

**7.0 PARTIAL LIST OF REFERENCES** (Each Essential Fish Habitat Table in Volume II has its own list of References which are not reproduced in this section)

Abdel-Salam, H., J.W Porter, and B.G. Hatcher. 1988. Physiological effects of sediment rejection on photosynthesis and respiration in three Caribbean reef corals. *In*: J.H Choat, D. Barnes, M.A. Borowitzka, J.C. Coll, P.J. Davies, P. Floor, et al. (eds). Proceedings of the Sixth International Coral Reef Symposium, Townsville, Australia, 8th-12th August 1988. Volume 2: Contributed Papers Mini Symposium. pp. 285-292.

Acevedo, R., J. Morelock, and R.A. Olivieri. 1989. Modification of coral reef zonation by terrigenous sediment stress. *Palaios* 4:92-100.

Adey, W.H., C.S. Rogers, and R.S. Steneck. 1981. The south St. Croix reef: a study of reef metabolism as related to environmental factors and an assessment of environmental management. Prepared for the Dept. Conservation and Cultural Affairs, Govt. U. S. Virgin Islands.

Alcalá, A.C. and G.R. Russ. 1990. A direct test of the effects of protective management on abundance and yield of tropical marine resources. *J. Cons. Int. Explor. Mer.* 46:40-47.

Allen, W.H. 1992. Increased dangers to Caribbean marine ecosystems. *BioScience* 42:330-335.

Amesbury, S.S. 1981. Effects of turbidity on shallow-water reef fish assemblages in Truk, eastern Caroline Island. *Proc. Fourth Int. Coral Reef Symp.* Manila 1:155-159.

Atwood, D.K., J.C Hendee, and A. Mendez. 1992. An assessment of global warming stress on Caribbean coral reef ecosystems. *Bull. Mar. Sci.* 51(1):118-130.

Auster, P.J. and R.W. Langton. 1998. The indirect effects of fishing -- draft 2. Draft report for the National Marine Fisheries Service. 52 pp.

Barnes. R.D. 1987. *Invertebrate Zoology*. W. B. Saunders, Philadelphia.

Beach, D.K. and J.V.A. Trumbull. 1981. Marine geologic map of the Puerto Rico insular shelf, Isla Caja de Muertos area. *Miscellaneous Investigations Series*, U. S. Geological Survey, Map I-1265.

Beets, J., L. Lewand, and E. Zullo. 1986. Marine community descriptions and maps of bays within the Virgin Islands National Park/Biosphere Reserve. *Technical Publication Series Report No. 2*. U. S. Dept. Fish Wildlife and Virgin Islands Resource Management Cooperative. pp. 118.

Benedetti, M. 1991. Una "cacería" que nos cuesta muy cara: el aniquilamiento de nuestros recursos pesqueros. *Boletín Marino*, Programa de Colegio Sea Grant, Univ. Puerto Rico, Mayagüez 12(4):1-3.

- Birkland, C. 1977. The importance of rate of biomass accumulation in early successional stages of benthic communities to the survival of coral recruits. *In* Proceedings of the Third International Symposium on Coral Reefs. Vol. 1. Univ. Miami. Miami, FL. pp. 15-21.
- Bruce, A.J. 1974. Coral reef Caridea and "commensalism". *Micronesica* 12(1):83-98.
- Buddemeier, R.W. and S.V. Smith. 1988. Coral reef growth in an era of rapidly rising sea level: predictions and suggestions for long-term research. *Coral Reefs* 7:51-56.
- Bunkley-Williams, L., J. Morelock, E.H Williams, Jr. 1991. Lingering effects of the 1987 mass bleaching of Puerto Rican coral reefs in mid to late 1988. *Aquat. Anim. Health* 3(4): 242-247.
- Caribbean Fishery Management Council. 1984. Frequency distribution of types of ocean bottoms in the Puerto Rico and U. S. Virgin Islands geological platforms. Report, May, 1984.
- Carins, J. 1980. Coping with point-source discharges. *Fisheries* 5(6):3.
- Carlton, J.T. 1985. Transoceanic and interoceanic dispersal of coastal marine organisms: the biology of ballast water. *Oceanography and Marine Biology, An Annual Review* 23: 313-371.
- Carpenter, E.J., S.J. Anderson, G.R. Harvey, H.P. Milkas, and B.B. Peck. 1972. Polystyrene spherules in coastal waters. *Science* 178: 749-750.
- Carpenter, K.E., R.I. Micalat, V.D. Albaladejo, and V.J. Corpuz. 1981. The influence of substrate structure on the local abundance and diversity of Philippine reef fishes. *Proc. Fourth Int. Coral Reef Symp, Manila* 2:497-502.
- Cintrón, G. 1987. Caribbean mangroves: a manager's guide. Puerto Rico Department of Natural Resources.
- Cintrón, G. and Y. Schaeffer-Novelli. 1983. Mangrove forests: ecology and response to natural and man-induced stressors. *In: Coral reefs, seagrass beds and mangroves: their interaction in the coastal zones of the Caribbean. UNESCO Rep. Mar. Sci. No. 23. pp. 87-113. Workshop at the West Indies Lab. t. Croix, U. S. Virgin Islands. May, 1982.*
- Colby, M.E. 1989. The evolution of paradigms of environmental management in development. Working Paper No. 1 Strategic Planning and Review Dept., Washington, D.C.
- Colin, P.L. 1978. Caribbean reef invertebrates and plants. T. F. H. Publications, Inc. Ltd. Neptune City, N. J.
- Connell, J.H. 1978. Diversity in tropical rain forests and coral reefs. *Science*. 199:1302-1310.
- Davis, G. E. 1977. Anchor damage to a coral reef on the coast of Florida. *Biol. Cons.* 11:29-34.

- Dodge, R.E. and J.R. Vaisnys. 1977. Coral populations and growth patterns: responses to sedimentation and turbidity associated with dredging. *J. Mar. Res.* 35:715-730.
- Edmunds, P.J. 1991. Extent and effect of black band disease on a Caribbean reef. *Coral Reefs* 10(3):161-165.
- Ehringer, J.N. and F.J. Webb, Jr. 1992. Assessment of "Live Rock" harvesting in Tampa Bay. Project Report, Florida Sea Grant. pp. 20.
- EQB. 1990. Goals and progress of statewide water quality management planning, Puerto Rico. 1988-1990. Environmental Quality Board, prepared for the Office of the Governor, Commonwealth of Puerto Rico, San Juan, PR.
- Erdman, D.S. 1984. Exotic fishes in Puerto Rico. Chapter 8. *In: W. R. Courtney, Jr. and J. R. Stauffer, Jr. Distribution, Biology, and Management of Exotic Fishes.* The John Hopkins University Press. Baltimore, M.D. pp 162-176.
- Florida Marine Fisheries Commission. 1991. Review of Policy Decisions: Amendments to Chapter 46-42 "Marine Life". Tallahassee, Florida. Presented to a meeting of the Commission in Miami, Florida, December, 1991.
- Fonseca, M.S., W.J. Kenworthy, and G.W. Thayer. 1992. Seagrass beds: nursery for coastal species. *In: R. H. Stroud, (ed.) Stemming the tide of coastal fish habitat loss. Marine Recreational Fisheries* 14. pp. 141-147.
- Gabric, A.J. and P.R.F. Bell. 1993. Review of the effects of non-point nutrient loading on coastal ecosystems. *Aust. J. Mar. Freshwater Res.* 44(2):261-283.
- Galzin, R. 1981. Effects of coral sand dredging on fish fauna in the lagoon of "The Grand Cul de Sac Marin" Guadalupe-French West Indies. *Proc. Fourth Int. Coral Reef Symp.* Manila 1:115-121.
- Gladfelter, E.H., R.K. Monahan, and W.B. Gladfelter. 1978. Growth rates of five reef-building corals in the northeastern Caribbean. *Bull. Mar. Sci.* 28(4):728-734.
- Gladfelter, E.H., J.C. Bythell, S. Archer, S.K. Lewis, and M. Woodbury. 1991. Impact of Hurricane Hugo at Buck Island Reef National Monument, St. Croix, U. S. Virgin Islands: I. Effect on coral community structure and diversity relative to changes in the system since 1976 (Chapter 3). *Ecological studies of Buck Island Reef National Monument, St. Croix, U. S. Virgin Islands: a quantitative assessment of selected components of the coral reef ecosystem and establishment of long-term monitoring sites. Part 1. National Park Service coral Reef Assessment Program Report,* pp. 1-37.
- Gladfelter, W.B. 1982. White band disease in *Acropora palmata*: implications for the structure and growth of shallow reefs. *Bull. Mar. Sci.* 32:639-643.

- Goenaga, C. and M. Canals. 1990. Island-wide coral bleaching in Puerto Rico: 1990. *Caribbean J. Sci.* 26(3-4):171-175.
- Goenaga, C. and M. Canals. 1979. Relación de mortandad masiva de *Millepora complanata* (Cnidaria, Hydrozoa) con alta pluviosidad y escorrentía del Rio Fajardo en Cayo Ahogado, Fajardo, Puerto Rico. Memorias. VI Simposio de los Recursos.
- Goenaga, C. and G. Cintrón. 1979. Inventory of the Puerto Rican coral reefs. Report submitted to the Office of Coastal Zone Management, NOAA, Commonwealth of Puerto Rico.
- Goenaga, C. and G. Cintron. 1979. Inventory of the Puerto Rican coral reefs. Departamento de Recursos Naturales y National Oceanic and Atmospheric Administration. 189 pp.
- Goenaga, C. and R.H. Boulon, Jr. 1992. The state of Puerto Rican and U. S. Virgin Island corals: an aid to managers. Report submitted to the Caribbean Fishery Management Council. February, 1992. pp. 66.
- Goreau, T.J. 1992. Control of atmospheric carbon dioxide. *Global Environ. Change.* 2(1):5-11.
- Grana Raffucci, Felix A. 1993. Catálogo de nomenclatura de los moluscos de Puerto Rico e Islas Vírgenes. DNR, PR.
- Greenberg I. 1992. Guía de Corales y peces. Seahawk Press, Florida.
- Grigg, R.W. 1965. Ecological studies of black coral in Hawaii. *Pac. Sci.* 19(2):244-260.
- Grigg, R.W. 1976. Fishery management of precious and stony corals in Hawaii. UNIH-SEA GRANT-TR-77-03. pp. 48.
- Grizzle, J.M. 1981. Effects of hypolimnetic discharge on fish health below a reservoir. *Trans. Amer. Fish. Soc.* 110:29-43.
- Grizzle, J.M. 1983. Histopathology of fishes in relation to drilling operations near Flower Garden Banks. Vol. II. *In: Ecological effects of energy development on reef fish, ichthyoplankton and benthos populations in the Flower Garden Banks of the northwestern Gulf of Mexico, 1980-1982. A Final Report to EPA, EPA-79-D-X0514, 131p.*
- Hanlon, R.T. and R.F. Hixon. 1986. Behavioral associations of coral reef fishes with the sea anemone *Condylactis gigantea* in the Dry Tortugas, Florida. *Bull. Mar. Sci.* 35(1):130-134.
- Hansen, H.F. and M.C. Mora. 1985. Assessment of coral reefs at Cayo Berbería and Cayo Ratonés. Report of the Department of Natural Resources of Puerto Rico, Marine Resources Division. pp. 1-40.

- Hernández-Delgado, E.A. 1992. Coral reef status of northeastern and eastern Puerto Rican waters: Recommendations for long-term monitoring, restoration and a coral reef management plan. Submitted to the CFMC, Dec. 1. 1992 at 76th CFMC meeting. pp. 87.
- Highsmith, R.C. 1980. Geographic patterns of coral bioerosion: a productivity hypothesis. *J. Exp. Mar. Biol.* 46:77-96.
- Highsmith, R.C. 1981. Coral bioerosion: damage relative to skeletal density. *Am. Nat.* 117(2):193-198.
- Hixon, M.A. and J.P. Beets. 1993. Predation, prey refuges, and the structure of coral-reef fish assemblages. *Ecol. Monog.* 63(1):77-101.
- Hoss, D.E. and L.R. Settle. 1990. Ingestion of plastics by teleost fishes. pp. 693-709. *In:* R.S. Shomura and M.L. Godfrey (eds). Proceedings of the Second International Conference on Marine Debris. NOAA Technical Memorandum. NOAA-TM-NMFS-SWFSC-154. Miami, FL.
- Howard, L.S. and B.E. Brown. 1984. Heavy metals and reef corals. *Oceanogr. Mar. Biol. Ann. Rev.* 22:195-210.
- Hughes, T.P., D.C. Reed, and M.J. Boyle. 1987. Herbivory on coral reefs: community structure following mass mortalities of sea urchins. *J. Exp. Mar. Biol. Ecol.* 113: 39-59.
- Humann, P. 1992. Reef Creature Identification. New World Pub. Inc., Florida.
- Humann, P. 1993. Reef Coral Identification. New World Pub. Inc., Florida.
- Jaap, W.C. 1984. The ecology of the south Florida coral reefs: a community profile. Fish Wildl. Serv. FWS/OBS-82/08. 138p.
- Jackson, J.B.C. 1985. Distribution and ecology of clonal and aclonal benthic invertebrates. *In:* J.B.C. Jackson, L.W. Buss and R.E. Cook (eds.). Population biology and evolution of clonal organisms. Yale University Press. pp. 297-355.
- Jennison, B.L. 1981. Reproduction in three species of sea anemones from Key West, Florida. *Can. J. Zool.* 59(9):1708-1719.
- Kinzie, R.A. 1971. The ecology of the gorgonians (Cnidaria, Octocorallia) of Discovery Bay, Jamaica. PhD Diss., Tale Univ. pp. 107.
- Lasker, H.R. 1980. Sediment rejection by reef corals: the roles of behavior and morphology in *Montastrea cavernosa*. *Exp. Mar. Biol. Ecol.* 47:77-87.

- Lasker, H.R. 1980. Sediment rejection by reef corals: The roles of behavior and morphology in *Montastrea cavernosa*. J. Exp. Mar. Biol. Ecol. 47:1158-1159.
- Lindeman, K. C. 1997. Comparative management of beach systems of Florida and the Antilles: applications using ecological assessment and decision support procedures. pp. 134-164. In G. Cambers, ed. Managing beach resources in the smaller Caribbean islands. UNESCO Coastal Region and Small Island Papers # 1.
- Lindeman, K. C. and D. B. Snyder. In press. Nearshore hardbottom fishes of southeast Florida and effects of habitat burial by dredging. Fishery Bulletin 97(4).
- Lewis, J.B. 1977. Processes of organic production on coral reefs. Biological Reviews 52:305-347.
- Lightner, D.V. and R.M. Redman. 1991. Hosts, geographic range and diagnostic procedures for the penaeid virus diseases of concern to shrimp culturists in the Americas. In: P. DeLoach, W.J. Dougherty, and M.A. Davidson (eds.). Frontiers in shrimp research. Elsevier Science Publ. Amsterdam.
- Limbaugh, C. 1961. Cleaning symbiosis. Sci. Am. 205:42-49.
- Loya, Y. 1976. Effects of water turbidity and sedimentation on the community structure of Puerto Rican corals. Bull. Mar. Sci. 26:450-466.
- Ludwig, M., D. Rusanowsky, and C. Johnson-Hughes. 1997. The impact of installation and use of a pier and dock assembly on eelgrass (*Zostera marina*) at Star Island, Montauk, NY. National Marine Fisheries Service and Fish and Wildlife Service, New Milford, CT. 24 pp.
- Mager, A., Jr. and G.W. Thayer. 1986. National Marine Fisheries Service habitat conservation efforts in the Southeast Region of the United States from 1981 through 1985. Mar. Fish. Rev. 48(3):1-8.
- Malins, D.C. 1982. Alterations in the cellular and subcellular structure of marine teleosts and invertebrates exposed to petroleum in the laboratory and field: a critical review. Can. J. Fish. Aquatic Sci. 39:877-889.
- Manickchand-Heileman, S.C., R.S. Laydoo, and R.H. Hubbard. In press. A pilot project to determine the effectiveness of an artificial tire reef as a fish attraction device in the Gulf of Paria, Trinidad. Proc. Gulf Carib. Fish. Inst. 45.
- Manker, J.P. 1975. Distribution and concentration of mercury, lead, cobalt, zinc, and chromium in suspended particles and bottom sediments - Upper Florida Keys, Florida Bay and Biscayne Bay. Ph.D. Thesis. Rice University, Houston, TX. 114 p.

- Manooch, C.S. III. 1973. Food habits of yearling and adult striped bass, *Morone saxatilis* (Walbaum), from Albemarle Sound, North Carolina. *Chesapeake Science*. 14:73-86.
- Manooch, C.S. III and D.L. Mason. 1983. Comparative food studies of yellowfin tuna, *Thunnus atlanticus* (Pisces: Scrombridae) from the Caribbean and gulf coasts of the U.S. *Brimleyana*. 9:33-52.
- Minerals Management Service. 1996. Gulf of Mexico Sales 166 and 168: Central and Western Planning Areas--final environmental impact statement. Washington, DC. OCS EIS/EA MMS 96-0058.
- McKenzie, F. and M. Benton. 1972. The marine environments of Fajardo. Report submitted to Dept. Natural Resources, Commonwealth of Puerto Rico.
- Morelock, J., N. Schneidermann, and W. R. Bryant. 1977. Shelf reefs, southwestern Puerto Rico. *In: Frost, S., M. Weiss and J. Saunders (eds.) Reefs and related carbonates - ecology and sedimentology*. Tulsa, Oklahoma. Amer. Assoc. Petrol. Geol. pp. 17-25.
- Morelock, J., K. Boulon, and G. Galler. 1979. Sediment stress and coral reefs: *In: J.M. López (ed.) Symposium of energy industry and the marine environment in Guayanilla Bay: Center for Energy and Environmental Research, Univ. Puerto Rico*. pp. 46-58.
- Myers, N. 1983. Marine life and medicine. *In: A wealth of wild species: storehouse for human welfare*. Westview Press. Boulder, Colorado.
- National Oceanic and Atmospheric Administration. 1987. A summary of selected data on chemical contaminants in issues collected during 1984, 1985, and 1986. NOAA Technical Memorandum NOS OMA 38. Rockville, Maryland. 23pp. and Appendices.
- National Research Council Committee on Priorities for Ecosystem Research in the Coastal Zone, Ocean Sciences Board. 1994. Priorities for coastal ecosystem science. National Research Council, Washington, D.C., USA.
- Nixon, S. 1995. Coastal marine eutrophication: a definition, social causes, and future concerns. *Ophelia* 41:199-219.
- Norris, M.D.B. and J.L. Wheaton. 1991. Synopsis of live rock landings and historical review of issues. Florida Marine Research Institute, St. Petersburg, Florida. Presented to a meeting of the Marine Fisheries Commission in Miami, Florida. December, 1991.
- Oda, D. and F. Parrish. 1981. Ecology of commercial snappers and groupers introduced to Hawaiian reefs. *Proc. Fourth Int. Coral Reef Symp.* Manila. 1:59-67.

- Ogden, J.C. 1980. Faunal relationships in Caribbean seagrass beds. *In*: R.C. Phillips and C.P. McRoy (ed.). Handbook of seagrass biology: an ecosystem perspective. pp. 173-198. Garland STPM Press, New York.
- Ogden, J.C. and P.S. Lobel. 1978. The role of herbivorous fishes and urchins in coral reef communities. *Env. Biol. Fish.* 3(1):49-63.
- Ogden, J.C., R.A. Brown, and S. Salesky. 1973. Grazing by the echinoid *Diadema antillarum* Philippi-formation of halos around West Indian patch reefs. *Science* 182:715-717.
- Peter, N. 1989. U. Virgin Islands marine recreation services and facilities directory. Virgin Islands Marine Advisory Service, University of Puerto Rico Sea Grant Program. pp. 1-72.
- Peters, E.C. 1984. A survey of cellular reactions to environmental stress and disease in Caribbean scleractinian corals. *Helgo. Meeresunters.* 37:113-137.
- Pierce, K.V., B.B. McCain, and S.R. Wellings. 1980. Histopathology of abnormal livers and other organs of starry flounder *Platichthys stellus* (Pallus) from the estuary of the Duwamish River, Seattle, Washington. *J. Fish Dis.* 3:811-91.
- Plan Development Team. 1990. The potential of marine fishery reserves for reef fish management in the U.S. southern Atlantic. Coastal Resources Division Cont. No. CRD/89-90/04. pp.41.
- Randall, J.E. 1967. Food habits of reef fishes of the West Indies. *In*: Studies. Trop. Oceanogr. 5, Miami. p. 665-847.
- Roberts, C.M. and R.F.G. Ormond. 1987. Habitat complexity and coral reef fish diversity and abundance on Red Sea fringing reefs. *Mar. Ecol. Prog. Ser.* 41:1-8.
- Roberts, C.M. and N.V.C. Polunin. 1991. Are marine reserves effective in management of reef fisheries? *Reviews Fish Biol. Fish.* 1:65-91.
- Rogers, C.S. 1982. The marine environments of Brewers Bay, Perseverance Bay, Flat Cay and Saba Island, St. Thomas, V.I. with emphasis on coral reefs and seagrass beds; November 1978 to July 1981. V.I. Government, Dept. Conserv. And Cult. Affairs. 181 pp.
- Rogers, C.S. 1985. Degradation of Caribbean and western Atlantic coral reefs and decline of associated fisheries. *Proc. Fifth Int. Coral Reef Congr, Tahiti.* 6:491-496.
- Rogers, C.S. and R. Teytaud. 1988. Marine and terrestrial ecosystems of the Virgin Islands National Park and Biosphere Reserve. Biosphere Reserve Rep. No. 29. U. S. Dept. Interior, National Park Service and Virgin Islands Resource Management Cooperative, Virgin Islands National Park, U. S. Virgin Islands.

Rogers, C.S., L.N. McLain, and C.R. Tobias. 1991. Effects of Hurricane Hugo (1989) on a coral reef in St. John, USVI. *Mar. Ecol. Prog. Ser.* 78:189-199.

Rogers, C.S., L. McLain, and E.S. Zullo. 1988. Recreational used of marine resources in the Virgin Islands National Park and Biosphere Reserve: trends and consequences. Biosphere Reserve research report No. 24. Prepared for the U. S. Dept. Interior and the Virgin Islands Resource Management Cooperative.

Rogers, C.S., T. Suchanek, and F. Pecora. 1982. Effects of Hurricanes David and Frederic (1979) on shallow *Acropora palmata* reef communities: St. Croix, U. S. Virgin Islands. *Bull. Mar. Sci.* 32:532-548.

Russ, G. 1985. Effects of protective management on coral reef fishes in the central Philippines. *Proc. Fifth Int. Coral Reef Congr. Tahiti.* 4:219-224.

Russ, G. 1991. Coral reef fisheries: effects and yields. *In: P.F. Sale (ed.). The ecology of fishes on coral reefs.* Academic Press, Inc. San Diego, California.

Ryther, J. and W. Dunstan. 1971. Nitrogen, phosphorus, and eutrophication in the coastal marine environment. *Science* 171:375-380.

Sadovy, Y. 1991. A preliminary assessment of the export trade in marine aquarium organisms in Puerto Rico. P. R. Dept. Nat. Res. Fish. Res. Lab. ms. 43 pp.

Salvat, B. 1981. Preservation of coral reefs: scientific whim or economic necessity? Past, present and future. *Proc. Fourth Int. Coral Reef Symp.* 1:225-229.

Sammarco, P.W. 1980. *Diadema* and its relationship to coral spat mortality: grazing, competition, and biological disturbance. *J. Exp. Mar. Biol. Ecol.* 45:245-272.

Schaaf, W.E., D.S. Peters, D.S. Vaughan, L. Coston-Clements, and C.W. Krouse. 1987. Fish population responses to chronic and acute pollution: the influence of life history strategies. *Estuaries* 10: 267-275.

Schleibling, R.E. 1980. Dynamics and feeding activity of high-density aggregations of *Oreaster reticulatus* (*Echinodermata: Asteroidea*) in a sand patch habitat. *Mar. Ecol. Prog. Ser.* 2:321-327.

Scott, G.I., M.H. Fulton, J.Kucklick, T. Siewicki, T. Shearer, F. Holland, T. Chandler and D. Porter. 1997. Chemical Contaminants in the South Atlantic Bight: A Myriad of Contaminants-Which Ones Count? *In: G.S. Kleppel and M. R. DeVoe (eds).* The Caribbean Bight land use - coastal ecosystem study (LU-CES) Report of a planning workshop. Univ. Georgia Sea Grant Program and South Carolina Sea Grant Program. pp 36-37.

Smith, C.L. and J.C. Tyler. 1972. Space resource sharing in a coral reef fish community. *Bull. Nat. Hist. Mus. Los. Angeles County* 14:125-170.

Stolpe, N. 1997. New Jersey Fishnet. November 2. 1997.

Stout, V.F. 1980. Organochlorine residues in fishes from the northwest Atlantic Ocean and Gulf of Mexico. *Fish. Bull.* 78(1):51-58.

Szmant, A.M. 1986. Reproductive ecology of Caribbean reef corals. *Coral Reefs* 5:43-53.

Tetra Tech 1992. Characterization of use impairments of the U. S. Virgin Islands and Puerto Rico. Prepared by Tetra Tech for the U. S. Environmental Protection Agency.

Thayer, G.W., H. Hoffman, S.W.J. Kenworthy, J.F. Ustach, and A.B. Hall. 1978. Habitat values of salt marshes, mangroves, and seagrasses for aquatic organisms. *Wetland Functions and Values: The State of our Understanding*. American Water Resources Association, November 1978. pp. 235-247.

Thayer, G.W., J.P. Thomas and K.V. Koski. 1996. The habitat research plan of the National Marine Fisheries Service. *Fisheries*. 21(5):6-10.

Turner, R.E. and D.F. Boesch. 1987. Aquatic animal production and wetland relationships: insights gleaned following wetland loss or gain. Chapter 3. p. 25-39. *In* D.D. Hook et al. *The Ecology and Management of Wetlands, Vol. 1: Ecology of Wetlands*. Timber Press. Portland, Oregon.

U.S.Environmental Protection Agency. 1993. Guidance for specifying management measures for sources of non-point pollution in coastal waters. Office of Water. 840-B-92-002. 500+ p.

U.S. Department of Commerce. 1997. General description of non-fishing threats to essential fish habitat in the mid-Atlantic region (draft). NOAA/NMFS Unpublished document. 20 p.

Valdés-Pizzini, M. 1992. Social Impact Assessment on the Shallow-water Reefish, Queen Conch and Coral Fishery Management Plans. Submitted to the Caribbean Fishery Management Council. September, 1992. pp.116.

Valdés-Pizzini, M., R. Chaparro-Serrano, and J. Gutierrez-Sanchez. 1988. In support of marine recreational fishing: an assessment of access and infrastructure in Puerto Rico and the U. S. Virgin Islands. Research Report No. NA86-WC-H-06109. pp.1-72.

Vicente, V.P. 1992. A summary of ecological information on the seagrass beds of Puerto Rico. *In*: E. Seliger (ed.). *Coastal Plan Communities of Latin America*. New York Academic Press. pp.123-133.

- Vicente, V.P. 1975. Sea grass bed communities of Jobos Bay. *In*: Aguirre environmental studies, Jobos Bay, Puerto Rico. Final Report. pp. 27-49.
- Vicente, V.P. and C. Goenaga. 1984. Mass mortalities of the sea urchin *Diadema antillarum* (Philippi) in Puerto Rico. Center for Energy and Environmental Research (CEER-M-195).
- Vicente, V.P., R. Boulon, and T. Tallevast. 1992. Characteristics of green turtle (*Chelonia mydas*) grazing grounds in some Caribbean islands. Proc. Sea Turtle Symp. Georgia. Feb. 25, 1992.
- Vicente, V.P. and N.M. Carballeira. 1991. Studies on the feeding ecology of the hawksbill turtle *Eretmochelys imbricata* in Puerto Rico. NOAA Tech. Mem. NMFS-SEFC-302:117-119.
- Weinberg, S. 1981. A comparison of coral reef survey methods. *Bijdr. Dierkd.* 51:199-218.
- Wheaton, J.L. 1989. The marine-life fishery for "live rock": biological and ecological assessment of the product and implications for harvest. Florida Marine Research Institute. Flor. Dept. Nat. Res. pp. 18.
- Williams, E., C. Goenaga and V. Vicente. 1987. Mass bleachings on Atlantic coral reefs. *Science* 238:877-878.
- Wood, E. 1985. Exploitation of coral reef fishes for the aquarium trade. Report to the Marine Conservation Society. U. K. pp. 129.
- Wood, E.D., M.J. Youngbluth, M.F. Nutt, P. Yoshioka, and M.J. Canopy. 1975. Tortuguero Bay (Puerto Rico) environmental studies. Puerto Rico Nuclear Center, Mayagüez, Puerto Rico.
- Yoshioka, B.B. 1979. Aspects of the ecology of *Pseudopterogorgia americana* and *Pseudopterogorgia acerosa*. M. S. Thesis, Univ. Puerto Rico, Mayagüez. pp.105.
- Yoshioka, P.M. and B.B. Yoshioka. 1989. Effects of wave energy, topographic relief and sediment transport on the distribution of shallow-water gorgonians of Puerto Rico. *Coral Reefs* 8:145-152.
- Yoshioka, P.M. and B.B. Yoshioka. 1991. A comparison of the survivorship and growth of shallow-water gorgonian species of Puerto Rico. *Mar. Ecol. Prog. Ser.* 69:253-260.
- Zieman, J.C. 1982. The ecology of the seagrasses of south Florida: a community profile. U. S. Fish Wildl. Serv. FWS/OBS-82/25.