## **Literature Cited**

Ackerman, R.A. 1996. The nest environment and embryonic development of sea turtles. In: Lutz, P.L. and J.A. Musick (eds.) The Biology of Sea Turtles. CRC Press.

Ackerman, R.A., T. Rimkus, and R. Horton. 1991. The Hydric Structure and Climate of Natural and Renourished Sea Turtle Nesting Beaches along the Atlantic Coast of Florida. Unpublished report prepared by Iowa State University for Florida Department of Natural Resources, Tallahassee.

Addison, L. and McIver, T. 2014. Rich Inlet Bird Surveys, 2008-2014: Preliminary Summary Results. Audubon North Carolina Report. pp 26.

Allen, D., 2007. North Carolina Wildlife Resource Commission. Biologist. Personal communication regarding the habitat of Painted Buntings in North Carolina.

Alsop, F.J., 2002. Birds of Florida: Smithsonian Handbook. DK Publishing, Inc. New York, NY. 400p.

Amend, M. and Shanks, A., 1999. Timing of larval release in the mole crab *Emerita talpoida*. *Marine Ecology Progress Series*. Vol. 183: 295-300.

Anchor (Anchor Environmental CA, L.P.), June 2003. Literature Review of Effects of Resuspended Sediments Due to Dredging Operations. Prepared for Los Angeles Contaminated Sediments Task Force, Los Angeles, California.

ANHP (Alaska Natural Heritage Program) 2004: Smooth Cordgrass. https://akweeds.uaa.alaska.edu/pdfs/potential\_species/bios/Species\_bios\_SPAL.pdf

ASMFC (Atlantic States Marine Fisheries Commission Red Drum Plan Development Team), 2002. Fishery Management Report No. 38 of the Atlantic States Marine Fisheries Commission – Amendment 2 to the Interstate Fishery Management Plan for Red Drum. Washington, D.C.: Atlantic States Marine Fisheries Commission, 91p.

http://www.asmfc.org/speciesDocuments/southAtlanticSpecies/redDrum/redDrumA m2.pdf

Audubon North Carolina. 2007a. Colonial Waterbirds of North Carolina. www.audubon.org/chapter/nc/ColonialWaterbirds list.html. Last visited September 24, 2007

Audubon North Carolina. 2007b. Painted Bunting Observer Team Seeks Help from Citizens Scientist. <a href="http://nc.audubon.org/news\_April25th2006\_PBOT.html">http://nc.audubon.org/news\_April25th2006\_PBOT.html</a>. Last visited August 07, 2007.

Audubon North Carolina, 2012. Golder, Walker. Personal communication regarding winter populations of shorebirds in proximity to the Permit Area.

Audubon North Carolina, 2012. Personal Communication regarding piping plover data in Rich Inlet and Masonboro Inlet.

Barter, P., Burgess, K., Jay, H., and Hosking, A. Nov. 9-11, 2003. Futurecoast: Predicting the future coastal evolution of England and Wales. International Conference on Estuaries and Coasts. Hangzhou, China.

Bass, R.E., Herson, A.I., Bogdan, K.M., 2001. The NEPA Book: A Step-by-Step Guide on How to Comply with the National Environmental Policy Act. Solano Press Books, Point Arena, CA.

Beck, T., 2014. U.S. Army Corps of Engineers, Engineer Research and Development Center. Chief of Coastal Engineering Branch. Personal communication regarding the predictability of future changes using coastal modeling.

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.

Blue Crab Archives, 2006. Blue Crab Spawning - prepared by Steven C. Zinski, 3p. <a href="http://www.blue-crab.org/spawning.htm">http://www.blue-crab.org/spawning.htm</a> (June 2006)

Bolten, A. B., H. R. Martins, K. A. Bjorndal, and J. Gordon. 1993. Size distribution of pelagic-stage loggerhead sea turtles (*Caretta caretta*) in the waters around the Azores and Madeira. *Arquipelago Ciencias da Natureza*, 0:49-54.

Bolten, A.B., Witherington, B.E. (eds), 2003. Loggerhead Sea Turtles. Smithsonian Books, Washington D.C.: 63-78. 2003

Bowen, M. L., and R. Dolan. 1985. The relationship of *Emerita talpoida* to beach characteristics. *J. Coast. Res.* 1: 151–163.

Broadwell, A.L., 1991. Effects of beach nourishment on the survival of loggerhead sea turtles. Boca Raton, Florida, Florida Atlantic University, Master's Thesis.

Brock, K.A., J.S. Reece, and L.M. Ehrhart. 2009. The effects of artificial beach nourishment on marine turtles: differences between loggerhead and green turtles. Restoration Ecology 17(2): 297–307.

Brown, S.; Hickey, C.; Harrington, B., and Gill, R. (eds.), 2001. The U.S. Shorebird Conservation Plan, 2nd ed. Manomet Center for Conservation Sciences, Manomet, MA.

Burrel, I.V.G., Jr., 1986. Species Profiles: Life Histories and Environmental Requirements of Coastal Fishes and Invertebrates (South Atlantic)—American Oyster. U.S. Fish and Wildlife Service. Biol. Rep. 82(11.57). U.S. Army Corps of Engineers TR EL-82-4. 17 pp.

Byrd, J.I. 2004. The effect of beach nourishment on loggerhead sea turtle (*Caretta caretta*) nesting in South Carolina. Masters Thesis, College of Charleston, Charleston, SC.

Cameron, S.; Rice, E.L., and Allen, D.H., 2004. Survey of Nesting Colonial Waterbirds in the North Carolina Coastal Zone along with an Updating of the Colonial Waterbird Database. Final Report to the U. S. Army Corps of Engineers, Wilmington District. 14pp.

Cameron, S., 2007. North Carolina Wildlife Resource Commission, Waterbird Biologist. Personal communication regarding piping plover habitat preferences.

Carr, A.F.; Carr, M.H., and Meylan, A.B., 1978. The ecology and migrations of sea turtles. The west Caribbean Sea. *Bulletin American Museum of Natural History*, 21, 1-48.

Carter, A. and L. Floyd. 2008. Town of Emerald Isle, North Carolina Bogue Inlet Channel Erosion Response Project, Summary of Macroinvertebrate/Infaunal 2007 Post-Construction Sampling Events. Boca Raton, Florida: Coastal Planning & Engineering, Inc. 26p. (Prepared for the Town of Emerald Isle, North Carolina).

Carthy, R.R., A.M. Foley, and Y. Matsuzawa. 2003. Incubation environment of loggerhead turtle nests: effects on hatching success and hatchling characteristics. In: Bolten, A.B. and B.E. Witherington (eds.) Ecology and Conservation of Loggerhead Sea Turtles. University Press of Florida, Gainesville, Florida, pp.145-153.

CCSP, 2009. Synthesis and Assessment Product 4.1: Coastal Sensitivity to Sea-Level Rise: A Focus on the Mid-Atlantic Region. A report by the U.S. Climate Change Program and the Subcommittee on Global Change Research. [J. G. Titus (Coordinating Lead Author), E. K. Anderson, D. Cahoon, S. K. Gill, R. E. Thieler, J. S. Williams (Lead Authors)], U.S. Environmental Protection Agency, Washington, D.C. (http://www.climatescience.gov/Library/sap/sap4-1/final-report/default.htm

Chapman, M.G., 2003. Paucity of mobile species on constructed seawalls: Effects of urbanization on biodiversity. Marine Ecology Progress Series, 264, 21-29.

Churchill, J. H., F.E. Werner, R. Luettich, 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. Luettich, 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.

Cleary, W. J. and P. E. Hosier. 1990. A Long Range Plan for Channel Maintenance and Beach Restoration, Figure Eight Island, North Carolina. Report to Figure "8" Island Homeowners' Association. 72 p.

Cleary, W. J. and Jackson, C.W., 2004 Figure Eight Island planning and assistance report for island-wide management plan, Figure Eight Beach Homeowner's Association, Figure Eight Island, NC, 221 p.

Cleary & Knierim, 2001. Turbidity and suspended sediment characterizations: Nixon Channel dredging and beach rebuilding, Figure Eight Island, NC. Report submitted to Figure Eight Beach Homeowners Association, Figure Eight Island, NC, 33p.

Cleary & Knierim, 2006. Management and Erosion Mitigation Issues Related to Ebb Channel Repositioning: Rich Inlet, North Carolina, USA. Journal of Coastal Research, 39: 1008-1012.

Cleary, W. and Pilkey, O., 1996. Environmental Coastal Geology: Cape Lookout to Cape Fear, North Carolina Regional Overview. In: Cleary, W. (ed.), Carolina Geologic Society Fieldtrip Guidebook 1996: Environmental Coastal Geology: Cape Lookout to Cape Fear, NC, pp. 89-127.

Cleary, W.J., 2000. An assessment of the sand resources offshore Figure Eight Island, North Carolina. Final Report Submitted to Figure Eight Beach Homeowners Association. 17 p.

Cleary, W.J., 2001. Inlet related shoreline changes: Rich Inlet, North Carolina, Final report, Figure Eight Island Homeowner's Association, Figure Eight Island, NC, 35 p.

Cleary, W.J., 2003. An assessment of the availability of beach fill quality sand on the outer shoreface: Figure Eight Island, NC. Final report Figure Eight Island Homeowner's Association, Figure Eight Island, NC, 13 p.

Cleary, W.J., 2009. Rich Inlet: History and inlet related oceanfront and estuarine shoreline changes. Final report submitted to Figure Eight Beach Homeowners Association. 61 p.

Cleary, W.J., 2010. University of North Carolina at Wilmington, Professor of Geology. Personal Communication regarding the erosion and development of salt marsh resources at Figure Eight Island, NC.

Coastal Planning & Engineering, Inc. April 2013. Town of North Topsail Beach new river inlet channel realignment and beach restoration, construction monitoring report. Wilmington.

Collins, M. R., and T. I. J. Smith. 1997. Distributions of shortnose and Atlantic sturgeons in South Carolina. North American Journal of Fisheries Management 17:995–1000.

Colwell, M. A. 2010. Shorebird ecology, conservation and management. University of California Press, Berkeley, USA.

Conant, T., 1993. Humpback Whale: *Megaptera novaeangliae*. In Wildlife Profiles. Division of Conservation Education, North Carolina Wildlife Resources Commission, Raleigh, NC.

Conrad, B., 2007. North Carolina Division of Marine Fisheries, Fisheries Biologist. Personal communication regarding shellfish habitat mapping surveys conducted in the vicinity of New Topsail Inlet.

Courtenay, W. R., Jr., Hartig, B. C., and Loisel, G. R., 1980. Ecological evaluation of a beach nourishment project at Hallandale (Broward County), Florida: Evaluation of Fish Populations Adjacent to Borrow Areas of Beach Nourishment Project, Hallandale (Broward County), Florida. Fort Belvoir, VA: Coastal Engineering Research Center, U.S. Army Corps of Engineers, Volume I, Miscellaneous Report 80-1(I), 23pp.

Cowardin, L.M.; Carter; V.; Golet F.C., and LaRoe, E.T., 1979. Classification of wetlands and deepwater habitats of the United States. U.S. Fish and Wildlife Service, Biological Services Program, Washington, D.C. CPE, 2008 (BA)

Craft, C.B., Seneca, E.D. and Broome, S.W. 1993. Estuarine Coastal and Shelf Science 37, 371.

Crain, D.A., A.B. Bolten, and K.A. Bjorndal. 1995. Effects of beach nourishment on sea turtles: Review and research initiatives. Restoration Ecology 3(2): 95-104.

Davenport, J., 1992. Lecture given at the British Chelonia Group Symposium at the University of Bristol: The Biology of the Diamondback Terrapin *Malaclemys terrapin* (Latreille). University of Marine Biological Station Mfillport, Isle of Cumbrac, Scotland. http://www.deancloseprep.gloucs.sch.uk/chelonia/testudo/articles/ diamondback.htm

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

Davis, R.A., M.V. Fitzgerald, and J. Terry. 1999. Turtle nesting on adjacent nourished beaches with different construction styles: Pinellas County, Florida. Journal of Coastal Research 15(1), 111-120.

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.

Dean, R.G. 1993. Terminal Structures at Ends of Littoral Systems. Journal of Coastal Research. Special Issue 18. Pp. 195-210.

Dean, R.G. 2008. University of Florida, Graduate Research Professor Emeritus. Personal communication regarding the performance of terminal groins in the United States.

Deaton, A.S., W.S. Chappell, K. Hart, J. O'Neal, B. Boutin. 2010. North Carolina Coastal Habitat Protection Plan. North Carolina Department of Environment and Natural Resources. Division of Marine Fisheries, NC. 639 pp.

De Groot, S.J., 1979a. An assessment of the potential environmental impact of large scale sand-dredging for the building of artificial islands in the North Sea. *Ocean Management*, 5, 211-232.

De Groot, S.J., 1979b. The potential impact of marine gravel extraction in the North Sea. *Ocean Management*, 5, 233-249.

Demirbilek, Z. and Rosati, J. December 2011. Verification and validation of the coastal modeling system. Summary Report, Coastal and Hydraulics Laboratory, US Army Corps of Engineer Research and Development Center. ERDC/CHL TR-11-10.

Diaz, H., 1980. The mole crab *Emerita talpoida* (Say): a case of changing life history pattern. *Ecological Monographs*. 50: 437–456.

Dinsmore, S.J., Collazo, J.A., and Walters, J.R., 1998. Seasonal numbers and distribution of shorebirds on North Carolina's Outer Banks. *Wilson Bulletin* 110(2). Pp. 171-181

Dompe, P. E. and D. M. Haynes. 1993. "Turbidity Data: Hollywood Beach, Florida, January 1990 to April 1992." Coastal & Oceanographic Engineering Department, University of Florida: Gainesville, Fla. UFL/COEL -93/002.

Donnelly, C., Kraus, N., and Larson, M., 2006. State of knowledge on measurement and modeling of coastal overwash. *Journal of Coastal Research* Vol. 22(4): Pp.965-991.

Dyer, K.R., M.C. Christe and E. W. Wright. 2000. The classification of mudflats. Cont. Shelf Res. 20: 1061-1078.

Ehrhart, L.M., 1983. Marine turtles of the Indian River Lagoon system. *Florida Scientist*. Vol. 46, Pp. 337-346.

Ehrhart, L.M., 1995. The relationship between marine turtle nesting and reproductive success and the beach nourishment project at Sebastian Inlet, Florida, in 1994. Melbourne, Florida, University of Central Florida, Technical Report to the Florida Institute of Technology.

Ehrhart, L.M. and K.G. Holloway-Adkins. 2000. Marine Turtle Nesting and Reproductive Success at Patrick Air Force Base: Summer 2000. Orlando, Florida, University of Central Florida, Final Report to US Air Force Eastern Space and Missile Center; Patrick Air Force Base, Florida.

Ellers, O., 1995. Behavioral Control of Swash-Riding in the Clam *Donax variabilis*. *Biology*. *Bulletin* Vol. 189: Pp. 120-127.

Epperly, S.P.; Braun, J.; Chester, A.J., and Veishlow, A., 1990. Sea turtle species composition and distribution in the inshore waters of North Carolina, submitted to U.S. Fish and Wildlife Services.

Epperly, S.P.; Braun, J.; Chester, A.J.; Cross, F.A.; Merriner, J.W., and Tester, P.A., 1995. Winter distribution of sea turtles in the vicinity of Cape Hatteras and their interaction with the summer flounder trawl fishery, Bulletin of Marine Science, Vol. 56(2), Pp. 547.

Epperly, S.P.; Braun, J., and Chester, A.J., 1995b. Aerial surveys for sea turtles in North Carolina inshore waters, Fishery Bulletin, 93: 254-261.

Ernest, R.G. and R.E. Martin. 1999. Martin County beach nourishment project: sea turtle monitoring and studies, 1997 annual report and final assessment. Unpublished report prepared for the Florida Department of Environmental Protection.

Everhart, S. 2007. North Carolina Wildlife Resource Commission, Southern Coastal Permit Review Coordinator. Personal communication regarding 2007 leatherback turtle nest records.

Eversole, A.G., 1987. Species Profiles: Life Histories and Environmental Requirements of Coastal Fishes and Invertebrates (South Atlantic)— Hard Clam. U.S. Fish and Wildlife Service. Biol. Rep. 82(11.75).

Fay, C.W.; Neves, R.J., and Pardue, G.B., 1983. Species Profiles: Life Histories and Environmental Requirements of Coastal Fishes and Invertebrates (Mid-Atlantic) – Bay Scallop.

Finkbeiner, M., Stevenson, B., and Seaman, R. 2001. Guidance for benthic habitat mapping: an aerial photographic approach. Charleston, SC. NOAA/National Ocean Service/Coastal Services Center, (NOAA/CSC/20117-PUB).

Fletmeyer, J. R. 1978. Underwater tracking evidence: neonate loggerhead sea turtles seek shelter in drifting sargassum. Copeia 1978(1):148-149.

Foote, J., S. Fox, and T. Mueller. 2000. An Unfortunate Encounter with a Concrete and Rock Composite Groin. Proceedings of the Twentieth Annual Symposium on Sea Turtle Biology and Conservation. NOAA Technical Memorandum NMFS-SEFSC-477. 369 pp.; 2002, p. 217.

Fraser, J.D.; Keane, S.E., and Buckley, P.A., 2005. Prenesting use of intertidal habitats by piping plovers on South Monomoy Island, Massachusetts. *Journal of Wildlife Management*. Vol. 69(4): Pp. 1731-1736.

Godfrey, M. H., 2002 North Carolina Wildlife Resource Commission, Sea Turtle Biologist. Personal communication regarding the nesting occurrences of Kemp's ridley sea turtles in North Carolina.

Godfrey, M., 2007. North Carolina Wildlife Resource Commission, Sea Turtle Biologist. Personal communication regarding the occurrence and distribution of sea turtles in proximity of Hutaff Island.

Godfrey, M. 2010. North Carolina Wildlife Resource Commission, Sea Turtle Biologist. Personal communication regarding the occurrence and distribution of sea turtle nests within proximity to Figure Eight Island.

Golder, W., 2008. North Carolina Audubon. Deputy Director. Personal communication regarding sea turtles, seabeach amaranth, and shorebird monitoring and Hutaff Island.

Greene, K., 2002. "Beach nourishment: A review of the biological and physical impacts," ASMFC Habitat Management Series #7. Atlantic States Marine Fisheries Commission, Washington DC 174 pp.

Hackney, C.T., and W.J. Cleary. 1987. Saltmarsh loss in southeastern North Carolina lagoons: Importance of sea level rise and inlet dredging. Journal of Coastal Research. 3:93-97.

Hackney, C.T., Posey, M., Ross, S., Norris, A. 1996. A review and synthesis of data on surf zone fishes and invertebrates in the South Atlantic Bight and the potential impacts from beach renourishment. For Wilmington District, US Army Corps of Engineers, Wilmington, North Carolina.

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 7

Hay, M.E. and Sutherland, J.P. 1988. The ecology of rubble structures of the South Atlantic Bight: A community profile. USFWS Biological Report 85 (7.20). 67 pp.

Herren, R.M., 1999. The effect of beach nourishment on loggerhead (*Caretta caretta*) nesting and reproductive success at Sebastian Inlet, Florida. Orlando, Florida: University of Central Florida, Master's Thesis.

Hendrickson, J.R., 1982. Nesting behavior of sea turtles with emphasis on physical and behaviour determinants of nesting success or failure. In: Bjorndal, K., (ed.) *Biology and Conservation of Sea Turtles*. Smithsonian Institution Press, Washington, D.C., 53 p.

Hirth, H. F., 1997. Synopsis of biological data on the green turtle *Chelonia mydas* (Linnaeus, 1758). 97(1), U.S. Dept. of the Interior, Fish and Wildlife Service.

Humphrey, R.C., 1990. Status and range expansion of the American Oystercatcher on the Atlantic coast. Transactions of the Northeast Section of the Wildlife Society. 47:54-61.

Hunter, W.C.; Peoples, L.H., and Collazo, J.A., 2001. Partner's in Flight Bird Conservation Plan for the South Atlantic Coastal Plain. 53 pp.

Iannucci, Jim. 2011. New Hanover County Engineering Department. County Engineer. Personal communication regarding storm water management on Figure Eight Island.

IPCC, 2007. Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change [Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.

Insiders Guide, 2003. Insiders Guide to Military Facilities <a href="http://www.insiders.com/crystalcoast/main-military.htm">http://www.insiders.com/crystalcoast/main-military.htm</a>

Johns, M.E. 2004. North Carolina Bird Species Assessment. N.C. Partners in Flight.

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.

Keinanth, J.A.; Musick, J.A., and Byles, R.A., 1987. Aspects of the biology of Virginia's sea turtles: 1979-1986, Virginia Journal of Science, 38: 329-336.

Klinger, R.C. and Musick, J.A., 1995. Age and growth of loggerhead turtles (*Caretta caretta*) from Chesapeake Bay, *Copeia*, 1995(1): 204.

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. U.S. Army Corps of Engineers Technical Report EL-84-4. 46 pp.

Kushlan, J.A. and Steinkamp, M.J., 2002. Waterbird Conservation for the Americas: The North American Waterbird Conservation Plan, Version 1. Waterbird Conservation for the Americas, Washington, D.C., U.S.A., Pp. 78.

Lalancette, J.L., 1984. The effects of dredging on sediments, plankton and fish in the Vauvert area of lake St. Jean, Quebec (Canada). *Hydrobiologie*, 99, 463-477.

Laney, R. W.; Hightower, J. E.; Versak, B. R.; Mangold, M. F.; Cole, W. W., Jr; Winslow, S. E., 2007: Distribution, habitat use, and size of Atlantic sturgeon captured during cooperative winter tagging cruises, 1988–2006. Am. Fish. Soc. Symp. 56, 167–182.

Larenas, M., 2009. Coastal Planning & Engineering, Inc., Geologist. Personal communication regarding the significance of color variation between the fill sources and the native beaches.

LeGrand, H., 2008. North Carolina Natural Heritage Program. Biologist. Personal communication regarding habitat for diamondback terrapins at Figure Eight Island and Hutaff Island, NC.

Limpus, C.J.; Fleay, A., and Guinea, M., 1984. Sea Turtles of the Capricorn Section, Great Barrier Reef. In: Ward, W.T. and Saenger, P. (eds.), Capricorn Section of the Great Barrier Reef: Past, Present and Future. Society of Queensland and the Australian Coral Reef Society, Brisbane, Australia. 61 p.

Limpus, C.J., 1985. A study of the loggerhead sea turtle, *Caretta caretta* in Eastern Australia, Ph.D. dissertation, University of Queensland, St. Lucia, Australia

Livingston, R. J. 1975. Impact of Kraft pulp-mill effluent on estuarine and coastal fishes in Apalachee Bay, Florida, U.S.A. Marine Biology 32(1): 19-48.

Lucas, L.L., B.E. Witherington, A.E. Mosier, and C.M. Koeppel. 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.

Lutcavage, M. and Musick, J.A., 1985. Aspects of the biology of sea turtles in Virginia, *Copeia*, 2: 449.

Mallin, M., Williams, K., Esham, E., and Lowe, R. 2000. Effect of human development on bacteriological water quality in coastal watersheds. Ecological Applications, 10: 1047-1056.

Mangiameli, A., 2008. North Carolina Audubon. Conservation Biologist. Personal communication regarding shorebird nesting, sea turtle, and seabeach amaranth data collected on Hutaff Island.

Marquez, M. R., 1994. Synopsis of biological data on the Kemp's ridley turtle, *Lepidochelys kempi* (Garman, 1880). NOAA Tech Mem. NMFS-SEFC-343.

Matsuzawa, Y., K. Sato, W. Sakamoto, and K.A. Bjorndal. 2002. Seasonal fluctuations in sand temperature: effects on the incubation period and mortality of loggerhead sea turtle (*Caretta caretta*) pre-emergent hatchlings in Minabe, Japan. Marine Biology 140: 639-646.

Martof, B.S.; Palmer, W.M.; Bailey, J.R., and Harrison III, J.R., 1980. Amphibians and reptiles of the Carolinas and Virginia, The University of North Carolina Press, Chapel Hill. Marquez, M. R., 1994. Synopsis of biological data on the Kemp's ridley turtle, *Lepidochelys kempi* (Garman, 1880). NOAA Tech Mem. *NMFS-SEFC-343*.

MCCS (Manomet Center for Conservation Sciences), 2003. International Shorebird Survey. <a href="http://www.shorebirdworld.org">http://www.shorebirdworld.org</a>

McInery, S., 2008. North Carolina Division of Marine Fisheries. Biologist. Personal communication regarding shellfish and finfish landings in Pender County and New Hanover County.

Meyer, P., 1991. Nature Guide to the Carolina Coast, Avian-Cetacean Press, Wilmington, North Carolina.

Mihnovets, N.A., 2003. 2002 Sea turtle monitoring project report Bogue Banks, North Carolina, provisional report, *North Carolina Wildlife Resources Commission*.

Miller, J.D., 1985. Embryology of marine turtles, Biology of the Reptilia, 14A, Gans, C., Billett, F. and Maderson, P.F.A., Eds., Wiley-Interscience, New York.

Miller, J.D., 1997. Reproduction in Sea Turtles. In: Lutz, P.L. and Musick, J.A. (eds.), The Biology of Sea Turtles, CRC Press. Boca Raton, Fig. 51-82.

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, T., 2010. North Carolina Department of Coastal Management. Personal communication regarding the projected rate of sea level rise in North Carolina.

Mitchell, M.K., W. B. Stapp. 1992. Field Manual for Water Quality Monitoring, an environmental education program for schools. GREEN: Ann Arbor, MI.

Mortimer, J.A., 1982. Factors influencing beach selection by nesting sea turtles. In: Bjorndal, K. (ed.), Biology and conservation of Sea Turtles. Smithsonian Institution Press, Washington, D.C., 45 p.

Moser, M. L., and S. W. Ross. 1995. Habitat use and movements of shortnose and Atlantic sturgeons in the lower Cape Fear River, North Carolina. Transactions of the American Fisheries Society 124(2):225–234.

Moser, M. L., J. B. Bichey, and S. B. Roberts. 1998. Sturgeon distribution in North Carolina. Center for Marine Science Research, Wilmington, North Carolina. Final Report to U.S. Army Corps of Engineers, Wilmington District.

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.

Mrosovsky, N. 1995. Temperature and sex ratio. *In*: Bjorndal, K.A. (ed.). Biology and conservation of sea turtles, revised edition. Smithsonian Institution Press, Washington, D.C. 597-98.

Musick, J.A. and Limpus, C.J., 1997. Habitat Utilization and Migration in Juvenile Sea Turtles, In Lutz, P.L. and Musick, J.A. (eds.) *The Biology of Sea Turtles*, CRC Press, New York.

Mixon, R.B. and Pilkey, O.H., 1976. Reconnaissance geology of submerged and emerged Coastal Plain Province, Cape Lookout Area, North Carolina: *U.S. Professional Paper*, 859: 45. NCCF (North Carolina Coastal Federation), 2007. Description of Estuary Habitats. State of the Coast Report. <a href="www.woodrow.org/teachers/esi/1998/r/coastal/coastalsites.htm">www.woodrow.org/teachers/esi/1998/r/coastal/coastalsites.htm</a> Last visited October 10, 2007.

NCDCM (North Carolina Division of Coastal Management), September 2003. CAMA Handbook for Development in Coastal North Carolina. http://dcm2.enr.state.nc.us/Handbook/contents.htm

NCDCM (North Carolina Division of Coastal Management), 2006a. CAMA Handbook for Development in Coastal North Carolina. <a href="http://dcm2.enr.state.nc.us/Handbook/contents.htm">http://dcm2.enr.state.nc.us/Handbook/contents.htm</a>. Last visited March 19, 2007.

NCDCM (North Carolina Division of Coastal Management), 2006b. CAMA Land Use Plan, Wilmington-New Hanover County. Pp. 178.

NCDCM (North Carolina Division of Coastal Management), 2007a. 15A NCAC 07H .0308 Specific Use Standards for Ocean Hazard Areas. <a href="http://ncrules.state.nc.us/ncac/title%2015a%20-%20environment%20and%20natural%20resources/chapter%2007%20-%20coastal%20management/subchapter%20h/15a%20ncac%2007h%20.0308.html">http://ncrules.state.nc.us/ncac/title%2015a%20-%20environment%20and%20natural%20resources/chapter%2007%20-%20coastal%20management/subchapter%20h/15a%20ncac%2007h%20.0308.html</a>

NCDCM (North Carolina Division of Coastal Management), 2007b. 15A NCAC 07H .0312 Technical Standards for Beach Fill Projects. Rule as adopted by the CRC on 1/18/2007 (with changes, as published in 21:03 NCR 263), effective 2/1/2007.

http://ncrules.state.nc.us/ncac/title%2015a%20%20environment%20and%20natural%20resource s/chapter%2007%20%20coastal%20management/subchapter%20h/15a%20ncac%2007h%20.03 12.ht ml

NCDCM (North Carolina Division of Coastal Management), 2008a. 15A NCAC 07H .0205 Coastal Wetlands. Rule effective on 9/9/1977, and amended 1/24/78, 5/1/90, 10/1/93, and 8/1/1998). http://www.nccoastalmanagement.net/Rules/Text/t15a-07h.0200.pdf

NCDCM (North Carolina Division of Coastal Management), 2008b. 15A NCAC 7H .0305 General Identification and Description of Landforms. Rule adopted by the CRC on 10/10/1996, effective 4/1/1997. http://www.nccoastalmanagement.net/Rules/Text/t15a-07h.0300.pdf

NCDENR Shellfish Sanitation, 2008. North Carolina Shellfish Growing Areas and Classification Maps. <a href="http://www.deh.enr.state.nc.us/shellfish/images/maps/B-8%20Map%2043.pdf">http://www.deh.enr.state.nc.us/shellfish/images/maps/B-8%20Map%2043.pdf</a> Last visited May 5, 2008.

NCDENR, 2010. North Carolina Terminal Groin Study Final Report. <a href="http://dcm2.enr.state.nc.us/CRC/tgs/finalreport.html">http://dcm2.enr.state.nc.us/CRC/tgs/finalreport.html</a>

NCDMF (North Carolina Division of Marine Fisheries), August 2001. North Carolina Hard Clam Fishery Management Plan. North Carolina Department of Environment and Natural Resources, 158 pp.

NCDMF (North Carolina Division of Marine Fisheries), July 2003a. North Carolina Hard Clams. http://www.ncdmf.net/habitat/hardclam.htm

NCDMF (North Carolina Division of Marine Fisheries), July 2003b. North Carolina Bay Scallops. http://www.ncdmf.net/habitat/scallops.htm

NCDMF (North Carolina Division of Marine Fisheries), 2004. North Carolina Fishery Management Plan - Blue Crab. Morehead City, North Carolina: North Carolina Department of Environment and Natural Resources, 671p.

NCDMF (North Carolina Division of Marine Fisheries), 2005. Stock Status. Morehead City, North Carolina: North Carolina Division of Marine Fisheries. <a href="https://www.ncfisheries.net/stocks/index.html">www.ncfisheries.net/stocks/index.html</a> (June 2006)

NCNHP (North Carolina Natural Heritage Program), 2006. http://www.ncsparks.net/nhp/search.html NCDWQ (North Carolina Division of Water Quality), April 2003. Classifications and Standards Unit. <a href="https://www.h20.err.state.nc.us/csu">www.h20.err.state.nc.us/csu</a>

NCDWQ (North Carolina Division of Water Quality), 2004. Basinwide Assessment Report-Cape Fear River Basin. Morehead City, North Carolina: North Carolina Division of Water Quality, 336p.

NCDWQ (North Carolina Division of Water Quality), 2006. CSU Surface Water Classification. <a href="http://h2o.enr.state.nc.us/csu/swc.html#HQW">http://h2o.enr.state.nc.us/csu/swc.html#HQW</a>

NCNHP (North Carolina Natural Heritage Program), 2006. <a href="http://www.ncsparks.net/nhp/search.html">http://www.ncsparks.net/nhp/search.html</a>

NCDWR (North Carolina Division of Water Resources). 1991. Currituck County Outer Banks Water Supply Study. Pp. 110. http://www.ncwater.org/Reports and Publications/GWMS Reports/curritucknov91.pdf

Nelson, W.G., 1985. Physical and Biological Guidelines for Beach Restoration Projects. Part 1. Biological Guidelines. Report No. 76. Florida Sea Grant College, Gainesville.

Nelson, D.A. 1991. Issues associated with beach nourishment and sea turtle nesting. Proceedings of the Fourth Annual National Beach Preservation Technology Conference. Florida Shore and Beach Association, Tallahassee, FL, p. 277-294.

Nelson, D.A., K.A. Mauck, and J. Fletemeyer. 1987. Physical effects of beach nourishment on sea turtle nesting, Delray Beach, Florida. Technical Report EL-87–15. USACE Waterways Experiment Station, Vicksburg, Mississippi.

Nelson, D.A., and D.D. Dickerson. 1988. Effects of beach nourishment on sea turtles. In L.S. Tait (ed.) Proceedings of the beach preservation technology conference .88. Florida Shore & Beach Preservation Association, Incorporated; Tallahassee, Florida.

Nicholls, J.L. and Baldassarre, G. A. 1990 Habitat selection and interspecific associations of Piping Plovers along the Atlantic and Gulf Coasts of the United States. Wilson Bulletin 102:581-590.

NMFS (National Marine Fisheries Service), November 1991a. Final Recovery Plan for the Humpback Whale (*Megaptera novaeangliae*). Prepared by the Humpback Whale Recovery Team for the National Marine Fisheries Service, Silver Spring, Maryland. 105 pp.

NMFS (National Marine Fisheries Service), December 1991b. Recovery Plan for the Northern Right Whale (*Eubalaena glacialis*). Prepared by the Right Whale Recovery Team for the National Marine Fisheries Service, Silver Spring, Maryland.

NMFS (National Marine Fisheries Service), April 1999. Final Fishery Management Plan for Atlantic Tuna, Swordfish and Sharks, Chapter 5, p.33.

NMFS (National Marine Fisheries Service), 2006. NOAA Fisheries, Office of Protected Resources, Right Whales (*Eubalaena glacialis / Eubalaena australis*) http://www.nmfs.noaa.gov/pr/species/mammals/cetaceans/rightwhale

NMFS (National Marine Fisheries Service), 2007. The leatherback sea turtle (*Dermochelys coriacea*) five year review: summary and evaluation. 79 p.

NMFS (National Marine Fisheries Service), 2011. Office of Protected Resources – NOAA Fisheries, Atlantic Sturgeon, http://www.nmfs.noaa.gov/pr/species/fish/atlanticsturgeon.htm. Last visited September 26, 2011.

NOAA (National Oceanic and Atmospheric Administration), 2007a. Habitat Protection Division, Examples of Important Habitat Types. <a href="http://www.nmfs.noaa.gov/habitat/habitatprotection/index3.htm">http://www.nmfs.noaa.gov/habitat/habitatprotection/index3.htm</a>. Last visited March 19, 2007.

NOAA (National Oceanic and Atmospheric Administration), 2007b. Black sea bass, *Centropristis striata*, Life History and Habitat Characteristics. Second edition. NOAA Technical Memorandum NMFS-NE-200.

NPS (National Park Service), July 2007. National Park Service and North Carolina State University Present the American Oystercatcher. http://www.nps.gov/caha/parknews/national-park-service-and-north-carolina-stateuniversity-present-the-american-oystercatcher.htm

NRC (National Research Council), 1995. Beach Nourishment and Protection, 107121. National Academy Press, Washington, D.C.

NRC (National Research Council), 1995. Beach Nourishment and Protection, 107121. National Academy Press, Washington, D.C.

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. 2012. Calibration of a Delft3D model for Bald Head Island and the Cape Fear River Entrance. Phase I. Prepared for the Village of Bald Head Island. Prepared by Olsen Associates, Inc. 2618 Herschel Street Jacksonville, FL 32204. April 2012.

O'Mahoney, M., 2009. F8 Homeowners Association. Personal communication regarding the number and value of available lots on Figure Eight Island.

O'Mahoney, M., 2013. F8 Homeowners Association. Personal communication regarding the number and value of available lots on Figure Eight Island.

Overton, M. 2009. North Carolina State University Environmental Engineer. Personal communication regarding the performance of the terminal groin on Pea Island.

Overton, M. 2011. Shoreline Monitoring at Oregon Inlet Terminal Groin. Report prepared for NCDOT, February-June, 2011. 16 pp.

Pashley, D. N.; Beardmore, C.J.; Fitzgerald, J.A.; Ford, R.P.; Hunter, W.C.; Morrison, M.S.; Rosenberg, K.V. 2000. Partners in Flight: Conservation of the land birds of the United States. American Bird Conservancy, The Plains, VA.

Painted Bunting Observer Team. May 2011. UNCW. <a href="http://intraspirit.net/pbot/">http://intraspirit.net/pbot/</a>.

Parnell, J.F.; Golder, W.W., and Henson, T.M., 1994. Atlas of Colonial Waterbirds of North Carolina Estuaries (UNC-SG-95-02) Pp. 117.

Peterson, C.H.; Hickerson, D., and Johnson, G., 2000. Short-term consequences of nourishment and bulldozing on the dominant large invertebrates of a sandy beach. *Journal of Coastal Research*. 16:2:368-378.

Peterson C.H., Bishop M.J., Johnson, G.A., D'Anna, L.M., and Manning, L.M., 2006. Exploiting beach filling as an unaffordable experiment: Benthic intertidal impacts propagating upwards to shorebirds. *Journal of Marine Biology and Ecology* Vol. 338, Pp. 205-221.

Pineda, J., Hare, J., and Sponaugle, S., 2007. Larval Transport and Disposal in the Coastal Ocean and Consequences for Population Connectivity. *Oceanography* Vol. 23, Pp. 22-39.

Posey, M.H., and Alphin, T.D., 2000. Monitoring of benthic faunal responses to sediment removal associated the Carolina Beach and vicinity – Area South Project. Wilmington, NC: Center for Marine Science, University of North Carolina at Wilmington. *CMS Report No. 01-01*, 20pp.

Posey, M. and T. Alphin, 2002. Resilience and Stability in an Offshore Benthic Community: Responses to Sediment Borrow Activities and Hurricane Disturbance. *Journal of Coastal Research*, Vol. 18 (4), Pp. 685-697.

Posey, M. H, and W. G. Ambrose. 1994. Effects of proximity to an offshore hardbottom reef on infaunal abundances. Marine Biology 118:745-753.

Poulter B, Halpin PN. Raster modeling of coastal flooding from sea level rise. International Journal of Geographical Information Sciences 2008; 22:167–82.

Pritchard, P. C. H., 1997. Evolution, phylogeny and current status. Pages 1-28 in Lutz, P.L. and Musick, J.A. (ed.), *The Biology of Sea Turtles*. CRC Press, New York.

Rabon, D.R. Jr., Johnson, S.A., Boettcher, R., Dodd, M., Lyons, M., Murphy, M., Ramsey, S., Roff, S., and Stewart, K. 2003. Marine Turtle Newsletter No. 101, 2003, pp.4.

Rahmstorf, S. 2007. A semi-empirical approach to projecting future sea level rise. *Science*, 315: 368-370.

Rakocinski C.; Heard, R.; LeCroy, S.; McLelland, J., and Simons, T., 1996. Responses by Macrobenthic Assemblages to Extensive Beach Restoration at Perdido Key, FL. USA. *Journal of Coastal Research* 12.1.326-353.

Raymond. P.W. 1984. Sea Turtle Hatchling Disorientation and Artificial Beachfront Lighting. Center for Environmental Education, Washington, DC. 72 pp.

Reilly, F. J. Jr. and B.J. Bellis. 1983. The ecological impact of beach nourishment with dredged materials on the intertidal zone at Bogue Banks, North Carolina. U.S. Army Corps of Engineers, Coastal Engineering Research Center, Fort Belvoir, VA.

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. Inigo-Elias, J.A. Kennedy, A.M. Martell, A.O. Panajabi, D.N. Pashley, K.V. Rosenberg, C.M. Rustay, J.S. Wendt, T.C. Will. 2004. Partners in Flight North American landbird conservation plan. Cornell Lab of Ornithology. Ithaca, NY.

Robinson, G.D. and Dunson, W.A., 1975. Water and sodium balance in the estuarine diamondback terrapin, *Journal of Comparative Physiology*, 105: 129-152.

Rosov, B. and York, D., 2007. Summary of 2007 Post-Construction Sampling Events for the Bogue Inlet Channel Erosion Response Project: Report to Town of Emerald Isle, North Carolina. Coastal Planning & Engineering of North Carolina, Inc. 41p. (Prepared for the Town of Emerald Isle, North Carolina).

Rosov, B. 2009. Town of North Topsail Beach Pre-Construction Bird Monitoring Report. Wilmington, North Carolina: Coastal Planning & Engineering of North Carolina, Inc. 15p.

Ruppert, E.E. and Fox, R.S. (1988). Seashore Animals of the Southeast: a guide to common shallow-water invertebrates of the southeastern Atlantic Coast. University of South Carolina. p.429.

Ryder C. 1991. The effects of beach nourishment on sea turtle nesting and hatch success. Unpublished Report to Sebastian Inlet Tax District Commission, December 1991.

Ryder, C.E. 1993. The effect of beach renourishment on sea turtle nesting and hatching success at Sebastian Inlet State Recreation Area. Blacksburg, Virginia, Virginia Polytechnic Institute and State University, Master's Thesis.

SAFMC (South Atlantic Fishery Management Council), 1998. Final Habitat Plan for the South Atlantic Region: Essential Fish Habitat Requirements for Fishery Management Plans of the South Atlantic Fishery Management Council. The Shrimp Fishery Management Plan, The Red Drum Fishery Management Plan, The Snapper Grouper Fishery Management Plan, The Coastal Migratory Pelagics Fishery Management Plan, The Golden Crab Fishery Management Plan, The Spiny Lobster Fishery Management Plan, The Coral, Coral Reefs, and Live/Hard Bottom Habitat Fishery Management Plan, The Sargassum Habitat Fishery Management Plan, and The Calico Scallop Fishery Management Plan. Charleston, South Carolina: South Atlantic Fishery Management Council, 457p. plus Appendices and Amendments. <a href="http://www.safmc.net/ecosystem/EcosystemManagement/HabitatProtection/SAFMCHabitatPlan/">http://www.safmc.net/ecosystem/EcosystemManagement/HabitatProtection/SAFMCHabitatPlan/</a>

http://www.safmc.net/ecosystem/EcosystemManagement/HabitatProtection/SAFMCHabitatPlan/tabid/80/Default.aspx. Last visited March 20, 2007.

Schmidly, D.J., 1981. *Marine mammals of the southeastern United States coast and the Gulf of Mexico*. U.S. Fish and Wildlife Service – Office of Biological Services Report No. 80/41. 165pp.

Scheweitzer, S. 2011. NCWRC Coastal Waterbird Biologist. Personal communication regarding piping plover nests and breeding pairs on Figure Eight Island and Hutaff Island.

Settle, L.A., 2005. Assessment of Potential Larval Entrainment Mortality Due to Hydraulic Dredging of Beaufort Inlet. NOAA/NOS National Centers for Coastal Ocean Science, Center for Coastal Fisheries and Habitat Research, Beaufort, NC. 6 p.

Shoop, C.R. and Kenney, R.D., 1992. Seasonal distribution and abundances of loggerhead and leatherback sea turtles in waters of the northeastern United States, Herpetological Monographs, Vol. 6, Pp. 43.

Slay, C., 1993. Right Whale Research Project, New England Aquarium. Personal communication regarding the 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. USACOE.

Smith, T. I. J. 1985b. The fishery, biology and management of Atlantic sturgeon, *Acipenser oxyrhynchus*, in North America. Environmental Biology of Fishes 14:61–72.

Steel, J. 1991. Albemarle-Pamlico Estuarine System, technical analysis of status and trends. DENR, Raleigh, NC, APES Report No. 90-01.

Steinitz, M.J., M. Salmon, and J. Wyneken. 1998. Beach renourishment and loggerhead turtle reproduction: A seven year study at Jupiter Island, Florida. Journal of Coastal Research 14: 1000-1013.

Stewart, D. 2009. USFWS Biologist. Personal communication regarding the performance of the terminal groin on Pea Island.

Street, M.W.; Deaton, A.; Chappell, W.S., and Mooreside, P.D., 2004. North Carolina Draft Coastal Habitat Protection Plan. Morehead City, North Carolina: North Carolina Department of Environment and Natural Resources, Division of Marine Fisheries, Pp. 656.

Street, M.W.; Deaton, A.; Chappell, W.S., and Mooreside, P.D., February 2005. *North Carolina Coastal Habitat Protection Plan*. Morehead City, North Carolina: North Carolina.

Sugg, M., 2008. U.S. Army Corps of Engineers. Project Manager. Personal communication regarding sea turtle takes by hopper dredge on the Bogue Banks Project.

Suiter, Dale. 2010. US Fish and Wildlife Service. Endangered Species Biologist. Personal communication regarding seabeach amaranth data collected on Hutaff Island.

Texas Cooperative Research Unit, 2002. Temperate broad-leaved seasonal evergreen forest. (Mainly broad-leaved evergreen with some foliage reduction in the dry season). <a href="http://www.tcru.ttu.edu">http://www.tcru.ttu.edu</a>.

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 and Wildlife Service, FWS/OBS-84/02, 147p.

Timpy, Cathy. 2011. New Hanover County Health Department. Senior Environmental Health Program Specialist. Personal Communication regarding wastewater and drinking water infrastructure on Figure Eight Island.

USACE (U.S. Army Corps of Engineers). 1981. Coastal Engineering Technical Notes. Migration of Fish and Invertebrates Across a Weir of a Weir Jetty. CETN-V-9, pp. 4.

USACE (U.S. Army Corps of Engineers). 1999. Environmental Effect Statement: Manteo (Shallowbag) Bay North Carolina, Draft Supplement #3. U.S. Army Corps of Engineers, Wilmington District, 232p.

USACE (U.S. Army Corps of Engineers, Wilmington District), June 2006. Draft General Reevaluation Report and Draft Environmental Impact Statement, West Onslow Beach and New River Inlet (Topsail Beach), NC. Prepared by the U.S. Army Corps of Engineers, Wilmington District.

USACE (U.S. Army Corps of Engineers, Wilmington District), 2009. Draft Environmental Impact Statement on Beach Nourishment Project. Town of Nags Head, North Carolina. Prepared by the U.S. Army Corps of Engineers, Wilmington District.

US Congress, January 1982. Second session: Coastal Barrier Resources Act, pp. 8.

USEPA (US Environmental Protection Agency), 2006. Laws and Regulations, Clean Water Act. http://www.epa.gov/region5/water/cwa.htm

USCG (U.S. Coast Guard), 2006. Boating Statistics-2006. www.uscgboating.org/.

USFWS (U.S. Fish and Wildlife Service), 1993. *Amaranthus pumilus* (seabeach amaranth) determined to be threatened: Final rule. Federal Register. 58, 65: 18035-18042.

USFWS (U.S. Fish and Wildlife Service), 1996. Piping Plover (*Charadrius melodus*), Atlantic Coast Population, Revised Recovery Plan. Hadley, Massachusetts. 258 pp.

USFWS (U. S. Fish and Wildlife Service), 2001. Federal Register 50 CFU Part 17: Endangered and Threatened Wildlife and Plants; Final Determination of Critical Habitat for Wintering Piping Plovers; Final Rule. Pp. 36038 – 36143.

USFWS (U. S. Fish and Wildlife Service), 2002. Draft Fish and Wildlife Coordination Act Report Bogue Banks Shore Protection Project, Carteret County, North Carolina.

USFWS (U.S. Fish and Wildlife Service), 2003a. Environmental Conservation Online System. <a href="http://ecos.fws.gov">http://ecos.fws.gov</a>.

USFWS (U.S. Fish and Wildlife Service), 2003b. Leatherback Sea Turtles in North Carolina, http://nc-es.fws.gov/reptile/leather.html.

USFWS (U.S. Fish and Wildlife Service), 2003c. Hawksbill Sea Turtles in North Carolina, http://nc-es.fws.gov/reptile/hawksbill.html.

USFWS (U.S. Fish and Wildlife Service), 2003d. Kemp's Ridley Sea Turtles in North Carolina, <a href="http://nc-es.fws.gov/reptile/ridley.html">http://nc-es.fws.gov/reptile/ridley.html</a>.

USFWS (U.S. Fish and Wildlife Service), 2003e. Green Sea Turtles in North Carolina, <a href="http://nc-es.fws.gov/reptile/greensea.html">http://nc-es.fws.gov/reptile/greensea.html</a>.

USFWS (U.S. Fish and Wildlife Service), 2003f. Loggerhead Sea Turtles in North Carolina, <a href="http://nc-es.fws.gov/reptile/logger.html">http://nc-es.fws.gov/reptile/logger.html</a>.

USFWS (U.S. Fish and Wildlife Service), 2004. 2002-2003 Status Update: U.S. Atlantic Coast Piping Plover Population. Sudbury, Massachusetts. 8pp.

USFWS (U.S. Fish and Wildlife Service), 2006. Piping Plovers in North Carolina, http://www.fws.gov/northeast/pipingplover/status/index.html. Updated January 27, 2005.

USFWS (U.S. Fish and Wildlife Service), 2006a. Digest of Federal Resource Laws of Interest to the U.S. Fish and Wildlife Service, Fish and Wildlife Coordination Act of 1958. http://www.fws.gov/laws/laws\_digest/FWACT.HTML

USFWS (U.S. Fish and Wildlife Service), 2006b. Digest of Federal Resource Laws of Interest to the U.S. Fish and Wildlife Service, Migratory Bird Treaty Act of 1918. http://www.thecre.com/fedlaw/legal2a/migtrea.htm

USFWS (U.S. Fish and Wildlife Service), 2006c. Piping Plovers in North Carolina, http://www.fws.gov/northeast/pipingplover/status/index.html. Updated January 27, 2005.

USFWS (U.S. Fish and Wildlife Service), 2007a. <u>Shorebirds: Winging Between Hemispheres.</u> http://www.fws.gov/migratorybirds/shrbird/shrbird.html

USFWS (U.S. Fish and Wildlife Service), 2007b. Preliminary 2006 Atlantic Coast Piping Plover Abundance and Productivity Estimates. <a href="http://www.fws.gov/northeast/pipingplover/pdf/preliminary.06.pdf">http://www.fws.gov/northeast/pipingplover/pdf/preliminary.06.pdf</a> Last accessed July 03, 2007.

USFWS (U.S. Fish and Wildlife Service), 2007c. Preliminary 2006 Atlantic Coast Piping Plover Abundance and Productivity Estimates. http://www.fws.gov/northeast/pipingplover/pdf/preliminary.06.pdf Last accessed July 03, 2007.

USFWS (U.S. Fish and Wildlife Service), 2007d. Seabeach Amaranth (*Amaranthus pumilus*), <a href="http://www.fws.gov/nc-es/plant/seabamaranth.html">http://www.fws.gov/nc-es/plant/seabamaranth.html</a>. Last visited January 11, 2007.

USFWS (U.S. Fish and Wildlife Service), 2008. Piping Plover Atlantic Coast Population, Annual Status Report, <a href="http://www.fws.gov/northeast/pipingplover/status/">http://www.fws.gov/northeast/pipingplover/status/</a>. Last updated January 08, 2008.

Van Dolah, RF, RM Martore, AE Lynch, PH Wendt, MV Levisen, DJ Whitaker, and WD Anderson. 1994. Environmental evaluation of the Folly Beach project. Final Report, USACE, Charleston District and the South Carolina Department of Natural Resources (SCDNR), Marine Resources Division.

Vladykov, V. D., and J. R. Greeley. 1963. Order Acipenseroidei. Pages 24–59 *in* Y. H. Olsen, editor. Fishes of the western North Atlantic. Sears Foundation for Marine Research, New Haven, Connecticut.

Waring, G.T., Palka, D.L., Clapham, P.J., Swartz, S., Rossman, M.C., Cole, T.V.N., Hansen, L.J., Bisack, K.D., Mullin, K.D., Wells, R.S., Odell, D.K., and Barros, N.B. 1999. U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessment (1999). NOAA Technical Memorandum NMFS-NE-153. U.S. Dept. of Commerce, Woods Hole, Massachusetts.

Weakley, A.S. and Bucher, M.A., 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.

Webster, D., 2011. University of North Carolina at Wilmington, Associate Dean for Graduate Studies, Research, and Infrastructure and Professor and Curator of Mammals Personal communication regarding the results of sea turtle nest and seabeach amaranth monitoring on Figure Eight Island.

Wibbels, T., R.E. Martin, D.W. Owens, and M.S. Amoss. 1991. Female-biased sex ratio of immature loggerhead sea turtles inhabiting the Atlantic coastal waters of Florida.

Wilkinson, P.K. and Spinks, M. 1994. Winter distribution and habitat utilization of Piping Plovers in South Carolina. Chat 58: 33-37.

Wilson, Nat, 2013. North Carolina Department of Environmental and Natural Resources, Hydrologist. Personal communication regarding ground water flow through the wetlands on Figure Eight Island.

Witzell, W.N. 1983. Synopsis of Biological Data on the Hawksbill Turtle *Eretmochelys imbricata* (Linnaeus, 1766). Rome, Food & Agric. Org. of United Nations.

Zervas, C., 2004: North Carolina Bathymetry/Topography Sea Level Rise Project: Determination of Sea Level Trends. NOAA technical report NOS CO-OPS 041. NOAA National Ocean Service, Silver Spring, MD, 31 pp. http://tidesandcurrents.noaa.gov/publications/techrpt41.pdf

Ziegler, T.A. and R. Forward, Jr., 2005. Larval Release Rhythm of the Mole Crab *Emerita talpoida* (Say). *Biological Bulletin* 209: 194-203.