

IX. References

- Able, K.W., D.H. Wilber, A. Muzeni-Corino, and D.G. Clarke. 2009. Spring and Summer Larval Fish Assemblages in the Surf Zone and Nearshore off Northern New Jersey, USA. *Estuaries and Coasts*. Springer, New York.
- Adams, S. W. 1976. "The Ecology of Eelgrass *Zostera Marina* (L.), Fish Communities I. Structural Analysis." *Journal of Experimental Marine Biology and Ecology*, 22: 269-291.
- Alexander, R.R., R.J. Stanton, and J.R. Dodd. 1993. Influence of Sediment Grain Size on the Burrowing Bivalves: *Palaios*, v. 8, pp. 289-303.
- Altman, J. 2008. American oystercatcher (*Haematopus palliatus*) Monitoring at Cape Lookout National Seashore 2008 Summary Report. National Park Service, Cape Lookout National Seashore, Harkers Island, NC.
- American Shore & Beach Preservation Association (ASBPA). 2008. Terminal Groins at Coastal Inlets. Prepared by the ASBPA Science & Technology Committee.
- Barnes, R.D. 1974. *Invertebrate Zoology*. Third Edition. W.B. Saunders Company. Philadelphia.
- Becker, M.L. and M. A. Ross. 1999. A model study of Boca Ciega Bay, John's Pass, and Blind Pass. Publication Report: No. CMHAS.FDOT.99.01. University of South Florida. Tampa, Florida.
- Bell, F. W. 1997. The Economic Valuation of Saltwater Marsh Supporting Marine Recreational Fishing in the Southeastern United States. *Ecological Economics*. 21(3):243-254.
- Bergstrom, J.C., J.R. Stoll, J.P. Titre and V.L. Wright. 1990. Economic Value of Wetlands-Based Recreation. *Ecological Economics*. 2:129-147.
- Bertasi, F., M.A. Colangelo, M. Abbiati, and V.U. Ceccherelli. 2007. Effects of an artificial protection structure on the sandy shore macrofaunal community: the special case of Lido di Dante (Northern Adriatic Sea). *Hydrobiologia* 586, 277–290.
- Bin, O., T. Crawford, J. Kruse, and C. Landry. 2006. "Viewscales and Flood Hazard: Coastal Housing Market Response to Amenities and Risk." Working Paper. East Carolina University.



- Bin, P., Dumas, C. F., Poulter, B., and Whitehead, J. 2007. *Measuring the Impacts of Climate Change on North Carolina Coastal Resources*. Washington, DC: National Commission on Energy Policy.
- Bin, Okmyung, Landry, Craig E.; Ellis, Christopher L., Vogel song, Hans. 2005. Some Consumer Surplus Estimates for North Carolina Beaches. *Marine Resource Economics* 20(2): 145-61.
- Bin, O., and J.B. Kruse. 2006. "Real Estate Market Response to Coastal Flood Hazards." *Natural Hazards Review* 7(4): 137-44.
- Bin, O. and S. Polasky. Effects of Flood Hazards on Property Values: Evidence Before and After Hurricane Floyd. *Land Economics* 80(2004): 490-500.
- Bishop, M.J., Peterson, C.H., Summerson, H.C., Lenihan, H.S., Grabowski, J.H., 2006. Deposition and long-shore transport of dredge spoils to nourish beaches: impacts on benthic infauna of an Ebb-Tidal Delta. *Journal of Coastal Research* 22, 530–546.
- Blanton, J. O., F.E. Werner, A. Kapolnai, B.O. Blanton, D. Knott, and E.L. Wenner. 1999. Wind-generated transport of fictitious passive larvae into shallow tidal estuaries. *Fisheries Oceanography* 8(2): 210-223.
- Bodge, K. R. 2003. Design Aspects of Groins and Jetties. In: *Advances in coastal structure design*. Ed. R. Mohan, O. Magoon, and M. Pirrello. American Society of Civil Engineers (ASCE). Reston, VA. ISBN 0-7844-0689-8. Pp. 181-199.
- Boss, K. Stephen, Charles W. Hoffman, and Stanley R. Riggs. 1999. Interpretation Of Side-Scan Sonar Records Of A Portion Of The Inner North Carolina Continental Shelf Between Oregon Inlet And Kitty Hawk. Final Contract Report to Minerals Management Service under Cooperative Agreement 14-12-0001-30348. January 1999.
- Bowman, M.L., and R. Dolan. 1985. The Relationship of *Emerita talpoida* to Beach Characteristics. *Journal of Coastal Research*. 1(2):151-163.
- Bowker, J.M. 2006. Wilderness and Primitive Area Recreation Participation and Consumption: An Examination of Demographic and Spatial Factors. *Journal of Agricultural and Applied Economics*. 38(2):317-326.
- Brander, L.M., R.J.G.M. Florax and J.E. Vermaat. 2006. The Empirics of Wetland Valuation: A Comprehensive Summary and a Meta-Analysis of the Literature. *Environmental and Resource Economics*. 33(2):223-250.



- Brown, S., C. Hickey, B. Harrington, and R. Gill, eds. 2001. The U.S. Shorebird Conservation Plan, 2nd ed. Manomet Center for Conservation Sciences, Manomet, MA.
- Bullock, L.H, M.F. Godcharles, and R.E. Crabtree. 1996. Reproduction of yellowedge grouper, *Epinephelus flavolimbatus*, from the eastern Gulf of Mexico. Bull. Mar. Sci. 59(1): 216-224.
- Burger, J., M. A. Howe, D. C. Hahn, and J. Chase. 1977. Effects of tide cycles on habitat partitioning by migrating shorebirds. Auk 94: 743-758.
- Burlas, M, G.L. Ray, and D.G. Clarke. 2001. The New York District's biological monitoring program for the Atlantic coast of New Jersey, Asbury Park to Manasquan Section beach erosion control project. Final report. US Army Engineer District, New York, and US Army Engineer Research and Development Center, Waterways Experiment Station, Vicksburg, MS. Available at www.nan.usace.army.mil/business/prjlinks/coastal/Asbury/index.htm.
- Burton, N. H. K., P. R. Evans, and M. A. Robinson. 1996. Effects on shorebird numbers of disturbance, the loss of a roost site and its replacement by an artificial island at Hartlepool, Cleveland. Biological Conservation 77: 193-201.
- Byrnes, M.R. and Hiland, M.W. 1995. Large-scale sediment transport patterns of the continental shelf and influence on shoreline response: St. Andrew Sound, Georgia to Nassau Sound, Florida, USA, Marine Geology, 126, Elsevier Science, B.V., Amsterdam, The Netherlands, pp 19-43.
- Camfield, F. E. and C. M. Holmes. 1995. Monitoring completed coastal projects. Journal of Performance of Constructed Facilities 9: 169-171.
- Captiva Erosion Prevention District (CEPD). 1995. Environmental Assessment and Design Memorandum for the First Renourishment Project, Captiva Island Segment. Lee County, Florida. Beach Erosion Control Project.
- Captiva Erosion Prevention District. 2002. Joint Coastal Permit Application for the Captiva and Sanibel Islands Renourishment Project. Submitted to the Florida Department of Environmental Protection.
- Carlson, J.K., J. Osborne, and T.W. Schmidt. 2007. Monitoring the recovery of Smalltooth sawfish, *Pristis pectinata*, using standardized relative indices of abundance. Biological Conservation, 136(2), 195-202.



- Carraway, R. J. and L.J. Priddy. 1983. Mapping of submerged grass beds in Core and Bogue Sounds, Carteret County, North Carolina, by conventional aerial photography. CEIP Report No. 20, 88p.
- Carter, A. 2008. Town of Emerald Isle, North Carolina Bogue Inlet Channel Erosion Response Project. Final Summary of Infaunal Macroinvertebrate Sampling Events. Boca Raton, Florida: Coastal Planning & Engineering, Inc. 28p. Prepared for the Town of Emerald Isle, North Carolina.
- Carteret County Shore Protection Office. 2002. Draft Sand Management Plan for the Morehead City Harbor Federal Navigation Project. Carteret County, North Carolina.
- Charlier, R.H., M.C.P. Chaineux, and S. Morcos. 2005. Panorama of the history of coastal protection. *Journal of Coastal Research* 21, 79–111.
- Child, C.A. 1992. Shallow water Pycnogonida of the Gulf of Mexico. *Mem. Hourglass Cruises* 9(1): 86 pp.
- Churchill, J. H., F.E. Werner, R. Luetlich, and J.O. Blanton. 1997. Flood tide circulation near Beaufort Inlet, NC: implications for larval recruitment. *Estuaries* 22 (in press).
- Churchill, J. H., R.B. Forward, R.A. Luetlich, J.J. Hench, W.F. Hettler, L.B. Crowder, and J.O. Blanton. 1999. Circulation and larval fish transport within a tidally dominated estuary. *Fisheries Oceanography*. 8 (Suppl. 2): 173-189.
- Clark B.M., B.A. Bennett, and S.J. Lamberth. 1996. Factors affecting spatial variability in seine net catches of fish in the surf zone of False Bay, South Africa. *Marine Ecology Progress Series* 131: 17–34
- Clark, J. 1974. Coastal ecosystems, ecological considerations for management of the coastal zone. The Conservation Foundation, Washington D.C.
- Cleary, W.J. 1996. Inlet induced shoreline changes: Cape Lookout-Cape Fear: Carolina Geological Society Fieldtrip Guidebook, p. 49-59.
- Cleary, W.J., 2009, North Carolina's Tidal Inlets and Terminal Groins: Facts and Fiction, Zullo Seminar Series, Dept of Geography and Geology, University of North Carolina, Wilmington.
- Coastal Engineering Research Center (CERC). 1980. Biological effects of a rubble-mound structure on the California coast. Technical Note CETN-V-6. Waterways Experiment Station, Vicksburg, Mississippi. 2pp.



- CERC. 1981. Groins – their Applications and Limitations. CETN-III-10, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- CERC. 1984. Biological Effects of Jetty Construction on Coastal Marine Communities. CETN-V-18, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.
- Coastal Planning & Engineering, Inc. (CPE). 1992. Blind Pass Inlet Management Plan, Pinellas County, Florida, 68 p.
- CPE. 1993. Redfish Pass Inlet Management Plan. Submitted to Captiva Erosion Prevention District.
- CPE. 1995. Environmental Assessment for the Design Memorandum for the First Renourishment Beach Erosion Control Project, Captiva Island Segment. Lee County, Florida.
- CPE. 2008. Biological Assessment, Section 7 Consultation Endangered Species Act. Breakers Hotel T-Groin Reconditioning Project. Prepared for NOAA National Marine Fisheries Service, St. Petersburg, FL. and USACE, Palm Beach Gardens Regulatory Branch, West Palm Beach, FL.
- CPE. 2009. Final Supplemental Environmental Impact Statement for the Topsail Beach Interim Beach Fill Project. Prepared for the US Army Corps of Engineers.
- Coastal Zone Resources, Inc. (CZR). 1991. Indian Shores beach nourishment project side-scan mosaic and biological report. Prepared for Pinellas County Board of County Commissioners, Clearwater, FL.
- Cohen, J.B., S.M. Karpanty, D.H. Catlin, J.D. Fraser, and R.A. Fischer. 2008. Winter Ecology of Piping Plovers at Oregon Inlet, North Carolina. *Waterbirds* 31(3): 472-479
- Conaway, C.A. 2000. Aeolian dynamics and erosion mitigation at mechanically modified shorelines: Bogue Banks, NC. Unpublished Master's Thesis, Department of Marine Sciences, University of North Carolina at Chapel Hill. 175 p.
- Continental Shelf Associates, Inc. 1987. Southwest Florida Shelf Regional Biological Communities Survey, Year 3 Final Report. Vol. I, Executive Summary. A final report for the U.S. Department of the Interior, Minerals Management Service Gulf of Mexico OCS Region, New Orleans, LA. Contract No. 14-12-0001-29036. 49 pp.



- Continental Shelf Associates, Inc. 1993. A Brief Environmental Analysis of a Potential and Borrow Area offshore of Amelia Island, FL. Continental Shelf Associates, Inc., Jupiter, Florida.
- Culter, J.K. and S. Mahadevan. 1982. Long-term effects of beach nourishment on the benthic fauna of Panama City Beach, Florida. Mote Marine Laboratory. Sarasota, Florida.
- Davis, R.A., Jr., and J.C. Gibeaut. 1990. Historical Morphodynamics of Inlets in Florida: Models for Coastal Zone Planning, Florida Sea Grant College, Technical Paper 55, p. 20, 29-35. 81.
- Davis, P., B. Howard, S. Derheimer. 2002. Effects of T-Head Groins on Reproductive Success of Sea Turtles in Ocean Ridge, Florida: Preliminary Results. Proceedings of the Twentieth Annual Symposium on Sea Turtle Biology and Conservation. NOAA Technical Memorandum NMFS-SEFSC-477. 369 pp.; 2002, p. 327-329
- Dean, C. 1999. Against the tide. Columbia University Press, New York, USA.
- Dean, R.G. 1993. Terminal Structures at Ends of Littoral Systems. Journal of Coastal Research. Special Issue 18. Pp. 195-210.
- Defeo, O. and A. McLaclan, et al. 2009. Threats to sandy beach ecosystems: A review. Estuarine, Coastal and Shelf Science. 81(1). Pp. 12.
- Dennis, W. and H. Miller. 1993. Shoreline Response: Oregon Inlet Terminal Groin Construction. Proceedings of the Hilton Head Island South Carolina USA International Coastal Symposium. June 6-9, 1993.
- Dial Cordy and Associates Inc. (DC&A). 2001a. Environmental Assessment South Amelia Island Beach Stabilization Project. Phase I – Beach Nourishment. Jacksonville, Florida.
- DC&A. 2001b. Marine Biological Survey Pinellas County Shore Protection Project Comprehensive Borrow Area Study. Prepared for U. S. Army Corps of Engineers, Jacksonville District, Jacksonville FL. 51 pp.
- DC&A. 2002. Marine Biological Survey. Pinellas County Shore Protection Project. Comprehensive Borrow Area Study. Prepared for the US Army Corps of Engineers – Jacksonville District.



- DC&A. 2003. Environmental Assessment of the South Amelia Island Beach Stabilization Project. Phase II – Structural Stabilization (USACOE 2001103870 IP-BL) (JCP – TBD) (FDEP 0187721-002-JC). Prepared for Olsen Associates, Inc.
- DC&A. 2009. Draft Environmental Assessment, Beach Restoration Project for Treasure Island and Long Key, Pinellas County, Florida. Prepared for the US Army Corps of Engineers – Jacksonville District.
- Dias, M. P., J. P. Granadiero, M. Lecoq, C. D. Santos, and J. M. Palmierim. 2006. Distance to high-tide roosts constrains the use of foraging areas by dunlins: implications for the management of estuarine wetlands. *Biological Conservation* 131: 446-452.
- Diaz, H. 1980. The mole crab *Emerita talpoida* (say): A case study of changing life history pattern: *Ecological Monographs* 50(4):437-456.
- Dinsmore, S. J., J. A. Collazo, and J. R. Walters. 1998. Seasonal numbers and distribution of shorebirds on North Carolina's Outer Banks. *Wilson Bulletin* 110:171–181.
- North Carolina Division of Marine Fisheries (DMF). 2000. Red drum fishery management plan. DMF, Morehead City, NC, 106p.
- Dolan, R., et al., 2004. Analysis of Changes in the Beach Sediment and Beach-face Organisms Associated with Sand Bypassing from the Oregon Inlet to Pea Island, North Carolina, 1990 to 2002. Unpublished Technical Report: Coastal Research Associates, 71 pp.
- Dolan, R. et.al. 1994. Progress Report: Pea Island Beach Nourishment Project and Extension for Additional Sampling and Analysis. Prepared for USFWS, Pea Island National Wildlife PINWR. Manteo, North Carolina. September 1994.
- Dolan, R. et.al. 1999. Review of the Beach Nourishment Plan for Dare County, North Carolina. Submitted to the USFWS. Raleigh, North Carolina. June 1999.
- Dolan, R., et.al. 2001a. Draft Final Report: Summary of Results of the 2000-2001 Monitoring Program of Hopper Dredge Disposal, Oregon Inlet and Pea Island, North Carolina and Coordination and Review of the NCDOT/NC State Oregon Inlet Groin Monitoring Project. Prepared for USFWS, Pea Island National Wildlife PINWR. Manteo, North Carolina. September 2001.



- Dolan, R., et.al. 2001b. The US Fish and Wildlife Service's Monitoring Program Oregon Inlet and Pea Island. Summary of Results of Dredging and Sand Bypassing. Prepared for USFWS, Pea Island National Wildlife PINWR. Manteo, North Carolina. October 2001.
- Donnelly, C., N. Kraus and M. Larson. 2006. State of knowledge on measurement and modeling of coastal overwash. *Journal of Coastal Research* 22(4): 965-991.
- Donoghue, C. R. 1999. The influence of swash processes on *Donax variabilis* and *Emerita talpoida*. PhD. Dissertation, Univ. of Virginia. Department of Environmental Sciences. 197 p.
- Dorfman, J.H., Keeler, A.G., and W. Kriesel. 1996. "Valuing risk-reducing interventions with hedonic models: the case of erosion protection." *Journal of Agricultural and Resource Economics*. 21(1): 109-119.
- Douglass, N.J., and L.M. Coburn. 2002. Survey of breeding American oystercatcher (*Haematopus palliatus*) populations in Florida. Final Performance Report. Tallahassee, FL: Florida Fish and Wildlife Conservation Commission.
- Drake, K. R., J. E. Thompson, and K. L. Drake. 2001. Movement, habitat use, and survival of nonbreeding Piping Plovers. *Condor* 103: 259-267.
- Dugan, J.E. and D.M. Hubbard. 2006. Ecological responses to coastal armoring on exposed sandy beaches. *Shore and Beach* 74, 10-16.
- Dugan, J.E., D.M. Hubbard, I. Rodil, D.L. Revell, and S. Schroeter. 2008. Ecological effects of coastal armoring on sandy beaches. *Marine Ecology* 29, 160-170.
- Earnhart, D. 2001. Combining Revealed and Stated Preference Methods to Value Environmental Amenities at Residential Locations. *Land Economics* 77: 12-29.
- Ecological Associates Inc. 1999. Martin County beach nourishment project sea turtle monitoring and studies. 1997 annual report and final assessment. Jensen Beach, Florida.
- Edgren, R.A. 1959. Coquinas (*Donax variabilis*) on a Florida beach. *Ecology* 40:498-502.
- Elko, N.A. and Davis, R. A. Jr., 2000. Sediment budget for Treasure Island, Pinellas County, Florida. Tampa, FL: University of South Florida, Coastal Research Laboratory, 40p.



- Environmental Protection Agency (EPA). 1981. Marine sampling and measurement program off northern Pinellas County, Florida. A Technical Report, S. Mahadevan, ed. Vol. 1: 306 pp.
- EPA & USACE, 1996, Site Management and Monitoring Plan. Wilmington District, Wilmington, NC, 31 p.
- Epperly, S. P., and S. W. Ross. 1986. Characterization of the North Carolina Pamlico-Albemarle Complex. Technical Memorandum. NMFS-SEFC-175. NOAA. Beaufort, North Carolina.
- Evermann, B.W., and B.A. Bean. 1898. Indian River and its fishes. Report of United States Fisheries Commission 1896:227-248.
- Farber, S.C. 1987. The Value of Coastal Wetlands for Protection of Property against Hurricane Wind Damage. Journal of Environmental Economics and Management. 14(2):143-151.
- Ferguson, R. L., G. W. Thayer, and T. R. Rice. 1981. "Marine Primary Producers," Functional Adaptations of Marine Organisms. Edited by: F. J. Vernberg and W. B. Vernberg. Academic Press, New York, New York. pp. 9-63.
- Ferland, C.L., and S.M. Haig. 2002. 2001 International Piping Plover Census. Corvallis, OR: U.S. Geological Survey, Forest and Rangeland Ecosystem Science Center.
- Fisher, J.S., Overton, M.F., and Jarrett, T. 2004. Pea Island Shoreline: 100-Year Assessment. FDH Engineering, Inc. for NC DOT, 18 p.
- FitzGerald, D.M., 1988, Shoreline erosional-depositional processes associated with tidal inlets, in: Aubrey, D.G., and Weishar, L. (eds.), Hydrodynamics and Sediment Dynamics of Tidal Inlets, Springer-Verlag, New York, 269-283.
- Florida Department of Environmental Protection – Division of Recreation and Parks (FDEP). 2005. Cayo Costa State Park. Approved Unit Management Plan.
- FDEP. 2006. About the Boca Ciega Bay and Pinellas County Aquatic Preserves. <http://www.dep.state.fl.us/coastal/sites/bocaciega-pinellas/info.htm>. Last updated 13 April 2006.
- FDEP. Bureau of Beaches and Coastal Systems. 2008. State of Florida Strategic Beach Management Plan.



- FDEP. 2009. About Florida's Aquatic Preserves. <http://www.dep.state.fl.us/coastal/programs/aquatic.htm>. Last updated 27 April 2009.
- Florida Game and Freshwater Fish Commission. 1997. Florida's Endangered Species, Threatened Species and Species of Special Concern. Florida Game and Freshwater Fish Commission. 15 pp.
- Florida Fish and Wildlife Conservation Commission. 2004. Florida's Endangered Species, Threatened Species, and Species of Special Concern. 6 pp.
- Florida Marine Research Institute (FMRI). 2000. Statewide Nesting Survey Data Base.
- Florida Department of Environmental Protection, 2008, Strategic Beach Management Plan for the Southwest Gulf Coast Region. Tallahassee, FL. 54 p.
- Flournoy, P.H., S.G. Rogers, and P.S. Crawford. 1992. Restoration of shortnose sturgeon in the Altamaha River, Georgia. Final Report to the U.S. Fish and Wildlife Service, Atlanta, Georgia.
- Fonseca, M. S., W. J. Kenworthy, J. Homziak, and G. W. Thayer. 1979. "Transplanting of Eelgrass and Shoalgrass as a Potential Means of Economically Mitigating a Recent Loss Bonner Bridge Replacement FEIS F- 8 NCDOT TIP Project Number B-2500 of Habitat," Proceedings of the 6th Annual Conference on Wetlands Restoration and Creation. Edited by D. P. Cole. Hillsborough College, Tampa, Florida. pp. 279-326.
- Foote, J.J. 2003. Gasparilla Island Beach Nourishment Project: Hatchling Marine Turtle Interaction with Erosion Control Structure Study. Mote Marine Laboratory.
- Fort Macon State Park. 2000. Park Profile – Park Purpose Statement. Accessed 16 December 2009 at <http://www.ncparks.gov/About/plans/systemwide/docs/foma.pdf>.
- Fraser, J.D., S.E. Keane, and P.A. Buckley. 2005. Prenesting use of intertidal habitats by piping plovers on South Monomoy Island, Massachusetts. *Journal of Wildlife Management* 69(4): 1731-1736.
- Fussell, J.O., III. 1985. Finding Birds in Carteret County. 96 p.
- Garcia-Rodriguez, A.I., B.W. Bowen, D. Domning, A.A. Mignucci-Giannoni, M. Marmontel, R.A. Montoya-Ospina, B. Morales-Vela, M. Rudin, R.K. Bonde, and P.M. McGuire. 1998. Phylogeography of the West Indian manatee (*Trichechus manatus*): how many populations and how many taxa? *Molecular Ecology* 7(9), 1137–1149.



- Georgia Department of Natural Resources. 1999. Protected Animals of Georgia. Georgia Department of Natural Resources, Wildlife Resources Division, Nongame Wildlife Natural Heritage Section. 247 pp.
- Gilmore, R.G., L.H. Bullock, and F.H. Berry. 1978. Hypothermal mortality in marine fishes of south-central Florida January 1977. *Northeast Gulf Science* 2(2): 77-97.
- Golder, W. 2010. Personal communication. Deputy Director, Audubon North Carolina. Wilmington, NC. February 23, 2010.
- Gore, J. A., J. A. Hovis, G. L. Sprandel, and N. J. Douglass. 2007. Distribution and abundance of breeding seabirds along the coast of Florida, 1998 – 2000. Final Performance Report. Tallahassee, FL: Florida Fish and Wildlife Conservation.
- Goss-Custard, J. D., R. T. Clarke, S. E. A. Le V. Dit Durell, R. W. G. Caldow, and B. J. Ens. 1996. Population consequences of winter habitat loss in a migratory shorebird. II. Model predictions. *Journal of Applied Ecology* 32: 337-351.
- Grabe, S.A. 1998. Overview of Boca Ciega Bay Benthos: 1997. Environmental Protection Commission of Hillsborough County, Tampa, FL.
- Greenwood, J.B., and C.G. Vick. 2008. Economic Contributions of Visitors to Selected North Carolina State Parks. Prepared by: North Carolina State University. Prepared for: Division of Parks and Recreation, N.C. Department of Environment and Natural Resources. Raleigh, NC. May 2008.
- Griggs, G.B. 2005a. California's retreating coastline: where do we go from here? In: Magoon, O.T., Converse, H., Baird, B., Miller-Henson, M. (Eds.), *California and the World Ocean. 1997 Conference Proceedings*, American Society of Civil Engineering, pp. 121–125.
- Griggs, G.B. 2005b. The impacts of coastal armoring. *Shore and Beach* 73 (1), 13–22.
- Grober, L.E. 1992. The Ecological Effects of Beach Replenishment. Master's thesis, Duke University, Durham, NC, 88 p.
- Gulf of Mexico Fishery Management Council. 1998. Generic Amendment for Addressing Essential Fish Habitat Requirements of the Gulf of Mexico. 237 pp.
- Hackney C.T., M.H. Posey, S.W. Ross, and A.R. Norris. 1996. A review and synthesis of data on surf zone fishes and invertebrates in the South Atlantic Bight and the potential effects from beach nourishment. Contract Report to the US Army Engineer Wilmington District, Wilmington, NC.



- Hall, W. 2000a. Archeological Diver Identification and Evaluation of Seven Potentially Significant Submerged Targets in the John's Pass Navigation Channel, Pinellas County, Florida. A Report Prepared for US Army Corps of Engineers, Jacksonville District by Mid-Atlantic Technology and Environmental Research, Inc., Castle Hayne, North Carolina.
- Hall, W. 2000b. Archaeological Diver Identification and Evaluation of Five Potentially Significant Submerged Targets in the Blind Pass Borrow Area, Pinellas County, Florida. A Report Prepared for US Army Corps of Engineers, Jacksonville District by Mid-Atlantic Technology and Environmental Research, Inc., Castle Hayne, North Carolina.
- Hall, W.J., T.I.J. Smith, and S.D. Lamprecht. 1991. Movements and habitats of shortnose sturgeon *Acipenser brevirostrum* in the Savannah River. *Copeia* (3):695-702.
- Hare, J.O., J.A. Quinlan, F.E. Werner, B.O. Blanton, J.J. Govini, R.B. Forward, L.R. Settle, and D.E. Hoss. 1999. Larval transport during winter in the SABRE study area: results of a coupled vertical larval behavior-three-dimensional circulation model. *Fisheries Oceanography*. 8(2): 57-76.
- Harrington, B. R. 2008. Coastal inlets as strategic habitat for shorebirds in the southeastern United States. DOER Technical Notes Collection. ERDC TN-DOER-E25. Vicksburg, MS: U.S. Army Engineer Research and Development Center. <http://el.erd.c.usace.army.mil/dots/doer/>.
- Hay, M.E., and J.P. Sutherland. 1988. The ecology of rubble structures of the South Atlantic Bight: a community profile. U.S. Fish Wildlife Service Biological Report 85(7.20). 67 pp.
- Hays, G.C., J.S. Ashworth, M.J. Barnsley, A.C. Broderick, D.R. Emery, B.J. Godley, A. Henwood, and E.L. Jones. 2001. The importance of sand albedo for the thermal conditions on sea turtle nesting beaches. *Oikos* 93: 87-94.
- Heidt, A.R., and R.J. Gilbert. 1979. Movements of shortnose sturgeon, *Acipenser brevirostrum*, in the Altamaha River, Georgia. *ASB Bulletin* 26.
- Herbich, John B. 2000. Handbook of Coastal Engineering. McGraw-Hill, New York.
- Herren, R.H. 1999. The effect of beach nourishment on loggerhead (*Caretta caretta*) nesting and reproductive success at Sebastian Inlet, Florida. M.S. thesis, University of Central Florida. Orlando, Florida.



- Herstine, Jim, Jeffery Hill, Bob Buerger, John Whitehead and Carla Isom, "Determination of Recreation Demand for Federal Shore Protection Study Area: Overview and Methodology," Final Report Prepared for U.S. Army Corps of Engineers, Wilmington District, 2005.
- Hettler, W. F. J. and D.L. Barker. 1993. Distribution and abundance of larval fish at two North Carolina inlets. *Estuarine, Coastal, and Shelf Sciences* 37: 161-179.
- Hodgson, A.B., A.F. Paul, and M. Rachal. 2009. Monitoring Important Bird Colonies; Pinellas County and Tampa Bay, Florida; Pinellas County Environmental Fund and National Fish and Wildlife Foundation Final Report December 1, 2006 - November 30, 2008. Audubon of Florida, Florida Coastal Islands Sanctuaries Program, Tampa, Florida. Report submitted to the National Fish and Wildlife Foundation.
- Holloman, K. T. and M. H. Godfrey. 2006. 2005 Sea Turtle Monitoring Project Report. Bogue Banks, North Carolina. Submitted by the NC Wildlife Resources Commission.
- Homziak, J., M. S. Fonseca, and W. J. Kenworthy. 1982. "Macrobenthic Community Structure in a Transplanted Eelgrass (*Zostera marina*) (L). Meadow," *Marine Ecology Program Series*, 9: 211-221.
- Humphrey, S.R. 1992. Rare and Endangered Biota of Florida, Volume I. Mammals: 190-198.
- Hunter, W.C., W. Golder, S. Melvin and J. Wheeler. 2006. Southeast United States Regional Waterbird Conservation Plan. Atlanta, GA
- Jaramillo, E., H. Contreras, and A. Bollinger. 2002. Beach and faunal response to the construction of a seawall in a sandy beach of south central Chile. *Journal of Coastal Research* 18, 523-529.
- Jarrett, T. 2007. North Carolina should study use of terminal groins. White paper. Submitted to: Save Our Sand: The Inlet Solution. <http://inletsolutions.org/WhatTheExpertsSay/tabid/56/Default.aspx>.
- Jarrett, T. 2008. Research indicates terminal groins can be effective. White paper. Submitted to: Save Our Sand: The Inlet Solution. <http://inletsolutions.org/WhatTheExpertsSay/tabid/56/Default.aspx>.
- Johnson, C. M. and G. A. Baldassarre. 1988. Aspects of the wintering ecology of Piping Plovers in coastal Alabama. *Wilson Bulletin* 100: 214-233.



- Joyner, B. P., M.F. Overton, and J. S. Fisher. 1998. Post-Stabilization Morphology of Oregon Inlet, NC. International Conference of Coastal Engineering 1998 Conference Proceedings.
- Jutte, P.C., R.F. Van Dolah, and M.V. Levisen. 1999. An environmental monitoring study of the Myrtle Beach Renourishment Project: intertidal benthic community assessment of Phase II, Myrtle Beach. Supplemental Report. Prepared for US Army Corps of Engineers, Charleston District. Marine Resources Division, South Carolina Department of Natural Resources, Charleston, SC.
- Kapolnai, A., R.E. Werner, and J.O. Blanton. 1996. Circulation, mixing, and exchange processes in the vicinity of tidal inlets. *Journal of Geophysical Research* 101(14): 253-268.
- Kenworthy, W. J., G. W. Thayer, and M. S. Fonseca. 1988. "The Utilization of Seagrass Meadows by Fishery Organisms," *The Ecology and Management of Wetlands Vol. I, Ecology of Wetlands*. Edited by D. D. Hook, W. H. McKee, Jr., H. K. Smith, J. Gregory, V. G. Burrell, Jr., M. R. DeVoe, R. E. Sojka, S. Gilbert, R. Banks, L. H. Stukey, C., Brooks, T. D. Matthews, and T. H. Shear. Timber Press, Oregon.
- Kieffer, M., and B. Kynard. 1993. Annual movements of shortnose and Atlantic sturgeons in the Merrimack River, Massachusetts. *Transactions of the American Fisheries Society* 122:1088-1103.
- Kikukawa, A., N. Kamezaki, and H. Ota. 1999. Factors Affecting Nesting Beach Selection by Loggerhead Turtles (*Caretta caretta*): A Multiple Regression Approach. *Journal of Zoology*, 249 (4): 447-454.
- Kraus, N.C., M. Larson, and R.A. Wise. 1998. Coastal Engineering Technical Note: Depth of Closure in Beach-fill Design. USACE.
- Kriesel, W., A. Randall, and F. Lichtkoppler. 1993. Estimating the Benefits of Shore Erosion Protection in Ohio's Lake Erie Housing Market. *Water Resources Journal* 29(4):795-801.
- Krock, J.R., 2005, Historical Morphodynamics of John's Pass, West-Central Florida, unpub. Masters Thesis, University of South Florida, 98 p.
- Knott, D.M., Van Dolah, R.F., and Calder, D.R. 1984. Ecological effects of rubble weir jetty construction at Murrells Inlet, South Carolina Volume II: Changes in macrobenthic communities of sandy beach and nearshore environments. US Army Corps of Engineers Technical Report EL-84-4. 46 pp.



- Kushlan, J.A., et al. 2002. Waterbird Conservation for the Americas: The North American Waterbird Conservation Plan, Version 1. Waterbird Conservation for the Americas, Washington, DC, U.S.A., 78 pp.
- Lach, C. 2001. Colonial Waterbird Nesting Reports. Unpublished Data, Talbot Islands State Park, Florida.
- Lamonte, K. M., N. J. Douglass, J. G. Himes, and G. E. Wallace. 2006. Status and distribution of the Snowy Plover in Florida. 2002 Study Final Report. Tallahassee, FL: Florida Fish and Wildlife Conservation Commission.
- LaSalle M.W., D. G. Clarke, J. Homziak, J.D. Lunz, and T.J. Fredette. 1991. A framework for assessing the need for seasonal restrictions on dredging and disposal operations. Technical Report D-91-1. US Army Engineer Waterways Experiment Station, Vicksburg, MS.
- Lasiak, T.A. 1984. Structural aspects of the surf-zone fish assemblage at King's Beach, Algoa Bay, South Africa: long-term fluctuations. *Estuarine and Coastal Shelf Science* 18:459-483.
- Landry, C.E., A.G. Keeler, and W. Kriesel. 2003. An Economic Evaluation of Beach Erosion Management Alternatives. *Marine Resource Economics* 18: 105-27.
- Layman, C.A. 2000. Fish assemblage structure of the shallow ocean surf-zone on the eastern shore of Virginia barrier islands. *Estuarine and Coastal Shelf Science* 51:201-213.
- Lazzari, MA, S. Sherman, C.S. Brown, J. King, B.J. Joule, S.B. Chenoweth, and R.W. Langton. 1999. Seasonal and annual variations in abundance and species composition of two nearshore fish communities in Maine. *Estuaries* 22:636-647
- Leatherman, S.P. 1982. Barrier island handbook. University of Maryland Press, College Park, USA.
- Lebuff, C. R. 1990. The Loggerhead Sea Turtle in the Eastern Gulf of Mexico. *Caretta Research Inc., Sanibel, FL.* Pp 185, 190.
- Lee County (Natural Resources Division). 2005. Lee County Artificial Reef Plan.
- Leonard, L.A., K.L. Dixon, and O.H. Pilkey. 1990. A Comparison of Beach Replenishment on the U.S. Atlantic, Pacific, and Gulf Coasts. *Journal of Coastal Research. Special Issue 6.* Pp 127-140.



- Lindquist, N., and L. Manning, 2001. Effects of Beach Nourishment and Beach Scraping on Critical Habitat and Productivity of Surf Fishes. Final Report to the NC Fisheries Resource Grant Program. 41 p. + appendices.
- Loflin, R.K. 2005. Sanibel Island Beach Nourishment Shorebird Management Plan. JCP Permit No. 0200269-001-JC (-003-EM).
- Loftin, R. W. 1978. The Bird Islands of Nassau Sound. Florida Wildlife 31(5):16-20.
- Lott, C.A., K.L. Volansky, and C.S. Ewell, Jr. 2009. Habitat Associations of Shoreline-Dependent Birds in Barrier Island Ecosystems during Fall Migration in Lee County, Florida. Final report prepared for U.S. Army Corps of Engineers. Washington, DC. September 2009.
- Lucas, L.L., B.E. Witherington, A.E. Mosier, and C.M. Koepfel. 2004. Mapping Marine Turtle Nesting Behavior and Beach Features to Assess the Response of Turtles to Coastal Armoring. Proceedings of the Twenty-First Annual Symposium on Sea Turtle Biology and Conservation. NOAA Technical Memorandum NMFS-SEFSC-528. 368 pp.; 2004, p. 32-34.
- Lyons, W.G., and Collard, S.B. 1974. Benthic invertebrate communities of the eastern Gulf of Mexico. In R.E. Smith, ed. Proceedings of marine environmental implications of offshore drilling in the eastern Gulf of Mexico. State Univ. Syst. FL. Inst. Oceanogr., St. Petersburg, FL. 157-166 pp.
- MacDonald, D., J. Murdoch, and H. White. 1987. Uncertain Hazards, Insurance and Consumer Choice: Evidence from Housing Markets. *Land Economics* 63: 361-71.
- MacDonald, D., H. White, P. Taube, and W. Huth. 1990. Flood Hazard Pricing and Insurance Premium Differentials: Evidence from the Housing Market. *Journal of Risk and Insurance* 57:654-63.
- Martin, D., F. Bertasi, M.A. Colangelo, M. de Vries, M. Frost, S.J. Hawkins, E. MacPherson, P.S. Moschella, M.P. Satta, R.C. Thompson, and V.U. Ceccherelli. 2005. Ecological impact of coastal defense structures on sediment and mobile fauna: evaluating and forecasting consequences of unavoidable modifications of native habitats. *Coastal Engineering* 52, 1027–1051.
- Mapstone, B. D. 1995. Scalable decision rules for environmental impact studies: effect size, type I, and type II errors. *Ecological Applications* 5:401-410.
- McMichael, R. H., Jr., and K. M. Peters. 1989. “Early Life History of Spotted Seatrout, *Cynoscion nebulosus* (Pisces: Sciaenidae) in Tampa Bay, Florida.” *Estuaries*, 12(2): 98-110.



- McRoy, C. P., and C. Helfferich. 1980. "Applicated Aspects of Seagrasses," Handbook of Seagrass Biology. Edited by R. C. Phillips and C. P. McRoy. Garland STPM Press, New York, New York.
- Mead, S. and K. Black. 2005. Balancing Coastal Protection with Social and Environmental Needs on Exposed Coasts. Keynote Address for the 3rd West Australian Coastal Conference.
- Mehta, A. J., Byrne, R. J. and DeAlteris, 1975. Hydraulic constants of tidal entrances III: Bed friction measurements at John's Pass and Blind Pass. University of Florida, Coastal and Oceanographic Engineering Laboratory, Technical Report no. 26, 78p.
- Mehta, A. J., Jones, C. P. and Adams, W. D., 1976. John's Pass and Blind Pass: Glossary of Inlets Report Number 4, Florida Sea Grant Program, 66p.
- Meylan, A., A. Redlow, A. Mosier, K. Moody, A. Foley. 1999. Occurrence and distribution of sea turtles in Tampa Bay, FL. In J.R. Pribble, A. J. Janicki, and H. Greening, eds. Baywide environmental monitoring report, 1993-1998, Tampa Bay, FL. Tampa Bay Estuary Program, Technical Publication 07-99. St. Petersburg, FL. Chapter 13, 13-1-13-15 pp.
- Miller, J. M. 1992. Larval fish migration at Oregon Inlet, North Carolina. Supplemental Reports to the Department of the Interior Consultant's Report. US Dept. of the Interior. USFWS 8: 27.
- Miller, J. M., and M. L. Dunn. 1980. "Feeding Strategies and Patterns of Movement in Juvenile Estuarine Fishes," Estuarine Perspectives. Edited by V. S. Kennedy. Academic Press, New York, New York.
- Milon, J., J. Gressel and D. Mulkey. 1984. Hedonic Amenity Valuation and Functional Form Specification. *Land Economics* 60: 378-87. Moe, M.A., and G.T. Martin. 1965. Fishes taken in monthly trawl samples offshore of Pinellas County, Florida, with new additions to the fish fauna of the Tampa Bay area. *Tulane Studies in Zoology*. 12(4): 129-151.
- Moser, M. L. and B. L. Taylor. 1995. Hardbottom habitat in North Carolina state waters: a survey of available data. Final Report to NC Division of Coastal Management. Unpub. doc., 20p.
- Mosier, A.E. 2000. What is Coastal Armoring and How Can it Affect Nesting Sea Turtles in Florida. Proceedings of the Nineteenth Annual Symposium on Sea Turtle Biology and Conservation. U.S. Dept. Commerce. NOAA Tech. Memo. NMFS-SEFSC-443. 291 pp.; 2000, p. 231.



- Moslow, T.F. and Heron, S.D. 1994. The Outer Banks of North Carolina: In Geology of Holocene Barrier Island Systems, Springer-Verlag, p. 47-74.
- Mrosovsky, N., S.R. Hopkins-Murphy, and J.I. Richardson. 1984. Sex ratio of sea turtles: seasonal changes. *Science* 225: 739-741.
- Mrosovsky, N. and J. Provancha. 1992. Sex ratio of hatchling loggerhead sea turtles: data and estimates from a 5-year study. *Canadian Journal of Zoology* 70: 530-538.
- Mulvihill, E.L., C.A. Francisco, J.B. Glad, K.B. Kaster, and R.E. Wilson. 1980. Biological impacts of minor shoreline structures on the coastal environment: State of the art review. US Fish and Wildlife Services, Biological Services Program. FWS/OBS – 77/51. 2 vol.
- Myers, R.L. and J.J. Ewel, eds. 1990. *Ecosystems of Florida*. University of Central Florida Press, Orlando, FL. 765 pp.
- Myers, S., N. Page, and A. Squires. 2000. Ambient Surface Water Quality Monitoring Report 1991-1997, Pinellas County, Florida. Pinellas County Department of Environmental Management, Clearwater, FL.
- NMFS. 2003. Humpback Whale Stock Assessment. <http://www.nmfs.noaa.gov/pr/species/mammals/cetaceans/humpbackwhale.htm>. Site last visited 16 December 2009.
- NMFS. 2006. Recovery Plan for Smalltooth Sawfish (*Pristis pectinata*). Prepared by the Smalltooth Sawfish Recovery Team for the National Marine Fisheries Service, Silver Spring, Maryland.
- NMFS. 2009. Gulf sturgeon protected species description. <http://www.nmfs.noaa.gov/pr/species/fish/gulfsturgeon.htm>. Accessed 9 December 2009.
- NMFS and U.S. Fish and Wildlife Service. 2008. Recovery Plan for the Northwest Atlantic Population of the Loggerhead Sea Turtle (*Caretta caretta*), Second Revision. National Marine Fisheries Service, Silver Spring, MD.
- National Oceanic and Atmospheric Administration National Ocean Service (NOAA). 2008. Environmental Sensitivity Index Mapping.
- National Oceanic and Atmospheric Administration Coastal Services Center. Beach Nourishment: A Guide for Local Officials. Accessed 6 December 2009. Available on-line at: <http://www.csc.noaa.gov/beachnourishment/html/geo/shorelin.htm>.



- National Park Service (NPS). 1984. General Management Plan and Amended Environmental Assessment for Cape Hatteras National Seashore. US Department of Interior, Manteo, North Carolina.
- NPS. 1991. Draft Revised Statement for Management. US Department of the Interior, Manteo, North Carolina.
- NPS. 2009a. Cape Hatteras National Seashore Seabeach Amaranth Surveys 2009 Annual Report. US Department of the Interior, Manteo, North Carolina.
- NPS. 2009b. Cape Hatteras National Seashore Piping Plover Monitoring 2009 Annual Report. US Department of the Interior, Manteo, North Carolina.
- NPS. 2010a. Cape Hatteras National Seashore, Park Statistics. U.S. Department of Interior, National Park Service. Available: <http://www.nps.gov/caha/parkmgmt/statistics.htm>
- NPS. 2010b. Comments on Working Draft Report, Terminal Groin Study, dated February 1, 2010. U.S. Department of Interior, National Park Service, Southeast Regional Office, Atlanta, GA.
- NPS. 2010c. Cape Lookout National Seashore, Park Statistics. U.S. Department of Interior, National Park Service. Available: <http://www.nps.gov/caloparkmgmt/statistics.htm>
- NPS. 2010d. Cape Lookout National Seashore, Horses of Shackleford Banks. Brochure. U.S. Department of Interior, National Park Service. Available: <http://www.nps.gov/caloparkmgmt/index.htm>
- Nelson, B. D., and S.A. Bortone. 1996. Feeding guilds among artificial-reef fishes in the northern Gulf of Mexico. *Gulf of Mexico Science*. 1996(2): 66-80.
- Nelson, D.A., and D.D. Dickerson. 1988. Effects of beach nourishment on sea turtles. Proc. Of the Beach Preservation Technology Conference '88. Florida Shore and Beach Preservation Association, Inc. Tallahassee, Florida. pp 285-293.
- Nelson, W.G. 1993. Beach restoration in the southeastern US: environmental effects and biological monitoring. *Ocean Coast Manage* 19:157-182.
- Nicholls, J. L. and G. A. Baldassarre. 1990. Habitat selection and interspecific associations of Piping Plovers along the Atlantic and Gulf Coasts of the United States. *Wilson Bulletin* 102: 581-590.
- Noble, E. B., and R. J. Monroe. 1990. Classification of Pamlico Sound Nursery Areas: Recommendations for Critical Habitat, Albemarle-Pamlico Estuarine Study.



- Nordstrom, K. F. 2000. Beaches and dunes of developed coasts. University Press, Cambridge, United Kingdom.
- North Carolina Department of Revenue (NCDR). 2009a. Effective Tax Rates for North Carolina Counties and Municipalities, Fiscal Year 2007-2008. North Carolina Department of Revenue. Raleigh, NC. Available: http://www.dornc.com/publications/effective_rates.html
- NCDR. 2009b. Taxable Real Property by County, Fiscal Year 2007-2008. North Carolina Department of Revenue. Raleigh, NC. Available: http://www.dornc.com/publications/taxable_real_property.html
- North Carolina Department of Transportation, Division of Highways (NCDOT). 1989. Environmental Assessment and Finding of No Significant Effect – Construction of a Terminal Groin and Revetment at Pea Island for the Protection of the Herbert C. Bonner Bridge and North Carolina Highway 12. Dare County, North Carolina.
- NCDOT. 2008. NC 12 Replacement of Herbert C. Bonner Bridge Final Environmental Effect Statement and Section 4(f) Evaluation. Volume 1.
- NCDOT 2008b. Final Environmental Impact Statement and Section 4(f) Evaluation. NC 12 Replacement of Herbert C. Bonner Bridge. US Department of Transportation, Federal Highway Administration, North Carolina Department of Transportation. FHWA-NC-EIS-93-01-F.
- NC Division of Coastal Management (NCDCM). 2006. Recommendations for Appropriate Shoreline Stabilization Methods for the Different North Carolina Estuarine Shoreline Types. Prepared by Bonnie M. Bendell. Prepared for the North Carolina Coastal Resources Commission Estuarine Shoreline Stabilization Subcommittee.
- NCDCM. 2009. CRC Science Panel on Coastal Hazards. September 29, 2009 Meeting Minutes. Available online at <http://dcm2.enr.state.nc.us/CRC/tgs/Sept%2029%202009%20Science%20Panel%20minutes.pdf>.
- North Carolina Division of Parks and Recreation (NCDPR). 2009. North Carolina Division of Parks and Recreation -- 2009 Annual Report. Division of Parks and Recreation, N.C. Department of Environment and Natural Resources. Raleigh, NC.
- North Carolina State Ports Authority (NCSPA). 2001. Final Environmental Effect Statement Administrative Action for the Port of Morehead City – Radio Island Expansion. Project No. A/E 159(m). ID No. 4696100052A.



- North Carolina Wildlife Resources Commission (NCWRC). 2009. Bogue Inlet Waterbird Monitoring and Management 2003-2008 Final Report.
- O'Brien, M. 1976. Notes on Tidal Inlets on Sandy Shores, Department of Army Corps of Engineers, GITI Report 7, 26 p.
- Oceanfront Communities: A Geological Perspective”, *Eds.* J.T. Kelley, O.H. Pilkey, and J.A.G. Cooper. Geological Society of America, Special Publication 460, p. 43-72.
- Olsen Associates, Inc. 1993. Nassau Sound Inlet Management Plan, DRAFT. Report submitted to Nassau County Soil and Water Conservation District. Jacksonville, Florida. 256 pp.
- Olsen Associates, Inc. 2000. South Amelia Island Shoreline Stabilization Study, Amelia Island, Florida. Report prepared for Nassau County Board of Commissioners. Jacksonville, Florida. 61 pp.
- Olsen Associates, Inc. 2001. South Amelia Island Shoreline Stabilization Project. Geotechnical Information, Abbreviated Version. Jacksonville, Florida. 35 pp.
- Olsen Associates, Inc. 2002. Joint Coastal Permit Application for Phase II of the South Amelia Island Shore Stabilization Project. Permit No. 0187721-001-JC.
- Olsen Associates, Inc. 2003. January 2, 2003 Letter to Florida Department of Environmental Protection Regarding JCP File No. 0187721-002-JC, Nassau County.
- Olsen Associates, Inc. 2008. South Amelia Island Shore Stabilization Project Monitoring Report. Phase I – Beach Restoration; Phase II – Structures. Prepared for Florida Park Service & SAISSA, Inc. Submitted to Bureau of Beaches & Coastal Systems, FDEP.
- Olsen Associates, Inc. 2006, Regional sand transport study: Morehead City Harbor Federal Navigation project, Jacksonville, Florida, 110 p.
- Olsen, E.J. and Bodge, K.R. (2006). “Application of Porous (“Leaky”) Rock Terminal Structures”, Proceedings of the 30th International Conference on Coastal Engineering, COPRI, American Society of Civil Engineers.
- Overton, M.F. June 2007. Shoreline Monitoring at Oregon Inlet terminal groin. Reports 28 to 31 in June 2007. Prepared for NC Dept. of Transportation, 15 p.
- Overton, M.F., and Fisher, J.S. June 2005. Bonner Bridge Replacement Parallel Bridge Corridor with NC12 Maintenance: Shoreline Change and Stabilization Analysis. For URS Corporation, Tip No. B-2500, Task Orders 18 and 20, 38 p.



- Overton, M.F., and Fisher, J.S. March 2005. Shoreline Monitoring at Oregon Inlet Terminal groin. Reports 1 to 27 in March 2005. Prepared for NC Dept. of Transportation, 16 p.
- Palmquist, R. "Property Value Models," in K-G Maler and J. Vincent, eds., *Handbook of Environmental Economics*, volume 2, North Holland, 2004.
- Peters D.J. and W.G. Nelson. 1987. The seasonality and spatial patterns of juvenile surf zone fishes of the Florida east coast. *Florida Science* 50:85–99.
- Peters, D. S., L.R. Settle, and J.D. Fuss. 1995. Larval fish abundance in the vicinity of Beaufort Inlet prior to berm construction. NMFS, Beaufort, NC, NMFS Progress Report, 20 p.
- Peters, D. S. and L.R. Settle. 1994. Larval fish abundance in vicinity of Beaufort Inlet prior to berm construction. NMFS data summary report of project funded by the US Army Corps of Engineers. NMFS, Beaufort, NC, 38 p.
- Peterson, C.H., and N.M. Peterson. 1979. The ecology of intertidal flats of North Carolina: a community profile U.S. Fish and Wildlife Service. Office of Biological Services. FWS/OBS-79/39. 73 pp.
- Peterson, C.H., H.C. Summerson, H.L. Lenihan, and G.W. Safrit, Jr. 1995. Beaufort Inlet Benthic Resources Survey. Interior Report to the Army Corps of Engineers.
- Peterson, C.H., H.C. Summerson, H.L. Lenihan, and G.W. Safrit, Jr. 1996. Beaufort Inlet Benthic Resources Survey. Interior Report to the Army Corps of Engineers.
- Peterson, C.H., D. H. M. Hickerson, and G. G. Johnson. 2000a. Short-term consequences of nourishment and bulldozing on the dominant large invertebrates of a sandy beach. *Journal of Coastal Research*. 16:368-378.
- Peterson C.H., H.C. Summerson, E. Thomson, H.S. Lenihan, J. Grabowski, L. Manning, F. Micheli, and G. Johnson. 2000b. Synthesis of linkages between benthic and fish communities as a key to protecting essential fish habitat. *Bulletin of Marine Science* 66:759–774.
- Peterson, C.H., and L.M. Manning. 2001. How beach nourishment affects the habitat value of intertidal beach prey for surf fish and shorebirds and why uncertainty still exists. Proceedings of the Coastal Ecosystems and Federal Activities Technical Training Symposium, August 20-22, 2001, Gulf Shores, Alabama. U.S. Fish and Wildlife Service, CD-ROM.



- Peterson, C.H., M.J. Bishop, G.A. Johnson, L.M. D'Anna, L.M. Manning. 2006. Exploiting beach filling as an unaffordable experiment: benthic intertidal impacts propagating upwards to shore birds. *Journal of Experimental Marine Biology and Ecology* 338, 205–221.
- Petrolia, D.R., and T-G. Kim. 2009. What Are Barrier Islands Worth? Estimates of Willingness to Pay for Restoration. *Marine Resource Economics*. 24:131-146.
- Pierce, D.J., J.E. Wallin, and B. Mahmoudi. 1998. Spatial and temporal variations in the species composition of bycatch collected during a striped mullet survey. *Gulf of Mexico Science* 1998(1): 15-27 pp.
- Pilkey O.H., H.L. Wright III. 1988. Seawalls versus beaches. *Journal of Coastal Research (Special Issue)* 4:41–64.
- Pinellas County. 2007. Pinellas County Motel, hotel and condominium visitation trend statistics for 2007. Pinellas County Tax Authority, Pinellas County, FL.
- Pinellas County. 2008. Pinellas County Tourist Development Tax for 2007 and 2008. Pinellas County Tax Authority, Pinellas County, FL.
- Pinellas County Department of Public Works. (Coastal Management and St. Petersburg/Clearwater Area Convention and Visitors Bureau). 2009. Pinellas County's Public Beach Access Guide. http://www.pinellascounty.org/Environment/pagesHTML/coastalMngmt/Coastal/Beach_Access_Guide.pdf.
- Pinellas County Department of Environmental Management. 2008. <http://www.pinellascounty.org/Environment/pagesHTML/coastalMngmt/pdfs/JohnsPassHistory.pdf>. Site last visited: 2 November 2009.
- Pinellas County Department of Environmental Management. 2009. Ambient Monitoring Program Annual Report. 2004 - 2008. Pp 52.
- Posey, M., W.J. Lindberg, T. Alphin, and F. Vose. 1996. Influence of storm disturbance of an offshore benthic community. *Bull. Mar. Sci.* 59(3): 523-529.
- Potter, E. F., J. F. Parnell, and R. P. Teulings. 1980. *Birds of the Carolinas*. University of North Carolina Press, Chapel Hill, North Carolina, USA.
- Reilly, F.J. Jr., and V.J. Bellis. 1978. A study of the ecological effect of beach nourishment with dredged materials on the intertidal zone. East Carolina University Institute for Coastal and Marine Resources, Technical Report No. 4., Greenville, North Carolina. 107 pp.



- Reilly F.J., and B.J. Bellis. 1983. The ecological effect of beach nourishment with dredged materials on the intertidal zone at Bogue Banks, North Carolina. Miscellaneous Report 83-3. US Army Engineer Coastal Engineering Research Center, Fort Belvoir, VA.
- Riggs, S.R., Ames, D.V., 2009, Impact of the Oregon Inlet terminal groin on downstream beaches of Pea Island, NC Outer Banks, Unpublished Technical Report, Department of Geological Sciences, East Carolina University, Greenville, NC. 19 pp.
- Riggs, S.R., Ames, D.V., Culver, S.J., Mallinson, D.J., Corbett, D.R., and Walsh, J.P. 2009. In the eye of a human hurricane: Oregon Inlet, Pea Island, and the Northern Outer Banks, North Carolina; *In* Identifying America's Most Vulnerable
- Riggs, S.R., Cleary, W.J., and Snyder, S.W., 1995, Influence of inherited geologic framework upon barrier beach morphology and shoreface dynamics: Marine Geology, v. 126, p. 213-234.
- Roberts, C., W.J. Ballantine, C.D. Buxton, P. Dayton, L.B. Crowder, W. Milon, M.K. Orback, D. Pauly, J. Trexler, and C.J. Walters. 1995. Review of the use of marine fishery reserves in the U.S. southeastern Atlantic. NOAA Technical Memorandum NMFS-SEFSC-376. 31pp.
- Rogers, D. I., P. F. Battley, T. Piersma, J. A. Van Gils, and K. G. Rogers. 2006. High-tide habitat choice: insights from modeling roost selection by shorebirds around a tropical bay. *Animal Behavior* 72: 563-575.
- Rogers, S.G., and W. Weber. 1995. Status and restoration of Atlantic and shortnose sturgeons in Georgia. Final Report to the National Marine Fisheries Service, Southeast Regional Office, St. Petersburg, Florida.
- Rosen, S. 1974. Hedonic Prices and Implicit Markets: Product Differentiation in Pure Competition. *Journal of Political Economy* 82(1): 34-55.
- Ross S.T., R.H. McMichael Jr, and D.L. Ruple. 1987. Seasonal and diel variation in the standing crop of fishes and macroinvertebrates from a Gulf of Mexico surf zone. *Estuarine and Coastal Shelf Science* 25:391-412.
- Ross, S.W. and J.E. Lancaster. 2002. Movements and site fidelity of two juvenile fish species using surf zone, nursery habitats along the southeastern North Carolina coast. *Environ. Biol. Fish.* 63:161-172.
- Saloman, C.H., and S.P. Naughton. 1979. Fishes of the littoral zone, Pinellas County, Florida. *Florida Sci.* 42(2):85-93.



- Schaefer, R.H. 1967. Species composition, size and seasonal abundance of fish in the surf waters of Long Island. NY Fish Game J 1:1-46
- Schirripa, M. J., and K. M. Burns. 1997. Growth estimates for three species of reef fish in the eastern Gulf of Mexico. Bull. Mar. Sci. 61(3): 581-591.
- Schmidly, DJ. 1981. Marine mammals of the southeastern United States coast and the Gulf of Mexico. USFWS-Office of Biological Services Report No. 80/41, 165 pp.
- Schrader, Robert J. et al. Tidal Inlets – A Major Hurdle to Effectively Protecting Sensitive Coastal Resources. Site Remediation News. Vol 12, No 1. Article 03. July 2000.
- Schroeder, B.A. and A.E. Mosier. 2000. Between a Rock and a Hard Place: Coastal Armoring and Marine Turtle Nesting Habitat in Florida. Proceedings of the Eighteenth International Sea Turtle Symposium. U.S. Dept. of Commerce. NOAA Technical Memorandum NMFS-SEFSC-436, 293 pp.; p. 290-292.
- Seim, H., 2002, Reynolds stress measurements in a short tidal inlet, 2nd Meeting on the Physical Oceanography of Sea Straits. Villefranche, France, April 2002.
- Shabman, L. and M. Bertelson. 1979. The Use of Development Value Estimates for Coastal Wetland Permit Decisions. *Land Economics* 55: 213-22.
- Simmons, K.M., J.B. Kruse, and D.A. Smith. 2002. Valuing Mitigation: Real Estate Market Response to Hurricane Loss Reduction Measures. *Southern Economic Journal* 68(3): 660-71.
- Simpfendorfer, C.A. 2002. Smalltooth sawfish: the USA's first endangered elasmobranch? *Endangered Species Update*, 19, 45-49.
- Slay, C. 1993. Right Whale Research Project, New England Aquarium. Personal communication regarding seasonal occurrence of right whales of the Cape Fear region; p.5, In: Biological Assessment: Channel Realignment Masonboro Inlet, New Hanover County, NC. August 1995. USACE.
- Smith A. C. and E.Nol. 2000. Winter foraging behavior and prey selection of the semipalmated plover in coastal Venezuela. *Wilson Bulletin* 112: 467-472.
- Sobocinski, K.L., 2003. The impact of shoreline armoring on supratidal beach fauna of Central Puget Sound. MSc Thesis, University of Washington, Seattle.
- Sorenson, R. M. 1997. Basic Coastal Engineering. Chapman & Hall. New York.



- South Atlantic Fisheries Management Council (SAFMC). 1998. Final habitat plan for the South Atlantic region: Essential Fish Habitat requirements for fishery management plans of the South Atlantic Fishery Management Council. SAFMC, Charleston, SC.
- SAFMC. 1999. Recovery plan for the Roseate tern *Sterna dougallii dougallii*. Site last visited 17 December 2009.
http://www.safmc.net/Portals/0/Protres/New_PR/mangt_cons%20effort_section/roseate%20tern%20recovery.pdf.
- Southeast Area Monitoring and Assessment Program (SEAMAP-SA). 2001. South Atlantic Bight Hardbottom Mapping. SEAMAP South Atlantic Bottom Mapping Workgroup, Charleston, South Carolina, 166p.
- Southeastern Archaeological Research Inc. (SEARCH). 2009. Submerged Cultural Resource Assessment Survey of John's Pass and Blind Pass, Pinellas County, Florida. 96 pp.
- Sprandel, G. L., J. A. Gore, and D. T. Cobb. 1997. Winter shorebird survey. Final Performance Report. Tallahassee, FL: Florida Fish and Wildlife Conservation Commission.
- Stoner, A. W. 1980. "The Feeding Ecology of *Lagodon Rhomoides* (Pisces: Sparidae), Variation and Functional Responses." US National Marine Fisheries Service. Fish Bulletin 78:337-352.
- Street, M.W., A.S. Deaton, W.S. Chappell, and P.D. Mooreside. 2005. North Carolina Coastal Habitat Protection Plan. North Carolina Department of Environment and Natural Resources, Division of Marine Fisheries, Morehead City, NC. 656 pp.
- Sutton, H. 2010. Personal communication. Southern Sites Manager, NC Coastal Reserve & National Estuarine Research Reserve. Wilmington, NC.
- Thayer, G. W., S. M. Adams, and M. W. LaCroix. 1975. Structural and Functional Aspects of a Recently Established *Zostera Marina* Community. Estuarine Research Volume I. Edited by L. E. Cronon. Academic Press, New York, New York. pp. 518-540
- Thayer, G. W., W. J. Kenworthy, and M. S. Fonseca. 1981. The Ecology of Eelgrass Meadows of the Atlantic Coast: A Community Profile. FWS/OBS 84-02. US Fish and Wildlife Service, Washington, DC.



- Thayer, G. W., H. H. Stuart, W. J. Kenworthy, J. F. Ustach, and A. B. Hall. 1979. Habitat Values of Salt Marshes, Mangroves, and Seagrass for Aquatic Organisms. Wetland Functions and Values. Edited by P. E. Greeson, J. R. Clark, and J. E. Clark. American Water Resources Association, Minneapolis, Minnesota. pp. 235-247.
- Thayer, G.W., W.J. Kenworthy, and M.S. Fonseca. 1984. The ecology of eelgrass meadows of the Atlantic coast: a community profile. U.S. Fish. Wildl. Serv. FWS/OBS-84/02. 147 pp.
- Thayer, G. W., and R. C. Phillips. 1977. Importance of Eelgrass Beds in Puget Sound. US National Marine Fisheries Service. Marine Fisheries Review. 39(11): 18-22.
- Tidwell, D. K., 2005. Sedimentation patterns and hydrodynamics of a wave dominated tidal inlet: Blind Pass, Florida. Tampa, FL: University of South Florida, unpublished Master's Thesis, 104p.
- US Army Corps of Engineers (USACE). 1976a. Shoreline Erosion Mitigation, Presque Isle Harbor, Marquette, Michigan. EIA. USACE, St. Paul, MN. 23pp + appendices.
- USACE. 1976b. General design memorandum: Morehead City Harbor, North Carolina. Wilmington District, USACE, 41 pp. + app.
- USACE (USACE Coastal Engineering Research Center). 1981. Coastal Engineering Research Center. Groins – Their Applications and Limitations. Coastal Engineering Technical Note CETN-III-10 3/31.
- USACE (USACE Jacksonville District). 1984. Feasibility Report with EIS for Beach Erosion Control – Nassau County, Florida (Amelia Island). Jacksonville, Florida.
- USACE. 1999a. Environmental Effect Statement: Manteo (Shallowbag) Bay North Carolina, Draft Supplement #3. U.S. Army Corps of Engineers, Wilmington District, 232p.
- USACE (USACE Jacksonville District). 1999b. Final Environmental Assessment for the Nassau County, Florida Shore Protection Project. Includes Updated Finding of No Significant Effect.
- USACE (USACE New York District). 2001a. The New York District's Biological Monitoring Program for the Atlantic Coast of New Jersey, Asbury Park to Manasquan Section Beach Erosion Control Project. Final Report. U.S. Army Engineer District, New York and U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.



- USACE. 2001b. Manteo (Shallowbag) Bay North Carolina. Supplemental No. 2 General Design Memorandum, Final Supplemental No. III Environmental Impact Statement. Wilmington, North Carolina. August 2001.
- USACE. 2002. Coastal Engineering Manual. U.S. Army Corps of Engineers, Engineer Manual 1110-2-1100, Washington, DC (in 6 volumes).
- USACE (USACE Wilmington District). 2003. Evaluation Report and Finding of No Significant Effect. Morehead City Harbor Section 933. Carteret County, North Carolina.
- USACE (USACE Wilmington District). 2006. Draft General Reevaluation Report and Draft Environmental Impact Statement, West Onslow Beach and New River Inlet (Topsail Beach), NC. Prepared by the US Army Corps of Engineers, Wilmington District.
- USACE (USACE New York District). 2008a. Environmental Assessment for the Raritan Bay and Sandy Hook Bay Hurricane and Storm Damage Reduction Study. Port Monmouth, New Jersey.
- USACE (USACE Wilmington District). 2008b. Regional Biological Assessment for Dredging Activities in the Coastal Waters, Navigation Channels (including designated Ocean Dredged Material Disposal Sites), and Sand Mining Areas in the South Atlantic Ocean. USACE, Wilmington District. Submitted to NMFS on 12 September 2008.
- USACE (USACE Environmental Laboratory). 2009. Habitat associations of shoreline-dependent birds in barrier island ecosystems during fall migration in Lee County, Florida. ERDC/EL TR-09-14
- USACE, 1970, Morehead City Harbor, N.C. Jetties at Beaufort Inlet, Wilmington District, Wilmington, NC, 58 p.
- USACE, 2004. Channel Condition Report, John's Pass Inlet. Corps of Engineers, Jacksonville District, Navigation Branch, 1p. (Florida EPA, 2008)
- U.S. Fish and Wildlife Service (USFWS). 1951. Pea Island Nation Wildlife Refuge, Annual Narrative Report, Calendar Year 1950. Manteo, North Carolina.
- USFWS. 1961. Pea Island Nation Wildlife Refuge, Annual Narrative Report, Calendar Year 1960. Manteo, North Carolina.
- USFWS. 1971. Pea Island Nation Wildlife Refuge, Annual Narrative Report, Calendar Year 1970. Manteo, North Carolina.



- USFWS. 1989. Environmental Assessment and Finding of No Significant Effect for Issuance of a Right-of-Way Permit to North Carolina Department of Transportation to Provide Access to Pea Island National Wildlife Refuge to Provide Protection of Bonner Bridge and North Carolina Highway 12, Dare County, North Carolina.
- USFWS. 1993. *Amaranthus pumilus* (seabeach amaranth) determined to be threatened: Final rule. Federal Register. 58, 65: 18035-18042.
- USFWS. 1995. U.S. Fish and Wildlife Service and Gulf states Gulf Sturgeon Recovery Plan. Atlanta, GA. 170pp.
- USFWS. 1996a. Piping Plover (*Charadrius melodus*), Atlantic Coast Population, Revised Recovery Plan. Hadley, Massachusetts. 258 pp.
- USFWS. 1996b. Recovery Plan for Seabeach amaranth (*Amaranthus pumilus*) Rafinesque. Atlanta, Georgia.
- USFWS. 2001a. Amended Biological Opinion for ACOE Permit Application No. 200103870 (FWS Log No. 01-985), Florida Park Service/South Amelia Island Shore Stabilization Association, Inc. Nassau County, Florida.
- USFWS. 2001b. Endangered and Threatened Wildlife and Plants; Wintering Piping Plovers. *Federal Register* 50 CFR Part 17.
- USFWS. 2002. Draft Fish and Wildlife Coordination Act Report for the Bogue Banks Shore Protection Project in Carteret and Onslow Counties, North Carolina.
- USFWS. 2004. Biological Opinion for the Proposed Construction of Phase II – South Amelia Island Shore Stabilization Project. Nassau County, Florida.
- USFWS. 2006a. Piping Plovers in North Carolina. <http://www.fws.gov/northeast/pipingplover/status/index.html>. Updated January 27, 2005.
- USFWS. 2006b. Pea Island National Wildlife Refuge Comprehensive Conservation Plan. US Department of the Interior, Fish and Wildlife Service, Southeast Region.
- USFWS. 2007. Seabeach amaranth (*Amaranthus pumilus*), <http://www.fws.gov/nc-es/plant/seabamaranth.html>.
- USFWS. 2007a. West Indian manatee, (*Trichechus manatus*). http://www.fws.gov/species/species_accounts/bio_mana.html. Last updated March 1995.



- USFWS. 2007b. West Indian manatees in North Carolina. <http://www.fws.gov/nc-es/mammal/manatee.html>.
- USFWS. 2007c. Guidelines for Avoiding Effects to the West Indian Manatee, Precautionary Measures For Construction Activities In North Carolina Waters. http://www.fws.gov/nc-es/mammal/manatee_guidelines.pdf.
- USFWS. 2007d. Pea Island Nation Wildlife Refuge, Annual Narrative Report, Calendar Year 2006. Manteo, North Carolina.
- USFWS. 2008. Pea Island Nation Wildlife Refuge, Annual Narrative Report, Calendar Year 2007. Manteo, North Carolina.
- Van Dolah, R.F., D.M. Knott, and D.R. Calder. 1984. Ecological effects of rubble weir jetty construction at Murrells Inlet, South Carolina; Volume 1: Colonization and community development on new jetties. US Army Corps of Engineers Technical Report. EL-84-4, Coastal Engineering Research Center. Vicksburg, Mississippi. 143 pp.
- Van Dolah, R.F., R.M. Martore, A.E. Lynch, P.H. Wendt, M.V. Levisen, D.J. Whitaker, and W.D. Anderson. 1994. Environmental evaluation of the Folly Beach nourishment project. Final report. Prepared for US Army Corps of Engineers - Charleston District, South Carolina. Marine Resources Division, South Carolina Department of Natural Resources, Charleston, NC.
- Van Gils, J. A., B. Spaans, A. Dekinga, and T. Piersma. 2006. Foraging in a tidally structured environment by red knots (*Calidris canutus*): ideal, but not free. *Ecology* 87: 1189-1202.
- Vincent, M. 1992. John's Pass Scour Assessment Model, The Center for Modeling Hydrologic and Aquatic Systems, University of South Florida, 57 p.
- Vladykov, V.D., and J.R. Greeley. 1963. Order Acipenseroidei. Pages 24-60 in *Fishes of the western North Atlantic. Part III. Memoirs of the Sears Foundation for Marine Research* 1.
- Vandever, J.P. and Miller, H.C., 2003, How efficient is Mother Nature at Oregon Inlet, NC? Proceeding of the International Conference on Coastal Sediments 2003.
- Watts, J. G. 1987. Physical and biological effects of bulkheads on North Carolina's estuarine shoreline. Duke University, Durham, NC, Report to North Carolina Division of Coastal Management, 39 p.



- Weakley, A.S. and M.A. Bucher. 1992. Status survey of seabeach amaranth (*Amaranthus pumilus* Rafinesque) in North and South Carolina. Report submitted to the North Carolina Plant Conservation Program, and Endangered Species Field Office.
- Weber, W. 1996. Population size and habitat use of shortnose sturgeon, *Acipenser brevirostrum*, in the Ogeechee River system, Georgia. Masters Thesis, University of Georgia, Athens, Georgia.
- Weinstein, M. P. 1985. Distributional Ecology of Fishes Inhabiting Warm-Temperate and Tropical Estuaries: Community Relationships and Implications. Fish Community Ecology in Estuaries and Coastal Lagoons: Towards an Ecosystem Integration. Edited by A. Yanex-Arancibia. DR (R) UNAM Press. Mexico.
- Weinstein, M. P., and K. L. Heck, Jr. 1979. Ichthyofauna of Seagrass Meadows Along the Caribbean Coast of Panama and in the Gulf of Mexico: Composition, Structure, and Community Ecology. *Marine Biology*, 50: 97-107.
- Wells, J.T., and McNinch, J.E., 2001, Reconstructing shoal and channel configuration in Beaufort Inlet: 300 years of change at the site of Queen Anne's revenge. *Southeastern Geology*, v. 40, p. 11-18.
- Whitehead, John C., Christopher F. Dumas , Jim Herstine , Jeffery Hill , Bob Buerger. 2008. Valuing Beach Access and Width with Revealed and Stated Preference Data. *Marine Resource Economics*. 23:119-135.
- Whitehead, John C., Ben Poulter, Christopher Dumas and Okmyung Bin. 2009. Measuring the Economic Effects of Sea Level Rise on Shore Fishing. *Mitigation and Adaptation Strategies for Global Change*. 14:777-792.
- Whitehead, John C. Total Economic Values for Coastal and Marine Wildlife: Specification, Validity, and Valuation Issues. 1993. *Marine Resource Economics*. 8:119-132.
- Wibbels, T. 2003. Critical approaches to sex determination in sea turtles. In: *Biology of Sea Turtles*, vol. II (Eds. Lutz, P.L., Musick, J.A. and Wyneken, J.) pp. 103-134. Boca Raton: CRC Press.
- Wilber, D. H., D. G. Clarke, G.L. Ray, and M. Burlas. 2003. Response of surf zone fish to beach nourishment operations on the northern coast of New Jersey, USA. *Marine Ecology Progress Series*. Vol. 250: 231-246.
- Wiley, D.N., R.A. Asmutis, T.D. Pitchford, and D.P. Gannon. 1995 Stranding and mortality of humpback whales, *Megaptera novaengliae*, in the mid-Atlantic and southeast United States, 1985-1992. *Fish. Bull.*, U.S. 93: 196-205.



- Wilkinson, P. M. and M. Spinks. 1994. Winter distribution and habitat utilization of Piping Plovers in South Carolina. *Chat* 58: 33-37.
- Woodward, R.T., and Y-S. Wui. 2001. The Economic Value of Wetland Services: A Meta-Analysis. *Ecological Economics*. 37:257-270.
- Zieman, J. C. 1975. Tropical Seagrass Ecosystems and Pollution. *Tropical Marine Pollution*. Edited by E. J. F. Wood and R. E. Johannes. Elsevier, New York, New York. pp. 63-74.
- Zimmerman, R. J., and T. J. Minello. 1984. Fishery Habitat Requirements: Utilization of Nursery Habitats by Juvenile Penaeid Shrimp in a Gulf of Mexico Salt Marsh. . *Proceedings of Research for Managing the Nation's Estuaries* edited by B. J. Copeland, K. Kart, N. David, and S. Friday. UNC Sea Grant Publication 84-08.
- Zivojnovich, M. J. and G. Baldassarre. 1987. Habitat selection, movements, and numbers of Piping Plovers wintering in coastal Alabama. Project number W-44-12, study number II-A & B. Alabama Department of Conservation and Natural Resources, Montgomery, AL.