/books/0309074320/html/.)
- Natural Resources Conservation Service. 2004. Hydric Soils in New Jersey Web Page. www.nj.nrcs.usda.gov/technical/soils/hydric.html. U.S. Department of Agriculture, Natural Resource Conservation Service, New Jersey State Office, Somerset, New Jersey.

- NatureServe. 2004. Comprehensive report: *Acipenser brevirostrum*-LeSueur, 1818 Web Page. www.natureserve.org/explorer/servlet/NatureServe?searchName=Acipenser+brevirostrum. NatureServe, Arlington, Virginia.
- Neckles, H.A., M. Dionne, D.M. Burdick, C.T. Roman, R. Buchsbaum, and E. Hutchins. 2002. A monitoring protocol to assess tidal restoration of salt marshes on local and regional scales. *Restoration Ecology* 10: 556-563.
- Nedwell, D.B., T.D. Jickells, M. Trimmer, and R. Sanders. 1999. Nutrients in estuaries. *Advances in Ecological Research* 29: 43-92.
- Neuman, M.J., G. Ruess, and K.W. Able. 2004. Species composition and food habits of dominant fish predators in salt marshes of an urbanized estuary, the Hackensack Meadowlands, New Jersey. *Urban Habitats* 2(1): 62-82.
- New Jersey Department of Environmental Protection. 1996. Water for the 21st Century: The Vital Resource. New Jersey Statewide Water Supply Plan. New Jersey Department of Environmental Protection, Office of Environmental Planning, Trenton, New Jersey. 173 pp. (Available online at www.nj.gov/dep/watershedmgt/DOCS/SWSPlan/SWSP.pdf.)
- _____. 1998. Guidance For Sediment Quality Evaluations Web Page. www.state.nj.us/dep/srp/regs/sediment/. New Jersey Department of Environmental Protection, Site Remediation Program, Trenton, New Jersey.
- _____. 2000. Mercury in the environment. New Jersey Department of Environmental Protection, Division of Science, Research, and Technology, Trenton, New Jersey. (Available online at www.state.nj.us/dep/dsr/mercury-env-2000.htm.)
- _____. 2002a. Integrated water quality monitoring and assessment report [305(b) and 303(d)]. A report on the water quality in New Jersey pursuant to The New Jersey Water Quality Planning Act, and Sections 305(b) and 303(d) of the Federal Clean Water Act. New Jersey Department of Environmental Protection, Water Assessment Team, Trenton, New Jersey. 259 pp. + Appendices.
- _____. 2002b. Mercury task force report. New Jersey Department of Environmental Protection, Division of Science, Research, and Technology, Trenton, New Jersey. (Available online at www.state.nj.us/dep/dsr/mercury_task_force.htm.)
- _____. 2003. New Jersey Bog Turtle Project Web Page. www.state.nj.us/dep/fgw/bogturt.htm. New Jersey Department of Environmental Protection, Division of Fish and Wildlife, Endangered and Nongame Species Program, Trenton, New Jersey.
- _____. 2004a. New Jersey's Endangered and Threatened Wildlife Web Page. www.state.nj.us/dep/fgw/tandespp.htm. New Jersey Department of Environmental Protection, Division of Fish and Wildlife, Endangered and Nongame Species Program, Trenton, New Jersey.

- _____. 2004b. i-Map NJ Geology Web Page. www.state.nj.us/dep/gis/imapnj_geolsplash.htm#. New Jersey Department of Environmental Protection, New Jersey Geological Survey, Trenton, New Jersey.
- _____. 2004c. NJDEP Land Use Land Cover Update 1986 to 1995, Patterns of Change: Level I Data Analysis, 1986-1995/97 Web Page. www.state.nj.us/dep/gis/webstats.htm#wma5. New Jersey Department of Environmental Protection, Bureau of Geographic Information Systems, Trenton, New Jersey.
- _____. 2004d. Wildlife Species of Special Concern in New Jersey Web Page. www.state.nj.us/dep/fgw/spclsp.htm. New Jersey Department of Environmental Protection, Division of Fish and Wildlife, Endangered and Nongame Species Program, Trenton, New Jersey.
- _____. 2004e. Invasive Nonindigenous Plant Species, Policy Directive 2004-02. New Jersey Department of Environmental Protection, Office of the Commissioner, Trenton, New Jersey. (Available online at www.nj.gov/dep/commissioner/policy/index.html.)
- _____. 2004f. Amphibians of New Jersey Web Page. www.state.nj.us/dep/fgw/chkamph.htm. New Jersey Department of Environmental Protection, Division of Fish and Wildlife, Endangered and Nongame Species Program, Trenton, New Jersey.
- _____. 2004g. Herp Atlas Project Web Page. www.njfishandwildlife.com/ensp/herpatl.htm. New Jersey Department of Environmental Protection, Division of Fish and Wildlife, Endangered and Nongame Species Program, Trenton, New Jersey.
- _____. 2005a. Allegheny Woodrat Web Page. www.state.nj.us/dep/fgw/ensp/pdf/end-thrtened/woodrat.pdf. New Jersey Department of Environmental Protection, Division of Fish and Wildlife, Endangered and Nongame Species Program, Trenton, New Jersey.
- _____. 2005b. Land Use Regulation Program Web Page. www.state.nj.us/dep/landuse/njsa_njac.html. New Jersey Department of Environmental Protection, Land Use Regulation Program, Trenton, New Jersey.
- _____. 2006. Surface Water Quality Standards N.J.A.C. 7:9B. New Jersey Department of Environmental Protection, Trenton, New Jersey. 114 pp. (Available online at www.state.nj.us/dep/wmm/sgwqt/200610swqs.pdf.)
- New Jersey Department of Health and Senior Services. 1998. A Woman's Guide To Eating Fish and Seafood Web Page. www.state.nj.us/health/eoh/foodweb/fishguid.htm. New Jersey Department of Health and Senior Services, Food and Drug Safety, Trenton, New Jersey.
- New Jersey Division of Fish and Wildlife and the U.S. Fish and Wildlife Service. 2002. A vision plan. Page 27 *In* C. Day (ed.). The Hackensack Meadowlands issue, Field notes:

An activity report of field operations. U.S. Department of the Interior, Fish and Wildlife Service, Pleasantville, New Jersey, 29 pp.

- New Jersey Meadowlands Commission. 2004a. Solid Waste Web Page: Timeline of Landfill Actions by the Commission Solid Waste Division. www.meadowlands.state.nj.us/natural_resources/solid_waste/timeline.cfm. New Jersey Meadowlands Commission, Lyndhurst, New Jersey.
- _____. 2004b. Capping Experiment at the Kearny Marsh Web Page. meri.njmeadowlands.gov/projects/kearny.html. New Jersey Meadowlands Commission, Lyndhurst, New Jersey.
- _____. 2004c. NJMC to Create district-wide conservation plan to cement ecological progress in District. July 14, 2004. Press Release. New Jersey Meadowlands Commission, Lyndhurst, New Jersey. (Available online at [www.meadowlands.state.nj.us/press_advisories/July_2004/7.14.04_districtwide_conservation_plan.cfm/7.14.04%20NJMC%20to%20create%20districtwide%20conservation%20plan%20ecological%20progress.pdf?&CFID=73164&CFTOKEN=80927123&jsessionid=7230eda7991f\\$28p\\$84\\$](http://www.meadowlands.state.nj.us/press_advisories/July_2004/7.14.04_districtwide_conservation_plan.cfm/7.14.04%20NJMC%20to%20create%20districtwide%20conservation%20plan%20ecological%20progress.pdf?&CFID=73164&CFTOKEN=80927123&jsessionid=7230eda7991f$28p$84$).)
- _____. 2004d. NJMC master plan. New Jersey Meadowlands Commission, Lyndhurst, New Jersey. 12 sections + appendices.
- _____. 2004e. New Jersey Meadowlands Natural Resources Web Page: Anderson Creek Marsh. www.meadowlands.state.nj.us/natural_resources/wetlands/anderson_creek_marsh.cfm. New Jersey Meadowlands Commission, Lyndhurst, New Jersey.
- _____. NJMC Chairman Susan Bass Levin announces flood management task force. October 27, 2004. Press release. New Jersey Meadowlands Commission, Lyndhurst, New Jersey. (Available online at www.meadowlands.state.nj.us/press_advisories/October_2004/Flood_Task_Force.cfm.)
- _____. 2004g. NJMC grants \$75,000 to Moonachie to tackle flooding. September 22, 2004. Press Release. New Jersey Meadowlands Commission, Lyndhurst, New Jersey. (Available online at [www.meadowlands.state.nj.us/press_advisories/September_2004/9.22.04_75,000_to_Moonachie.cfm/9.22.04%20MoonachieFloodControl_Release_CL.pdf?&CFID=73164&CFTOKEN=80927123&jsessionid=7230351711a7\\$AA\\$B8J\\$](http://www.meadowlands.state.nj.us/press_advisories/September_2004/9.22.04_75,000_to_Moonachie.cfm/9.22.04%20MoonachieFloodControl_Release_CL.pdf?&CFID=73164&CFTOKEN=80927123&jsessionid=7230351711a7AAB8J$).)
- _____. 2004h. August 4, 2004 letter from Dr. Ross Feltes to the New Jersey Field Office regarding the presence of vernal pools along a proposed hiking trail in Teterboro Woods. New Jersey Meadowlands Commission, Lyndhurst, New Jersey.
- _____. 2005a. Meadowlands Golf Course Redevelopment Area Web Page. www.meadowlands.state.nj.us/land_use/Planning_and_Redevelopment/Redevelopment/redevelopment_projects/meadowlands_golf_project.cfm. New Jersey Meadowlands Commission, Lyndhurst, New Jersey.

- _____. 2005b. Strategic flood management package approved. October 25, 2005. Press Release. New Jersey Meadowlands Commission, Meadowlands Environmental Research Institute, Lyndhurst, New Jersey. (Available online at [www.meadowlands.state.nj.us/press_advisories/October_2005/10.26.05_Flooding.cfm/10.26.05%20StrategicFloodPackage_release_CL.pdf?&CFID=73164&CFTOKEN=80927123&jsessionid=7230987db409\\$8A7\\$A3\\$](http://www.meadowlands.state.nj.us/press_advisories/October_2005/10.26.05_Flooding.cfm/10.26.05%20StrategicFloodPackage_release_CL.pdf?&CFID=73164&CFTOKEN=80927123&jsessionid=7230987db409$8A7$A3$).)
- _____. 2005c. Digital Meadowlands: Seasonal Water Monitoring Web Page. cimic.rutgers.edu/examples/scientific/seasonalwater.html. New Jersey Meadowlands Commission, Meadowlands Environmental Research Institute, Lyndhurst, New Jersey.
- New Jersey State Climatologist. 2005. Monthly Precipitation in Northern New Jersey From 1895-2005 Web Page. climate.rutgers.edu/stateclim_v1/data/north_njhistprecip.html. New Jersey State Climatologist, Rutgers University, Piscataway, New Jersey.
- New Jersey Transportation Planning Authority. 2002. Access and mobility 2025, regional transportation plan: The 2025 regional transportation plan for northern New Jersey. New Jersey Transportation Planning Authority, Inc. Newark, New Jersey. (Available online at www.njtpa.org/planning/RTP2002/rtp2002.htm.)
- New Jersey Turnpike Authority. 1986. Technical Report, Volumes II: Biological Resources. Interchange 8a to Interchange 9 and Interchange 11 to U.S. Route 46. New Jersey Turnpike Authority, New Brunswick, New Jersey. Prepared by Louis Berger and Associates, Inc., East Orange, New Jersey.
- New York State Department of Environmental Conservation. 2003. Allegheny Woodrat fact sheet Web Page. www.dec.state.ny.us/website/dfwmr/wildlife/endspec/alwofws.html. New York State Department of Environmental Conservation, Endangered Species Unit, Albany, New York.
- Niimi, A.J. 1996. PCBs in aquatic organisms. Pages 117-152 *In* W.N. Beyer, G.H. Heinz, and A.W. Redmon-Norwood (eds.). *Environmental contaminants in wildlife: Interpreting tissue concentrations*. CRC Press, Boca Raton, Florida. 512 pp.
- Niles, L.J., M. Valent, P. Winkler and P. Woerner. 2004. New Jersey's landscape project, Version 2.0. New Jersey Department of Environmental Protection, Division of Fish and Wildlife, Endangered and Nongame Species Program, Trenton, New Jersey. 58 pp. (Available online at www.njfishandwildlife.com/ensp/landscape/lp_report.pdf.)
- Nixon, S.W. 1981. Remineralization and nutrient recycling in coastal marine ecosystems. Pages 111-138 *In* B.J. Neilson and L.E. Cronin (eds.). *Estuaries and nutrients*. Humana Press, Clifton, New Jersey. 658 pp.
- _____. 1995. Coastal marine eutrophication: A definition, social causes, and future concerns. *Ophelia* 41: 199-219.

- Noss, R.F. 1987. From plant communities to landscapes in conservation inventories: A look at The Nature Conservancy (USA). *Biological Conservation* 41: 11-37.
- _____, M.A. O'Connell and D.D. Murphy. 1997. *The science of conservation planning: Habitat conservation under the Endangered Species Act*. Island Press, Washington, D.C. 263 pp.
- Oakley, G.G., L.W. Robertson, and R.C. Gupta. 1996. Analysis of polychlorinated biphenyl-DNA adducts by super(32)P-postlabeling. *Carcinogenesis* 17: 109-114.
- Ohlendorf, H.M. 2003. Ecotoxicology of selenium. Pages 465-500 *In* D.J. Hoffman, B.A. Rattner, G.A. Burton, Jr., and J. Cairns, Jr. (eds.). *Handbook of ecotoxicology*, 2nd Edition. Lewis Publishers, New York, New York. 1290 pp.
- Orson, R.A. 1999. A paleoecological assessment of *Phragmites australis* in New England tidal marshes: Changes in plant community structure during the last few millenia. *Biological Invasions* 1: 149-158.
- _____, R.S. Warren, and W.A. Niering. 1987. Development of a tidal marsh in a New England river valley. *Estuaries* 10: 20-27.
- Osgood, D.T., D.J. Bart, and F. Montalto. 2002. *Phragmites* invasion and expansion in tidal wetlands: Interactions among salinity, sulfide, and hydrology. Page 12 *In Phragmites australis: A sheep in wolf's clothing*. New Jersey Marine Sciences Consortium Technical Forum and Workshop Program, January 6-9, 2002, Cumberland County Community College, Vineland, New Jersey.
- Otto, D.M.E., C.K. Sen, N. Hidirolou, R. Madere, and T.W. Moon. 1997. Role of exogenous glutathione in teleost fish and its effects on antioxidant defense responses in rainbow trout exposed to 3,3',4,4'-tetrachlorobiphenyl. *Fish Physiology and Biochemistry* 16: 449-457.
- Ovaska, K., L. Sopuck, C. Engelstoft, L. Matthias, E. Wind, and J. MacGarvie. 2004. Best management practices for amphibians and reptiles in urban and rural environments in British Columbia. Prepared for British Columbia Ministry of Water, Land and Air Protection, Ecosystem Standards and Planning, Biodiversity Branch, Nanaimo, British Columbia. Prepared by Biolinx Environmental Research Ltd., Sidney, British Columbia and Wind Consulting, Nanaimo, British Columbia. 151 pp. + Appendix.
- Paerl, H.W., L.M. Valdes, J.L. Pinckney, M.F. Piehler, J. Dyble, and P.H. Moisaner. 2003. Phytoplankton photopigments as indicators of estuarine and coastal eutrophication. *BioScience* 53: 953-964.
- Page, C.G. 1997. Predicting the social impacts of restoration in an urban park. Pages 76-101 *In* D.G. Casagrande (ed.). *Restoration of an urban salt marsh: An interdisciplinary approach*. Bulletin 100. Yale School of Forestry and Environmental Studies, Yale University, New Haven, Connecticut. 270 pp.

- Pallone, R.S., and A.H. Todd. 1997. Chesapeake Bay riparian handbook: A guide for establishing and maintaining riparian forest buffers. NA-TP-02-97. U.S. Department of Agriculture, Forest Service, Radnor, Pennsylvania. 481 pp.
- Panero, M., S. Boehme, and G. Muñoz. 2005. Pollution prevention and management strategies for polychlorinated biphenyls in the New York/New Jersey Harbor. New York Academy of Sciences, New York, New York. 109 pp.
- Parris, D.C. 1983. New and revised records of Pleistocene mammals of New Jersey. The Mosasaur 1: 1-21.
- Patrick, K.J., and R. Wilson. 2002. The Lincoln Highway Resource Guide. Prepared for the National Register of Historic Places, National Park Service, Washington, D.C. 273 pp. (Available online at www.iup.edu/geography/Faculty/LHPDF/ResourceGuide/RG_TOC.shtm.)
- Pattee, O.H. and D.J. Pain. 2003. Lead in the environment. Pages 373-408 *In* D.J. Hoffman, B.A. Rattner, G.A. Burton, Jr., and J. Cairns, Jr. (eds.) Handbook of ecotoxicology, 2nd Edition. Lewis Publishers, New York, New York. 1290 pp.
- Patten, M.A., and D.T. Bolger. 2003. Variation in top-down control of avian reproductive success across a fragmentation gradient. *Oikos* 101: 479-488.
- Paul, M.J., and J.L. Meyer. 2001. Streams in the urban landscape. *Annual Review of Ecology and Systematics* 32: 333-365.
- Paulus, Sokolowski, and Sartor, Inc. 2000. Water budget and water quality improvement function analysis for the Empire Tract located in the Borough of Carlstadt and Township of South Hackensack, Bergen County, New Jersey. Prepared for the U.S. Army Corps of Engineers, New York District, New York, New York. Paulus, Sokolowski, and Sartor, Inc., Warren, New Jersey. 47 pp.
- Payton, I.J., M. Fenner, and W.G. Lee. 2002. Keystone species: The concept and its relevance for conservation management in New Zealand. Science for Conservation Paper 203, New Zealand Department of Conservation, Wellington, New Zealand.
- Peacor, D.R. and P.J. Dunn. 1982. Petersite, a REE and phosphate analog of mixite. *American Mineralogist* 67: 1039-1042.
- Pecchioli, J.A., G. Buchanan, and R. Miskewitz. 2003. Mercury in the Hackensack River: Initial findings of the New Jersey Toxics Reduction Workplan for NY-NJ Harbor. Abstracts of the Meadowlands Symposium. October 9-10, New Jersey Meadowlands Commission Environment Center, Lyndhurst, New Jersey. 50 pp.
- Peck, S. 1998. Planning for biodiversity: Issues and examples. Island Press, Washington, D.C. 221 pp.

- Peek, L.J., and J.F. Stahl. 1997. Deer management techniques employed by the Columbus and Franklin County Park District, Ohio. *Wildlife Society Bulletin* 25: 440-442.
- Pennsylvania Game Commission. 2005. Threatened Species- Allegheny Woodrat Web Page. www.pgc.state.pa.us/pgc/cwp/view.asp?a=486&q=152547. Pennsylvania Game Commission, Harrisburg, Pennsylvania.
- Pennuto, C.M., O.P. Lane, D.C. Evers, R.J. Taylor and J. Loukmas. 2005. Mercury in the Northern crayfish, *Orconectes virilis* (Hagen), in New England, USA. *Ecotoxicology* 14: 149-162.
- Pereg, D., L.W. Robertson, and R.C. Gupta. 2002. DNA adduction by polychlorinated biphenyls: Adducts derived from hepatic microsomal activation and from synthetic metabolites. *Chemico-Biological Interactions* 139: 129-44.
- Pereira, W.E., F.D. Hostettler, and T.L. Wade. 1999. Butyltin contamination in sediments and lipid tissues of the asian clam, *Potamocorbula amurensis*, near Mare Island Naval shipyard, San Francisco Bay. Pages 41-49 *In* D.W. Morganwalp, and H.T. Buxton (eds.). U.S. Geological Survey Water- Resources Investigations Report 99-4018B, Volume 2, Proceedings of the Technical Meeting, Charleston, S. Carolina. March 8-12, 1999. U.S. Department of the Interior, Geological Survey, Toxic Substances Hydrology Program, Reston, Virginia.
- Perreault, H., K. Semsar, and J. Godwin. 2003. Fluoxetine treatment decreases territorial aggression in a coral reef fish. *Physiology and Behavior* 79: 719-724.
- Peterson, C.E. and R.N. Lipcius. 2003. Conceptual progress towards predicting quantitative ecosystem benefits of ecological restorations. *Marine Ecology Progress Series* 264: 297-307.
- Peterson, R.E., H.M. Theobald, and G.L. Kimmel. 1993. Developmental and reproductive toxicity of dioxins and related compounds cross-species comparisons. *Critical Review of Toxicology* 23: 283-335.
- Pew Oceans Commission. 2004. America's living oceans: Charting a course for sea change. www.pewoceans.org/oceans/downloads/oceans_report.pdf. Pew Oceans Commission, Arlington, Virginia. 166 pp.
- Pickett, S.T.A., W.R. Burch, Jr., S.E. Dalton, T.W. Foresman, J.M. Grove, and R. Rowntree. 1997. A conceptual framework for the study of human ecosystems in urban areas. *Urban Ecosystems* 1: 185-199.
- Pimentel, D. 2004. The ecological and economic costs of invasion. Pages 23-24 in C. Day (ed.). *Invasion! In your Back Yard?* Field Notes, New Jersey Field Office, Spring 2004. U.S. Department of the Interior, Fish and Wildlife Service, New Jersey Field Office,

Pleasantville, New Jersey. (Available online at njfieldoffice.fws.gov/FieldNotes%20WEB%20PDF/2004_Spring_PDF/23&24_Pimental_fullpage.pdf.)

- Pimm, S. 1997. The value of everything. *Nature* 387: 231.
- Pitt, R. 2003. Receiving water impacts associated with urban wet weather flows. Pages 575-614 *In* D.J. Hoffman, B.A. Rattner, G.A. Burton, Jr., and J. Cairns, Jr. (eds.). *Handbook of ecotoxicology*, 2nd Edition. Lewis Publishers, New York, New York. 1290 pp.
- Poff, N.L., and D.D. Hart. 2002. How dams vary and why it matters for the emerging science of dam removal. *BioScience* 52: 659-668.
- Pohjanuvirula, R., and J. Tumost. 1994. Short-term toxicity of 2,3,7,8-tetrachlorodibenzo-p-dioxin in laboratory animals: Effects, mechanisms, and animal models. *Pharmacological Reviews* 46: 483-549.
- Popular Science Monthly. 1928. A magic city from a swamp. *Popular Science Monthly*, October 1928. LXXXVII (10): 49.
- Powell-Coffman, J., C.A. Bradfield, and W.B. Wood. 1998. *Caenorhabditis elegans* orthologs of the aryl hydrocarbon receptor and its heterodimerization partner the aryl hydrocarbon receptor nuclear translocator. *Proceedings of the National Academy of Sciences, U.S.A.* 95: 2844-2849.
- Primack, R.B. 2002. *Essentials of conservation biology*, 3rd Edition. Sinauer Associates, Sunderland, Massachusetts. 698 pp.
- Prince R., and K.R. Cooper. 1995a. Comparisons of the effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin on chemically impacted and nonimpacted subpopulations of *Fundulus heteroclitus*. I. TCDD toxicity. *Environmental Toxicology and Chemistry* 14: 579-588.
- _____. 1995b. Comparisons of the effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin on chemically impacted and nonimpacted subpopulations of *Fundulus heteroclitus*. II. Metabolic considerations. *Environmental Toxicology and Chemistry* 14: 589-596.
- Pringle, C.M. 2000. Threats to U.S. public lands from cumulative hydrologic alterations from outside of their boundaries. *Ecological Applications* 10: 971-989.
- Prior, K.A., and P.J. Weatherhead. 1996. Habitat features of black rat snake hibernacula in Ontario. *Journal of Herpetology* 30: 211-218.
- Project for Public Spaces, Inc. 2005. What Makes a Great Playground? Web Page. www.pps.org/topics/play/Play_Places. Project for Public Spaces, Inc., New York, New York.

- Pulliam, H.R. 1988. Sources, sinks, and population regulation. *American Naturalist* 132: 652-661.
- _____. 1996. Sources and sinks: Empirical evidence and population consequences. Pages 45-69 *In* O.E. Rhodes, Jr., R.K. Chesser, and M.H. Smith (eds.). *Population dynamics in ecological space and time*. The University of Chicago Press, Chicago, Illinois. 396 pp.
- _____, and B.J. Danielson. 1991. Sources, sinks, and habitat selection: A landscape perspective on population dynamics. *American Naturalist* 137: 50-66.
- Quinn, J.R. 1997. *Fields of sun and grass: An artist's journal of the New Jersey Meadowlands*. Rutgers University Press, New Brunswick, New Jersey. 342 pp.
- Raichel, D.L., K.W. Able, and J.M. Hartman. 2003. The influence of *Phragmites* (common reed) on the distribution, abundance, and potential prey of a resident marsh fish in the Hackensack Meadowlands, New Jersey. *Estuaries* 26: 511-521.
- Raimondo, S.M., C.L. Rowe, and J.D. Congdon. 1998. Exposure to coal ash impacts swimming performance and predator avoidance in larval bullfrogs (*Rana catesbeiana*). *Journal of Herpetology* 32: 298-292.
- Ralston, R.M. 2000. Veterinary medical examination report #00-000577. U.S. Department of the Interior, Fish and Wildlife Service, National Fish and Wildlife Forensics Laboratory, Ashland, Oregon. 3 pp.
- Rappole, J.H., S.R. Derrickson, and Z. Hubalek. 2000. Migratory birds and spread of West Nile virus in the western hemisphere. *Emerging Infectious Diseases* 6: 319-328.
- Ray, G.L. 2005. Invasive animal species in marine and estuarine environments: Biology and ecology. Aquatic Nuisance Species Research Program, ERDC/EL TR-05-2. U.S. Army Research and Development Center, Vicksburg, Mississippi. U.S. Army Corps of Engineers, Washington, D.C. 57 pp.
- Remaud, G. 2004. Priority habitat and open space acquisition in the New Jersey portion of the NY/NJ Harbor Estuary. NY/NJ Baykeeper, Highlands, New Jersey. 8 sections + appendices.
- Rethage, F. 2004. Riser Ditch Web Page. www.teterboro-online.com/boro/riser/index.shtml. Teterboro Online, The Iron Horse Advertising and Marketing Company Inc., Hasbrouck Heights, New Jersey.
- Ricciardi, A., and J.B. Rasmussen. 1999. Extinction rates of North American freshwater fauna. *Conservation Biology* 13: 1220-1222.
- Rice, C.P., P.O'Keefe, and T. Kubiak. 2003. Sources, pathways, and effects of PCBs, dioxins, and dibenzofurans. Pages 501-574 *In* D.J. Hoffman, B.A. Rattner, G.A. Burton, Jr., and

- J. Cairns, Jr. (eds.). Handbook of ecotoxicology, 2nd Edition. Lewis Publishers, New York, New York. 1290 pp.
- Rice, D., J. Rooth, and J.C. Stevenson. 2000. Colonization and expansion of *Phragmites australis* in upper Chesapeake Bay tidal marshes. *Wetlands* 20: 280-299.
- Rich, T.D., C.J. Beardmore, H. Berlanga, P.J. Blancher, M.S.W. Bradstreet, G.S. Butcher, D.W. Demarest, E.H. Dunn, W.C. Hunter, E.E. Iñigo-Elias, J.A. Kennedy, A.M. Martell, A.O. Panjabi, D.N. Pashley, K.V. Rosenberg, C.M. Rustay, J.S. Wendt, and T.C. Will. 2004. Partners in Flight North American landbird conservation plan. Cornell Lab of Ornithology. Ithaca, New York. 68 pp. + appendices.
- Roane, T.M., and S.T. Kellogg. 1996. Characterization of bacterial communities in heavy metal contaminated soils. *Canadian Journal of Microbiology* 42: 593-603.
- Robertson, T.L., and J.S. Weis. 2005. A comparison of epifaunal communities associated with the stems of salt marsh grasses *Phragmites australis* and *Spartina alterniflora*. *Wetlands* 21: 1-7.
- Robichaud, B., and M.F. Buell. 1973. Vegetation of New Jersey: A study of landscape diversity. Rutgers University Press, New Brunswick, New Jersey. 340 pp.
- Rodriguez-Navarro, A.B., K.F. Gaines, C.S. Romanek, and G.R. Masson. 2002. Mineralization of clapper rail eggshell from a contaminated salt marsh system. *Archives of Environmental Contamination and Toxicology* 43: 449-460.
- Roman, C., W.A. Niering, and R.S. Warren. 1984. Salt marsh vegetation change in response to tidal restriction. *Environmental Management* 8: 141-150.
- Roman, C.T., K.B. Raposa, S.C. Adamowitz, M.J. James-Pirri, and J.G. Catena. 2002. Quantifying vegetation and nekton response to tidal restoration of a New England salt marsh. *Restoration Ecology* 10: 450-460.
- Rooney, T.P., and D.M. Waller. 2003. Direct and indirect effects of white-tailed deer in forest ecosystems. *Forest Ecology and Management* 181: 165-176.
- Roosenburg, W.M., and A.R. Place. 1994. Nest predation and hatchling sex ratio in the diamondback terrapin: Implications for management and conservation. Chesapeake Research Consortium, Publication Number 149. pp. 65-70.
- Rooth, J., J.C. Stevenson, and J.C. Cornwell. 2003. The influence of 5- and 20-yr old *Phragmites* populations on rates of accretion in an oligohaline tidal marsh of Chesapeake Bay. *Estuaries* 26: 475-483.

- RoperASW. 2004. Outdoor recreation in America 2003: Recreation's benefits to society challenged by trends. Prepared for The Recreation Roundtable, Washington, D.C. Roper ASW, New York, New York. 22 pp. + appendices.
- Rosen, P.C. 1991. Comparative ecology and life history of the racer (*Coluber constrictor*) in Michigan. *Copeia* 1991: 897-909.
- Rosenberg, D.K., B.R. Noon, and E.C. Meslow. 1998. Biological corridors: Form, function, and efficacy. *BioScience* 47: 677-687.
- Rouse, J.D., C.A. Bishop, and J. Struger. 1999. Nitrogen pollution: An assessment of its threat to amphibian survival. *Environmental Health Perspectives* 107: 799-803.
- Rowe, C.L., O.M. Kinney, A.P. Fiori, and J.D. Congdon. 1996. Oral deformities in tadpoles (*Rana catesbeiana*) associated with coal ash deposition: Effects on grazing ability and growth. *Freshwater Biology* 36: 723-730.
- _____, W.A. Hopkins, and V.R. Coffman. 2001. Failed recruitment of southern toads (*Bufo terrestris*) in a trace element-contaminated breeding habitat: Direct and indirect effects that may lead to a local population sink. *Archives of Environmental Contamination and Toxicology* 40: 399-405.
- Rubbo, M.J., and J.M. Kiesecker. 2005. Amphibian breeding distribution in an urbanized landscape. *Conservation Biology* 19: 504-511.
- Rudd, H., J. Vala, and V. Schaefer. 2002. Importance of backyard habitat in a comprehensive biodiversity conservation strategy: A connectivity analysis of urban green space. *Restoration Ecology* 10: 368-375.
- Ruiz, G.M., T.K. Rawlings, F.C. Dobbs, L.A. Drake, T. Mullady, A. Huq, and R.R. Colwell. 2000. Global spread of microorganisms by ships. *Nature* 408: 49-50.
- Rushneck, D.R., A. Beliveau, B. Fowler, C. Hamilton, D. Hoover, K. Kaye, M. Berg, T. Smith, W.A. Telliard, H. Roman, E. Ruder, and L. Ryan. 2004. Concentrations of dioxin-like PCB congeners in unweathered Aroclors by HRGC/HRMS using EPA Method 1668A. *Chemosphere* 54: 79-87.
- Rutgers Environmental Research Clinic. 2005. Kearny Marsh Restoration Project Preliminary Report, November 23, 2005. Rutgers University, New Jersey Agricultural Experiment Station, Rutgers Environmental Research Clinic, New Brunswick, New Jersey. 35 pp. (Available online at www.erc.rutgers.edu/kearnymarsh/publications.html.)
- Ryther, J.H. and W.M. Dunstan. 1971. Nitrogen, phosphorus, and eutrophication in the coastal marine environment. *Science* 17: 1008-1013.

- Saltonstall, K. 2002. Cryptic invasion by a non-native genotype of *Phragmites australis* into North America. *Proceedings of the National Academy of Sciences, USA* 99(4): 2445-2449.
- _____. 2003a. Recent research on *Phragmites australis* in North America: Implications for management. Pages 12-15 *In* K. Wakefield and A. Faulds (eds.). *Proceedings of the Aquatic Invaders of the Delaware Estuary Symposium*. May 20, 2003. Pennsylvania State University, Malvern, Pennsylvania. (Available online at sgnis.org/publicat/proceed/aide/salt2003.htm.)
- _____. 2003b. Microsatellite variation within and among North American lineages of *Phragmites australis*. *Molecular Ecology* 12: 1689-1702. (Available online at www.botany.wisc.edu/courses/botany_940/papers/Saltonstall2003.pdf.)
- _____. 2004. Beauty vs. the beast? Growth of native and introduced *Phragmites* in a common garden experiment. October 14-16, 2004. Atlantic Estuarine Research Society, Meadowlands Environmental Research Institute, Lyndhurst, New Jersey.
- _____. and the IAN Group. 2003. *Phragmites*: Native or introduced? November 2003 Newsletter. University of Maryland, Center for Environmental Science, Integration and Application Network, Cambridge, Maryland. 4 pp. (Available online at ian.umces.edu/pdfs/iannewsletter7.pdf.)
- Samson, J.C. and A.D. Deshpande. 2003. Comparison of condition of young-of-the-year bluefish from two different New Jersey estuaries. Abstracts of the Meadowlands Symposium. October 9-10, New Jersey Meadowlands Commission Environment Center, Lyndhurst, New Jersey. 50 pp.
- Sanders, J.G., S.J. Cibik, C.F. D'Elia, and W.R. Boynton. 1987. Nutrient-enrichment studies in a coastal plain estuary: Changes in phytoplankton species composition. *Canadian Journal of Fisheries and Aquatic Sciences* 44: 83-90.
- Schaefer, J., T. Cardona-Merek, K. Ellickson, J. Yagi, T. Barkay, and J. Reinfelder. 2003. Mercury contamination in Berry's Creek and the downstream ecosystem. The Meadowlands Symposium, October 9-10, 2003, New Jersey Meadowlands Commission, Lyndhurst, New Jersey.
- Schauber, E.M., R.S. Ostfeld, and C.G. Jones. 2004. Type 3 functional response of mice to gypsy moth pupae: Is it stabilizing? *Oikos* 107: 592-602.
- Schilderman, P.A., E.J. Moonen, L.M. Maas, I. Welle, and J.C. Kleinjans. 1999. Use of crayfish in biomonitoring studies of environmental pollution of the River Meuse. *Ecotoxicology and Environmental Safety* 44: 241-252.
- Schlarbaum, S.E., F. Hebard, P.C. Spaine, and J.C. Kamalay. 2002. Three American Tragedies: Chestnut Blight, Butternut Canker, and Dutch Elm Disease Web Page. www.invasive.org/symposium/schlarba.html. U.S. Department of Agriculture, Forest

Service, Animal and Plant Health Inspection Service, and Plant Protection and Quarantine Program, Athens, Georgia; and University of Georgia, Warnell School of Forest Resources, and College of Agricultural and Environmental Sciences, Department of Entomology, Athens, Georgia.

- Schlauch, F.C. 1976. City snakes, suburban salamanders. *Natural History* 85: 46-53.
- Schmid, J.A. 1987. Atlantic white-cedar in the Hackensack Meadowlands: Its historic extirpation and future re-establishment. Pages 317-322 *In* A.D. Laderman (ed.). *Atlantic White Cedar Wetlands*, Westview Press, Boulder, Colorado. 401 pp.
- Schmidt, K.A., and R.S. Ostfeld. 2003. Songbird populations in fluctuating environments: Predator responses to pulsed resources. *Ecology* 84: 406-415.
- Schueler, T. 1994. The importance of imperviousness. *Watershed Protection Techniques* 1: 100-111.
- Schulte-Oehlmann, U., M. Tillman, B. Markert, J. Oehlmann, B. Watermann, and S. Scherf. 2000. Effects of endocrine disruptors on Prosobranch snails (Mollusca: Gastropoda) in the laboratory. Part II. Triphenyltin as a xeno-androgen. *Ecotoxicology* 9: 399-412.
- Schwarzbach, S.E., J. Henderson and J.D. Albertson. 1996. Assessing risk from methyl mercury in tidal marsh sediments to reproduction of California clapper rails (*Rallus longirostris obsoletus*) using the threshold diet and egg / sediment ratio approaches. Poster for Society of Environmental Toxicology and Chemistry, November 1996, Washington, D.C.
- Scudder, T., M. Mayer, and R. Chianese. 2002. Philip Alampi Beneficial Insect Laboratory activity report in natural areas for the year 2002. Purple loosestrife and hemlock wooly adelgid beneficial insect release programs. New Jersey Department of Agriculture, Division of Plant Industry, Philip Alampi Beneficial Insect Laboratory, Ewing, New Jersey. 7 pp.
- Seaber, P.R., F.P. Kapinos, and G. L. Knapp. 1987. Hydrologic unit maps. Geological Survey Water-Supply Paper 2294. U.S. Department of the Interior, Geological Survey, Denver, Colorado. 63 pp.
- Seiger, L.A. 1997. The status of *Fallopia japonica* (*Reynoutria japonica*; *Polygonum cuspidatum*) in North America. Pages 95-102 *In* Brock, J. H., M. Wade, P. Pysek, and D. Green (eds.). *Plant Invasions: Studies from North America and Europe*. Backhuys Publishers, Leiden, Netherlands. 223 pp.
- Seitzinger, S.P., R.W. Sanders, and R. Styles. 2002. Bioavailability of DON from natural and anthropogenic sources to estuarine plankton. *Limnology and Oceanography* 47: 353-366.

- Servos, M.R. 1999. Review of the aquatic toxicity, estrogenic responses and bioaccumulation of alkylphenols and alkylphenol polyethoxylates. *Water Quality Research Journal of Canada* 34: 123-177.
- Shaw, R.H., and L.A. Seiger. 2002. Japanese knotweed fact sheet. Pages 159-166 *In* R. Van Driesche, B. Blossey, M. Hoddle, S. Lyon, and R. Reardon (eds.). *Biological control of invasive plants in the eastern United States*, U.S. Department of Agriculture, Forest Service Publication FHTET-2002-04, Morgantown, West Virginia. 413 p.
- Shepherd, M., S.L. Buchmann, M. Vaughan, and S.H. Black. 2003. *Pollinator conservation handbook*. Xerces Society, Portland, Oregon. 110 pp. + appendices.
- Shine, R., E.G. Barrott, and M.J. Elphick. 2002. Some like it hot: Effects of forest clearing on nest temperatures of montane reptiles. *Ecology* 83: 2808-2815.
- Shire, G.G., K. Brown, and G. Winegrad. 2000. Communication towers: A deadly hazard to birds. American Bird Conservancy, Washington, D.C. 23 pp. (Available online at www.abcbirds.org/policy/towerkillweb.PDF.)
- Siegel, A., C.A. Hatfield, and J.M. Hartman. 2003. Avian response to marsh restoration in the Meadowlands: The value of having pre and post restoration data. Meadowlands Symposium, October 9-10, 2003, New Jersey Meadowlands Commission, Lyndhurst, New Jersey. (Abstract available at cimic.rutgers.edu/meri/symposium/abstract/fortythree.htm.)
- Silliman, B.R. and M.D. Bertness. 2003. Shoreline development drives invasion of *Phragmites australis* and the loss of plant diversity on New England salt marshes. *Conservation Biology* 18: 1424-1434.
- Simberloff, D. 1996. Consequences- the nature and implications of environmental change. Volume 2, No. 2. Impacts of introduced species in the United States. U.S. Global Change Research Information office, Washington, D.C. (Available online at www.gcric.org/CONSEQUENCES/vol2no2/article2.html.)
- Simberloff, D.S., J.A. Farr, J. Cox, and D.W. Mehlman. 1992. Movement corridors: Conservation bargains or poor investments. *Conservation Biology* 6: 493-504.
- Sinjari, T., E. Klasson-Wehler, L. Hovander, and P.O. Darnerud. 1998. Hydroxylated polychlorinated biphenyls: Distribution in the pregnant mouse. *Xenobiotica* 28: 31-40.
- Supple, W.S. 1972. The past and present flora and vegetation of the Hackensack Meadowlands. *Bartonia* 41: 4-56.
- Skelly, J. 2002. Review of the Year 2001 Web Page. www.kmua.org/HISTORY2.1.HTM. Kearny Municipal Utilities Authority, Kearny, New Jersey.
- Skinner, L.C., R. Prince, J. Waldman, A.J. Newell, and J. Shastay, Jr. 1997. Chemical residues

- in fish, bivalves, crustaceans, and a cephalopod from the New York-New Jersey Harbor Estuary: Dioxins and furans. New York State Department of Environmental Conservation, Albany, New York.
- Smart, R.M. and J.W. Barko. 1980. Nitrogen nutrition and salinity tolerance of *Distichlis spicata* and *Spartina alterniflora*. *Ecology* 61: 630-638.
- Smith, E. 1897. The fishes of the fresh and the brackish waters in the vicinity of New York City. *Proceedings of the Linnaean Society of New York* 9: 9-51.
- Smith, G., and J.S. Weis. 1997. Predator/prey interactions in *Fundulus heteroclitus*: Effects of living in a polluted environment. *Journal of Experimental Marine Biology and Ecology* 209: 75-87.
- Smith, L., K. Clark, and L. Niles. 2003. New Jersey bald eagle management project. New Jersey Department of Environmental Protection, Endangered and Nongame Species Program, Trenton, New Jersey. 18 pp. (Available online at www.state.nj.us/dep/fgw/ensp/pdf/eglprt03.)
- Smithsonian Environmental Research Center and the U.S. Coast Guard. 2005. National Ballast Information Clearinghouse Web Page. invasions.si.edu/nbic/index.html. Smithsonian Environmental Research Center, Marine Invasions Research Center, Edgewater, Maryland and the U.S. Coast Guard, Environmental Standards Division, Office of Operating and Environmental Standards, Washington, D.C.
- Smits, J.E., K.J. Fernie, G.R. Bortolotti, and T.A. Marchant. 2002. Thyroid hormone suppression and cell-mediated immunomodulation in American kestrels (*Falco sparverius*) exposed to PCBs. *Archives of Environmental Contamination and Toxicology* 43: 338-344.
- Snyder, D. and S.R. Kaufman. 2004. An overview of nonindigenous plant species in New Jersey. New Jersey Department of Environmental Protection, Division of Parks and Forestry, Office of Natural Lands Management, Natural Heritage Program, Trenton, New Jersey. 107 pp.
- Sobczak, W.V., J.E. Cloern, A.D. Jassby, and A.B. Müller-Solger. 2002. Bioavailability of organic matter in a highly disturbed estuary: The role of detrital and algal resources. *Proceedings of the National Academy of Sciences* 99: 8101-8105.
- Soons, M.B., R. Nathan, and G.G. Katul. 2004. Human effects on long-distance wind dispersal and colonization by grassland plants. *Ecology* 85: 3069-3079.
- Sorensen, R.M., R.N. Weisman, and G.P. Lennon. 1984. Control of erosion, inundation, and salinity intrusion caused by sea-level rise. Pages 179-214 *In* M.C. Barth and J.C. Titus (eds.). *Greenhouse Effect and sea level rise: A challenge for this generation*. Van Nostrand Reinhold Co., Inc., New York, New York. 325 pp.

- Soulé, M.E. 1991. Land use planning and wildlife maintenance: Guidelines for conserving wildlife in an urban landscape. *Journal of the American Planning Association* 57: 312-323.
- Speiss, A.E., D. Wilson, and J. Bradley. 1998. Paleo-Indian occupation in the New England maritime region: Beyond cultural ecology. *Archaeology of Eastern North America* 26: 201-264.
- Spellerberg, I.F. 2002. Ecological effects of roads. *Land Reconstruction and Management Series, Volume 2*. Science Publishers, Inc., Enfield, New Hampshire. 251 pp.
- Spendiff, K. 2004. The complexity and perplexity of invasive plants. *Field Notes*, Spring 2004. U.S. Department of the Interior, Fish and Wildlife Service, New Jersey Field Office, Pleasantville, New Jersey. pp. 25-26. (Available online at njfieldoffice.fws.gov/FieldNotes%20WEB%20PDF/2004_Spring_html/Index_2004.htm.)
- Spitsbergen, J.M., M.K. Walker, J.R. Olson, and R.E. Peterson. 1991. Pathologic alterations in early life stages of lake trout (*Salvelinus namaycush*) exposed to 2,3,7,8-tetrachlorodibenzo-p-dioxin as fertilized eggs. *Aquatic Toxicology* 19: 41-72.
- Squibb, K.S, J.M. O'Connor, and T.J. Kneip. 1991. New York/New Jersey Harbor Estuary Program Module 3.1: Toxics characterization. Institute of Environmental Medicine, New York University Medical Center, Tuxedo, New York.
- Steimle, F.W., and J. Caracciolo-Ward. 1989. A reassessment of the status of the benthic macrofauna of the Raritan Estuary. *Estuaries* 12: 145-156.
- Steinberg, N., D.J. Suskowski, L. Clark, and J. Way. 2004. Health of the harbor: The first comprehensive look at the state of the NY/NJ Harbor estuary. (Hudson River Foundation for Science and Environmental Research, New York, New York.), U.S. Environmental Protection Agency, Office of Water, NY/NJ Harbor Estuary Program, New York, New York. 82 pp.
- Stewart, R.M. 1998. Ceramics and Delaware Valley prehistory: Insights from the Abbott farm. Trenton Complex Archaeology Report 14, Archaeological Society of New Jersey, Trenton, New Jersey. 309 pp.
- Streiner, C.F., and J. Loomis. 1996. Estimating the benefits of urban stream restoration using the hedonic price method. *Rivers* 5: 267-278
- Sullivan, R. 1998. *The Meadowlands-Wilderness Adventures on the Edge of a City*. Doubleday Press, New York. 220 pp.
- Swanson, D.A. 1996. Nesting ecology and nesting habitat requirements of Ohio's grassland nesting birds: A literature review. Ohio Department of Natural Resources, Division of Wildlife, Ohio Fish and Wildlife Report 13. Northern Prairie Wildlife Research Center,

- Jamestown, North Dakota. (Version 16JUL97 available online at www.npwrc.usgs.gov/resource/birds/ohionest/ohionest.htm).
- Talley, T.S., and L.A. Levin. 2001. Modification of sediments and macrofauna by an invasive marsh plant. *Biological Invasions* 3: 51-68.
- TAMS Consultants, Inc. 1985. Anderson Marsh Wetlands Management Study. Prepared for Hackensack Meadowlands Development Commission Island Residential South Tract Project, Hartz Mountain Industries, Secaucus, New Jersey. TAMS Consultants, Inc., Bloomfield, New Jersey.
- _____. 1998. Avian survey report: Existing conditions, environmental consequences, and mitigation activities, Empire Tract, Hackensack Meadowlands, New Jersey. Prepared for Empire, Ltd. TAMS Consultants, Inc., Bloomfield, New Jersey. 63 pp. + appendices.
- _____. 2001. Secaucus High School wetland mitigation site: Baseline studies. Hackensack Meadowlands, New Jersey. Prepared for the New Jersey Meadowlands Commission. TAMS Consultants, Inc., Bloomfield, New Jersey. 22 pp. + appendices.
- Taylor, P.D., L. Fahrig, K. Henein, and G. Merriam. 1993. Connectivity is a vital element of landscape structure. *Oikos* 68: 571-573.
- Teal, J.M. 1962. Energy flow in a salt marsh ecosystem of Georgia. *Ecology* 43: 614-624.
- Teh, S.J., S.M. Adams, and D.E. Hinton. 1997. Histopathologic biomarkers in feral freshwater fish populations exposed to different types of contaminant stress. *Aquatic Toxicology* 37: 51-70.
- Temeles, E.J. 1989. Effect of prey consumption on foraging activity of northern harriers. *The Auk* 106: 353-357.
- Tetra Tech, Inc. and Andrew Stoddard and Associates. 2000. Progress in water quality: An evaluation of the national investment in municipal wastewater treatment. Prepared for the U.S. Environmental Protection Agency, Office of Wastewater Management, Washington, D.C. Tetra Tech, Inc., Fairfax, Virginia; and Andrew Stoddard and Associates, Hamilton, Virginia. 452 pp.
- Tewksbury, L., R. Casagrande, B. Blossey, P. Häfliger, and M. Schwarzländer. 2002. Potential for biological control of *Phragmites australis* in North America. *Biological Control* 23: 191-212.
- Thieler, E.R., and E.S. Hammar-Klose. 1999. National Assessment of Coastal Vulnerability to Sea-Level Rise: Preliminary Results for the U.S. Atlantic Coast Web Page. pubs.usgs.gov/of/of99-593/index.html. U.S. Geological Survey Open-File Report 99-593, U.S. Department of the Interior, Geological Survey, Coastal and Marine Geology Program, Woods Hole Field Center, Woods Hole, Massachusetts.

- Thompson, D.Q., R.L. Stuckey, and E.B. Thompson. 1987. Spread, impact, and control of purple loosestrife (*Lythrum salicaria*) in North American wetlands. U.S. Department of the Interior, Fish and Wildlife Service, Northern Prairie Wildlife Research Center, Jamestown, North Dakota. 55 pp. (Version 04JUN99 available online at www.npwrc.usgs.gov/resource/1999/loosstrf/loosstrf.htm.)
- Tiner, R.W. 2003. Dichotomous keys and mapping codes for wetland landscape position, landform, water flow path, and waterbody type descriptors. U.S. Department of the Interior, Fish and Wildlife Service, National Wetlands Inventory Program, Northeast Region, Hadley, Massachusetts. 42 pp.
- _____. 2004. Remotely-sensed indicators for monitoring the general condition of “natural habitat” in watersheds: An application for Delaware’s Nanticoke River watershed. *Ecological Indicators* 4: 227-243.
- _____. 2005. Assessing cumulative loss of wetland functions in the Nanticoke River watershed using enhanced National Wetlands Inventory data. *Wetlands* 25: 405-419.
- _____, J.Q. Swords, and B.J. McClain. 2002. Wetland status and trends for the Hackensack Meadowlands. Assessment Report, National Wetlands Inventory Program, U.S. Fish and Wildlife Service, Hadley, Massachusetts. 29 pp.
- _____, and H.C. Bergquist. 2005. The Hackensack River watershed, New Jersey/New York: Wetland characterization, preliminary assessment of wetland functions, and remotely-sensed assessment of natural habitat integrity. U.S. Fish and Wildlife Service, National Wetlands Inventory, Ecological Services, Region 5, Hadley, Massachusetts. 43 pp. + appendices.
- _____, J.Q. Swords, and H.C. Bergquist. 2005. The Hackensack Meadowlands District: Wetland inventory and remotely-sensed assessment of "natural habitat" integrity. U.S. Fish and Wildlife Service, National Wetlands Inventory, Ecological Services, Region 5, Hadley, Massachusetts. 31 pp. + appendix.
- Tischer, S. and T. Hüber. 2002. Model trials for phytoremediation of hydrocarbon-contaminated sites by the use of different plant species. *International Journal of Phytoremediation* 4(3): 187-203.
- Titus, J.G., C.Y. Kuo, M.J. Gibbs, T.B. LaRoche, M.K. Webb, and J.O. Waddell. 1987. Greenhouse effect, sea level rise, and coastal drainage systems. *Journal of Water Resources Planning and Management* 113: 216-225.
- _____, R.A. Park, S.P. Leatherman, J.R. Weggel, M.S. Greene, P.W. Mausel, S. Brown, G. Gaunt, M. Trehan, and G. Yohe. 1991. Greenhouse effect and sea level rise: The cost of holding back the sea. *Coastal Management* 19: 171-204.

- _____, and V. Narayanan. 1995. The probability of sea-level rise. EPA 230-R95-008. U.S. Environmental Protection Agency, Washington, D.C. 186 pp.
- _____, and C. Richman. 2001. Maps of lands vulnerable to sea level rise: Modeled elevations along the U.S. Atlantic and Gulf coasts. *Climate Research* 18: 205-228.
- Torlucci, J., Jr. 1982. Distribution of heavy metal concentrations in sediment surrounding a sanitary landfill in the Hackensack Meadowlands, New Jersey. Unpublished manuscript. Department of Geology, Rutgers University-Newark, Newark, New Jersey. (Data available electronically at cimic.rutgers.edu/ecorisk/malllandfill/.)
- Torrey, J., C.W. Eddy, and D.V. Knevels. 1819. Catalog of plants growing spontaneously within thirty miles of the City of New York. Websters and Skinners, Albany, New York. Not Seen.
- Totten, L.A. 2004. Present-day sources and sinks for polychlorinated biphenyls (PCBs) in the lower Hudson River estuary. *Industrial Ecology, Pollution Prevention and the NY/NJ Harbor Project*. New York Academy of Sciences, New York, New York. 13 pp.
- Trémolières, M. 2004. Plant response strategies to stress and disturbance: The case of aquatic plants. *Journal of Bioscience* 29: 461-470. (Available electronically at www.ias.ac.in/jbiosci/dec2004/461.pdf.)
- Udziela, M.K., and L.L. Bennett. 1997. Contingent evaluation of an urban salt marsh. Pages 41-61 *In* D.G. Casagrande (ed.). *Restoration of an urban salt marsh: An interdisciplinary approach*. Bulletin Series Number 100. Yale University, School of Forestry and Environmental Studies, New Haven, Connecticut.
- United Nations. 2005. World Population Prospects: The 2004 Revision and World Urbanization Prospects Web Page. esa.un.org/unpp/p2k0data.asp. United Nations, Department of Economic and Social Affairs, Population Division, New York, New York.
- United Nations EarthWatch. 2003. Biodiversity: Invasive Species Web Page. www.un.org/earthwatch/biodiversity/invasivespecies.html. United Nations Environment Programme, Global Resource Information Database, Geneva, Switzerland.
- U.S. Access Board. 2005. ADA Accessibility Guidelines for Recreation Facilities Web Page. www.access-board.gov/recreation/final.htm. Architectural and Transportation Barriers Compliance Board, U.S. Access Board, Washington, D.C.
- U.S. Army Corps of Engineers. 2000. Planning guidance notebook. Environmental Regulation 1105-2-100, 22 April 2000. U.S. Army Corps of Engineers, Division of Civil Works, Washington, D.C. 74 pp. + appendices. (Available online at www.usace.army.mil/inet/usace-docs/eng-regs/er1105-2-100/toc.htm.)

- _____. 2001. Regulatory Guidance Letter, No. 01-01. Guidance for the Establishment and Maintenance of Compensatory Mitigation Projects Under the Corps Regulatory Program Pursuant to Section 404(a) of the Clean Water Act and Section 10 of the Rivers and Harbors Act of 1899. U.S. Army Corps of Engineers, Directorate of Civil Works, Regulatory Program, Washington, D.C. 12 pp. (Available online at www.usace.army.mil/inet/functions/cw/cecwo/reg/rgl01-01.htm.)
- _____. 2002a. Goffle Brook Hawthorne, NJ flood damage reduction and ecosystem restoration study. U.S. Army Corps of Engineers, New York District, New York, New York. 2 pp. (Available online at www.nan.usace.army.mil/project/newjers/factsh/pdf/goffle.pdf.)
- _____. 2002b. Regulatory Guidance Letter, No. 02-02. Guidance on compensatory mitigation projects for aquatic resource impacts under the Corps regulatory Program pursuant to Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act of 1899. U.S. Army Corps of Engineers, Directorate of Civil Works, Regulatory Program, Washington, D.C. 16 pp. (Available online at www.usace.army.mil/inet/functions/cw/cecwo/reg/RGL2-02.pdf.)
- _____. 2003a. Project management plan. Ecosystem restoration study. Hudson Raritan Estuary, Hackensack Meadowlands, New Jersey. U.S. Army Corps of Engineers, New York District, New York, New York. 7 sections + appendices.
- _____. 2003b. Success of Corps-required wetland mitigation in New England. U.S. Army Corps of Engineers, New England District, Concord, Massachusetts. 26 pp.
- _____. 2004a. Meadowlands environmental site investigation compilation (MESIC). Hudson-Raritan Estuary, Hackensack Meadowlands, New Jersey. U.S. Army Corps of Engineers, New York District, New York, New York. 338 pp. (Available online at www.njmeadowlands.gov/Final%20MESIC%20Report%205-04.pdf.)
- _____. 2004b. Anderson Creek analytical data report. Fort Monmouth Environmental Testing Laboratory, Directorate of Public Works, Fort Monmouth, U.S. Army Corps of Engineers, Eatontown, New Jersey. 233 pp. + appendices.
- _____. 2005a. Passaic River mainstem and tributaries, New Jersey, flood damage reduction and restoration projects. U.S. Army Corps of Engineers, New York District, New York, New York. 1 pp. (Available online at www.nan.usace.army.mil/project/newjers/factsh/pdf/passaic.pdf.)
- _____. 2005b. Upper Rockaway River basin flood protection and environmental restoration feasibility study, Morris County, New Jersey. U.S. Army Corps of Engineers, New York District, New York, New York. 1 pp. (Available online at www.nan.usace.army.mil/project/newjers/factsh/pdf/rockaup.pdf.)

- _____. 2005c. Passaic River basin, flood management (floodway buy-out), New Jersey. U.S. Army Corps of Engineers, New York District, New York, New York. 3 pp. (Available online at www.nan.usace.army.mil/project/newjers/factsh/pdf/passflo.pdf.)
- _____. 2005d. Hackensack Meadowlands, New Jersey: Lyndhurst riverside marsh aquatic ecosystem restoration: Continuing Authorities Program Section 206. Fact Sheet. U.S. Army Corps of Engineers, New York District, New York, New York. 1 pp. (Available online as www.nan.usace.army.mil/project/newjers/factsh/pdf/hackenmeadow.pdf.)
- _____. 2005e. News Release. Natural Resources Defense Council, Inc., Raritan Baykeeper, Andrew Willner, and Greenfaith vs. U.S. Army Corps of Engineers and Colonel Richard Polo. United States District Court, Southern District of New York. U.S. Army Corps of Engineers, New York District, New York, New York. 63 pp. (Available online at www.nan.usace.army.mil/news/newsrels/court.pdf.)
- _____. 2005f. Hudson-Raritan Estuary New York and New Jersey ecosystem restoration (overall feasibility study). Fact sheet. U.S. Army Corps of Engineers, New York District, New York, New York. (Available online at www.nan.usace.army.mil/project/newjers/factsh/pdf/estuary.pdf.)
- _____. 2005g. Hackensack Meadowlands ecosystem restoration project. Draft initial phase of the Meadowlands comprehensive restoration implementation plan. U.S. Army Corps of Engineers, New York District, New York, New York. DACW51-01-D-0005, Delivery Order 0014 (JR5106). Louis Berger Group, Inc., Florham Park, New Jersey. 216 pp.
- _____. 2005h. Monitoring and Assessment Plan Web Page. www.evergladesplan.org/pm/recover/recover_map.cfm. U.S. Army Corps of Engineers, Jacksonville District, Jacksonville, Florida.
- _____, and U.S. Environmental Protection Agency. 2004. Preliminary draft framework document for the Berry's Creek Study Area, Bergen County, New Jersey. Contract Number DACW41-02-D-0003. Prepared by Malcolm Pirnie, Inc. for U.S. Army Corps of Engineers, New York District, New York, New York, and U.S. Environmental Protection Agency, Region 2, New York, New York. Malcolm Pirnie, Inc., Fair Lawn, New Jersey. 60 pp. + 5 appendices.
- _____, U.S. Environmental Protection Agency, Natural Resources Conservation Service, U.S. Fish and Wildlife Service, and National Oceanic and Atmospheric Administration. 1995. Federal guidance for the establishment, use and operation of mitigation banks. National Archives and Records Administration, Office of the Federal Register. Federal Register 60 (No. 228): 58605-58614.
- _____, U.S. Environmental Protection Agency, U.S. Department of Commerce, U.S. Department of the Interior, U.S. Department of Agriculture, and U.S. Department of Transportation. 2002. National wetlands mitigation action plan. U.S. Army Corps of Engineers, U.S. Environmental Protection Agency, U.S. Department of Commerce, U.S. Department of

the Interior, U.S. Department of Agriculture, and U.S. Department of Transportation; Washington, D.C. 12 pp.

- U.S. Army Engineer Research and Development Center, Hackensack Meadowlands Development Commission, and U.S. Army Corps of Engineers, New York District. 2000. Flood control survey, Hackensack Meadowlands District. U.S. Army Engineer Research and Development Center, Vicksburg, Mississippi; Hackensack Meadowlands Development Commission, Lyndhurst, New Jersey; and U.S. Army Corps of Engineers, New York District, New York, New York.
- U.S. Census Bureau. 2005a. Population Projections: State Interim Projections Consistent With 2000 Census, Table 6 Web Page. www.census.gov/population/projections/PressTab6.xls. U.S. Department of Commerce, Census Bureau, Population Division, Suitland, Maryland.
- _____. 2005b. Time Series of New Jersey Intercensal Population Estimates by County Web Page. www.census.gov/popest/archives/2000s/vintage_2001/CO-EST2001-12/CO-EST2001-12-34.html. U.S. Department of Commerce, Census Bureau, Population Division, Suitland, Maryland.
- U.S. Coast Guard. 2005. Ballast Water Management Program Web Page. www.uscg.mil/hq/g-m/mso/bwm.htm. U.S. Department of Homeland Security, Coast Guard, Office of Operating and Environmental Standards, Washington, D.C.
- U.S. Conference of Mayors. 2002. Mayors use partnerships with army corps of engineers to help renovate urban waterfronts: Denver, Seattle, San Antonio, Kansas City and Boston revitalize Urban Waterfronts Web Page. www.usmayors.org/uscm/us_mayor_news_paper/documents/06_03_02/army_corps.asp. United States Conference of Mayors. Washington, D.C.
- U.S. Department of Agriculture. 2005. Plants Database Web Page. plants.usda.gov/. U.S. Department of Agriculture, Natural Resources Conservation Service, National Plant Data Center, Baton Rouge, Louisiana.
- _____, Agriculture and Agri Food Canada, and Conabio Mexico. 2005. Integrated Taxonomic Information System Web Page. www.itis.usda.gov/. U.S. Department of Agriculture, Washington, D.C.; Organization of Agriculture and Agri Food Canada, Ottawa, Canada; and Conabio, Mexico City, Mexico.
- U.S. Department of Housing and Urban Development. 2005. Finding the Causes of Urban Flooding Web Page. www.oup.org/grantee/AbstractDetail.asp?Abstract=1610&Program=COPC. Office of University Partnerships, U.S. Department of Housing and Urban Development, Washington, D.C.
- U.S. Department of the Interior. 1994. The impact of federal programs on wetlands. Volume II: The Everglades, Coastal Louisiana, Galveston Bay, Puerto Rico, California's Central Valley, Western Riparian Areas, Southeastern and Western Alaska, The Delmarva

Peninsula, North Carolina, Northeastern New Jersey, Michigan, and Nebraska. A report to Congress by the Secretary of the Interior. U.S. Department of the Interior, Washington, D.C. 333 pp.

- U.S. Environmental Protection Agency. 1992. Basis for the advanced identification of wetlands in New Jersey's Hackensack Meadowlands. New York, New York. 11 pp.
- _____. 1998. Endocrine Disruptor Screening and Testing Advisory Committee (EDSTAC) final report. U.S. Environmental Protection Agency, Office of Science Coordination and Policy, Washington, D.C. 7 Chapters + Appendices. (Available online at www.epa.gov/scipoly/oscpendo/edspoverview/finalrpt.htm.)
- _____. 1999. Method 1668, revision A: Chlorinated biphenyl congeners in water, soil, sediment, and tissue by HRGC/HRMS, EPA 821 R 00 002. U.S. Environmental Protection Agency, Office of Water, Washington, D.C. 112 pp + Appendices.
- _____. 2000. Principles for the Ecological Restoration of Aquatic Resources Web Page. www.epa.gov/owow/wetlands/restore/principles.html, U.S. Environmental Protection Agency, Office of Wetlands, Oceans, and Watersheds, Washington, D.C.
- _____. 2002. National recommended water quality criteria: 2002. EPA-822-R-02-047. U.S. Environmental Protection Agency, Office of Water, Office of Science and Technology. 33 pp. (Available online at www.epa.gov/waterscience/pc/revcom.pdf.)
- _____. 2003a. Ridgewood Area Aquifer System (Brunswick Shale and Sandstone) Web Page. www.epa.gov/region02/water/aquifer/ridge/ridgewd.htm. U.S. Environmental Protection Agency, Region II, Water Program, New York, New York.
- _____. 2003b. Eutrophication Web Page. www.epa.gov/maia/html/estEutr.html. Summary report, Mid-Atlantic integrated assessment (MAIA) estuaries 1997-98, environmental conditions in the Mid-Atlantic estuaries. U.S. Environmental Protection Agency, Office of Research and Development, Ft. Meade, Maryland.
- _____. 2003c. Wetlands Functions and Values Web Page. www.epa.gov/watertrain/wetlands/. U.S. Environmental Protection Agency, Office of Water, Watershed Academy, Washington, D.C.
- _____. 2003d. Minutes from the July 15, 2003 HEP Habitat Workgroup Meeting. New York-New Jersey Harbor Estuary Program, U.S. Environmental Protection Agency, New York, New York. 5 pp. (Available online at www.seagrant.sunysb.edu/hep/minutes/hwg-03july15.pdf.)
- _____. 2004a. National Estuary Program Web Page. www.epa.gov/owow/estuaries/. Office of Wetlands, Oceans, and Watersheds, U.S. Environmental Protection Agency, Washington, D.C.

- _____. 2004b. Ventron/Velsicol New Jersey, Superfund fact sheet, EPA ID# NJD980529879. U.S. Environmental Protection Agency, Region II Superfund Program, New York, New York. 3 pp. (Available online at www.epa.gov/region02/superfund/npl/0200674c.pdf.)
- _____. 2004c. Universal Oil Products, New Jersey Superfund fact sheet, EPA ID# NJD002005106. U.S. Environmental Protection Agency, Region II Superfund Program, New York, New York. 3 pp. (Available online at www.epa.gov/region02/superfund/npl/0200101c.pdf.)
- _____. 2004d. Scientific Chemical Processing, New Jersey Superfund fact sheet, EPA ID# NJD070565403. U.S. Environmental Protection Agency, Region II Superfund Program, New York, New York. 3 pp. (Available online at www.epa.gov/region02/superfund/npl/0200431c.pdf.)
- _____. 2004e. Diamond Alkali Co. New Jersey Superfund fact sheet, EPA ID# NJD980528996. U.S. Environmental Protection Agency, Region II Superfund Program, New York, New York. 3 pp. (Available online at www.epa.gov/region02/superfund/npl/0200613c.pdf.)
- _____. 2004f. NPL Site Narrative for Standard Chlorine Chem. Co., Inc. Web Page. www.epa.gov/superfund/sites/npl/nar1672.htm. U.S. Environmental Protection Agency, Region II Superfund Program, New York, New York.
- _____. 2004g. Hudson River PCBs: Background and Site Information Web Page. www.epa.gov/hudson/background.htm. U.S. Environmental Protection Agency, Region II Superfund Program, New York, New York.
- _____. 2004h. About Superfund Redevelopment Web Page. www.epa.gov/superfund/programs/recycle/overview.htm. U.S. Environmental Protection Agency, Superfund Redevelopment Program, Washington, D.C.
- _____. 2005a. Superfund Risk Assessment: Ecological Stressor Response and Exposure Analysis Web Page. www.epa.gov/oswer/riskassessment/superfund_stressor.htm. U. S. Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, D.C.
- _____. 2005b. Toxicity Profiles Web Page. www.epa.gov/region5/superfund/ecology/html/toxprofiles.htm. U.S. Environmental Protection Agency, Region V, Ecological Risk Assessment and the Ecological Technical Center Superfund Program, Chicago, Illinois.
- _____. 2005c. Five star restoration challenge grant program: 2005 awards, New Jersey. Teaneck Creek wetlands restoration. U.S. Environmental Protection Agency, Office of Water, Washington, D.C. (Available online at www.epa.gov/owow/wetlands/restore/5star/fy05grants.html#teaneck_nj.)
- _____. 2005d. National management measures to protect and restore wetlands and riparian areas for the abatement of nonpoint source pollution. EPA 841-B-05-003 July 2005.

U.S. Environmental Protection Agency, Assessment and Watershed Protection Division, Office of Water, Washington D.C. 204 pp. + appendices.

- _____, U.S. Army Corps of Engineers, and U.S. Department of Energy. 1999. Fast track dredged material decontamination demonstration for the Port of New York and New Jersey. EPA 000-0-99000. Report to Congress on the Water Resources and Development Acts of 1990 (Section 412), 1992 (Section 405C), and 1996 (Section 226). U.S. Environmental Protection Agency, Region 2, New York; U.S. Army Corps of Engineers, New York District, New York, New York; and U.S. Department of Energy, Office of Science, Brookhaven National Laboratory, Upton, New York. 48 pp. (Available online at www.bnl.gov/wrdadcon/publications/reports/Congress.pdf.)
- U.S. Fish and Wildlife Service. 1980. Habitat evaluation procedures (HEP). ESM 102. U.S. Department of the Interior, Fish and Wildlife Service, Division of Ecological Services, Washington, D.C.
- _____. 1981. Standards for the development of habitat suitability index models for use in the Habitat Evaluation Procedures. ESM 103. U.S. Department of the Interior, Fish and Wildlife Service, Division of Ecological Services, Washington, D.C.
- _____. 1993. Siting recovery plan, dwarf wedgemussel, *Alasmidonta heterodon*, Hadley, Massachusetts. 52 pp.
- _____. 1995. White-tailed deer management plan for the Federal Aviation Administration Technical Center, Atlantic County, New Jersey. Technical assistance report. U.S. Department of the Interior, Fish and Wildlife Service, New Jersey Field Office, Pleasantville, New Jersey. 18 pp. + appendices.
- _____. 1996a. Significant habitats and habitat complexes of the New York Bight watershed. U.S. Department of the Interior, Fish and Wildlife Service, Southern New England-New York Bight, Coastal Ecosystems Program, Charlestowne, Rhode Island. 1025 pp.
- _____. 1996b. Biological Opinion on the Effects of the U.S. Environmental Protection Agency's Approval of the State of New Jersey's Surface Water Quality Standards on the Bald Eagle, Peregrine Falcon, and Dwarf Wedgemussel. U.S. Department of the Interior, Fish and Wildlife Service, New Jersey Field Office, Pleasantville, New Jersey. 54 pp.
- _____. 1998. Letter dated January 12, 1998 amending the terms and conditions of the Service's June 26, 1996 Biological Opinion on the effects of the USEPA's proposed action. U.S. Department of the Interior, Fish and Wildlife Service, New Jersey Field Office, Pleasantville, New Jersey
- _____. 1999. Agency draft Indiana Bat (*Myotis sodalis*) revised recovery plan. U.S. Department of the Interior, Fish and Wildlife Service, Region 3, Fort Snelling, Minnesota. 53 pp. (Available online at ecos.fws.gov/docs/recovery_plans/1999/990301.pdf.)

- _____. 2000. Service Guidance on the Siting, Construction, Operation and Decommissioning of Communications Towers Web Page. migratorybirds.fws.gov/issues/towers/comtow.html. U.S. Department of the Interior, Fish and Wildlife Service, Washington, D.C.
- _____. 2001a. Bog Turtle (*Clemmys muhlenbergii*), northern population, recovery Pplan. U.S. Department of the Interior, Fish and Wildlife Service, Northeast Region, Hadley, Massachusetts. 103 pp.
- _____. 2001b. News and Activities Web Page: Hundreds of Birds Die in Florida. www.fws.gov/contaminants/DisplayNews.cfm?NewsID=E2D4E07B-7448-11D4-A169009027B6B5D3. U.S. Department of the Interior, Fish and Wildlife Service, Division of Environmental Quality, Washington, D.C.
- _____. 2002a. National Wetlands Inventory: A strategy for the 21st Century. U.S. Department of the Interior, Fish and Wildlife Service, National Wetlands Inventory, Division of Habitat and Resources Conservation, Arlington, Virginia. 16 pp. (Available online at wetlands.fws.gov/Pubs_Reports/NWI121StatFNL.pdf.)
- _____. 2002b. The Hackensack Meadowlands issue, *Field Notes: An activity report of field operations*. U.S. Department of the Interior, Fish and Wildlife Service, New Jersey Field Office, Pleasantville, New Jersey. 29 pp. (Available online at www.fws.gov/northeast/njfieldoffice/FieldNotes%20WEB%20PDF/2002_DEC_FN_html/2002_DEC_index.htm.)
- _____. 2002c. Birds of conservation concern. U.S. Department of the Interior, Fish and Wildlife Service, Division of Migratory Bird Management, Arlington, Virginia. 105 pp. (Available online at migratorybirds.fws.gov/reports/BCC02/BCC2002.pdf.)
- _____. 2003a. New York-New Jersey Harbor estuary ecological vision plan. U.S. Department of the Interior, Fish and Wildlife Service, Region 5, Hudson River / New York Bight Ecosystem Team, Pleasantville, New Jersey. 85 pp.
- _____. 2003b. Fish and Wildlife Coordination Act Section 2(b) Report: Assessment of the dredged material management plan for the Port of New York and New Jersey. U.S. Department of the Interior, Fish and Wildlife Service, New Jersey Field Office, Pleasantville, New Jersey. 53 pp. + 4 appendices.
- _____. 2003c. Higgins' Eye Pearlymussel (*Lampsilis higginsii*) Draft Revised Recovery Plan Web Page. www.fws.gov/midwest/endangered/clams/higginseye/hepm-rplan.html. U.S. Department of the Interior, Fish and Wildlife Service, Great Lakes-Big Rivers Endangered Species Program, Fort Snelling, Minnesota.
- _____. 2004a. A blueprint for the future of migratory birds: Migratory bird program strategic plan 2004-2014. U.S. Department of the Interior, Fish and Wildlife Service, Migratory

Birds and State Programs, Arlington, Virginia. 22 pp. (Available online at migratorybirds.fws.gov/mbstratplan/MBStratPlanTOC.htm)

- _____. 2004b. Invasion! In your Back Yard? Field Notes, New Jersey Field Office, Spring 2004. U.S. Department of the Interior, Fish and Wildlife Service, New Jersey Field Office, Pleasantville, New Jersey. 36 pp. (Available online at njfieldoffice.fws.gov/FieldNotes%20WEB%20PDF/2004_Spring_html/Index_2004.htm.)
- _____. 2004c. Bald Eagle Life History Web Page. ecos.fws.gov/docs/life_histories/B008.html. U.S. Department of the Interior, Fish and Wildlife Service, Endangered Species Program, Washington, D.C.
- _____. 2004d. Annual deer hunting program, 2004, Great Swamp National Wildlife Refuge, Basking Ridge, New Jersey. U.S. Department of the Interior, Fish and Wildlife Service, Great Swamp National Wildlife Refuge, Basking Ridge, New Jersey. 11 pp. + appendices.
- _____. 2004e. Planning Aid Report (Draft, dated March 2004): Hackensack Meadowlands ecosystem restoration (HMER) project, Bergen and Hudson Counties, New Jersey. U.S. Department of the Interior, Fish and Wildlife Service, New Jersey Field Office, Pleasantville, New Jersey. 18 pp. + appendices.
- _____. 2004f. Partners for Fish and Wildlife: Opportunities for private landowners. Fact sheet. U.S. Department of the Interior, Fish and Wildlife Service, New Jersey Field Office, Pleasantville, New Jersey. (Available online at njfieldoffice.fws.gov/Partners%20Holding/PrivateLands/partners_fact_sheet_pg1&2.pdf.)
- _____. 2005a. Hackensack Meadowlands ecosystem restoration project delivery team planning aid report on potential contaminant investigations at Bellemeade mitigation area, Bergen County, New Jersey. U.S. Department of the Interior, Fish and Wildlife Service, New Jersey Field Office, Pleasantville, New Jersey. 22 pp.
- _____. 2005b. Planning aid report: Environmental contaminants issues for restoration, Hackensack Meadowlands ecosystem restoration project, Bergen and Hudson Counties, New Jersey. U.S. Department of the Interior, Fish and Wildlife Service, New Jersey Field Office, Pleasantville, New Jersey. 98 pp.
- _____. 2005c. Planning aid report: Lower Passaic River remediation and ecosystem restoration project; Bergen, Essex, Hudson, and Passaic Counties, New Jersey; Biological resources overview and restoration opportunities. U.S. Department of the Interior, Fish and Wildlife Service, New Jersey Field Office, Pleasantville, New Jersey. 119 pp. + appendices.
- _____. 2005d. Coastal Program: Partnering for Coastal Conservation Web Page. www.fws.gov/coastal/CoastalProgram/. U.S. Department of the Interior, Fish and Wildlife Service, Branch of Habitat Restoration, Coastal Program, Arlington, Virginia.

- _____. U.S. Army Corps of Engineers (New York District), U.S. Environmental Protection Agency (Region II), National Marine Fisheries Service, and Hackensack Meadowlands Development Commission. 2000. Wildlife management plan for the Hackensack Meadowlands, Bergen and Hudson Counties, New Jersey. U.S. Department of the Interior, Fish and Wildlife Service, Pleasantville, New Jersey; U.S. Army Corps of Engineers, New York District, New York, New York; U.S. Environmental Protection Agency, Region II, New York, New York; U.S. Department of Commerce, National Marine Fisheries Service, Sandy Hook, New Jersey; and Hackensack Meadowlands Development Commission, Lyndhurst, New Jersey. 41 pp. + appendices.
- _____. and U.S. Census Bureau. 2002. 2001 National survey of fishing, hunting, and wildlife-associated recreation. U.S. Department of the Interior, Fish and Wildlife Service; and U.S. Department of Commerce, Census Bureau; Washington, D.C. 116 pp. + appendices.
- _____. 2003a. 2001 National survey of fishing, hunting, and wildlife-associated recreation-New Jersey. U.S. Department of the Interior, Fish and Wildlife Service; and U.S. Department of Commerce, Census Bureau; Washington, D.C. 46 pp. + appendices.
- _____. 2003b. 2001 National and state economic impacts of wildlife-watching. Addendum to the 2001 National survey of fishing, hunting, and wildlife-associated recreation. Report 2001-2. U.S. Department of the Interior, Fish and Wildlife Service; and U.S. Department of Commerce, Census Bureau; Washington, D.C. 12 pp.
- _____. 2003c. Birding in the United States: A demographic and economic analysis. Addendum to the 2001 National survey of fishing, hunting, and wildlife-associated recreation. Report 2001-1. U.S. Department of the Interior, Fish and Wildlife Service; and U.S. Department of Commerce, Census Bureau; Washington, D.C. 18 pp. + appendices.
- U.S. General Accounting Office. 2001. Wetlands protection: Assessments needed to determine effectiveness of in-lieu-fee mitigation. Report to Congressional Requesters. U.S. General Accounting Office, Washington, D.C. 71 pp. (Available online at www.epa.gov/owow/wetlands/pdf/GAO.pdf.)
- U.S. Geological Survey. 2003. Water Resources Data, New Jersey, Water Year 2002. Volume 1, Surface-water data. Water-Data Report NJ-02-1. U.S. Department of the Interior, Geological Survey, Water Resources Division, West Trenton, New Jersey. 364 pp.
- _____. 2004. Brominated flame retardants in the environment. U.S. Department of the Interior, Geological Survey, Columbia Environmental Research Center, Columbia, Missouri. 2 pp. (Available online at www.cerc.cr.usgs.gov/pubs/center/pdfDocs/PBDE.pdf.)
- _____. 2005a. Current Water-Resources Projects In New Jersey Web Page. nj.usgs.gov/office/projects.html. U.S. Department of the Interior, Geological Survey, New Jersey Water Science Center, Water Resources Program, West Trenton, New Jersey.

- _____. 2005b. Emerging Contaminants in the Environment Web Page. toxics.usgs.gov/regional/emc/. U.S. Department of the Interior, Geological Survey, Toxic Substances Hydrology Program, Reston, Virginia.
- _____. 2005c. National Wildlife Health Center West Nile Virus Project Web Page. www.nwhc.usgs.gov/research/west_nile/west_nile.html. U.S. Department of the Interior, Geological Survey, National Wildlife Health Center, Madison, Wisconsin.
- _____. 2005d. Amphibian Research and Monitoring Initiative Web Page. armi.usgs.gov/index.asp. U.S. Department of the Interior, Geological Survey, Patuxent Wildlife Research Center, Laurel, Maryland.
- _____. 2006. National Biological Information Infrastructure: Systematics/Scientific Names Web Page. www.nbio.gov/disciplines/systematics.html. U.S. Department of the Interior, Geological Survey, Center for Biological Informatics, Reston, Virginia.
- _____, and the U.S. Fish and Wildlife Service. 2005. Landscapes: Habitat Displacement and Sea-level Change -- the Blackwater Model Web Page. U.S. Geological Survey Research Activities with U.S. Fish and Wildlife Service. geology.usgs.gov/connections/fws/landscapes/blackwater_model.htm. U.S. Department of the Interior, Geological Survey, Reston, Virginia.
- U.S. Global Change Research Program. 2003. Global Change Research Program: Projections of Land Use and Land Cover Change Web Page. www.usgcrp.gov/usgcrp/ProgramElements/recent/landrecent.htm. U.S. Climate Change Science Program, U.S. Global Change Research Program, Washington, D.C.
- U.S. Office of Management and Budget. 2004. Corps of Engineers—Civil Works Web Page. www.whitehouse.gov/omb/budget/fy2004/corps.html. Office of Management and Budget, Executive Office of the President of the United States, Washington, D.C.
- United Water New Jersey. 2004. United Water New Jersey Web Page. www.unitedwater.com/uwnj/default.asp. United Water New Jersey, Harrington Park, New Jersey.
- Valiela, I. 1991. Ecology of coastal ecosystems. Pages 57-76 *In* R.S.K. Barnes and S.K. Mann (eds.). *Fundamentals of aquatic ecology*. Blackwell Science, Cambridge, Massachusetts. 270 pp.
- _____, and J.M. Teal. 1974. Nutrient limitation in salt marsh vegetation. Pages 547-563 *In* R.J. Reimold and W.H. Queens (eds.). *Ecology of halophytes*. Academic Press, New York. 605 pp.
- _____. 1979. Nitrogen budget of a salt marsh ecosystem. *Nature* 280: 652-656.

- _____, and N.Y. Persson. 1976. Production and dynamics of experimentally enriched salt marsh vegetation: Belowground biomass. *Limnology and Oceanography* 21: 245-252.
- Van den Berg, M., L. Birnbaum, A.T. Bosveld, B. Brunstrom, P. Cook, M. Feeley, J.P. Giesy, A. Hanberg, R. Hasegawa, S.W. Kennedy, T. Kubiak, J.C. Larsen, F.X. van Leeuwen, A.K. Liem, C. Nolt, R.E. Peterson, L. Poellinger, S. Safe, D. Schrenk, D. Tillitt, M. Tysklind, M. Younes, F. Waern, and T. Zacharewski. 1998. Toxic equivalency factors (TEFs) for PCBs, PCDDs, and PCDFs for humans and wildlife. *Environmental Health Perspectives* 106: 775-92.
- Van Horne, B. 1983. Density as a misleading indicator of habitat quality. *Journal of Wildlife Management* 47: 893-901.
- Van Katwijk, M. M., L.H.T. Vergeer, G.H.W. Schmitz, and J.G.M. Roelofs. 1997. Ammonium toxicity in eelgrass *Zostera marina*. *Marine Ecology Progress Series* 157: 159-173.
- Van Winkle, W., P.J. Anders, D.H. Secor, and D. Dixon (eds.). 2002. Biology, protection, and management of North American sturgeon. *American Fisheries Society Symposium* No. 28, 258 pp.
- Vannote, R.L., J.V. Minshall, K.W. Cummins, J.R. Seddell, and C.E. Cushing. 1980. The river continuum concept. *Canadian Journal of Fisheries and Aquatic Sciences* 37: 130-137.
- Vavrek, M.C., and W.J. Campbell. 2002. Contribution of seed banks to freshwater wetland vegetation recovery. *Freshwater Spills Symposium*. U.S. Environmental Protection Agency, Office of Emergency Management, Oil Program, Wasington, D.C. 17 pp. (Available online at www.epa.gov/oilspill/pdfs/vavrekpaper.pdf.)
- Vermeule, C.C. 1897. Drainage of the Hackensack and Newark tidemarshes. Pages 289-317 *In* Annual Report of the State Geologist for the Year 1896. New Jersey Geological Survey, Trenton, New Jersey. (Not seen.)
- Versar, Inc. 1989. Review and evaluation of thermal effects studies and cooling water intake structure demonstrations of impact for the Bergen, Hudson, Kearny, Linden, and Sewaren generating stations: First progress summary (draft). Prepared for PSEG, Newark, New Jersey. Versar, Inc., Columbia, Maryland.
- Vickery, P.D., M.L. Hunter Jr., and J.V. Wells. 1992. Is density an indicator of breeding success? *The Auk* 109: 706-710.
- Vigmostad, K.E., N. Mays, A. Hance, and A. Cangelosi. 2005. Large-scale ecosystem restoration: Lessons for existing and emerging initiatives. The Northeast Midwest Insitute, Washington, D.C. 51 pp. (Available online at www.nemw.org/restoration.pdf.)
- Wahrman, T.S. 2000. Agent orange in Newark: Time for a new beginning. *Seton Hall Law Review* 29: 89-94.

- Wainwright, S.C., M.P. Weinstein, K.W. Able, and C.A. Currin. 2000. Relative importance of benthic microalgae, phytoplankton, and the detritus of smooth cordgrass (*Spartina*) and the common reed (*Phragmites*) to brackish marsh food webs. *Marine Ecology Progress Series* 200: 77-91.
- Waksman, S.A., H. Schulhoff, C.A. Hickman, T.C. Cordon, and S.C. Stevens. 1943. The peats of New Jersey and their utilization. Department of Conservation and Development, Trenton, New Jersey. (Not seen.)
- Walker, M.K., J.M. Spitsbergen, J.R. Olson, and R.E. Peterson. 1991. 2,3,7,8-tetrachloro-dibenzo-*p*-dioxin (TCDD) toxicity during early lifestage development of lake trout (*Salvelinus namaycush*). *Canadian Journal of Fisheries and Aquatic Sciences* 48: 875-883.
- Walker, N.J., P.W. Crockett, A. Nyska, A.E. Brix, M.P. Jokinen, D.M. Sells, J.R. Hailey, M. Easterling, J.K. Haseman, M. Yin, M.E. Wyde, J.R. Bucher, and C.J. Portier. 2005. Dose-additive carcinogenicity of a defined mixture of “dioxin-like compounds.” *Environmental Health Perspectives* 113: 43-48.
- Walsh, J.M., V. Elia, R. Kane, and T. Halliwell. 1999. *Birds of New Jersey*. New Jersey Audubon Society, Bernardsville, New Jersey. 704 pp.
- Ward, J.V., and J.A. Stanford. 1983. The serial discontinuity concept of river ecosystems. Pages 29-42 *In* T.D. Fontaine and S.M. Bartell (eds.). *Dynamics of lotic ecosystems*. Ann Arbor Science Publications, Ann Arbor, Michigan. 494 pp.
- Warren, R.S., P.E. Fell, R. Rozsa, A.H. Brawley, A.C. Orsted, E.T. Olson, V. Swamy, and W.A. Niering. 2002. Salt marsh restoration in Connecticut: 20 years of science and management. *Restoration Ecology* 10(3): 497-513.
- Watts, G. 2000. Urban Edge Effects and Their Relationship With the Natural Environment Web Page. www.parks.ca.gov/pages/21280/files/urbanedge.pdf. California Department of Parks and Recreation, Sacramento, California.
- Watras, C.J. and J.W. Huckabee. 1994. *Mercury pollution-integration and synthesis*. Lewis Publishers, Ann Arbor, Michigan. 727 pp.
- Weinstein, M.P., and J.H. Balletto. 1999. Does the common reed, *Phragmites australis*, affect essential fish habitat? *Estuaries* 22: 793-802.
- Weis, J.S., and P. Weis. 1989. Tolerance and stress in a polluted environment: The case of the mummichog. *BioScience* 39: 89-95.

- _____, G.M. Smith, and T. Zhou. 1999a. Altered predator/prey capture in polluted environments: Implications for fish conservation. *Environmental Biology of Fishes* 55: 43-51.
- _____, N. Mague, and P. Weis. 1999b. Mercury tolerance, population effects, and population genetics in the mummichog, *Fundulus heteroclitus*. Pages 31-54 In V.E. Forbes (ed.). *Genetics and ecotoxicology*. Taylor and Francis, Washington, D.C. 231 pp.
- _____, and P. Weis. 2003a. Benthic communities and metal contamination in Eight-Day Swamp, a brackish marsh in the Hackensack Meadowlands. Meadowlands Symposium, October 9-10, 2003, New Jersey Meadowlands Commission, Lyndhurst, New Jersey. (Abstract available at civic.rutgers.edu/meri/symposium/abstract/fortyfive.htm.)
- _____. 2003b. Is the invasion of the common reed, *Phragmites australis*, into tidal marshes of the Eastern U.S. an ecological disaster? *Marine Pollution Bulletin* 46: 816-820.
- _____. 2004. Metal uptake, transport and release by wetland plants: Implications for phytoremediation and restoration. *Environment International* 30: 685-700.
- Weis, P. 2005. Contaminants in fish in the Hackensack Meadowlands. Meadowlands Environmental Research Institute electronic database report 2005-003. New Jersey Meadowlands Commission, Lyndhurst, New Jersey. 12 pp. + appendices. (Available online at merilibrary.njmeadowlands.gov/dbtw-wpd/FullText/ML-05-3/report.pdf.)
- _____, and J.S. Weis. 1987. Methylmercury inhibition of fin regeneration in fishes and its interaction with salinity and cadmium. *Estuarine, Coastal, and Marine Science* 6: 327-334.
- Weller, D.E., T.E. Jordan, and D.L. Correll. 1998. Heuristic models for material discharge from landscapes with riparian buffers. *Ecological Applications* 8: 1156-69.
- Welling, C. H. and R. L. Becker. 1990. Seed bank dynamics of *Lythrum salicaria* L.: Implications for control of this species in North America. *Aquatic Botany* 38: 303-309.
- Wenger, S. 1999. A review of the scientific literature on riparian buffer width, extent and vegetation. Office of Public Service and Outreach, Institute of Ecology, University of Georgia, Athens, Georgia. 59 pp. (Available online at outreach.ecology.uga.edu/tools/buffers/lit_review.pdf.)
- Whitaker, D.M., and W.A. Montevecchi. 1999. Breeding bird assemblages inhabiting undisturbed shorelines and riparian buffer strips in Newfoundland, Canada. *Journal of Wildlife Management* 63: 167-179.
- Whitt, M.B., H.H. Prince, and R.R. Cox, Jr. 1999. Avian use of purple loosestrife dominated habitat relative to other vegetation types in a Lake Huron wetland complex. *Wilson Bulletin* 111(1): 105-114.

- Whittle K.J., J. Murray, P.R. Mackie, R. Hardy, and J. Farmer. 1977. Fate of hydrocarbons in fish. Pages 139-142 *In* A.D. McIntyre and K.J. Whittle (eds.). Petroleum hydrocarbons in the marine environment. Conseil International pour l'Exploration de la Mer, Vol. 171. Charlottenlund Slot, Denmark.
- Wiegner, T.N., S.P. Seitzinger, D.L. Breitburg, and J.G. Sanders. 2003. The effects of multiple stressors on the balance between autotrophic and heterotrophic processes in an estuarine system. *Estuaries* 26: 352-364.
- Wiener, J.G., D.B. Krabbenhoft, G.H. Heinz, and A.M. Scheuhammer. 2003. Chapter 16: Ecotoxicology of mercury. Pages 409-463 *In* D.J. Hoffman, B.A. Rattner, G.A. Burton, Jr., and J. Cairns, Jr. (eds.) *Handbook of ecotoxicology*, 2nd Edition. Lewis Publishers, New York, New York. 1290 pp.
- Wilbur, H.M. 1997. Experimental ecology of food webs: Complex systems in temporary ponds. *Ecology* 78: 2279-2302.
- Wilcox, B.A., and D.D. Murphy. 1985. Conservation strategy: The effects of fragmentation on extinction. *American Naturalist* 125: 879-887.
- Williams, J.D., and G.K. Meffe. 1998. Nonindigenous species. Pages 117-129 *In* M.J. Mac, P.A. Opler, C.E. Puckett-Haecker, and P.D. Doran (eds.). *Status and trends of the Nation's biological resources*, Volume 1. U.S. Department of the Interior, Geological Survey, Reston, Virginia. 436 pp.
- Williams, T.P., J.M. Bubb, and J.N. Lester. 1994. Metal accumulation within salt marsh environments: A review. *Marine Pollution Bulletin* 28: 277-290.
- Windham, L. 2001. Comparison of biomass production and decomposition between *Phragmites australis* (common reed) and *Spartina patens* (salt hay grass) in brackish tidal marshes of New Jersey, USA. *Wetlands* 21: 179-188.
- _____, and R. Lathrop, 1999. Effects of *Phragmites australis* (common reed) invasion on above-ground biomass and soil properties in brackish tidal marshes of the Mullica River, New Jersey. *Estuaries* 22: 927-935.
- _____, J. S. Weis, and P. Weis. 2001a. Lead uptake, distribution, and effects in two dominant salt marsh macrophytes, *Spartina alterniflora* (cordgrass) and *Phragmites australis* (common reed). *Marine Pollution Bulletin* 42: 811-816.
- _____. 2001b. Patterns and processes of mercury (Hg) release from leaves of two dominant salt marsh macrophytes, *Phragmites australis* and *Spartina alterniflora*. *Estuaries* 24: 787-795.
- _____. 2003. Uptake and distribution of metals in two dominant salt marsh macrophytes, *Spartina alterniflora* (cordgrass) and *Phragmites australis* (common reed). *Estuarine and Coastal Shelf Science* 56: 63-72.

- _____. 2004. Metal dynamics in plant litter of *Spartina alterniflora* and *Phragmites australis* in metal-contaminated salt marshes. Part 1. Patterns of decomposition and metal uptake. *Environmental Toxicology and Chemistry* 23: 1520-1528.
- Wintermyer, M.L. and K.R. Cooper. 2003. Dioxin/furan and polychlorinated biphenyl concentrations in eastern oyster (*Crassostrea virginica*, Gmelin) tissues and the effects on egg fertilization and development. *Journal of Shellfish Research* 22: 737-746.
- Wireman, J., C.A. Liebert, T. Smith, and A.O. Summers. 1997. Association of mercury resistance with antibiotic resistance in gram-negative fecal bacteria of primates. *Applied Environmental Microbiology* 63: 4494-4503.
- Wirgin, I., and J.R. Waldman. 2004. Resistance to contaminants in North American fish populations. *Mutation Research* 552: 73-100.
- With, K.A. 2004. Assessing the risk of invasive spread in fragmented landscapes. *Risk Analysis* 24: 803-815.
- Witje, A.H.B. and J. Gallagher. 1996. Effects of oxygen availability and salinity on early life stages of salt marsh plants. I. Different germination strategies of *Spartina alterniflora* and *Phragmites australis* (Poaceae). *American Journal of Botany* 83: 1337-1342.
- Wolfe, M.F., S. Schwarzbach, and R.A. Sulaiman. 1998. Effects of mercury on wildlife: A comprehensive review. *Environmental Toxicology and Chemistry* 17: 146-160.
- Wood, R.C., and L.S. Hales, Jr. 2001. Comparison of northern diamondback terrapin (*Malaclemys terrapin terrapin*) hatching success among variably oiled nesting sites along the Patuxent River following the Chalk Point Oil Spill of April 7, 2000. National Oceanic and Atmospheric Administration, Damage Assessment and Restoration Program, Silver Spring, Maryland. 39 pp. (Available online at www.darp.noaa.gov/northeast/chalk_point/pdf/cpar2037.pdf.)
- Woodward, R.T., and Y.S. Wui. 2001. The economic value of wetland services: A meta-analysis. *Journal of Ecological Economics* 37: 257-270.
- Wren, C.D. 1991. Cause-effect linkages between chemicals and populations of mink (*Mustela vison*) and otter (*Lutra canadensis*) in the Great Lakes basin. *Journal of Toxicology and Environmental Health* 33: 549-585.
- Wyman, R.L. 1998. Experimental assessment of salamanders as predators of detrital food webs: Effects on invertebrate decomposition and the carbon cycle. *Biodiversity and Conservation* 7: 641-650.
- Ye, Z.H., A.J.M. Baker, and M.H. Wong. 1997. Zinc, lead, and cadmium tolerance, uptake and accumulation by the common reed, *Phragmites australis* (Cav.) Trin ex Steudel. *Annals of Botany* 80: 363-370.

- Yuhas, C.E., J.M. Hartman, and J.S. Weis. 2003. Benthic communities in *Spartina alterniflora* and *Phragmites australis* dominated salt marshes found in the Hackensack Meadowlands, New Jersey. The Meadowlands Symposium, October 9-10, 2003. New Jersey Meadowlands Commission, Lyndhurst, New Jersey. (Abstract available at cimic.rutgers.edu/meri/symposium/abstract/fifty.htm.)
- Zedler, J.B. 1993. Canopy architecture of natural and planted cordgrass marshes: Selecting habitat evaluation criteria. *Ecological Application* 6: 38-56.
- _____. 2000. Progress in wetland restoration ecology. *Trends in Ecology and Evolution* 15: 402-407.
- _____, and S.C. Callaway. 1999. Tracking wetland restoration: Do mitigation sites follow desired trajectories? *Restoration Ecology* 7: 69-73.
- Zelikoff, J.T. 1994. Fish Immunotoxicology. Pages 71-94 *In* J.H. Dean, A.E. Munson and I. Kimber (eds.). *Immunotoxicology and immunopharmacology*, 2nd Edition. Raven Press, New York, New York. 761 pp.
- Zentmyer, G.A. 1988. Origin and distribution of four species of *Phytophthora*. *Transactions of the British Mycological Society* 91: 367-378.
- Zentner, J., J. Glaspy, and D. Schenk. 2003. Wetland and riparian woodland restoration costs. *Ecological Restoration* 21: 199-203.
- Zhang, K., B.C. Douglas, and S.P. Leatherman. 1997. East coast storm surges provide unique climate record. *Eos* 78: 389-397.
- Zhou, T., H.B. John-Alder, P. Weis, and J.S. Weis. 1999. Thyroidal status of mummichogs (*Fundulus heteroclitus*) from a polluted versus a reference habitat. *Environmental Toxicology and Chemistry* 18: 2817-2823.
- Zich, H.E. 1978. New Jersey anadromous fish inventory: Existing information on anadromous Clupeid Spawning in New Jersey. Miscellaneous report No. 41. New Jersey Department of Environmental Protection, Division of Fish, Game, and Shellfisheries, Bureau of Fisheries, Lebanon, New Jersey. 28 pp. + map.
- Zillioux, E.J., D.B. Porcella, and J. M. Benoit. 1993. Mercury cycling and effects in freshwater wetland ecosystems. *Environmental Toxicology and Chemistry* 12: 2245-2264.

B. PERSONAL COMMUNICATIONS

- Arnold, M. 2004. Executive Director. Teaneck Creek Conservancy, Teaneck, New Jersey.
- Doss, T. 2004. Principal Environmental Scientist. Louis Berger Group, Inc., East Orange, New Jersey.
- Feltes, R. 2004. Senior Wetlands Specialist. New Jersey Meadowlands Commission, Lyndhurst, New Jersey.
- Furnari, R. 2005. Environmental Policy Manager. Public Service Enterprise Group, Newark, New Jersey.
- Hobble, C. 2004. Senior Wetlands Specialist. New Jersey Meadowlands Commission, Lyndhurst, New Jersey.
- Mohn, B. 2004. Laboratory Operations Coordinator. Division of Life Sciences, Rutgers University, New Brunswick, New Jersey.
- Renna, M. 2004. Director of Environmental Sciences. Louis Berger Group, Inc., East Orange, New Jersey.
- Sheehan, W. 2005. Riverkeeper. The Hackensack Riverkeeper, Inc., Hackensack, New Jersey.
- Smith, D. 2004. Senior Naturalist (retired). New Jersey Meadowlands Commission, Lyndhurst, New Jersey.
- Spendiff, K. 2004. Wetlands Specialist. New Jersey Meadowlands Commission, Lyndhurst, New Jersey.
- Sullivan, C. 2004. Dam Operator. United Water of New Jersey, Harrington Park, New Jersey.
- Valent, M. 2005. Principal Zoologist. Endangered and Nongame Species Program, New Jersey Division of Fish and Wildlife, New Jersey Department of Environmental Protection, Trenton, New Jersey.
- Waldron, J. 2005. Science Director. Bergen Museum of Art & Science, Paramus, New Jersey.
- Wall, K. 2007. Coastal Management Specialist. Office of Ocean and Coastal Resource Management, National Oceanic and Atmospheric Administration, Washington, D.C.
- Wilson, T. 2004. Research Hydrologist and Geochemist. New Jersey District, U.S. Geological Survey, Trenton, New Jersey.