

9.0 LITERATURE CITED

- Able, K.W. and S.M. Hagen, 1995. Fishes in the vicinity of Beach Haven Ridge: Annual and Seasonal Patterns of Abundance During the Early 1970s. Institute of Marine and Coastal Sciences, Rutgers University, NJ, Technical Report #95-24, 36 pp.
- Able, K.W. and M.P. Fahay, 1998. The First Year in the Life of Estuarine Fishes in the Middle Atlantic Bight. Rutgers University Press, New Brunswick, NJ, 343 pp.
- Adams, K.T., 1942. Hydrographic Manual. U.S. Department of Commerce, Coast and Geodetic Survey, Special Publication 143, 940 pp.
- Alpine Ocean Seismic Survey, 1988. Identification and Delineation of Potential Borrow Areas for the Atlantic Coast of New Jersey, Asbury Park to Manasquan: Detailed Investigation of the Sea Bright Sand Borrow Areas. Final Report to the U.S. Army Corps of Engineers, Contract #DACW51-87-C-0011, New York District, NY.
- Alpine Ocean Seismic Survey, 1997. Absecon Inlet to Manasquan Inlet, New Jersey: Vibracore Sampling. Final Report to the New Jersey Geological Survey, Trenton, NJ, 46 pp.
- Amato, R.V., 1994. Sand and Gravel Maps of the Atlantic Continental Shelf with Explanatory Text. U.S. Minerals Management Service, OCS Monograph, MMS 93-0037, 35 pp. + 4 maps.
- Anders, F.J. and M.R. Byrnes, 1991. Accuracy of shoreline change rates as determined from maps and aerial photographs. *Shore and Beach*, 59(1): 17-26.
- Applied Biology, Inc., 1979. Biological Studies Concerning Dredging and Beach Nourishment at Duval County, Florida with a Review of Pertinent Literature. U.S. Army Corps of Engineers, Jacksonville District, Jacksonville, FL.
- Arnold, D.W., 1992. The Scientific Rationale for Restricting Coastal Construction Activities During the Marine Turtle Nesting Season. In: L.S. Tait (comp.), *New Directions in Beach Management*. Proceedings of the 5th Annual National Conference on Beach Preservation Technology, St. Petersburg, FL, February 12-14, 1992, pp. 374-380.
- Ashley, G.M., 1987. Recommendations for Inlet Dredge Channel Placement Based on Analysis of Historic Change: Townsends and Hereford Inlets, New Jersey. Final Report to New Jersey Department of Environmental Protection, Rutgers University, New Brunswick, NJ, 64 pp.
- Ashley, G.M., S.D. Halsey, and C.B. Buteux, 1986. New Jersey's Longshore Current Pattern. *Journal of Coastal Research*, 2(4): 453-463.
- Ashley, G.M., R.W. Wellner, D. Esker, and R.E. Sheridan, 1991. Clastic sequences developed during late-Quaternary glacio-eustatic sea-level fluctuations on a passive margin: Example from the inner continental shelf near Barnegat Inlet, New Jersey. *Geological Society of America Bulletin*, 103: 1607-1621.
- Auld, A.H. and J.R. Schubel, 1978. Effects of suspended sediment on fish eggs and larvae: A laboratory assessment. *Estuarine and Coastal Marine Science*, 6: 153-164.
- Bakker, W.T., 1974. Sand concentration in an oscillatory flow. Proceedings of the 14th Conference on Coastal Engineering, ASCE, New York, pp. 1,129-1,148.
- Bakker, W.T. and Th. Van Doorn, 1978. Near-bottom velocities in waves with a current. Proceedings of the 16th Conference on Coastal Engineering, ASCE, New York, pp. 1,394-1,413.

- Banks, G.E. and M.P. Alexander, 1994. Development and Evaluation of a Sea Turtle-Deflecting Hopper Dredge Draghead. U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS, Miscellaneous Paper HL-94-5.
- Barry A. Vittor & Associates, Inc., 1985. Tuscaloosa Trend Regional Data Search and Synthesis Study, Synthesis Report, Volume I. U.S. Department of the Interior, Minerals Management Service, New Orleans, LA, OCS Study MMS 85-0056.
- Barry A. Vittor & Associates, Inc., 1999a. Post-construction Monitoring, Borrow Area Finfish Sampling (BAFS) Summary Report, Section II, Asbury Park to Manasquan, New Jersey. Beach Erosion Control Project Biological Monitoring Program, Prepared for the U.S. Corps of Engineers, New York District.
- Barry A. Vittor & Associates, Inc., 1999b. Pre- and Post-dredging Monitoring of Macroinvertebrate Assemblages at a Borrow Area Located Offshore of Coney Island, New York: 1992-1998 Data Synthesis. Prepared for the U.S. Corps of Engineers, New York District, 10 pp. + app.
- Barry, M., 1978. Behavioral Response of Yellowfin Tuna, *Thunnus albacares*, and Kawakawa, *Euthynnus affinis*, to Turbidity. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Environmental Research Laboratories, Pacific Marine Environmental Laboratory, Seattle, WA. Deep Ocean Mining Environmental Study (DOMES), Unpublished Manuscript Number 31. National Technical Information Service No. PB-297, 106 pp.
- Beardsley, R. C. and W. C. Boicourt, 1981. On estuarine and continental shelf circulation in the Middle Atlantic Bight. In: B. A. Warren and C. Wunsch, eds., Evolution of Physical Oceanography, The MIT Press, pp. 198-233.
- Benfield, M.C. and T.J. Minello, 1996. Relative effects of turbidity and light intensity on reactive distance and feeding of an estuarine fish. Environmental Biology of Fishes, 46: 211-216.
- Berkhoff, J.C.W., N. Booij, and A.C. Radder, 1972. Verification of numerical wave propagation models for simple harmonic linear waves. Coastal Engineering, 6: 255-279.
- Berry, S.A., 1990. Canaveral Harbor Entrance Channel Operational Measures to Protect Sea Turtles. In: D.D. Dickerson and D.A. Nelson (comps.), Proceedings of the National Workshop on Methods to Minimize Dredging Impacts on Sea Turtles, Jacksonville, Florida. U.S. Army Engineer Waterways Experiment Station, Environmental Effects Laboratory, Vicksburg, MS, Miscellaneous Paper EL-90-5, pp. 49-52.
- Biggs, R.B., 1968. Environmental Effects of Overboard Spoil Disposal. Journal of Sanitary Engineering Division 94, No. SA3, Proceeding Paper 5979, pp. 477-478.
- Birkemeier, W.A. and R.A. Dalrymple, 1976. Numerical Models for the Prediction of Wave Set-up and Nearshore Circulation. Ocean Engineering Report No. 3, Department of Civil Engineering, University of Delaware, Newark, DE.
- Blake, N.J., L.J. Doyle, and J.J. Culter, 1995. Impacts and Direct Effects of Sand Dredging for Beach Renourishment on the Benthic Organisms and Geology of the West Florida Shelf. U.S. Department of the Interior, Minerals Management Service, Office of International Activities and Marine Minerals, Herndon, VA. Executive Summary, OCS Report MMS 95-0004, 23 pp. Final Report, OCS Report MMS 95-0005, 109 pp. Appendices, OCS Report MMS 95-0005.

- Blaxter, J.H.S., 1968. Visual thresholds and spectral sensitivity of herring larvae. *Journal of Experimental Biology*, 48: 39-53.
- Blaylock, R.A., J.W. Hain, L.J. Hansen, D.L. Palka, and G.T. Waring, 1995. U.S. Atlantic and Gulf of Mexico Marine Mammal Stock Assessments. NOAA Tech. Mem. NMFS-SEFSC-363, 211 pp.
- Bodge, K.R., 1986. Short Term Impoundment of Longshore Sediment Transport. Ph.D. Dissertation, Department of Coastal and Ocean Engineering, University of Florida, Gainesville, FL, 346 pp.
- Bodge, K.R., 1989. A literature review of the distribution of longshore sediment transport across the surf zone. *Journal of Coastal Research*, 5(2): 307-328.
- Bodge, K.R. and R.G. Dean, 1987. Short-term Impoundment of Longshore Transport. *Proceedings of Coastal Sediments '87*, ASCE, pp. 468-483.
- Boehlert, G.W. and J. B. Morgan, 1985. Turbidity enhances feeding abilities of larval Pacific herring, *Clupea harengus pallasii*. *Hydrobiologia*, 123: 161-170.
- Boesch, D.F., 1972. Species diversity of marine macrobenthos in the Virginia area. *Chesapeake Science*, 13(3): 206-211.
- Boesch, D.F., 1973. Classification and community structure of macrobenthos in the Hampton Roads area, Virginia. *Marine Biology*, 21: 226-244.
- Boicourt, W.C., 1981. Circulation in the Chesapeake Bay entrance region: estuary-shelf interaction. In: J. W. Campbell and J. P. Thomas, eds., *Chesapeake Bay Plume Study: Superflux 1980*. NASA Conference Publication 2188, pp. 61-78.
- Boicourt, W.C., 1982. Estuarine larval retention mechanisms on two scales. In: V. S. Kennedy, ed., *Estuarine Comparisons*. Academic Press, pp. 445-457.
- Bonsdorff, E., 1983. Recovery Potential of Macrozoobenthos from Dredging in Shallow Brackish Waters. In: L. Cabioch et al. (eds.), *Fluctuations and Succession in Marine Ecosystems: Proceedings of the 17th European Symposium on Marine Biology*, Brest: *Oceanologica Acta*, pp. 27-32.
- Bonsdorff, E., R.J. Diaz, R. Rosenberg, A. Norkko, and G.R. Cutter, 1996. Characterization of soft-bottom benthic habitats of the Åland Islands, northern Baltic Sea. *Mar. Ecol. Prog. Ser.*, 142: 235-245.
- Booij, N., 1983. A note on the accuracy of the mild-slope equation. *Coastal Engineering*, 7:191-203.
- Borgman, L.E., 1985. Directional Spectrum Estimation for the S_{xy} Gauges. Technical Report, U.S. Army Engineer Waterways Experiment Station, Coastal Engineering Research Center, Vicksburg, MS, pp. 1-104.
- Bowen, P.R. and G.A. Marsh, 1988. Benthic Faunal Colonization of an Offshore Borrow Pit in Southeastern Florida. U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS, Miscellaneous Paper D-88-5.
- Breitburg, D.L., 1988. Effects of turbidity on prey consumption by striped bass larvae. *Transactions of the American Fisheries Society*, 117:72-77.
- Bretschneider, C.L., 1968. Significant waves and wave spectrum. *Ocean Industry*, pp. 40-46.
- Brodziak, J.K.T. and W.K. Macy III, 1996. Growth of longfinned squid, *Loligo pealeii*, in the northwest Atlantic. *Fishery Bulletin*, 94:212-236.

- Brodziak, J. and L. Hendrickson, 1999. An analysis of environmental effects on survey catches of squids *Loligo pealei* and *Illex illecebrosus* in the northwest Atlantic. *Fishery Bulletin*, 97:9-24.
- Brooks, R.M. and W.D. Corson, 1984. Summary of Archived Study Pressure, Wind, Wave, and Water Level Data. U.S. Army Engineer Waterways Experiment Station, Wave Information Study, Vicksburg, MS, WIS Report 13.
- Bruton, M.N., 1985. The effects of suspensoids on fish. *Hydrobiologia*, 125: 221-241.
- Bumpus, D. F., 1973. A description of the circulation on the continental shelf of the east coast of the United States. *Progress in Oceanography*, 6: 111-157.
- Burke, V.J., S.J. Morreale, P. Logan, and E.A. Standora, 1992. Diet of Green Turtles (*Chelonia mydas*) in the Waters of Long Island, New York. In: M. Salmon and J. Wyneken (eds.), *Proceedings of the Eleventh Annual Workshop on Sea Turtle Biology and Conservation*, NOAA Tech. Memo. NMFS-SEFC-302, pp. 140-142.
- Burke, V.J., E.A. Standora, and S.J. Morreale, 1993. Diet of juvenile Kemp's ridley and loggerhead sea turtles from Long Island, New York. *Copeia*, 1993: 1,176-1,180.
- Buteux, C.B., 1982. Variations In Magnitude And Direction Of Longshore Currents Along The Central New Jersey Coast. M.S. Thesis, Rutgers University, New Brunswick, 132 pp.
- Byles, R.A., 1988. Satellite Telemetry of Kemp's Ridley Sea Turtle, *Lepidochelys kempii*, in the Gulf of Mexico. Report to the National Fish and Wildlife Foundation, 40 pp.
- Byrnes, M.R. and C.G. Groat, 1991. Characterization of the Development Potential of Ship Shoal Sand for Beach Replenishment of Isles Dernieres. Final Report, U.S. Department of the Interior, Minerals Management Service, Office of International Activities and Marine Minerals, Herndon, VA, 164 pp.
- Byrnes, M.R. and M.W. Hiland, 1994. Compilation and analysis of shoreline and bathymetry data (Appendix B). In: N.C. Kraus, L.T. Gorman, and J. Pope (editors), *Kings Bay Coastal and Estuarine Monitoring and Evaluation Program: Coastal Studies. Technical Report CERC-94-09*, U.S. Army Engineer Waterways Experiment Station, Coastal Engineering Research Center, Vicksburg, MS, pp. B1-B89.
- Byrnes, M.R., R.M. Hammer, B.A. Vittor, J.S. Ramsey, D.B. Snyder, K.F. Bosma, J.D. Wood, T.D. Thibaut, and N.W. Phillips, 1999. Environmental Study of Identified Sand Resource Areas Offshore Alabama: Volume I: Main Text, Volume II: Appendices. U.S. Department of the Interior, Minerals Management Service, International Activities and Marine Minerals Division (INTERMAR), Herndon, VA. OCS Report MMS 99-0052, 326 pp. + 132 pp. appendices.
- Cadrin, S.X., 1998. Longfin Inshore Squid. In: S.H. Clark (ed.), *Status of Fishery Resources off the Northeastern United States for 1998*. U.S. Department of Commerce, NOAA Tech Mem. NMFS-NE-115, pp. 118-119.
- Caldwell, J.M., 1966. Coastal Processes and Beach Erosion. *Journal of the Society of Civil Engineers*, 53(2):142-157.
- Carr, A., 1987. New perspectives on the pelagic stage of sea turtle development. *Conservation Biology*, 1: 103-121.
- Centre for Cold Ocean Resources Engineering (C-CORE), 1995. Proposed Marine Mining Technologies and Mitigation Techniques: A Detailed Analysis With Respect to the Mining of Specific Offshore Mineral Commodities. Contract report for U.S. Department of the

- Interior, Minerals Management Service, OCS Report MMS 95-0003, C-CORE Publication 96-C15, 280 pp. + apps.
- Chaillou, J.C. and L.C. Scott, 1997. Evaluation of Benthic Macrofaunal Resources at Potential Sand Borrow Sources: Brigantine Inlet to Great Egg Harbor Inlet, Atlantic County, New Jersey. Prepared by Versar, Inc. for the U.S. Army Corps of Engineers, Environmental Resources Branch, Philadelphia District, Philadelphia, PA, Contract No. DACW61-95-D-0011.
- Chang, S., F.W. Steimle, Jr., R.N. Reid, S.A. Fromm, V.S. Zdanowicz, and R.A. Pikanowski, 1992. Association of benthic macrofauna with habitat types and quality in the New York Bight. *Marine Ecology Progress Series*, 89: 237-251.
- Chuang, W. S., D. P. Wang and W. C. Boicourt, 1979. Low-Frequency current variability on the southern Mid-Atlantic Bight, *Journal Physical Oceanography*, 9: 1144-1154.
- Coastal Oceanographics, 1996. Hypack Navigation Software Version 6.4.
- Coastline Surveys Limited, 1998. Marine Aggregate Mining Benthic and Surface Plume Study. Final report to the U.S. Department of the Interior, Minerals Management Service and Plume Research Group, Report 98/555/03, 168 pp.
- Cowen, R.K., J.A. Hare, and M.P. Fahay, 1993. Beyond hydrography: Can physical processes explain larval fish assemblages within the Middle Atlantic Bight? *Bulletin of Marine Science*, 53(2): 567-587.
- Crowell, M., S.P. Leatherman, and M.K. Buckley, 1991. Historical shoreline change: Error analysis and mapping accuracy. *Journal of Coastal Research*, 7(3): 839-852.
- Cruikshank, M.J., J.P. Flanagan, B. Holt, and J.W. Padan, 1987. Marine Mining on the Outer Continental Shelf: Environmental Effects Overview. U.S. Department of the Interior, Minerals Management Service, OCS Report 87-0035, 66 pp.
- Csanady, G. T., 1982. *Circulation in the Coastal Ocean*. D. Reidel Publishing Company, Dordrecht, Holland, 279 pp.
- Cutter, G.R., Jr. and R.J. Diaz, 1998. Environmental Studies Relative to Potential Sand Mining in the Vicinity of the City of Virginia Beach, Virginia. Part 1: Benthic Habitats and Biological Resources Off the Virginia Coast 1996 and 1997. Prepared under MMS Cooperative Agreement 14-35-0001-3087 through Virginia Institute of Marine Science, College of William & Mary. 26 pp. + appendices.
- Davis, H.C. and H. Hidu, 1969. Effects of turbidity-producing substances in sea water on eggs and larvae of three genera of bivalve mollusks. *Veliger*, 11(4): 316-323.
- Day, M.E., L.C. Schaffner, and R.J. Diaz. 1988. Long Island Sound sediment quality survey and analyses. Tetra Tec, Rpt. to NOAA, NOS, OMA, Rockville, MD. 113 pp.
- Diaz, R.J. and L.C. Schaffner, 1988. Comparison of sediment landscapes in the Chesapeake Bay as seen by surface and profile imaging. In: M. P. Lynch and E. C. Krome, eds. *Understanding the estuary; Advances in Chesapeake Bay research*. Chesapeake Res. Consort. Pub. 129, CBP/TRS 24/88, pp. 222-240.
- Dickerson, D.D., 1990. Workgroup 1 Summary. In: D.D. Dickerson and D.A. Nelson (comps.), *Proceedings of the National Workshop on Methods to Minimize Dredging Impacts on Sea Turtles*, Jacksonville, FL. U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS, Miscellaneous Paper EL-90-5, 89 pp.

- Dickerson, D.D., D.A. Nelson, M. Wolff, and L. Manners, 1992. Summary of Dredging Impacts on Sea Turtles: Kings Bay, Georgia and Cape Canaveral, Florida. In: M. Salmon and J. Wyneken (comps.), Proceedings of the Eleventh Annual Workshop on Sea Turtle Biology and Conservation, Jekyll Island, GA. NOAA Tech. Mem. NMFS-SEFSC-302, pp. 148-151.
- Dickerson, D.D., K.J. Reine, and D.G. Clarke, 1998. Economic Impacts of Environmental Windows Associated with Dredging Operations. U.S. Army Engineer Waterways Experiment Station, Research and Development Center, Vicksburg, MS. DOER Tech. Note: Collection (TN DOER-E3).
- Dill, C.E. and H.J. Miller, 1982. Bathymetric and geologic study of a proposed outfall at Avalon, New Jersey. In: Waterway Handling Facilities, Cape May County, Appendix C, 17: 1-18.
- Dodd, C.K., Jr., 1988. Synopsis of the Biological Data on the Loggerhead Sea Turtle *Caretta caretta* (Linnaeus 1758). U.S. Fish and Wildlife Service Biological Report 88(4), 110 pp.
- Donahue, J.J., R.C. Allen, and B.C. Heezen, 1966. Sediment size determining profile on the continental shelf off New Jersey. *Sedimentology*, 7: 155-159.
- Doyle, M.J., W.W. Morse, and A.W. Kendall, Jr., 1993. A comparison of larval fish assemblages in the temperate zone of the northeast Pacific and northwest Atlantic oceans. *Bulletin of Marine Science*, 53(2): 588-644.
- Duane, D.B., M.E. Field, E.P. Meisburger, D.J.P. Swift, and S.J. Williams, 1972. Linear shoals on the Atlantic inner continental shelf, Florida to Long Island. In: D.J.P. Swift, D.B. Duane, and O.H. Pilkey (editors), Shelf Sediment Transport: Process and Pattern. Dowden Hutchinson, and Ross. Stroudsburg, PA, pp. 447-498.
- Duane, D.B. and W.L. Stubblefield, 1988. Sand and gravel resources: U.S. Atlantic Continental Shelf. In: R.E. Sheridan and J.A. Grow (editors), The Atlantic Continental Margin: U.S., Volume I-2, The Geology of North America, Geological Society of America, Boulder, CO, pp. 481-500.
- Ebersole, B.A. and R.A. Dalrymple, 1979. A Numerical Model for Nearshore Circulation Including Convective Acceleration and Lateral Mixing. Ocean Engineering Report No. 21, Department of Civil Engineering, University of Delaware, Newark, DE.
- Ebersole, B.A. and R.A. Dalrymple, 1980. Numerical Modeling of Nearshore Circulation. Proceedings of the 17th Coastal Engineering Conference, Sydney, pp. 2,710-2,725.
- Eckert, K.L., 1995. Leatherback Sea Turtle, *Dermochelys coriacea*. In: P.T. Plotkin (ed.), National Marine Fisheries Service and U. S. Fish and Wildlife Service Status Reviews for Sea Turtles Listed Under the Endangered Species Act of 1973, Silver Spring, MD.
- Eckert, S.A., D.W. Nellis, K.L. Eckert, and G.L. Kooyman, 1986. Diving patterns of two leatherback sea turtles (*Dermochelys coriacea*) during interesting intervals at Sandy Point, St. Croix, U.S. Virgin Islands. *Herpetologica*, 42(3): 381-388.
- Ellis, M.Y., 1978. Coastal Mapping Handbook. U.S. Department of the Interior, Geological Survey, U.S. Department of Commerce, National Ocean Service, U.S. Government Printing Office, Washington, D.C., 199 pp.
- Emery, K.O. and E. Uchupi, 1965. Structure of Georges Bank. *Marine Geology*, 3: 349-358.
- Emery, K.O., R.L. Wigley, A.S. Barlett, M. Rubin, and E.S. Barghoorn, 1967. Freshwater peat on the continental shelf. *Science*, 158: 1301-1307.

- Farrell, S.C. and S.P. Leatherman, 1989. Computer-based Coastal Erosion Rate Maps for the State of New Jersey and Its Inlets. New Jersey Department of Environmental Protection, Coastal Resources, Contract # C29059 and 29312, Trenton, NJ, 43 pp., 143 maps.
- Fauchald, K. and P. Jumars, 1979. The diet of worms: a study of polychaete feeding guilds. *Oceanography and Marine Biology Annual Review*, 17: 193-284.
- Fenchel, T., 1969. The ecology of marine microbenthos. IV. Structure and function of the benthic ecosystem, its chemical and physical factors and microfauna communities with special reference to the ciliated Protozoa. *Ophelia* 6:1-182.
- Field, M.E. and D.B. Duane, 1976. Post Pleistocene history of the United States inner continental shelf: Significance to the origin of barrier islands. *Geological Society of America Bulletin*, 87: 691-702.
- Fischer, W. (ed.), 1978. FAO Species Identification Sheets for Fishery Purposes, Western Central Atlantic (Fishing Area 31), Volume VI.
- Flagg, C.N., 1977. The kinematics and dynamics of the New England continental shelf and shelf/slope front. Ph.D. Thesis, Massachusetts Institute of Technology/Woods Hole Oceanographic Institution, WHOI Ref. 77-67, 207 pp.
- Folk, R.L., 1974. Petrology of sedimentary rocks. Hemphill's, Austin, Texas, 170 pp.
- Frank, W.M. and G.M. Friedman, 1973. Continental shelf sediments off New Jersey. *Journal of Sedimentary Petrology*, 43(1): 224-237.
- Frazier, N.B., 1995. Loggerhead sea turtle, *Caretta caretta*. In: P.T. Plotkin (ed.), National Marine Fisheries Service and U. S. Fish and Wildlife Service Status Reviews for Sea Turtles Listed under the Endangered Species Act of 1973. Silver Spring, MD.
- Fredsoe, J. and R. Deigaard, 1992. Mechanics of Coastal Sediment Transport. World Scientific, New Jersey, 392 pp.
- Garlo, E. and N. Saffian, 1976. Ponar grab. In: C.B. Milstein and D.L. Thomas (eds.), Ecological Studies in the Bays and Other Waterways Near Little Egg Inlet and in the Ocean in the Vicinity of the Proposed Site for the Atlantic Generating Station, New Jersey. Progress Report January-December 1975, Ichthyological Associates, Inc., Absecon, NJ., pp. 69-80, 239-249.
- Gaskin, D.E., 1992. The status of the harbour porpoise. *Canadian Field-Naturalist*, 106: 36-54.
- Gilbert, R.O., 1987. Statistical Methods for Environmental Pollution Monitoring. Van Nostrand Reinhold, New York, NY, 320 pp.
- Goldberg, W.M., 1989. Biological Effects of Beach Nourishment in South Florida: The Good, the Bad, and the Ugly. Proceedings of Beach Preservation Technology, 1988, Shore and Beach Preservation Association, Tallahassee, FL.
- Graf, G., 1992. Pelagic-benthic coupling: a benthic perspective. *Oceanogr. Mar. Biol. Annu. Rev.*, 30:149-190.
- Grant, G.C., 1991. Chaetognatha from the central and southern Middle Atlantic Bight: Species composition, temperature salinity relationships, and interspecific associations. *Fishery Bulletin*, 89(1): 33-40.
- Grant, U.S., 1943. Waves as a transporting agent. *American Journal of Science*, 241: 117-123.
- Grant, W.D. and O.S. Madsen, 1978. Bottom Friction Under Waves in the Presence of a Weak Current. NOAA Tech Rep. ERL-MESA-29, 150 pp.

- Grant, W.D. and O.S. Madsen, 1979. Combined wave and current interaction with a rough bottom. *Journal of Geophysical Research*, 84 (C4): 1,797-1,808.
- Grassle, J.F. and J.P. Grassle, 1974. Opportunistic life histories and genetic systems in marine benthic polychaetes. *Journal of Marine Research*, 32: 253-284.
- Gray, J.S., 1974. Animal-sediment relationships. *Oceanography and Marine Biology Annual Review*, 12: 223-261.
- Grober, L.E., 1992. The Ecological Effects of Beach Replenishment. M.S. Thesis, Duke University, School of the Environment, NC, 109 pp.
- Grosslein, M.D., 1976. Some Results of Fish Surveys in the Mid-Atlantic Important for Assessing Environmental Impacts. In: G. Gross (ed.), *Middle Atlantic Continental Shelf and the New York Bight, Proceedings of the Symposium*, American Museum of Natural History, New York City, 1975, American Society of Limnology and Oceanography, Inc., Allen Press, Inc., Lawrence, KS, pp. 312-328
- Hales, L.S., Jr., R.S. McBride, E.A. Bender, R.L. Hoden, and K.W. Able, 1995. Characterization of Non-Target Invertebrates and Substrates from Trawl Collections During 1991-92 at Beach Haven Ridge (LEO-15) and Adjacent Sites in Great Bay and on the Inner Continental Shelf Off New Jersey. Institute of Marine and Coastal Sciences, Rutgers University, NJ, Contribution No. 95-09, 34 pp.
- Hall, S.J., 1994. Physical disturbance and marine benthic communities: Life in unconsolidated sediments. *Oceanography and Marine Biology Annual Review*, 32: 179-239.
- Hallermeier, R.J., 1981. A profile zonation for seasonal sand beaches from wave climate. *Coastal Engineering*, 4: 253-277.
- Hammer, R.M., 1981. Day-night differences in the emergence of demersal zooplankton from a sand substrate in a kelp forest. *Marine Biology*, 62: 275-280.
- Hammer, R.M. and R.C. Zimmerman, 1979. Species of demersal zooplankton inhabiting a kelp forest ecosystem off Santa Catalina Island, California. *Bulletin of Southern California Academy of Sciences*, 78(3): 199-206.
- Hammer, R.M., B.J. Balcom, M.J. Cruickshank, and C.L. Morgan, 1993. Synthesis and Analysis of Existing Information Regarding Environmental Effects of Marine Mining. Final Report by Continental Shelf Associates, Inc. for the U.S. Department of the Interior, Minerals Management Service, Office of International Activities and Marine Minerals, Herndon, VA, OCS Study MMS 93-0006, 392 pp.
- Harris, T.F.W., J.M. Jordan, W.R. McMurray, C.J. Verwey, and F. P. Anderson, 1963. Mixing in the surf zone. *International Journal of Air and Water Pollution*, 7: 649-667.
- Hasselmann, K.T., Barnett, E. Bouws, H. Carlson, D. Cartwright, K. Enke, J. Ewing, H. Gienapp, D. Hasselmann, P. Kruseman, A. Meerburgh, P. Muller, D. Olbers, K. Richter, W. Sell, and H. Walden, 1973. Measurement of wind-wave growth and swell decay during the joint north sea wave project (JONSWAP). *Deutsches Hydrographisches Zeitschrift Reihe A* (8⁰), No. 12.
- Hendrickson, L., 1998. Northern Shortfin Squid. In: S.H. Clark (ed.), *Status of Fishery Resources Off the Northeastern United States for 1998*. U.S. Department of Commerce, NOAA Tech Mem. NMFS-NE-115, pp. 116-117.
- Herbich, J.B., 1992. *Handbook of Dredging Engineering*. McGraw-Hill, Inc., NY, NY, 740 pp.

- Herbich, J.B. and S.B. Brahme, 1991. Literature Review and Technical Evaluation of Sediment Resuspension During Dredging. U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS., Contract Report HL-91-1.
- Hirota, J., 1981. Potential effects of deep-sea minerals mining on macrozooplankton in the north equatorial Pacific. *Marine Mining*, 3(1/2): 19-57.
- Houston, J.R., 1995. Beach nourishment, coastal forum. *Shore and Beach*, January, 21-24.
- Hrabovsky, L., 1990. Hydraulic Cutterhead Pipeline Dredging. In: D.D. Dickerson and D.A. Nelson (comps.), *Proceedings of the National Workshop on Methods to Minimize Dredging Impacts on Sea Turtles*, Jacksonville, FL. U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS, Miscellaneous Paper EL-90-5, pp. 56-58. <http://bigfoot.wes.army.mil/cetn.index.html#part2>.
- Hu, V.J.H., 1981. Ingestion of deep-sea mining discharge by five species of tropical copepods. *Water, Air, and Soil Pollution*, 15: 433-440.
- Hubertz, J.M., R.M. Brooks, W.A. Brandon, and B.A. Tracy, 1993. Hindcast Wave Information for the U.S. Atlantic Coast. WIS Report 30, U.S. Army Engineer Waterways Experiment Station, Coastal Engineering Research Center, Wave Information Study, Vicksburg, MS.
- Hughes, S.A., 1984. The TMA Shallow-water Spectrum Description and Applications. Technical Report, CERC-84-7, U.S. Army Engineer Waterways Experiment Station, Coastal Engineering Research Center, Vicksburg, MS.
- Ingle, R.M., 1952. Studies on the Effect of Dredging Operations Upon Fish and Shellfish. Florida State Board of Conservation, Technical Series 5, 26 pp.
- Jefferson, T.A., S. Leatherwood, and M.A. Webber, 1993. *FAO Species Identification Guide. Marine Mammals of the World*. Rome, FAO, 320 pp.
- Johnson, R.O. and W.G. Nelson, 1985. Biological effects of dredging in an offshore borrow area. *Florida Scientist*, 48: 166-188.
- Johnston, D.D. and D.J. Wildish, 1982. Effect of suspended sediment on feeding by larval herring (*Clupea harengus harengus* L.). *Bulletin of Environmental Contamination and Toxicology*, 29: 61-67.
- Jokiel, P.L., 1989. Effects of marine mining dredge spoils on eggs and larvae of a commercially important species of fish, the Mahimahi (*Coryphaena hippurus*). *Marine Minerals*, 8: 305-315.
- Jones, D.S., I. Thompson, and W. Ambrose, 1978. Age and growth rate determinations for the Atlantic surf clam *Spisula solidissima* (Bivalvia: Mactracea), based on internal growth lines in shell cross-sections. *Marine Biology*, 47: 63-70.
- Jones, G. and S. Candy, 1981. Effects of dredging on the macrobenthic infauna of Botany Bay. *Australian Journal of Marine and Freshwater Research*, 32: 379-399.
- Jonsson, I.G., 1966. Wave boundary layers and friction factors. *Proceedings of the 10th Conference on Coastal Engineering*, Tokyo, ASCE, New York, NY, pp. 1: 127-148.
- Jonsson, I.G., 1980. A new approach to oscillatory rough turbulent boundary layers. *Ocean Engineering*, 7: 109-152.
- Judkins, D.C., C.D. Wirick, and W.E. Esaias, 1980. Composition, abundance, and distribution of zooplankton in the New York Bight, September 1974-September 1975. *Fishery Bulletin*, 77(3): 669-684.

- Kajiura, K., 1964. On the bottom friction in an oscillatory current. *Bulletin of Earthquake Research, Inst. Tokyo University*, 42(99): 147-174.
- Kajiura, K., 1968. A model for the bottom boundary layer in water waves. *Bulletin of Earthquake Research, Inst. Tokyo University*, 46: 75-123.
- Kamphuis, J.W., 1975. Friction under oscillatory waves. *Journal of Waterways and Harbors, Coastal Engineering Division, ASCE*, 101: 135-144.
- Kane, J., 1997. Persistent spatial and temporal abundance patterns for late-stage copepodites of *Centropages hamatus* (Copepoda: Calanoida) in the U.S. northeast continental shelf ecosystem. *Fishery Bulletin*, 95 (1): 85-98.
- Kenney, R.D., 1990. Bottlenose Dolphins off the Northeastern United States. In: S. Leatherwood and R. R. Reeves (eds.), *The Bottlenose Dolphin*. Academic Press, San Diego, CA, pp. 369-386.
- Kerr, S.J., 1995. Silt, Turbidity and Suspended Sediments in the Aquatic Environment: An Annotated Bibliography and Literature Review. Ontario Ministry of Natural Resources, Southern Region Science and Technology Transfer Unit, Technical Report TR-008, 277 pp.
- Kirby, J.T., 1983. Propagation of weakly-nonlinear surface water waves in regions with varying depth and current. ONR Tech. Rept. 14, Res. Rept. CE-83-37, Department of Civil Engineering University of Delaware, Newark.
- Kirby, J.T., 1984. A note on linear surface wave-current interaction. *Journal of Geophysical Research*, 89: 745-747.
- Kirby, J.T. and R.A. Dalrymple, 1983a. A parabolic equation for the combined refraction-diffraction of stokes waves by mildly varying topography. *Journal of Fluid Mechanics* 136: 543-566.
- Kirby, J.T. and R.A. Dalrymple, 1983b. The propagation of weakly nonlinear waves in the presence of varying depth and currents. *Proceedings of the 20th Congress I.A.H.R., Moscow*.
- Kirby, J.T. and R.A. Dalrymple, 1984. Verification of a parabolic equation for propagation of weakly non-linear waves. *Coastal Engineering*, 8: 219-232.
- Kirby, J.T. and H.T. Ozkan, 1994. Combined refraction/diffraction model for spectral wave conditions, REF/DIF S. v. 1.1, no. CACR-94-04, Center for Applied Coastal Research, Newark, DE.
- Kirk, K. L., 1992. Effects of suspended clay on *Daphnia* body growth and fitness. *Freshwater Biology*, 28: 102-109.
- Klitgord, K.D., D.R. Hutchinson, and H. Schouten, 1988. U.S. Atlantic continental margin: structural and tectonic framework. In: R.E. Sheridan and J.A. Grow (editors), *The Atlantic Continental Margin: U.S., Volume I-2, The Geology of North America*, Geological Society of America, Boulder, CO, pp. 19-55.
- Knebel, H.J., 1981. Processes controlling the characteristics of the surficial sand sheet, U.S. Atlantic outer continental shelf. *Marine Geology*, 42: 349-368.
- Knebel, H.J. and E.C. Spiker, 1977. Thickness and age of surficial sand sheet, Baltimore Canyon Trough area. *American Association of Petroleum Geologists Bulletin*, 61:861-871.

- Knight, D.W., 1978. Review of oscillatory boundary layer flow. *Journal of the Hydraulics Division, ASCE*, 104(HY6): 839-855.
- Kocik, J., 1998a. River Herring. In: S.H. Clark (ed.), *Status of Fishery Resources off the Northeastern United States for 1998*. U.S. Department of Commerce, NOAA Tech Mem. NMFS-NE-115, pp. 134-135.
- Kocik, J., 1998b. American Shad. In: S.H. Clark (ed.), *Status of Fishery Resources off the Northeastern United States for 1998*. U.S. Department of Commerce, NOAA Tech Mem. NMFS-NE-115, pp. 136-137.
- Komar, P.D. and D.L. Inman, 1970. Longshore sand transport on beaches. *Journal of Geophysical Research*, 75(30): 5,914-5,927.
- Kraus, N.C. and T.O. Sasaki, 1979. Influence of wave angle and lateral mixing on the longshore current. *Marine Science Communications*, 5(2): 91-126.
- Kraus, N.C., N.W. Scheffner, H. Hanson, L.W. Chou, M.A. Cialone, J.M. Smith, and T.A. Hardy, 1988. *Coastal Processes at Sea Bright to Ocean Township, New Jersey*. Miscellaneous Paper CERC-88-2, U.S. Army Corps of Engineers, Waterways Experiment Station, Coastal Engineering Research Center, Vicksburg, MS, 142 p.
- Kraus, N.C. and M. Larson, 1991. NMLONG: Numerical Model for Simulating the Longshore Current; Report 1, Model Development and Tests. Technical Report DRP-91-1, U.S. Army Engineer Waterways Experiment Station, Dredged Material Research Program, Vicksburg, MS, 166 pp.
- Kraus, S.D., A.R. Knowlton, and J.H. Prescott, 1988. *Surveys for Wintering Right Whales (Eubalaena glacialis) Along the Southeastern United States, 1984-1988*. Final report to the Department of the Interior, Minerals Management Service, Branch of Environmental Studies, Washington, DC, 19 pp. + app.
- Kraus, S.D., R.D. Kenney, A.R. Knowlton, and J.N. Ciano, 1993. *Endangered Right Whales of the Southwestern North Atlantic*. Final report to the Department of the Interior, Minerals Management Service, Atlantic OCS Region, Herndon, VA, 69 pp.
- Kropp, R.K., 1995a. *Brigantine Inlet to Great Egg Harbor Inlet, Atlantic County, New Jersey: Benthic Animal Assessment of Potential Borrow Source*. Report prepared for the U.S. Army Corps of Engineers, Philadelphia District, Philadelphia, PA, Contract No. DAAL03-91-C-0034.
- Kropp, R.K., 1995b. *Environmental Post-dredge Monitoring, Great Egg Harbor Inlet and Peck Beach, Ocean City, New Jersey*. Prepared for the U.S. Army Corps of Engineers, Philadelphia District, Philadelphia, PA by Battelle Ocean Sciences, Duxbury, MA, Contract DACW61-95-C-001, 44 pp. + app.
- Lange, A.M.T. and M.P. Sissenwine, 1980. Biological considerations relevant to the management of squid (*Loligo pealei* and *Illex illecebrosus*) of the northwest Atlantic Mar. *Fish. Rev.*, 42(7-8): 23-38.
- Larson, K.W. and C.E. Moehl, 1988. Entrainment of Anadromous Fish by Hopper Dredge at the Mouth of the Columbia River. In: C.A. Simenstad (ed.), *Effects of Dredging on Anadromous Pacific Coast Fishes*, Workshop Proceedings, University of Washington Sea Grant, pp. 102-112.
- Larson, M. and N.C. Kraus, 1995. Prediction of Cross-shore Sediment Transport at Different Spatial and Temporal Scales. In: J.H. List and J.H.J. Terwindt (eds.), *Large-Scale Coastal Behavior*, Marine Geology Special Issue, 126(1/4): 111-128.

- 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. U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS, Technical Report D-91-1, 74 pp.
- Lenhardt, M.L., 1994. Seismic and Very Low Frequency Sound Induced Behaviors in Captive Loggerhead Marine Turtles (*Caretta caretta*). In: K.A. Bjorndal, A.B. Bolten, D.A. Johnson, and P.J. Eliazar (comps.), Proceedings of the Fourteenth Annual Symposium on Sea Turtle Biology and Conservation, Hilton Head, SC, U.S. Department of Commerce, National Oceanic and Oceanographic Administration, National Marine Fisheries Service, Southeast Fisheries Science Center, Miami, FL.
- Lohofener, R., W. Hoggard, K. Mullin, C. Roden, and C. Rogers, 1990. Association of Sea Turtles with Petroleum Platforms in the North-central Gulf of Mexico. U.S. Department of the Interior, Minerals Management Service, Gulf of Mexico OCS Region, New Orleans, LA, OCS Study MMS 90-0025, 90 pp.
- Longuet-Higgins, M.S., 1970. Longshore currents generated by obliquely incident sea waves, parts 1 and 2. *Journal of Geophysical Research*, 75(33): 6,778-6,801.
- Loosanoff, V.L., 1962. Effects of turbidity on some larval and adult bivalves. Proceedings of the 14th Annual Session, Gulf and Caribbean Fisheries Institute, pp. 80-95.
- Louis Berger Group, 1999. Use of Federal Offshore Sand Resources for Beach and Coastal Restoration in New Jersey, Maryland, Delaware, and Virginia. U.S. Department of the Interior, Minerals Management, OCS Study MMS 99-0036, 355 pp.
- Lozano, C.J. and P.L.F. Liu, 1980. Refraction-diffraction model for linear surface water waves. *Journal of Fluid Mechanics*, 101(4): 705-720.
- Lutcavage, M. and J.A. Musick, 1985. Aspects of the biology of sea turtles in Virginia. *Copeia*, 1985(2): 449-456.
- MacArthur, R.H., 1960. On the relative abundance of species. *American Naturalist*, 94: 25-36.
- MacArthur, R.H. and E.O. Wilson, 1967. *Theory of Island Biogeography*. Princeton University Press, Princeton, NJ, 203 pp.
- Madsen, O.S. and W.D. Grant, 1976. Sediment Transport in the Coastal Environment. Report No. 209, MIT, Department of Civil Engineering, Cambridge, MA, 105 pp.
- Madsen, O.S. and W.D. Grant, 1977. Quantitative description of sediment transport by waves. Proceedings 15th International Coastal Engineering Conference, ASCE, New York, NY, pp. 1,093-1,112.
- Malme, C.I., P.R. Miles, C.W. Clark, P. Tyack, and J.E. Bird, 1983. Investigations of the Potential Effects of Underwater Noise from Petroleum Industry Activities on Migrating Gray Whale Behavior. Report by Bolt, Beranek and Newman, Inc., Cambridge, MA, for the U.S. Department of the Interior, Minerals Management Service, Anchorage, AK, BBN Rep. 5366.
- Marine Turtle Expert Working Group, 1996a. Status of the Loggerhead Turtle Population (*Caretta caretta*) in the Western North Atlantic. 50 pp.
- Marine Turtle Expert Working Group, 1996b. Kemp's Ridley Sea Turtle (*Lepidochelys kempii*) Status Report. 49 pp.
- Marquez, R.M., 1990. Sea Turtles of the World. FAO Species Catalogue, Volume 11. FAO, Rome, 81 pp.

- Marsh, G.A. and D.B. Turbeville, 1981. The environmental impact of beach nourishment: Two studies in southeastern Florida. *Shore and Beach*, 1981: 40-44.
- Maurer, D., R.T. Keck, J.C. Tinsman, W.A. Leathem, C. Wethe, C. Lord, and T.M. Church, 1986. Vertical migration and mortality of marine benthos in dredged material: A synthesis. *Internationale Revue der gesamten Hydrobiologie*, 71: 49-63.
- Mauriello, M.N., 1991. Beach nourishment and dredging: New Jersey's policies. *Shore and Beach*, 59(3):25-28.
- Mayer, D. A., 1982. The structure of circulation: MESA physical oceanographic studies in New York Bight. *Journal Geophysical Research*, 87: 9579-9588.
- Mayer, D. A., D. V. Hansen, and D. A. Ortman, 1979. Long-term current and temperature observations on the Middle Atlantic shelf. *Journal Geophysical Research*, 84: 1776-1792.
- McBride, R.A. and T.F. Moslow, 1991. Origin, evolution, and distribution of shoreface sand ridges, Atlantic inner shelf, U.S.A. *Marine Geology*, 97: 57-85.
- McCaully, J.E., R.A. Parr, and D.R. Hancock, 1977. Benthic infauna and maintenance dredging: a case study. *Water Research*, 11: 233-242.
- McClennen, C.E., 1983. Middle Atlantic nearshore seismic survey and sidescan sonar survey: Potential geologic hazards off the New Jersey coastline. U.S. Geological Survey Open File Report 83-824, Reston, VA, 30 pp.
- McClennen, C.E. and R.L. McMaster, 1971. Probably transgressive effects on the geomorphic features of the continental shelf off New Jersey, United States. *Journal of Sedimentary Petrology*, 7: 69-72.
- McGraw, K.A. and D.A. Armstrong, 1988. Fish Entrainment by Dredges in Grays Harbor, Washington. In: C.A. Simenstad (ed.), *Effects of Dredging on Anadromous Pacific Coast Fishes*, Workshop Proceedings, University of Washington Sea Grant, pp. 113-131.
- McKinney, T.F. and G.M. Friedman, 1970. Continental shelf sediments of Long Island, New York. *Journal of Sedimentary Petrology*, 40: 213-248.
- McKinney, T.G., W.L. Stubblefield, and D.J.P. Swift, 1974. Large-scale current lineations, central New Jersey shelf: Investigations by sidescan sonar. *Marine Geology*, 17: 79-102.
- McMaster, R.L., 1954. Petrography and genesis of the New Jersey beach sands. New Jersey Department of Conservation and Economic Development, Geological Survey Bulletin No. 63, 239 pp.
- McNulty, J.K., R.C. Work, and H.B. Moore, 1962. Some relationships between the infauna of the level bottom and the sediment in South Florida. *Bulletin of Marine Science in the Gulf and Caribbean*, 12: 322-332.
- Meisburger, E.P. and S.J. Williams, 1980. Sand Resources on the Inner Continental Shelf of Cape May Region, New Jersey. U.S. Army Corps of Engineers, Coastal Engineering Research Center, Miscellaneous Report 80-4, Fort Belvoir, VA, 40 pp.
- Meisburger, E.P. and S.J. Williams, 1982. Sand Resources on the Inner Continental Shelf off the Central New Jersey Coast. U.S. Army Corps of Engineers, Coastal Engineering Research Center, Miscellaneous Report 80-4, Fort Belvoir, VA, 48 pp.
- Mid-Atlantic Fishery Management Council, 1988. Amendment #8 to the Fishery Management Plan for the Atlantic Surf Clam and Ocean Quahog Fishery Management Plan. Dover, DE.

- Mid-Atlantic Fishery Management Council, 1998. Amendment #12 to the Fishery Management Plan for the Atlantic Surf Clam and Ocean Quahog Fishery Management Plan. Dover, DE.
- Mid-Atlantic Fishery Management Council, 1998a. Amendment #12 to the Atlantic Surfclam and Ocean Quahog Fishery Management Plan. Mid-Atlantic Fishery Management Council, Dover, DE, 249 pp.
- Mid-Atlantic Fishery Management Council, 1998b. Amendment 8 to the Atlantic Mackerel, Squid, and Butterfish Fishery Management Plan. Mid-Atlantic Fishery Management Council, Dover, DE, 351 pp. + apps.
- Mid-Atlantic Fishery Management Council, 1998c. Amendment 12 to the Summer Flounder, Scup, and Black Sea Bass Fishery Management Plan. Mid-Atlantic Fishery Management Council, Dover, DE, 398 pp. + apps.
- Mid-Atlantic Fishery Management Council, 1998d. Amendment 1 to the Bluefish Fishery Management Plan. Mid-Atlantic Fishery Management Council, 2 Vols., Dover, DE, 341 pp. + apps.
- Mid-Atlantic Fishery Management Council, 1999. The Spiny Dogfish Fishery Management Plan. Mid-Atlantic Fishery Management Council, 292 pp. + apps.
- Miller, H.J., C.E. Dill, and G.B. Tirey, 1973. Geophysical Investigation of the Atlantic Generating Station Site and Region. Alpine Geophysical Association Technical Report, Norwood, NJ, 56 pp.
- Miller, M.L., 1993. The rise of coastal marine tourism. *Ocean and Coastal Management*, 20: 181-199.
- Milliman, J.D., 1972. Atlantic Continental Shelf and Slope of the United States – Petrology and Sand Fraction of Sediments, Northern New Jersey to Florida. U.S. Geological Survey Professional Paper 529-J, 39 pp.
- MMS, 1989. Description of the Mid-Atlantic Environment. In: S.A. Abernathy (ed.), Atlantic OCS Region, MMS 89-0064.
- Moein, S.E., J.A. Musick, J.A. Keinath, D.E. Barnard, M.L. Lenhardt, and R. George, 1994. Evaluation of Seismic Sources for Repelling Sea Turtles from Hopper Dredges. Virginia Institute of Marine Science, College of William and Mary, Gloucester Point, VA, final contract report to U.S. Army Engineer Waterways Experiment Station. As excerpted in: Sea Turtle Research Program Summary Report. Prepared by U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS for U.S. Army Engineer Division, South Atlantic, Atlanta, GA and U.S. Naval Submarine Base, Kings Bay, GA, Technical Report CHL-97-31, NTIS ADA332588, 147 pp.
- Moody, J. A., B. Butman, R.C. Beardsley, W.S. Brown, P. Daifuku, J.D. Irish, D.A. Mayer, H.O. Mofjeld, B. Petrie, S. Ramp, P. Smith, and W.R. Wright, 1983. Atlas of Tidal Elevation and Current Observations on the Northeast American Continental Shelf and Slope. U.S. Geological Survey Bulletin Survey Bulletin 1611, 122 pp.
- Moore, P.G., 1977. Inorganic particulate suspensions in the sea and their effects on marine animals. *Oceanography and Marine Biology Annual Review*, 15: 225-363.
- Morgan, R.P., V.J. Rasin, Jr., and L.A. Noe, 1983. Sediment effects on eggs and larvae of striped bass and white perch. *Transactions of the American Fisheries Society*, 112: 220-224.

- Mortimer, J.A., 1982. Feeding Ecology of Sea Turtles. In: K.A. Bjorndal (ed.), *Biology and Conservation of Sea Turtles*. Smithsonian Institution Press, Washington, DC, pp. 103-109.
- Murawski, W.S., 1969. A Study of Submerged Dredge Holes in New Jersey Estuaries with Respect to their Fitness as Finfish Habitat. New Jersey Department of Conservation and Economic Development, Division of Fish and Game, Miscellaneous Report No. 2M, 32 pp.
- Naqvi, S. and E. Pullen, 1982. Effects of Beach Nourishment and Borrowing on Marine Organisms. U.S. Army Corps of Engineers, Coastal Engineering Research Center, Fort Belvoir, VA, Miscellaneous Report No. 82-14.
- National Research Council, 1995. Beach Nourishment and Protection. National Academy Press, 334 pp.
- Nelson, W.G., 1985. Physical and Biological Guidelines for Beach Restoration Projects. Part 1. Biological Guidelines. Florida Sea Grant College Program, Report No. 76.
- New England Fishery Management Council, 1998a. Final Amendment 9 to the Northeast Multispecies Fishery Management Plan. New England Fishery Management Council, Saugus, MA.
- New England Fishery Management Council, 1998b. Final Amendment 11 to the Northeast Multispecies Fishery Management Plan. New England Fishery Management Council, Saugus, MA.
- Newell, R.C., L.J. Seiderer, and D.R. Hitchcock, 1998. The impact of dredging works in coastal waters: A review of the sensitivity to disturbance and subsequent recovery of biological resources on the seabed. *Oceanography and Marine Biology Annual Review*, 36: 127-178.
- Nilsson, H.C. and R. Rosenberg, 1997. Benthic habitat quality assessment of an oxygen stressed fjord by surface and sediment profile images. *Journal Marine Systems*, 11: 249-264.
- Nival, P. and S. Nival, 1976. Particle retention efficiencies of an herbivorous copepod, *Acartia clausi* (adult and copepodite stages): effects of grazing. *Limnology and Oceanography*, 21(1): 24-38.
- NMFS, 1991a. Recovery Plan for the Humpback Whale (*Megaptera novaeangliae*). Prepared by the Humpback Whale Recovery Team for the National Marine Fisheries Service, Silver Spring, MD, 105 pp.
- NMFS, 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, MD, 86 pp.
- NMFS, 1996. Endangered Species Act, Section 7 Consultation, Biological Opinion Concerning Dredging Activities Within the Philadelphia District of the U.S. Department of the Army. Prepared by the National Marine Fisheries Service, Northeast Regional Office, 43 pp.
- NMFS, 1997. Regional Biological Opinion for Hopper Dredging of Channels and Beach Nourishment Activities in the Southeastern United States from North Carolina through Florida East Coast. October 1997.
- NMFS, 1998a. Unpublished Surfclam/Ocean Quahog Survey Data. Northeast Fisheries Science Center, Woods Hole, MA.

- NMFS, 1998b. Marine Mammal Protection Act of 1972 Annual Report, January 1, 1997 to December 31, 1997. Office of Protected Resources, National Marine Fisheries Service, Silver Spring, MD.
- NMFS, 1999. Fishery Management Plan for Atlantic Tunas, Swordfish, and Sharks, Volume II. National Marine Fisheries Service Division of Highly Migratory Species, Office of Sustainable Fisheries, Silver Spring, MD, 302 pp.
- NMFS and USFWS, 1991. Recovery Plan for U.S. Population of Atlantic Green Turtle. National Marine Fisheries Service, Washington, DC, 52 pp.
- NMFS and USFWS, 1992. Recovery Plan for the Kemp's Ridley Sea Turtle (*Lepidochelys kempii*). National Marine Fisheries Service, St. Petersburg, FL, 40 pp.
- Noble, M., and B. Butman, 1979. Low-frequency wind-induced sea level oscillations along the East Coast of North America. *Journal Geophysical Research*, 84(C6): 3227-3236.
- Noble, M., B. Butman, and E. Williams, 1983. On the longshelf structure and dynamics of subtidal currents on the eastern United States Continental Shelf. *Journal Physical Oceanography*, 13(12): 2125-2147.
- Noble, M., B. Butman, and M. Wimbush, 1985. Wind-current coupling on the southern flank of Georges Bank: Variation with season and frequency. *Journal Physical Oceanography*, 15 (5): 604-620.
- Nyman, R.M. and D.O. Conover, 1988. The relation between spawning season and the recruitment of young-of-the-year bluefish, *Pomatomus saltatrix*, to New York. *Fishery Bulletin*, 86(2): 237-250.
- Oakwood Environmental, Ltd., 1999. Strategic Cumulative Effects of Marine Aggregates Dredging (SCEMAD). Prepared for the U.S. Department of the Interior, Minerals Management Service, 175 pp.
- Odum, E.P., 1969. The strategy of ecosystem development. *Science*, 164: 262-270.
- Ou, H. W., R. C. Beardsley, D. Mayer, W. C. Boicourt, and B. Butman, 1981. An analysis of subtidal current fluctuations in the Middle Atlantic Bight. *Journal Physical Oceanography*, 11(10): 1383-1392.
- Overholtz, W., 1998a. Atlantic Mackerel. In: S.H. Clark (ed.), Status of Fishery Resources off the Northeastern United States for 1998. U.S. Department of Commerce, NOAA Tech Mem. NMFS-NE-115, pp. 106-107.
- Overholtz, W., 1998b. Butterfish. In: S.H. Clark (ed.), Status of Fishery Resources off the Northeastern United States for 1998. U.S. Department of Commerce, NOAA Tech Mem. NMFS-NE-115, pp. 108-109.
- Oviatt, C.A., C.D. Hunt, G.A. Vargo, and K.W. Kopchynski, 1982. Simulation of a storm event in a marine microcosm. *Journal of Marine Research*, 39: 605-618.
- Paffenhofer, G.A., 1972. The effects of "red mud" on mortality, body weight, and growth of marine planktonic copepod, *Calanus helgolandicus*. *Water, Air, and Soil Pollution*, 1: 314-321.
- Palermo, M.R., 1990. Workgroup 2 Summary. In: D.D. Dickerson and D.A. Nelson (comps.), Proceedings of the National Workshop on Methods to Minimize Dredging Impacts on Sea Turtles, Jacksonville, FL. U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS, Miscellaneous Paper EL-90-5, pp. 76-80.

- Parker, P., 1967. Clam survey, Ocean City, Maryland to Cape Charles, Virginia. *Commercial Fisheries Review*, 29(5): 53-77.
- Parker, P. and L. Fahlen, 1968. Clam survey off Virginia (Cape Charles to False Cape). *Commercial Fisheries Review*, 30(1): 25-36.
- Parker, P.C., 1996. Nearshore Ridges and Underlying Upper Pleistocene Sediments on the Inner Continental Shelf of New Jersey. M.S. thesis, Rutgers University, NJ, 157 pp.
- Pearce, J., 1974. Environmental Impact of the Construction Phase of Offshore Floating or Barge Mounted Nuclear Power Plants to be Sited Between Sandy Hook and Atlantic City, N.J. In: J. Peres (ed.), *Modifications Thermiques et Equilibres Biologiques*, North-Holland Publishing Company, Amsterdam, Netherlands, pp. 395-408.
- Pearce, J.B., J.V. Caracciolo, M.B. Halsey, and L.H. Rogers, 1976. Temporal and Spatial Distributions of Benthic Macroinvertebrates in the New York Bight. In: G. Gross (ed.), *Middle Atlantic Continental Shelf and New York Bight, Proceedings of the Symposium*, American Museum of Natural History, New York City, 1975. American Society of Limnology and Oceanography, Inc., Allen Press, Inc., Lawrence, KS, pp. 394-403.
- Pearce, J.B., D.J. Radosh, J.V. Caracciolo, and F.W. Steimle, Jr., 1981. Benthic Fauna: Marine EcoSystems Analysis (MESA) Program, MESA New York Bight Project. MESA New York Bight Atlas Monograph 14, New York Sea Grant Institute, Albany, NY, 79 pp.
- Peddicord, R.K. and V.A. McFarland, 1978. Effects of Suspended Dredged Material on Aquatic Animals. U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS, Technical Report D-78-29, 102 pp. + app.
- Peterson, C.G.J., 1913. Valuation of the Sea. II. The Animal Communities of the Sea-bottom and Their Importance for Marine Zoogeography. Report of the Danish Biological Station to the Board of Agriculture, 21: 1-44.
- Pettibone, M.H., 1963. Marine Polychaete Worms of New England. Part I, Aphroditidae through Trochochaetidae. Smithsonian Institution, Washington, D.C., Government Printing Office, 360 pp.
- Phillips, P.J., W.D. Burke, and E.J. Keener, 1969. Observations on the trophic significance of jellyfishes in Mississippi Sound with quantitative data on the associative behavior of small fishes with medusae. *Transactions of the American Fisheries Society*, 98(4): 703-712.
- Pianka, E.R., 1970. On r- and K-selection. *American Naturalist*, 104: 592-597.
- Pielou, E.C., 1966. Species-diversity and pattern-diversity in the study of ecological succession. *Journal of Theoretical Biology*, 10: 370-383.
- Poiner, I.R. and R. Kennedy, 1984. Complex pattern of change in the macrobenthos of a large sandbank following dredging. I. Community analysis. *Marine Biology*, 78: 335-352.
- Poppe, L.J., J.S. Schlee, and H.J. Knebel, 1994. Map Showing Distribution of Surficial Sediment on the Mid-Atlantic Continental Margin, Cape Cod to Ablemarle Sound. U.S. Geological Survey, Miscellaneous Investigations Series, Map I-1987-D.
- Quinn, M.-L., 1977. The History of the Beach Erosion Board. U.S. Army Corps of Engineers, Coastal Engineering Research Center, Miscellaneous Report 77-9, Vicksburg, MS, 181 p.
- Radder, A.C., 1979. On the parabolic equation method for water-wave propagation. *Journal of Fluid Mechanics*, 95: 159-176.

- Ramsey, J.S., 1991. A Study of Wave-Induced Currents Behind Shore Parallel Breakwaters. M.C.E. Thesis, Dept. of Civil Engineering, University of Delaware, Newark, DE, 101 pp.
- Raudkivi, A.J., 1990. Loose Boundary Hydraulics. 3rd Edition, Pergamon Press, Oxford.
- Reeves, R. R., G. K. Silber, and P. M. Payne, 1998. Draft recovery plan for the fin whale, *Balaenoptera physalus* and sei whale, *Balaenoptera borealis*. Prepared for the Office of Protected Resources, National Marine Fisheries Service, Silver Spring, MD, 65 pp.
- Reid, R.N., D.J. Radosh, A. B. Frame, and S.A. Fromm, 1991. Benthic Macrofauna of the New York Bight. U.S. Department of Commerce, National Marine Fisheries Service, NOAA Technical Report NMFS 103, 50 pp.
- Reine, K. and D. Clarke, 1998. Entrainment by hydraulic dredges—A review of potential impacts. U.S. Army Engineer Research and Development Center, Vicksburg, MS, Technical Note DOER-E1, 14 pp.
- Reine, K.J., D.D. Dickerson, and D.G. Clarke, 1998. Environmental windows associated with dredging operations. U. S. Army Engineer Research and Development Center, Vicksburg, MS, DOER Tech. Notes Collection (TN DOER-E2).
- Resio, D.T., and B.A. Tracy, 1983. A Numerical Model for Wind-Wave Prediction in Deepwater. WIS Report 12, U.S. Army Engineer Waterways Experiment Station, Coastal Engineering Research Center, Wave Information Study, Vicksburg, MS.
- Revelas, E.C., D.C. Rhoads, and J.D. Germano. 1987. San Francisco Bay sediment quality survey and analysis. NOAA Tech. Memor. NOS OMA 35. Rockville, MD. 127 pp.
- Rhoads, D.C. 1974. Organism sediment relations on the muddy sea floor. Oceanography and Marine Biology Annual Review 12:263-300.
- Rhoads, D.C., P.L. McCall, and J.Y. Yingst, 1978. Disturbance and production on the estuarine seafloor. American Science, 66: 577-586.
- Rhoads, D.C. and J.D. Germano, 1982. Characterization of organism-sediment relations using sediment profile imaging: An efficient method of remote ecological monitoring of the seafloor (REMOTS system). Mar. Ecol. Prog. Ser. 8:115-128.
- Rhoads, D.C. and L.F. Boyer, 1982. The effects of Marine Benthos on Physical Properties of Sediments: A Successional Perspective. In: P.L. McCall and M.J.S. Tevesz (eds.), Animal-Sediment Relations, The Biogenic Alteration of Sediments. Plenum Press, New York, NY, pp. 3-52.
- Rhoads, D.C. and J.D. Germano, 1986. Interpreting long-term changes in benthic community structure: a new protocol. Hydrobiologia, 142: 291-308.
- Richardson, W. J., C. R. Greene, Jr., C. I. Malme, and D. H. Thomson, 1995. Marine Mammals and Noise. Academic Press, San Diego, 576 pp.
- Ridgway, S.H., E.G. Wever, J.G. McCormick, J. Palin, and J.H. Anderson, 1969. Hearing in the giant sea turtle, *Chelonia mydas*. Proceedings of the National Academy of Sciences, 64(3): 884-890.
- Rine, J.M., R.W. Tillman, W.L. Stubblefield, and D.J.P. Swift, 1986. Lithostratigraphy of Holocene sand ridges from the nearshore and middle continental shelf of New Jersey, U.S.A. In: T.F. Moslow and E.G. Rhodes (editors), Modern and Ancient Shelf Clastics: A Core Workshop. SEPM Core Workshop No. 9, Tulsa, OK, p. 1-72.

- Rine, J.M., R.W. Tillman, S.J. Culver, and D.J.P. Swift, 1991. Generation of Late Holocene ridges on the middle continental shelf of New Jersey, USA – evidence for formation in a mid-shelf setting based upon comparison with a nearshore ridge. In: D.J.P. Swift, G.F. Oertel, and R.W. Tillman (editors), *Shelf Sand and Sandstone: Geometry, Facies, and Sequence Stratigraphy*. International Association of Sedimentologists, Special Publication 14, p. 395-426.
- Robins, C.R., 1957. Effects of storms on the shallow-water fish fauna of southern Florida with records of fishes from Florida. *Bulletin of Marine Science in the Gulf and Caribbean*, 7(3): 266-275.
- Roden, C., 1998. Cruise results: Summer Atlantic Marine Mammal Survey, NOAA Ship Relentless Cruise RS 98-01(3). National Marine Fisheries Service, Southeast Fisheries Science Center, Mississippi Laboratories, Pascagoula Facility, Pascagoula, MS.
- Rogers, R.M., 1977. Trophic Interrelationships of Selected Fishes on the Continental Shelf of the Northern Gulf of Mexico. Ph.D. dissertation, Texas A&M University, College Station, TX, 244 pp.
- Rosati, J.D. and N.C. Kraus, 1991. Practical Considerations in Longshore Transport Calculations. CETN II-24, U.S. Army Engineer Waterways Experiment Station, Coastal and Hydraulics Laboratory, Vicksburg, MS, 6 pp.
- Rosenthal, H.S., 1971. Effects of "red mud" on embryos and larvae of the herring *Clupea harengus*. *Helgolaender Wiss. Meeresuntersuchungen*, 22: 366-376.
- Rosman, I., G.S. Boland, L. Martin, and C. Chandler, 1987. Underwater Sightings of Sea Turtles in the Northern Gulf of Mexico. U.S. Department of the Interior, Minerals Management Service, Gulf of Mexico OCS Region, New Orleans, LA, OCS Study MMS 87-0107, 37 pp.
- Rotunno, T. and R.K. Cowen, 1997. Temporal and spatial spawning patterns of the Atlantic butterflyfish, *Peprilus triacanthus*, in the South and Middle Atlantic Bights. *Fishery Bulletin*, 95(4): 785-799.
- Saloman, C.H., 1974. Physical, Chemical, and Biological Characteristics of Nearshore Zone of Sand Key, Florida, Prior to Beach Restoration. National Marine Fisheries Service, Gulf Coastal Fisheries Center, Panama City Laboratory, Panama City, FL.
- Saloman, C.H., S.P. Naughton, and J.L. Taylor, 1982. Benthic Community Response to Dredging Borrow Pits, Panama City Beach, Florida. U.S. Army Corps of Engineers, Coastal Engineering Research Center, Fort Belvoir, VA, Miscellaneous Report No. 82-3, 138 pp.
- Sanders, H.L., 1958. Benthic studies of Buzzards Bay. I. Animal-sediment relationships. *Limnology and Oceanography*, 3: 245-258.
- Sanders, J.E. and N. Kumar, 1975. Holocene shoestring sand on the inner continental shelf off Long Island, New York. *American Association of Petroleum Geologists Bulletin*, 59: 997-1009.
- SAS Institute Inc., 1989. SAS/STAT Users Guide, Version 6, Fourth Edition, Volume 1. SAS Institute Inc., Cary, NC, 943 pp.
- Sawaragi, T. and I. Deguchi, 1978. Distribution of Sand Transport Rate Across a Surf Zone. *Proceedings, 16th International Conference on Coastal Engineering, ASCE*, pp. 1,596-1,613.

- Schaeff, C.M., S.D. Kraus, M.W. Brown, and B.N. White, 1993. Assessment of the population structure of western North Atlantic right whales (*Eubalaena glacialis*) based on sighting and mtDNA data. *Canadian Journal of Zoology*, 71(2): 339-345.
- Schlee, J.S., 1964. New Jersey offshore gravel deposit. *Pit and Quarry*, 57: 80-81.
- Scott, L.C. and F.S. Kelley, 1998. An Evaluation and Comparison of Benthic Community Assemblages and Surf Clam Populations Within the Offshore Sand Borrow Site for the Great Egg Harbor Inlet and Peck Beach, Ocean City, New Jersey Project. Prepared for the U.S. Army Corps of Engineers, Philadelphia District, Philadelphia, PA by Versar, Inc., Columbia, MD, 36 pp. + app.
- Shalowitz, A.L., 1964. Shoreline and Sea Boundaries, Volume 2. U.S. Department of Commerce Publication 10-1, U.S. Coast and Geodetic Survey, U.S. Government Printing Office, Washington, DC, 420 pp.
- Shaver, D.J., 1991. Feeding ecology of wild and headstarted Kemp's ridley sea turtles in South Texas waters. *Journal of Herpetology*, 25(3): 327-334.
- Sherk, J.A., Jr., 1971. The Effects of Suspended and Deposited Sediment on Estuarine Organisms: Literature Summary and Research Needs. University of Maryland, Natural Resources Institute, Chesapeake Biological Laboratory Contribution No. 43, 73 pp.
- Sherk, J.A., Jr., 1972. Current status of the knowledge of the biological effects of suspended and deposited sediments in Chesapeake Bay. *Chesapeake Science* 13 (Suppl.): S137-S144.
- Sherk, J.A., Jr. and L.E. Cronin, 1970. The Effects of Suspended and Deposited Sediments on Estuarine Organisms, an Annotated Bibliography of Selected References. University of Maryland, Chesapeake Biological Laboratory, Natural Resources Institute, Reference No. 70-19, 62 pp.
- Sherk, J.A., J.M. O'Connor, and D.A. Newman, 1975. Effects of Suspended and Deposited Sediments on Estuarine Environments. In: L.F. Cronin (ed.), *Estuarine Research Volume 2*. Academic Press, New York, NY, pp. 541-558.
- Sherman, K., R.J. Green, J.R. Goulet, and L. Ejsymont, 1983. Coherence in zooplankton of a large northwest Atlantic ecosystem. *Fishery Bulletin*, 81(4): 855-862.
- Sherman, K., W. Smith, W. Morse, M. Berman, J. Green, and L. Ejsymont, 1984. Spawning strategies of fishes in relation to circulation, phytoplankton production, and pulses in zooplankton off the northeastern United States. *Marine Ecology Progress Series*, 18: 1-19.
- Shields, I.A., 1936. Application of similarity principles and turbulence research to bed-load movement (in German). *Mitteilunden der Preoss. Versuchsanst. Fur Wasserbau and Schiffbau*, Berlin, No. 26.
- Slay, C.K., 1995. Sea Turtle Mortality Related to Dredging Activities in the Southeastern U.S.: 1991. In: J.I. Richardson and T.H. Richardson (comps.), *Proceedings of the Twelfth Annual Workshop on Sea Turtle Biology and Conservation*, Jekyll Island, GA, NOAA Technical Memorandum NMFS-SEFSC-361, pp. 132-133.
- Smith, J.D., 1977. Modeling of Sediment Transport on Continental Shelves. In: *The Sea*, Volume 6, Edited by Goldberg, E.D., McCave, I.N., O'Brien, J.J., and Steele, J.H., Wiley-Interscience, New York, NY.

- Smith, P.C., 1996. Nearshore Ridges and Underlying Upper Pleistocene Sediments on the Inner Continental Shelf of New Jersey. Masters Thesis, Rutgers University, Geological Sciences, New Brunswick, NJ, 157 p.
- Smith, W.G. (ed.), 1988. Analysis and Evaluation of Ichthyoplankton Survey Data from the Northeast Continental Shelf Ecosystem. NOAA-TM-NMFS-F/NEC-57, 133 pp.
- Smith, W. and W. Morse, 1988. Seasonal Distribution, Abundance, and Diversity Patterns of Fish Eggs and Larvae in the Middle Atlantic Bight. In: A.L. Pacheco (ed.), Characterization of the Middle Atlantic Water Management Unit of the Northeast Regional Action Plan. NOAA-TM-NMFS-F/NEC- 56, pp. 177-189.
- Smith, W., P. Berrien, and T. Potthoff, 1994. Spawning patterns of bluefish, *Pomatomus saltatrix*, in the northeast continental shelf ecosystem. Bulletin of Marine Science, 54(1): 8-15.
- Snedden, J.W., R.W. Tillman, R.D. Kreisa, W.J. Schweller, S.J. Culver, and R.D. Winn, 1994. Stratigraphy and genesis of a modern shoreface-attached sand ridge, Peahala Ridge, New Jersey. Journal of Sedimentary Research, Section B: Stratigraphy and Global Studies, B64(4): 560-581.
- Snelgrove, P.V.R. and C.A. Butman. 1994. Animal-sediment relationships revisited: Cause versus effect. Oceanography and Marine Biology Annual Review, 32: 111-177.
- Stephenson, W.W.T., S.D. Cook, and S.J. Newlands, 1978. The macrobenthos of the Middle Banks of Moreton Bay. Mem. Queensl. Mus., 18: 95-118.
- Stern, E.M. and W.B. Stickle, 1978. Effects of Turbidity and Suspended Material in Aquatic Environments: Literature Review. U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS, Technical Report D-78-21, 117 pp.
- Stubblefield, W.L., J.W. Lavelle, D.J.P. Swift, and T.F. McKinney, 1975. Sediment response to the present hydraulic regime on the central New Jersey shelf. Journal of Sediment Petrology, 45: 337-358.
- Stubblefield, W.L. and D.J.P. Swift, 1981. Grain size variations across sand ridges, New Jersey continental shelf, U.S.A. Geo-Marine Letters, 1: 45-48.
- Stubblefield, W.L., D.W. McGrail, and D.G. Kersey, 1984. Recognition of transgressive and post-transgressive sand ridges on the New Jersey continental shelf. In: R.W. Tillman and C.T. Siemers (editors), Siliclastic Shelf Sediments, Society of Economic Paleontologists and Mineralogists, Special Publication 34, p. 1-23.
- Studt, J.F., 1987. Amelioration of Maintenance Dredging Impacts on Sea Turtles, Canaveral Harbor, Florida. In: W. Witzell (ed.), Ecology of East Florida Sea Turtles. Proceedings of the Cape Canaveral, Florida Sea Turtle Workshop, Miami, FL, NOAA Technical Report NMFS 53, pp. 55-58.
- Sullivan, B.K. and D. Hancock, 1977. Zooplankton and dredging: Research perspectives from a critical review. Water Research Bulletin, 13(3): 461-468.
- Svendson, I.A., and I.G. Jonsson, 1976. Hydrodynamics of Coastal Regions. Technical University of Denmark, 285 pp.
- Swift, D.J.P., 1976. Continental shelf sedimentation. In: D.J. Stanley and D.J.P. Swift (editors), Marine Sediment Transport and Environmental Management. Wiley and Sons, New York, NY, p. 311-350.

- Swift, D.J.P., J.W. Kofoed, F.P. Salsbury, and P. Sears, 1972. Holocene evolution of the shelf surface, central and southern Atlantic shelf of North America. In: D.J.P. Swift, D.B. Duane, and O.H. Pilkey (editors), *Shelf Sediment Transport: Process and Pattern*. Dowden Hutchinson, and Ross. Stroudsburg, PA, p. 499-575.
- Swift, D.J.P., D.B. Duane, and T.F. McKinney, 1973. Ridge and swale topography of the Middle Atlantic Bight, North America: Secular response to the Holocene hydraulic regime. *Marine Geology*, 15: 227-247.
- Swift, D.J.P. and M.E. Field, 1981. Evolution of a classic sand ridge field: Maryland sector, North American inner shelf. *Sedimentology*, 28: 461-482.
- Swift, D.J.P. and A.W. Niedoroda, 1985. Fluid and Sediment Dynamics on Continental Shelves. In: Tillman, R.W., D.J.P. Swift, and R.G. Walker (editors), *Shelf Sands and Sandstone Reservoirs*, SEPM Short Course No. 13, Tulsa, OK, pp. 47-133.
- Swingle, W.M., S.G. Barco, T.D. Pitchford, W.A. McLellan, and D.A. Pabst, 1993. Appearance of juvenile humpback whales feeding in the nearshore waters of Virginia. *Mar. Mamm. Sci.*, 9(3): 309-315.
- Tanaka H. and N. Shuto, 1981. Friction coefficient for a wave-current coexisting system. *Coastal Engineering of Japan*, 24: 105-128.
- Taylor, A.S., 1990. The Hopper Dredge. In: D.D. Dickerson and D.A. Nelson (comps.), *Proceedings of the National Workshop on Methods to Minimize Dredging Impacts on Sea Turtles*, Jacksonville, FL, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS, Miscellaneous Paper EL-90-5, pp. 59-63.
- Taylor, A.S., 1999. Personal communication with Mark Byrnes.
- Terceiro, M., 1998. Bluefish. In: S.H. Clark (ed.), *Status of Fishery Resources off the Northeastern United States for 1998*. U.S. Department of Commerce, NOAA Tech. Mem. NMFS-NE-115, pp. 110-111.
- Thayer, C.W., 1983. Sediment-mediated Biological Disturbance and the Evolution of Marine Benthos. In: M.J.S. Tevesz and P.L. McCall (eds.), *Biotic Interactions in Recent and Fossil Benthic Communities*. Plenum Press, NY, pp. 479-625.
- Theroux, R.B. and R.L. Wigley, 1998. Quantitative Composition and Distribution of the Macrobenthic Invertebrate Fauna of the Continental Shelf Ecosystems of the Northeastern United States. U.S. Department of Commerce, Seattle, WA, NOAA Technical Report NMFS 140, 240 pp.
- Thistle, D., 1981. Natural physical disturbances and communities of marine soft bottoms. *Marine Ecology Progress Series*, 6: 223-228.
- Thompson, J.R., 1973. Ecological Effects of Offshore Dredging and Beach Nourishment: A Review. U.S. Army Engineer Waterways Experiment Station MP 1-73, U.S. Army Corps of Engineers, Coastal Engineering Research Center, Fort Belvoir, VA, Report 1-73.
- Thornton, E.B. and R.T. Guza, 1983. Transformation of wave height distribution. *Journal of Geophysical Research*, 88: 5,925-5,938.
- Thornton, E.B. and R.T. Guza, 1989. Models for Surf Zone Dynamics. In: *Nearshore Sediment Transport*, R.J. Seymour, (ed.), Plenum Press, New York, NY, pp. 337-369.
- Thorson, G., 1957. Bottom communities (sublittoral or shallow shelf). *Geological Society of America Memoir*, 67: 461-534.

- Thorson, G., 1966. Some factors influencing the recruitment and establishment of marine benthic communities. *Netherlands Journal of Sea Research*, 3(2): 267-293.
- Trowbridge, J. and O. Madsen, 1984. Turbulent wave boundary layers, 1. model formulation and first-order solution. *Journal of Geophysical Research*, 89: 7,989-7,997.
- Trowbridge, J. and V.C. Agrawal, 1995. Glimpses of a wave boundary layer. *Journal of Geophysical Research*, 100: 729-744.
- Turbeville, D.B. and G.A. Marsh, 1982. Benthic Fauna of an Offshore Borrow Area in Broward County, Florida. U.S. Army Corps of Engineers, Coastal Engineering Research Center, Miscellaneous Report 82-1, 43 pp.
- Uchupi, E., 1968. Atlantic Continental Shelf and Slope of the United States – Physiography. U.S. Geological Survey Professional Paper 529-C, 30 p.
- Uchupi, E., 1970. Atlantic Continental Shelf and Slope of the U.S. – Shallow Structure. U.S. Geological Survey Professional Paper 529-I, 44 p.
- Uptegrove, J., L.G. Mulliken, J.S. Waldner, G.M. Ashley, R.E. Sheridan, D.W. Hall, J. Gillroy, and S. Farrell, 1995. Characterization of Offshore Sediments in Federal Waters as Potential Sources of Beach Replenishment Sand – Phase I. Open File Report OFR 95-1, New Jersey Geological Survey, Trenton, NJ, 148 p.
- Uptegrove, J., J.S. Waldner, D.W. Hall, P.C. Smith, G.M. Ashley, R.E. Sheridan, Z. Allen-Lafayette, M.C. Goss, F.L. Muller, and E. Keller, 1997. Characterization of Offshore Sediments in Federal Waters as Potential Sources of Beach Replenishment Sand – Phase II. Final Report to U.S. Minerals Management Service, Cooperative #14-35-0001-30751, New Jersey Geological Survey, Trenton, NJ, 28 p.
- USACE, 1984. Shore Protection Manual. U.S. Army Engineer Waterways Experiment Station, Coastal Engineering Research Center, Vicksburg MS.
- USACE, 1996. Brigantine Inlet to Great Egg Harbor Inlet Absecon Island Interim Feasibility Study, Volume I. U.S. Army Corps of Engineers New Jersey Protection Study, Philadelphia District, Philadelphia, PA.
- USACE, 1997. Townsends Inlet to Cape May Inlet Feasibility Study. U.S. Army Corps of Engineers New Jersey Shore Protection Study, Philadelphia District, Philadelphia, PA.
- USACE, 1999. Hopper dredge sea turtle deflector draghead and operational requirements. Web page <http://www.saj.usace.army.mil/pd/turtle.htm>.
- USEPA, 1997. Supplement to the Environmental Impact Statement on the New York Dredged Material Disposal Site Designation for the Designation of the Historic Area Remediation Site (HARS) in the New York Bight apex. Prepared by U.S. Environmental Protection Agency, Region 2, New York, NY with the assistance of Battelle, Duxbury, MA.
- Valente, R.M., D.C. Rhoads, J.D. Germano and V.J. Cabelli. 1992. Mapping of benthic enrichment patterns in Narragansett Bay, Rhode Island. *Estuaries* 15:1-17.
- Van Dolah, R.F., 1996. Impacts of Beach Nourishment on the Benthos: What Have We Learned? Proceedings of the Twenty-fourth Annual Benthic Ecology Meeting, Columbia, SC, p. 82.
- Van Dolah, R.F., D.R. Calder, and D.M. Knott, 1984. Effects of dredging and open-water disposal on benthic macroinvertebrates in a South Carolina estuary. *Estuaries*, 7: 28-37.

- Van Dolah, R.F., P.H. Wendt, R.M. Martore, M.V. Levisen, and W.A. Roumillat, 1992. A Physical and Biological Monitoring Study of the Hilton Head Beach Nourishment Project. Final Report submitted to the Town of Hilton Head Island and South Carolina Coastal Council by the South Carolina Wildlife and Marine Resources Department, Marine Resource Research Institute, 159 pp.
- Van Dolah, R.F., R.M. Martore, and M.V. Levisen, 1993. Supplemental Report for the Physical and Biological Monitoring Study of the Hilton Head Beach Nourishment Project. Prepared by the South Carolina Marine Resources Division, Marine Resources Research Institute for the for the Town of Hilton Head Island, SC.
- Van Dolah, R.F., B.J. Digre, P.T. Gayes, P. Donovan-Ealy, and M.W. Dowd, 1998. An Evaluation of Physical Recovery Rates in Sand Borrow Sites Used for Beach Nourishment Projects in South Carolina. Final report to the U.S. Department of the Interior, Minerals Management Service, Office of International Activities and Marine Minerals by the South Carolina Department of Natural Resources, Marine Resources Research Institute, 76 pp. + app.
- Vecchione, M., 1981. Aspects of the early life history of *Loligo pealei* (Cephalopoda; Myopsida). *Journal of Shellfish Research*, 1: 171-180.
- Versar, Inc., 1997. An Evaluation and Assessment of the Benthic Macroinvertebrate Resources of the Proposed Sand Borrow Areas for Lower Cape May Meadows, New Jersey. Report prepared for the U.S. Army Corps of Engineers, Philadelphia District, Philadelphia, PA, Contract No. DACW61-95-D-0011.
- Viles, C. and R.J. Diaz, 1991. Bencore, an image analysis system for measuring sediment profile camera slides. School of Marine Science, Virginia Institute of Marine Science, College of William and Mary, Gloucester Pt. VA. 13 pp.
- Vincent, C.L. and M.J. Briggs, 1989. Refraction-diffraction of irregular waves over a mound. *Journal of Waterway Port, Coastal And Ocean Engineering*, 115(2): 269-284.
- Vinyard, G.L. and J.W. O'Brien, 1976. Effects of light and turbidity on the reactive distance of bluegill (*Lepomis macrochirus*). *Journal of the Fisheries Research Board of Canada*, 33: 2,845-2,849.
- Viscido, S.V., D.E. Stearns, and K.W. Able, 1997. Seasonal and spatial patterns of an epibenthic crustacean assemblage in northwest Atlantic Continental Shelf waters. *Estuarine, Coastal, and Shelf Science*, 45: 377-392.
- Vismann, B., 1991. Sulfide tolerance: Physiological mechanisms and ecological implications. *Ophelia* 34:1-27.
- Walker, T.A. and G. O'Donnell, 1981. Observations on nitrate, phosphate and silicate in Cleveland Bay, Northern Queensland. *Australian Journal of Marine and Freshwater Research*, 32: 877-887.
- Weber, M., 1995. Kemp's Ridley Sea Turtle, *Lepidochelys kempii*. In: P.T. Plotkin (ed.), National Marine Fisheries Service and U. S. Fish and Wildlife Service Status Reviews for Sea Turtles Listed under the Endangered Species Act of 1973. Silver Spring, MD.
- Weinberg, J.R., 1998a. Atlantic Surfclam. In: S.H. Clark (ed.), Status of Fishery Resources off the Northeastern United States for 1998. U.S. Department of Commerce, NOAA Tech Mem. NMFS-NE-115, pp. 125-127
- Weinberg, J.R., 1998b. Density-dependent growth in the Atlantic surfclam, *Spisula solidissima*, off the coast of the Delmarva Peninsula, USA. *Marine Biology*, 130: 621-630.

- Werner, S.A. and A.M. Landry, Jr., 1994. Feeding ecology of Wild and Head Started Kemp's Ridley Sea Turtles (*Lepidochelys kempii*). In: K.A. Bjorndal, A.B. Bolten, D.A. Johnson, and P.J. Eliazar (comps.), Proceedings of the Fourteenth Annual Symposium on Sea Turtle Biology and Conservation, NOAA Tech. Memo. NMFS-SEFSC-351, U.S. Department of Commerce, Miami, FL, p. 163.
- Wicker, C.F., 1951. History of the New Jersey Coastline. Proceeding of the 1st Conference on Coastal Engineering, Long Beach, CA, p. 299-319.
- Wiegel, R.L. and T. Saville, 1996. History of coastal engineering in the USA. In: N.C. Kraus (editor), History and Heritage of Coastal Engineering, American Society of Civil Engineers, New York, NY, p. 513-600.
- Wigley, R.L. and R.B. Theroux, 1981. Atlantic Continental Shelf and Slope of the United States-Macrobenthic Invertebrate Fauna of the Middle Atlantic Bight Region-Faunal Composition and Quantitative Distribution. U.S. Geological Survey Professional Paper 529-N, 198 pp.
- Wilber, P. and M. Stern, 1992. A Re-examination of Infaunal Studies That Accompany Beach Nourishment Projects. In: New Directions in Beach Management: Proceedings of the 5th Annual National Conference on Beach Preservation Technology, Florida Shore and Beach Preservation Association, Tallahassee, FL, pp. 242-257.
- Wiley, D.N., R.A. Asmutis, T.D. Pitchford, and D.P. Gannon, 1995. Stranding and mortality of humpback whales, *Megaptera novaeangliae*, in the mid-Atlantic and southeast United States, 1985-1992. Fishery Bulletin, 93: 196-205.
- Williams, R.G., and F. A. Godshall, 1977. Summarization and interpretation of historical physical oceanographic and meteorological information for the mid-Atlantic region. Interagency Agreement AA550-IA6-12. Prepared by NOAA for the Bureau of Land Management. 295 pp.
- Williams, S.J., 1992. Coasts in Crisis. U.S. Geological Survey Circular 1075, 32 pp.
- Winer, H., 1988. Numerical Modeling of Wave-Induced Currents Using a Parabolic Wave Equation. Technical Report No. 80, Dept. of Coastal and Oceanographic Engineering, University of Florida, Gainesville, FL.
- Winn, H.E. (ed.), 1982. A Characterization of Marine Mammals and Turtles in the Mid- and North Atlantic Areas of the U.S. Outer Continental Shelf. Final report of the Cetacean and Turtle Assessment Program. University of Rhode Island, Kingston, RI, Prepared for U.S. Department of the Interior, Bureau of Land Management, Washington, DC, Available through National Technical Information Service, Springfield, VA, PB83-215855.
- Woodworth-Lynas, C. and L. Davis, 1996. Proposed Marine Mining Technologies and Mitigation Techniques: A Detailed Analysis with Respect to the Mining of Specific Offshore Mineral Commodities. Final Report. Prepared by the Centre for Cold Ocean Resources Engineering for the U.S. Department of the Interior, Minerals Management Service. Contract No. 14-35-0001-30723, OCS Report MMS 95-0003, 279 pp. + 6 Appendices.
- Wright, D.G., 1977. Artificial Islands in the Beaufort Sea: A Review of Potential Impacts. Department of Fisheries and Environment, Winnipeg, Manitoba, 38 pp.
- Yan, Y., 1987. Numerical Modeling of Current and Wave Interactions on an Inlet-beach System. Technical Report No. 73, Dept. of Coastal and Oceanographic Engineering, University of Florida, Gainesville, FL.
- Young D. and D. Rhoads, 1971. Animal-sediment relations in Cape Cod Bay, Massachusetts. I. A transect study. Marine Biology, 11: 242-54.

- Zajac, R.N. and R.B. Whitlatch, 1982. Responses of estuarine infauna to disturbance. I. Spatial and temporal variation of initial recolonization. *Marine Ecology Progress Series*, 10: 1-14.
- Zawila, J. S., 1994. Analysis of a Seismic Air Gun Acoustic Dispersal Technique at the Fort Pierce Sea Turtle Trial Site. Contract report to U.S. Army Engineer Waterways Experiment Station, as excerpted in: Sea Turtle Research Program Summary Report. Prepared by U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS for U.S. Army Engineer Division, South Atlantic, Atlanta, GA and U.S. Naval Submarine Base, Kings Bay, GA, Technical Report CHL-97-31, NTIS ADA332588, 147 pp.