A Selected Bibliography of Ecological and Land Use Studies of Barnegat Bay

By Category

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Recreational Impacts | Sea Level Rise | Submerged Aquatic Vegetation | Water Quality
Wetlands

Algal Blooms

Anderson DM, Keafer DA, Kulis DM, et al. (1993). An immunofluorescent survey of the brown tide chrysophyte Aureococcus anophagefferens along the northeast coast of the United States. Journal of Plankton Research;15(5):563-580.

Atherholt T, Ruppel B. (2007). <u>Pfiesteria Monitoring in New Jersey: 1998-2000. Fourth Update, June 8, 2007</u>. Trenton, NJ: Division of Science, Research and Technology, New Jersey Department of Environmental Protection.

Bricker SB, et al. (2008). Effects of nutrient enrichment in the nation's estuaries: A decade of change. Harmful Algae;8(1):21-32. doi:10.1016/j.hal.2008.08.028

Gastrich MD, Lathrop R, Haag S, Weinstein MP, Danko M, Caron DA, Schaffner R. (2004). Assessment of brown tide blooms, caused by Aureococcus anophagefferans, and contributing factors in New Jersey coastal bays: 2000-2002. Harmful Algae;3: 305-320.

Gastrich MD, Leigh-Bell JA, Gobler CJ, Anderson OR, Wilhelm SW, Bryan M. (2004). Viruses as potential regulators of regional brown tide blooms caused by the alga, *Aureococcus anophagefferens*. Estuaries and Coasts; 27(1): 112-119.

Gastrich MD, Lathrop R, Haag S, Weinstein MP, Danko M, Caron DA, Shaffner R. (2003). Research Project Summary: Brown tide bloom assessment project in NJ coastal waters: 2000-2002. Trenton, NJ: New Jersey Dept. of Environmental Protection, Environmental Assessment and Risk Analysis Element.

Gastrich MD, Anderson OR, Cosper EM. (2002). Viral-like particles (VLPS) in the alga, Aureococcus anophagefferens (pelagophyceae), during 1999-2000 brown tide blooms in Little Egg Harbor, New Jersey. Estuaries and Coasts;25(5):938-943, DOI: 10.1007/BF02691342.

Gastrich MD, Wazniak CE. (2002). A brown-tide bloom index based on the potential harmful effects of the brown-tide alga, Aureococcus anophagefferens. Aquatic Ecosystem Health & Management;5(4):435-441. DOI: 10.1080/14634980290002011

Gastrich MD. (2000). <u>Harmful algal blooms in coastal waters of New Jersey.</u> Trenton, NJ: New Jersey Dept. of Environmental Protection, Division of Science, Research and Technology.

Kennish MJ, Haag SM, Sakowicz GP. (2007). <u>Demographic Investigation of Seagrasses in the Barnegat Bay-Little Egg Harbor Estuary with Assessment of Potential Impacts of Benthic Macroalgae and Brown Tides.</u> Technical Report. New Brunswick, NJ, Institute of Marine and Coastal Sciences, Rutgers University.

Lathrop RG, Haag S. (2005). <u>Brown Tide Assessment Project Years 2000-2004: Developing Indicators of Brown Tide Blooms in NJ Coastal Waters, Final Report</u>. Prepared by Center for Remote Sensing and Spatial Analysis (CRSSA), Rutgers University. Trenton, NJ: New Jersey Department of Environmental Protection, Division of Science, Research and Technology.

Loveland RE, Brauner JF, Taylor JE, Kennish MJ. (1984). Macroflora. In: Kennish MJ, Lutz RA (eds). Ecology of Barnegat Bay, New Jersey. New York: Springer-Verlag. pp 78-94.

New Jersey Department of Environmental Protection and New Jersey Department of Health and Senior Services. (2000). <u>Pfiesteria: Background Information and Contingency Plan</u>. Trenton, NJ: New Jersey Department of Environmental Protection and New Jersey Department of Health and Senior Services.

Pecchioli JA. Lathrop R, Haag S. (2006). Research Project Summary: Brown Tide Assessment Project in NJ Coastal Waters: A comparison of three bloom years (2000-2002) with two non-bloom years (2003-04). Trenton, NJ: Division of Science, Research and Technology, New Jersey Department of Environmental Protection.

Taylor JE. (1970). The ecology and seasonal periodicity of benthic marine algae from Barnegat Bay, New Jersey . Ph.D. dissertation. New Brunswick, NJ: Rutgers University.

Amphibians, Mammals, and Reptiles

AmerGen Energy Company, LLC. (2004 December). <u>Assessment of the Impacts of the Oyster Creek Generating Station on Kemp's Ridley (Lepidochelys kempii)</u>, <u>Loggerhead (Caretta caretta) and Atlantic Green (Chelonia mydas) Sea Turtles</u>. Forked River, NJ: Oyster Creek, AmerGen Energy Company, LLC.

Basile ER, Avery HW, et al. (2011). Diamondback terrapins as indicator species of persistent organic pollutants: Using Barnegat Bay, New Jersey as a case study. Chemosphere;82(1):137-144

Basile ER. (2010). Persistent Organic Pollutants in Diamondback Terrapin (Malaclemys terrapin) Tissues and Eggs, and Sediments in Barnegat Bay, New Jersey. PhD thesis. Philadelphia, PA: Drexel University.

Burger, J. 2002. Metals in Tissues of Diamondback Terrapin from New Jersey. Environmental Monitoring and Assessment;77(3):255-263.

Eaton-Poole L, Pinkney AE, Green DE, Sutherland DR, Babbitt KR. (2003). Investigation of frog abnormalities on National Wildlife Refuges in the Northeast U.S. In: Linder G, et al. (eds). Multiple Stressor Effects in Relation to Declining Amphibian Populations. West Conshohocken, PA: ASTM International.

Endangered and Nongame Species Program. (2006). <u>New Jersey Marine Mammal and Sea Turtle Conservation Workshop Proceedings</u>. Trenton, NJ: Endangered and Nongame Species Program, Division of Fish and Wildlife, Natural & Historic Resources Program, New Jersey Department of Environmental Protection.

Sheridan CM. Spotila JR, Bien WF, Avery HW. (2010). Sex-biased dispersal and natal philopatry in the diamondback terrapin, Malaclemys terrapin. <u>Molecular Ecology</u>; 19 (24):5497-5510.

Sheridan CM. (2010). <u>Mating system and dispersal patterns in the diamondback terrapin (Malaclemys terrapin)</u>. PhD thesis. Philadelphia, PA: Drexel University.

Szerlag-Egger S and McRobert SP. (2007). Northern Diamondback Terrapin Occurrence, Movement, and Nesting Activity Along a Salt Marsh Access Road. Chelonian Conservation and Biology;6(2):295-301. doi: 10.2744/1071-8443(2007)6[295:NDTOMA]2.0.CO;2

Wnek JP. (2010). <u>Anthropogenic Impacts on the Reproductive Ecology of the Diamondback Terrapin, Malaclemys terrapin</u>. PhD thesis. Philadelphia, PA: Drexel University.

Birds

Burger J, Gochfeld M, Jenkins CD, Lesser F. (2010). Effect of approaching boats on nesting black skimmers: using response distances to establish protective buffer zones. Journal of Wildlife Management;74(1):102-108.

Burger J, Gochfeld M. (2004). Metal levels in eggs of common terns (Sterna hirundo) in New Jersey: temporal trends from 1971 to 2002. Environmental Research;94(3):336-343. doi:10.1016/S0013-9351(03)00081-1

Burger J, Gochfeld M. (2003). Spatial and temporal patterns in metal levels in eggs of common terns (Sterna hirundo) in New Jersey. The Science of the Total Environment;311(1-3):91-100.

Burger J, Lesser F. (1980). Nest Site Selection in an Expanding Population of Herring Gulls. Journal of Field Ornithology; 51(3): 270-280.

Burger J, Gochfeld M. (1998). Effects of lead and sibling recognition in young herring gulls. Toxicological Sciences;43:155-160.

Burger J, Gochfeld M. (1997). Risk, mercury levels, and birds: Relating adverse laboratory effects to field biomonitoring. Environmental Research;75:160-172.

Burger J, Gochfeld M. (1993). Lead and behavioral development in young herring gulls: effects of timing of exposure on individual recognition. Fundamental and Applied Toxicology; 21:187-195.

Burger J, Gochfeld M. (1991). The Common Tern: Its Breeding Biology and Social Behavior. New York: Columbia University Press.

Burger J, Gochfeld M. (1990). The Black Skimmer: Social Dynamics of a Colonial Species. New York: Columbia University Press.

Burger J. (2002). Effects of motorboats and personal watercraft on nesting terns: conflict resolution and the need for vigilance. <u>Journal of Coastal Research</u>; 37(Special Issue): 7-17.

Burger J. (2002). Food Chain Differences Affect Heavy Metals in Bird Eggs in Barnegat Bay, New Jersey. Environmental Research;90(1):33-39. doi:10.1006/enrs.2002.4381

Burger J, Jenkins CD Jr., Lesser F, Gochfeld M. (2001). Status and trends of colonially-nesting birds in Barnegat Bay. Journal of Coastal Research;32(Special Issue):197-211.

Burger J. (1998). Effects of Motorboats and Personal Watercraft on Flight Behavior over a Colony of Common Terns. Condor. 100(3):528-534.

Burger J. (1994). The effect of human disturbance on foraging behavior and habitat use in piping plover (Charadrius melodus). Estuaries;17(3):695-701.

Burger J. (1990). Behavioral effects of early postnatal lead exposure in herring gull (Larus argentatus) chicks. Pharmacology, Biochemistry, and Behavior;35:7-13.

Burger J. (1987). Physical and social determinants of nest-site selection in piping plover in New Jersey. The Condor;89(4):811-818.

Burger J. (1984). Colony stability in Least Terns. The Condor;86(1):61-67.

Burger J. (1982). The role of reproductive success in colony-site selection and abandonment in Black Skimmers (Rynchops niger). The Auk;99(1):109-115.

Burger J. (1981). Effects of human disturbance on colonial species, particularly gulls. Colonial Waterbirds 4:28-36.

Burger J. Lesser F. (1978). Selection of colony sites and nest sites by Common Terns (Sterna hirundo) in Ocean County, New Jersey. Ibis;120(4):433-449.

Burger J, Shisler J. (1978). Nest site selection and competitive interactions of Herring and Laughing Gulls in New Jersey. The Auk;95(2):252-266

Burger J and Shisler J. (1978). The effects of ditching a salt marsh on colony and nest site selection by Herring Gulls (Larus argentatus). American Midland Naturalist; 100(1):54-63.

Burger J, Viscido K, Gochfeld M. (1995). Eggshell thickness in marine birds in the New York Bight-1970s to 1990s. Archives of Environmental Contamination and Toxicology;29(2):187-191.

Clark K, Wurst B, Valent M. (2010). <u>Peregrine Falcon Research and Management Program in New Jersey</u>. <u>2010</u>. Trenton, NJ: Endangered and Nongame Species Program, Division of Fish and Wildlife, Natural & Historic Resources Program, New Jersey Department of Environmental Protection. <u>Reports for previous years</u> can be found here.

Clark K, Wurst B. (2010). <u>The 2010 Osprey Project in New Jersey</u>. Trenton, NJ: Endangered and Nongame Species Program, Division of Fish and Wildlife, Natural & Historic Resources Program, New Jersey Department of Environmental Protection. <u>Reports for previous years can be found here</u>.

Custer TW, Osborn RG, Stout WF. (1980). <u>Distribution</u>, <u>Species Abundance</u>, <u>and Nesting-Site Use of Atlantic</u> Coast Colonies of Herons and Their Allies. The Auk; 97(3):591-600.

Dey PM, Burger J, Gochfeld M, Reuhl KR. (2000). Developmental lead exposure disturbs expression of synaptic neural cell adhesion molecules in herring gull brains. Toxicology;146:137.

Gochfeld M. (1997). Spatial patterns in a bioindicator: Heavy metal and selenium concentration in eggs of herring gulls (Larus argentatus) in the New York Bight. Archives of Environmental Contamination and Toxicology; 33:63-70.

Hecht A, Melvin SM. (2009). Population trends of Atlantic Coast Piping Plovers, 1986-2006. Waterbirds 32(1):64-72. doi: 10.1675/063.032.0107.

Hecht A, Melvin SM. (2009). Expenditures and effort associated with recovery of breeding Atlantic Coast Piping Plovers. Journal of Wildlife Management;73(7):1099-1107. doi: 10.2193/2008-061.

Henny CH, Byrd MA, Jacobs JA, McLain PD, Todd MR, Halla BF. (1977). Mid-Atlantic coast osprey population: present numbers, productivity, pollutant contamination, and status. The Journal of Wildlife Management; 41(2):254-265.

Jenkins CD, Pover T, Kisiel C. (2004). <u>Piping Plover Nesting Results in New Jersey: 2004</u>. Trenton, NJ: Endangered and Nongame Species Program, Division of Fish and Wildlife, Natural & Historic Resources Program, New Jersey Department of Environmental Protection.

Kisiel CL. (2009). <u>The Spatial and Temporal Distribution of Piping Plovers in New Jersey: 1987-2007</u>. M.S. Thesis, Graduate Program in Ecology and Evolution. New Brunswick, NJ: Rutgers University.

Kisiel C, Jenkins D. (2007). Enhancing Piping Plover Foraging Habitat in New Jersey. In: Proceedings of the Second Regional Workshop on Dredging, Beach Nourishment, and Birds on the North Atlantic Coast. Vol. TR-07, no. 26, pp. 55-56.

Ladin ZS, Castelli PM, McWilliams SR, Williams CK. (2011). Time energy budgets and food use of Atlantic brant across their wintering range. The Journal of Wildlife Management;75(2):273-282. DOI: 10.1002/jwmg.58.

Maslo B, Handel SN, Pover T. (2011). Restoring Beaches for Atlantic Coast Piping Plovers (Charadrius melodus): A Classification and Regression Tree Analysis of Nest-Site Selection. Restoration Ecology;19:194-203.

DOI: 10.1111/j.1526-100X.2010.00709.x

Mittelhauser GH. (2008). Harlequin Ducks in the Eastern United States. Waterbirds;31(sp2):58-66.

Palestis BG. (2009). Use of Artificial Eelgrass Mats by Saltmarsh-Nesting Common Terns (Sterna hirundo). In Vivo; 30(3): 11-16.

Pover T, Kisiel C. (2010). <u>Piping Plover Nesting Results in New Jersey: 2010</u>. Trenton, NJ: Endangered and Nongame Species Program, Division of Fish and Wildlife, Natural & Historic Resources Program, New Jersey Department of Environmental Protection.

Seavey JR, Gilmer B, McGarigal KM. (2011). Effect of sea-level rise on piping plover (Charadrius melodus) breeding habitat. Biological Conservation;144(1): 393-401. doi:10.1016/j.biocon.2010.09.017.

Shukla S. (2009). <u>Common terns (Sterna hirundo) as indicators of ecosystem response to urbanization in the Barnegat Bay Watershed region of New Jersey, 1982-2007</u>. M.S. Thesis, Graduate Program in Geography. New Brunswick, NJ: Rutgers University.

Smith L, Clark KE. (2010). <u>New Jersey Bald Eagle Project, 2010</u>. Trenton, NJ: Endangered and Nongame Species Program, Division of Fish and Wildlife, Natural & Historic Resources Program, New Jersey Department of Environmental Protection. <u>Reports for previous years can be found here</u>.

Wiemeyer SN, Swineford DM, Spitzer PR, McLain PD. (1978). Organochlorine residues in New Jersey osprey eggs. Bulletin of Environmental Contamination and Toxicology;19(1):56-63

Ecological Characterization

Barnegat Bay National Estuary Program. (2005). <u>2005 State of the Bay Technical Report</u>. Toms River, NJ: Barnegat Bay Partnership, Ocean County College.

Barnegat Bay National Estuary Program Science and Technical Advisory Committee. (2001). <u>The Scientific Characterization of the Barnegat Bay-Little Egg Harbor Estuary and Watershed</u>. <u>Barnegat Bay National Estuary Program</u>. Toms River, NJ: Barnegat Bay Partnership, Ocean County College.

Chizmadia PA, Kennish MJ, Ohori VL. (1984). Physical description of Barnegat Bay. In: Kennish MJ, Lutz RA (eds). Ecology of Barnegat Bay, New Jersey. New York: Springer-Verlag. pp 1-28.

Durand JB. (1984). Nitrogen distribution in New Jersey Coastal Bays. In: Kennish MJ, Lutz RA. (eds). Ecology of Barnegat Bay, New Jersey. New York: Springer-Verlag. pp 29-51.

Ecological Analysts, Inc. (1981 February). <u>Ecological Studies at Oyster Creek Nuclear Generating Station:</u>
Progress report for the period September 1979 - August 1980. Prepared for Jersey Central Power and Light Company. Morristown, NJ: Jersey Central Power and Light Company.

Gorleski ES, Schmid KA. (2005). <u>Habitat loss analysis of a sedge Island in Little Egg Harbor, New Jersey</u>. Presented at Coastal GeoTools '05, Myrtle Beach, SC, 7-10 Mar 2005. In: Proceedings of Coastal GeoTools 05, p. 28.

Ichthyological Associates, Inc. (1979). <u>Ecological studies for the Oyster Creek Generating Station: finfish, shellfish, and plankton</u>. Prepared by Ichthyological Associates, Inc., Ithaca NY. Morristown, NJ: Jersey Central Power and Light Company.

Ichthyological Associates, Inc. (1979). Report of data collected for ecological studies for the Oyster Creek Generating Station. September 1978-March 1979. Two volumes. Part One: Finfish, Shellfish and Plankton; Part Two: Appendix Tables. Prepared by Ichthyological Associates, Inc., Ithaca NY. Morristown, NJ: Jersey Central Power and Light Company.

Ichthyological Associates, Inc. (1978). Report of data collected for ecological studies for the Oyster Creek Generating Station. September 1977 - March 1978. Two Volumes. Part One: Finfish, Shellfish, and Plankton. Part Two: Appendix Tables. Prepared for Jersey Central Power and Light Company. Forked River, NJ: Ichthyological Associates, Inc.

Ichthyological Associates, Inc. (1977). <u>Ecological studies for the Oyster Creek Generating Station: progress Report for the Period September 1975 - August 1976. Volume 1: Fin- and Shellfish.</u> Prepared by Ichthyological Associates, Inc., Ithaca NY. Morristown, NJ: Jersey Central Power and Light Company.

Ichthyological Associates, Inc. (1977). <u>Ecological studies for the Oyster Creek Generating Station: progress Report for the Period September 1975 - August 1976. Volume 2: Plankton</u>. Prepared by Ichthyological Associates, Inc., Ithaca NY. Morristown, NJ: Jersey Central Power and Light Company.

Ichthyological Associates, Inc. (1973). <u>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 for the period January - December 1972</u>. Prepared by Ichthyological Associates, Ithaca, NY. Newark, NJ: Public Service Electric and Gas Company.

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Jivoff PR. (2008). The Impact of Artificial Shorelines on Species Diversity, Secondary Production and Habitat Quality in Barnegat Bay: final report to the Barnegat Bay National Estuary Program. Trenton, NJ: New Jersey Department of Environmental Protection; Lawrenceville, NJ: Rider University.

Jivoff PR. (2005). <u>The Effect of Artificial Shoreline on Habitat Quality and Mortality of Blue Crabs, Callinectes sapidus</u>. Project Report. Prepared for the Barnegat Bay Partnership. Lawrenceville, NJ: Department of Biology, Rider University.

Kennish MJ, Bricker SB, Dennison WC, Glibert PM, Livingston RJ, Moore KA, Noble RT, Paerl HW, Ramstack JM, Seitzinger S, Tomasko DA, Valiela I. (2007). Barnegat Bay-Little Egg Harbor Estuary: case study of a highly eutrophic coastal bay system. Ecological Applications;17(5 Suppl):S3-S16.

Kennish MJ. (2007). <u>Barnegat Bay-Little Egg Harbor Estuary: Ecosystem Condition and Recommendations</u>. Technical Report. New Brunswick, NJ: Institute of Marine and Coastal Sciences, Rutgers University.

Kennish MJ. (ed.). (2007). <u>Eutrophication of Estuarine and Shallow Coastal Marine Systems</u>. <u>Ecological Applications</u>;17(5 Supplement). 196 pp.

Kennish MJ, Townsend AR. (2007). <u>Nutrient enrichment and estuarine eutrophication</u>. <u>Ecological Applications</u>;17(5 Supplement):S1-S2.

Kennish MJ. (2001). Physical description of the Barnegat Bay-Little Egg Harbor Estuarine System. <u>Journal of Coastal Research</u>;32(Special Issue):13-27.

Kennish MJ, Lutz RA (eds). (1984). Ecology of Barnegat Bay, New Jersey. New York: Springer-Verlag.

Kennish MJ, Loveland RE.(1984). Trophic relationships. In: Kennish MJ, Lutz RA. (eds). Ecology of Barnegat Bay, New Jersey. New York: Springer-Verlag. pp 302-317.

Kennish MJ, Roche MB, Tatham TR. (1984). Anthropogenic effects on aquatic communities. In: Kennish MJ, Lutz RA. (eds). Ecology of Barnegat Bay, New Jersey. New York: Springer-Verlag. pp 318-338.

Lathrop RG, Cole MB, Showalter RD. (2000). Quantifying the habitat structure and spatial pattern of New Jersey (USA) salt marshes under different management regimes. Wetlands Ecology and Management. 8:163-172.

Livingston R J. (2003). Trophic Organization in Coastal Systems. CRC Press, Boca Raton, Florida.

Loveland RE, Brauner JF, Taylor JE, Kennish MJ. (1984). Macroflora. In: Kennish MJ, Lutz RA (eds). Ecology of Barnegat Bay, New Jersey. New York: Springer-Verlag. pp 78-94.

Loveland RE, Shafto SS. (1984). Fouling organisms. In: Kennish MJ, Lutz RA (eds). Ecology of Barnegat Bay, New Jersey. New York: Springer-Verlag. pp 226-240.

Maciolek NJ, Belmore CI, Harrison E, Morris H. (1980). <u>Distribution and Abundance of Corophim Tuberculatum and Hydroides Dianthus in Relation to the Thermal Discharge from the Oyster Creek Generating Station</u>. Prepared by William F. Clapp Laboratories, Duxbury MA. Morristown, NJ: Jersey Central Power and Light Company.

Milstein CB, Sandine PH, Thomas DL. (1975). 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 for the period January-December 1974. Prepared by Ichthyological Associates, Ithaca, NY. Newark, NJ: Public Service Electric and Gas Company. 3 volumes.

<u>Volume 1 - Fishes | Volume 1 - Tables | Volume 1-Appendix</u>

Volume 2 - Epifauna, Marine Algae, Benthic Invertebrates, Protoplankton, Zooplankton

Volume 3 - A Quantitative Study of Vegetation near the Great Bay Boulevard, Tuckerton, New Jersey.

Milstein CB, Sandine PH, Thomas DL. (1974). 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 for the period January-December 1973. Prepared by Ichthyological Associates, Ithaca NY. Newark, NJ: Public Service Electric and Gas Company.

Mountford K. (1984). Phyoplankton. In: Kennish MJ, Lutz RA. (eds). Ecology of Barnegat Bay, New Jersey. New York: Springer-Verlag. pp 52-77.

Peterson CH. (1979). The importance of predation and competition in organizing the intertidal epifaunal communities of Barnegat Inlet, New Jersey. <u>Oecologia</u>;39(1):1-24.

Phelan BA, Goldberg R, Bejda AJ, et al. (2000). Estuarine and habitat-related differences in growth rates of young-of-the-year winter flounder (Pseudopleuronectes_ americanus) and tautog (Tautoga onitis) in three northeastern US estuaries. Journal of Experimental Marine Biology and Ecology;247:1-28.

Richards BR, Hillman RE, Maciolek NJ. (1984). Shipworms. In: Kennish MJ, Lutz RA. (eds). Ecology of Barnegat Bay, New Jersey. New York: Springer-Verlag. pp 201-225.

Roman CT, Jaworski N, Short FT, Findlay S, Warren RS. (2000). <u>Estuaries of the Northeastern United States:</u> <u>Habitat and Land Use Signatures</u>. Estuaries and Coasts;23(6):743-764.

Sandine PH. (1984). Zooplankton. In: Kennish MJ, Lutz RA. (eds). Ecology of Barnegat Bay, New Jersey. New York: Springer-Verlag. pp 95-134.

Tatham TR, Thomas DL, Danila DJ. (1984). Fishes of Barnegat Bay, New Jersey. In: Kennish MJ, Lutz RA (eds). Ecology of Barnegat Bay, New Jersey. New York: Springer-Verlag. 241-280.

Thomas DL, Milstein CB. (1973). 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 for the period January - December 1972. Prepared by Ichthyological Associates, Ithaca, NY. Newark, NJ: Public Service Electric and Gas Company.

U.S. Environmental Protection Agency. (2007). <u>Barnegat Bay National Estuary Program</u> In: National Estuary Program Coastal Condition Report. EPA-842/B-06/001. Washington, DC: U.S. Environmental Protection Agency, Office of Water, Office of Research and Development.

Zampella RA, Procopio NA, Du Brul MU, Bunnell JF. (2008). <u>An ecological-integrity assessment of the New Jersey Pinelands</u>. A comprehensive assessment of the landscape, aquatic and wetlands systems of the region. New Jersey Pinelands Commission, New Lisbon, New Jersey, USA.

Zampella RA, et al. (2006). <u>The Barnegat Bay Watershed: A Report to the Pinelands Commission on the Status of Selected Aquatic and Wetland Resources.</u> New Lisbon, NJ: Long-Term Environmental-Monitoring Program, Pinelands Commission.

Zampella RA, Procopio NA, Laidig KJ, Bunnell JF. (2004). <u>The Essential Character of the Oyster Creek Watershed</u>. New Lisbon, NJ: The Pinelands Commission.

Eutrophication & Nutrients

Barnegat Bay Partnership. (2011). <u>State of the Bay Report: 2011</u>. Toms River, NJ: Barnegat Bay Partnership, Ocean County College.

Bowen JL, Ramstack JM, Mazzilli S, Valiela I. (2007). <u>NLOAD: an interactive, web-based modeling tool for nitrogen management in estuaries.</u> Ecological Applications; 17(5) Supplement: pp. S17-S30.

Bricker SB, et al. (2008). Effects of nutrient enrichment in the nation's estuaries: A decade of change. Harmful Algae;8(1):21-32. doi:10.1016/j.hal.2008.08.028

Bricker SB, Longstaff B, Dennison W, Jones A, Boicourt K, Wicks C, Woerner J. (2007). <u>Effects of Nutrient Enrichment in the Nation's Estuaries: A Decade of Change.</u> Silver Spring, MD: NOAA, National Ocean Service, Special Projects Office and National Centers for Coastal Ocean Science

Bricker SB, Clement CG, Pirhalla DE, Orlando SP, Farrow DRG. (1999). <u>National Estuarine Eutrophication Assessment: Effects of Nutrient Enrichment in the Nation's Estuaries.</u> Silver Spring, MD: NOAA, National Ocean Service, Special Projects Office and National Centers for Coastal Ocean Science

Castro MS, Driscoll CT, Jordan TE, et al. (2003). Sources of nitrogen to estuaries in the United States. Estuaries and Coasts;26(3):803-814.

Castro MS, Driscoll CT, Jordan TE, Reay WG, Boynton WR, Seitzinger SP, Styles RV, Cable JE. (2001). Contribution of atmospheric deposition to the total nitrogen loads in thirty-four estuaries on the Atlantic and Gulf Coasts of the United States. In: Valigura RA, et al (eds). Nitrogen Loading in Coastal Water Bodies: An Atmospheric Perspective. Washington, DC: American Geophysical Union. Pages 77-106.

Condon RH, Steinberg DK, del Giorgio PA, Bouvier TC, Bronk DA, Graham WM, Ducklow HW. (2011 In-Press). <u>Jellyfish blooms result in a major microbial respiratory sink of carbon in marine systems.</u>" Proceedings of the National Academy of Sciences. doi: 10.1073/pnas.1015782108

Durand JB. (1984). Nitrogen distribution in New Jersey Coastal Bays. In: Kennish MJ, Lutz RA. (eds). <u>Ecology of Barnegat Bay, New Jersey</u>. New York: Springer-Verlag. pp 29-51.

Gao Y, Kennish MJ, Flynn AM. (2007). <u>Atmospheric nitrogen deposition to the New Jersey coastal waters and its implications</u>. Ecological Applications;17(5 Suppl):S31-S41.

Gardner WS, Seitzinger SP, Malczyk JM. (1991). The effects of sea salts on the forms of nitrogen released from estuarine and freshwater sediments: Does ion pairing affect ammonium flux? Estuaries and Coasts;14(2):157-166.

Guo Q, Psuty NP. (2000). The nitrogen flux through Barnegat Inlet: The ocean as source as well as sink. The Jersey ShoreLine;19(4).

Howarth R, Swaney D, Billen G, Garnier J, Hong B, Humborg C, Johnes P, et al. (In-Press 2011). Nitrogen fluxes from the landscape are controlled by net anthropogenic nitrogen inputs and by climate. Frontiers in Ecology and the Environment. doi:10.1890/100178

Hunchak-Kariouk K, Nicholson RS. (2001). Watershed contributions of nutrients and other nonpoint source contaminants to the Barnegat Bay-Little Egg Harbor estuary. <u>Journal of Coastal Research</u>;32 (Special Issue):28-82.

Hunchak-Kariouk K. (1996). Relation of loads of ammonia, nitrate, and bacteria to land use during base flow and stormflow in three tributaries to the Toms River, New Jersey, 1994-95, in Flimlin, G.E., Jr. and Kennish, M.J., eds., Proceedings of the Barnegat Bay Ecosystem Workshop, November 14, 1996, Toms River, New Jersey: , p. 49-61.

Kennish MJ, Haag SM, Sakowicz GP. (2010). Impacted seagrass habitat in a temperate coastal lagoon: Responses to increasing eutrophic condition. Estuaries and Coasts, 52 pp. (Manuscript Submitted).

Kennish MJ. (2009). Eutrophication of mid-Atlantic coastal bays. Bulletin of the New Jersey Academy of Science;54:5-12.

Kennish MJ, Haag SM, Sakowicz GP. (2009). <u>Assessment of eutrophication in the Barnegat Bay-Little Egg Harbor system: use of SAV biotic indicators of estuarine condition.</u> Prepared by the Institute of Marine and Coastal Sciences of Rutgers University, Center for Remote Sensing and Spatial Analysis of Rutgers University and the Rutgers University Marine Field Station (Tuckerton, NJ). Trenton, NJ: N.J. Dept. of Environmental Protection, Office of Science.

Kennish MJ, Haag SM. (2009). <u>Developing a Nutrient Pollution Indicator for the Barnegat Bay-Little Egg Harbor Estuary Using Eelgrass, *Zostera marina*. Prepared by the Institute of Marine and Coastal Sciences, Rutgers University. Toms River, NJ: Barnegat Bay Partnership, Ocean County College.</u>

Kennish MJ, Bricker SB, Dennison WC, Glibert PM, Livingston RJ, Moore KA, Noble RT, Paerl HW, Ramstack JM, Seitzinger S, Tomasko DA, Valiela I. (2007). Barnegat Bay-Little Egg Harbor Estuary: case study of a highly eutrophic coastal bay system. Ecological Applications;17(5 Suppl):S3-S16.

Kennish MJ. (ed.). (2007). <u>Eutrophication of Estuarine and Shallow Coastal Marine Systems</u>. <u>Ecological Applications</u>;17(5 Supplement). 196 pp.

Kennish MJ, Townsend AR. (2007). <u>Nutrient enrichment and estuarine eutrophication</u>. <u>Ecological Applications</u>;17(5 Supplement):S1-S2.

Livingston RJ. (2001). Eutrophication Processes in Coastal Systems: Origin and Succession of Plankton Blooms and Effects on Secondary Production in Gulf Coast Estuaries. CRC Press, Boca Raton, Florida.

Rutgers New Jersey Agricultural Experiment Station, Barnegat Bay Partnership, New Jersey Department of Environmental Protection. (2010). Summary: Summit Meeting on the Role of Nutrient Management in Urban and Suburban Landscapes in Nutrient Loading of Surface and Ground Waters. Bordentown, NJ: Environmental Research and Extension Center, New Jersey Agricultural Experimental Station, Rutgers University.

Nixon SW. (1995). Coastal marine eutrophication: a definition, social causes, and future concerns. Ophelia;41: 199-219.

Paerl HW, Dennis RL, Whitall DR. (2002). Atmospheric deposition of nitrogen: Implications for nutrient over-enrichment of coastal waters. Estuaries and Coasts; 25(4):677-693, DOI: 10.1007/BF02804899.

Roman CT, Jaworski N, Short FT, Findlay S, Warren RS. (2000). <u>Estuaries of the Northeastern United States:</u> <u>Habitat and Land Use Signatures</u>. Estuaries and Coasts;23(6):743-764.

Seitzinger SP, Hartnett H, Spyres G, Lauck R. (2005). <u>Chemical Composition and Bioavailability of Dissolved Organic Nitrogen in Atmospheric Wet Deposition from Urban and Rural New Jersey Sites</u>. Trenton, NJ: New Jersey Department of Environmental Protection.

Seitzinger SP, Sanders RW, Styles R. (2002). Bioavailability of DON from Natural and Anthropogenic Sources to Estuarine Plankton. Limnology and Oceanography;47(2):353-366.

Seitzinger SP, Sanders RW. (1997). <u>Contribution of dissolved organic nitrogen from rivers to estuarine eutrophication</u>. <u>Marine Ecology Progress Series</u>;159:1-12.

Seitzinger SP, Pilling IE. (1993). <u>Eutrophication and Nutrient Loading in Barnegat Bay: Sediment-Water Phosphorus Dynamics: Final Report</u>. Prepared by the Academy of Natural Sciences, Division of Environmental Research, Philadelphia, PA. Trenton, NJ. The New Jersey Dept. of Environmental Protection, Division of Science and Research.

Seitzinger SP, Pilling IE, DeKorsey, R. (1993). <u>Eutrophication and Nutrient Loading in Barnegat Bay: N or P Limitation of Primary Production: Final Report.</u> Prepared by the Academy of Natural Sciences, Division of Environmental Research, Philadelphia, PA. Trenton, NJ: New Jersey Dept. of Environmental Protection, Division of Science and Research.

Seitzinger SP, Pilling IE. (1992). <u>Eutrophication and Nutrient Loading in Barnegat Bay: Importance of Sediment-Water Nutrient Interactions</u>, <u>Final Report</u>. Prepared by the Academy of Natural Sciences, Division of Environmental Research, Philadelphia, PA. Trenton, NJ: New Jersey Department of Environmental Protection, Division of Science and Research.

Seitzinger SP, Pilling IE. (1990). <u>Eutrophication and Nutrient Loading in Barnegat Bay: Initial Studies of the Importance of Sediment-Water Nutrient Interactions: Final Report.</u> Prepared by the Academy of Natural Sciences, Division of Environmental Research, Philadelphia, PA. Trenton, NJ: New Jersey Dept. of Environmental Protection, Division of Science and Research.

Seitzinger SP, Pilling IE. (1989). <u>Eutrophication and Nutrient Loading in Barnegat Bay: Importance of Sediment-Water Nutrient Interactions: Year II.</u> Prepared by the Academy of Natural Sciences, Division of Environmental Research, Philadelphia, PA. Trenton, NJ: The New Jersey Dept. of Environmental Protection, Division of Science and Research.

Valiela I. (2005). <u>A User-Friendly Aid to Explore Management Options to Lower Nitrogen Loads to Estuaries:</u> <u>Final Report</u>. Durham, New Hampshire: NOAA/UNH Cooperative Institute for Coastal and Estuarine Environmental Technology (CICEET).

Vane CH, Harrison I, Kim AW, Moss-Hayes V, Vickers BP. (2008). Status of organic pollutants in surface sediments of Barnegat Bay-Little Egg Harbor Estuary, New Jersey, USA. Marine Pollution Bulletin;56 (10): p1802-1808.

Velinsky D, Sommerfield C, Enache M, Charles D.(2011). <u>Nutrient and Ecological Histories in Barnegat Bay.</u> <u>New Jersey</u>. Prepared by the Patrick Center for Environmental Research, The Academy of Natural Sciences, Philadelphia, PA. Trenton, NJ: The New Jersey Dept. of Environmental Protection, Office of Science.

Wieben CM, Baker RJ. (2009). <u>Contributions of Nitrogen to the Barnegat Bay-Little Egg Harbor Estuary: Updated Loading Estimates.</u> Prepared by Christine M. Wieben and Ronald J. Baker of the U.S. Geological Survey, in cooperation with the Barnegat Bay National Estuary Program. West Trenton, NJ: New Jersey Water Science Center, U.S. Geological Survey.

Fish, Shellfish, and Benthos

Able KW, Fahay MP. (2011). Ecology of Estuarine Fishes: Temperate Waters of the Western North Altantic. Baltimore, MD: The Johns Hopkins University Press.

Able KW, Jones KMM, Fox DA. (2009). Large nektonic fishes in marsh creek habitats in the Delaware Bay estuary. Northeastern Naturalist; 16(1):27-44.

Able KW, Grothues TM. (2007). <u>Diversity of estuarine movements of striped bass (Morone saxatilis): a synoptic examination of an estuarine system in southern New Jersey</u>. <u>Fishery Bulletin</u>;105(3):426-435.

Able KW, Fahay MP, Witting DA, McBride RS, Hagan SM. (2006). Fish settlement in the ocean vs. estuary: comparison of pelagic larval and settled juvenile composition and abundance from southern New Jersey, USA. <u>Estuarine</u>, <u>Coastal and Shelf Science</u>;66(1-2): 280-290.

Able KW, Fahay MP. (1996). Natural history patterns for estuarine fishes during the first year: a progress report. Proceedings of the Barnegat Bay Ecosystem Workshop, Rutgers Cooperative Extension of Ocean County, Nov. 14, 1996, Toms River, NJ.

Able KW, Witting DA, McBride RS, Rountree RA, Smith KJ. (1996). Fishes of polyhaline estuarine shores in Great Bay - Little Egg Harbor, New Jersey: A case study of seasonal and habitat influences. In: Nordstrom KF, Roman CT (eds.). Estuarine Shores: Evolution, Environments and Human Alterations. Chichester, England: John Wiley & Sons. p. 335-353

Able, Kenneth W., Kim A. Wilson, Diana E. Barshaw. (1990). <u>Assessing the effects of development pressure on Barnegat Bay: impacts of marinas on juvenile fishes and crabs, final report. Prepared for the Division of Science, Research and Technology, New Jersey Department of Environmental Protection by the Center for Coastal and Environmental Studies, Rutgers--the State University of New Jersey.</u>

Allen DM, Allen WB. (1981). <u>Seasonal dynamics of a leech-mysid shrimp interaction in a temperate salt marsh</u>. The Biological Bulletin;160(1):1-10.

Bologna PAX, Fetzer ML, McDonnell S, Moody EM. (2005). Assessing the potential benthic-pelagic coupling in episodic blue mussel (Mytilus edulis) settlement events within eelgrass (Zostera marina) communities. Journal of Experimental Marine Biology and Ecology;316(2): 117-131

Bologna PAX, Wilbur AE, Able KW. (2001). Reproduction, population structure, and recruitment limitations in a bay scallop (Argopecten irradians Lamarck) population from New Jersey, USA. <u>Journal of Shellfish</u> Research; 20(1): 89-96.

Burger J, Dixon C, Shukla T, Tsipoura N, Gochfeld M. (2002). Metal levels in horseshoe crabs (Limulus polyphemus) from Maine to Florida. Environmental Research;90(3):227-36.

Busch DA, Loveland RE. (1975). Tube-worm-sediment relationships in populations of Pectinaria gouldii (Polychaeta: Pectinariidae) from Barnegat Bay, New Jersey, USA. Marine Biology;33(3):255-264.

Campanella JJ, Bologna PAX, Kim LEJ, Smalley JV. (2007). Molecular genetic evidence suggests Long Island as the geographic origin for the present population of bay scallops in Barnegat Bay, New Jersey. Journal of Shellfish Research;26(2):303-306

Celestino M. (2007). <u>Determination of Abundance and Distribution of Bay Scallops (Argopecten irradians) in Little Egg Harbor Bay [2006 survey]</u>. Trenton, NJ: New Jersey Department of Environmental Protection, Division of Fish and Wildlife, Bureau of Shellfisheries, Port Republic, New Jersey 08241.

Celestino M. (2006). <u>Determination of abundance and distribution of bay scallops (Argopecten irradians) in Little Egg Harbor Bay [2005 survey]</u>. Trenton, NJ: New Jersey Department of Environmental Protection, Division of Fish and Wildlife, Bureau of Shellfisheries, Port Republic, New Jersey 08241. 28 pp.

Celestino MP. (2003). <u>Shellfish stock assessment of Little Egg Harbor Bay</u>. Trenton, NJ: Bureau of Shellfisheries and Division of Science, Research and Technology, New Jersey Department of Environmental Protection.

Celestino MP. (2002). <u>Shellfish stock assessment of Little Egg Harbor Bay.</u>
Trenton, NJ: Bureau of Shellfisheries and Division of Science, Research and Technology, New Jersey Department of Environmental Protection.

Chant RJ, Curran MC, Able KW, Glenn SM. (2000). Delivery of winter flounder (Pseudopleuronectes americanus) larvae to settlement habitats in coves near tidal inlets. <u>Estuarine, Coastal and Shelf Science</u>;51:529-541.

Chant R, Curran MC, Able KW, Glenn S. (1996). Circulation patterns in Little Egg Harbor and its role in larval winter flounder distribution: preliminary results. Proceedings of the Barnegat Bay Ecosystem Workshop, Rutgers Cooperative Extension of Ocean County, Nov. 14, 1996, Toms River, NJ.

Chintala MM, Grassle JP. (2001). Comparison of recruitment frequency and growth of surfclams, Spisula solidissima (Dillwyn, 1817), in different inner-shelf habitats of New Jersey. Journal of Shellfish Research; 20(3):1177-1186.

Condon RH, Steinberg DK, del Giorgio PA, Bouvier TC, Bronk DA, Graham WM, Ducklow HW. (2011 In-Press). <u>Jellyfish blooms result in a major microbial respiratory sink of carbon in marine systems.</u>" Proceedings of the National Academy of Sciences. doi: 10.1073/pnas.1015782108

Correia AT, Able KW, Antunes C, Coimbra J. (2004). Early life history of the American conger eel (Conger oceanicus) as revealed by otolith microstructure and microchemistry of metamophosing leptocephali. <u>Marine Biology</u>;145: 477-488.

Cunliffe JE, Kennish MJ. (1974). Shell growth patterns in the hard-shelled clam. Underwater Naturalist;8:20-24.

Curran MC, Able KW. (2002). Annual stability in the use of coves near inlets as settlement areas for winter flounder (Pseudopleuronectes americanus). <u>Estuaries and Coasts</u>; 25(2): 227-234.

Danila DJ, MJ Kennish. 1981. A tagging study of the winter flounder (Pseudopleuronectes americanus) in Barnegat Bay, New Jersey. <u>Proceedings of Oceans</u> 81, pp. 759-764.

Dietl GP, Alexander RR. (1997). Predator-prey interactions between the naticids Euspira heros Say and Neverita duplicata Say and the Atlantic surfclam Spisula solidissima Dillwyn from Long Island to Delaware. Journal of Shellfish Research;16(2):413-422.

Festa PJ, Hamer PH. (1979). <u>Analysis of the fish forage base in the Little Egg Harbor Estuary</u>. Absecon NJ: New Jersey Dept. of Environmental Protection, Division of Fish, Game and Shellfisheries, Bureau of Fisheries, Nacote Creek Research Station.

Flimlin G, Muscio C. (2006). Barnegat Bay Shellfish Restoration Program: Year 1, learning from others. Abstract of paper presented at the 26 Annual Milford Aquaculture Seminar, Milford, Connecticut (USA), 27 Feb -1 Mar 2006. Journal of Shellfish Research;25(2):661.

Fonseca MS, Uhrin AV. (2009). <u>The Status of Eelgrass, Zostera marina, as Bay Scallop Habitat: Consequences for the Fishery in the Western Atlantic</u>. Marine Fisheries Review;71(3):20-33

Grothues TM, Able KW, Carter J, Arienti TW. (2009). Migration patterns of striped bass through nonnatal estuaries of the U.S. Atlantic coast. Pp. 135-160 _In: Haro, A. J., K. L. Smith, R. A. Rulifson, C. M. Moffitt, R. J. Klauda, M. J. Dadswell, R. A. Cunjak, J. E. Cooper, K. L. Beal, and T. S. Avery (eds.) 2009. Challenges for Diadromous Fishes in a Dynamic Global Environment. American Fisheries Society Symposium 69, Bethesda, Maryland.

Hare JA, Able KW. (2007). Mechanistic links between climate and fisheries along the east coast of the United States: explaining population outbursts of Atlantic croaker (Micropogonias undulatus). Fisheries Oceanography;16(1):31-45.

Hauge P. (1993). <u>Polychlorinated Biphenyls (PCBs)</u>, <u>Chlordane</u>, <u>& DDTs in Selected Fish & Shellfish-NJ Waters</u>, 1988-1991: NJ's Toxics in Biota Monitoring Program. Trenton, NJ: Division of Science and Research, New Jersey Department of Environmental Protection and Energy.

Hauge P, Bukowski J, Morton P, Boriek M, McClain J, Casey G. (1990). <u>Polychlorinated Biphenyls(PCBs)</u>, <u>Chlordane, and DDTs in Selected Fish and Shellfish from New Jersey Waters</u>, 1986-1987: Results from New Jersey's Toxics in Biota Monitoring Program. Trenton, NJ: Division of Science and Research, Division of Water, Division of Fish, Game and Wildlife, New Jersey Department of Environmental Protection.

Hillman RE, Werme C, Kennish MJ. (1991). Chemical stimulation of larval shipworm settlement: importance of malic acid woodborer metabolites. <u>Bulletin of the New Jersey Academy of Science</u>;36:17-22.

Hillman RE, Maciolek NJ, Lahey JI, Belmore I. (1982). Effects of a haplosporidian parasite, Haplosporidium sp., on species of the molluscan woodborer Teredo in Barnegat Bay, New Jersey. Journal of Invertebrate Pathology;40(3):307-319. doi:10.1016/0022-2011(82)90169-0

Hillman RE. (1979). Encystment of the ciliate Boveria teredinidi in the tissues of the molluscan woodborer Bankia gouldi in Barnegat Bay, New Jersey. Journal of Invertebrate Pathology; 34(1):78-83.

Hillman RE. (1979). Occurrence of Minchinia sp. in Species of the Molluscan Borer, Teredo. Marine Fisheries Review;41(1-2):21-24.

Ichthyological Associates, Inc. (1980). <u>Tagging study of winter flounder taken in Barnegat Bay. Progress report for the period August 1979 through June 1980</u>. Prepared by Ichthyological Associates, Inc., Ithaca NY. Morristown, NJ: Jersey Central Power and Light Company.

Ichthyological Associates, Inc. (1979). <u>Tagging study of winter flounder taken in Barnegat Bay Progress</u> report for the period <u>December 1978 through July 1979</u>. Prepared by Ichthyological Associates, Inc., Ithaca NY. Morristown, NJ: Jersey Central Power and Light Company.

Ichthyological Associates, Inc. (1979). <u>Ecological studies for the Oyster Creek Generating Station: finfish, shellfish, and plankton</u>. Prepared by Ichthyological Associates, Inc., Ithaca NY. Morristown, NJ: Jersey Central Power and Light Company.

Ichthyological Associates, Inc. (1979). Report of data collected for ecological studies for the Oyster Creek Generating Station. September 1978-March 1979. Two volumes. Part Two: Appendix Tables. Prepared by Ichthyological Associates, Inc., Ithaca NY. Morristown, NJ: Jersey Central Power and Light Company.

Ichthyological Associates, Inc. (1978). Report of data collected for ecological studies for the Oyster Creek Generating Station. September 1977 - March 1978. Two Volumes. Part One: Finfish, Shellfish, and Plankton. Part Two: Appendix Tables. Prepared for Jersey Central Power and Light Company. Forked River, NJ: Ichthyological Associates, Inc.

Ichthyological Associates, Inc. (1977). <u>Ecological studies for the Oyster Creek Generating Station: progress Report for the Period September 1975 - August 1976. Volume 1: Fin- and Shellfish.</u> Prepared by Ichthyological Associates, Inc., Ithaca NY. Morristown, NJ: Jersey Central Power and Light Company.

Ichthyological Associates, Inc. (1977). <u>Ecological studies for the Oyster Creek Generating Station: progress Report for the Period September 1975 - August 1976. Volume 2: Plankton</u>. Prepared by Ichthyological Associates, Inc., Ithaca NY. Morristown, NJ: Jersey Central Power and Light Company.

Jivoff PR. (2010). <u>Assessing Population Structure</u>, <u>Reproductive Potential and Fishing Effort for Blue Crabs in Barnegat Bay</u>. <u>Final Report</u>. Submitted to the Barnegat Bay Partnership. Lawrenceville, NJ: Department of Biology, Rider University.

Jivoff PR. (2008). The Impact of Artificial Shorelines on Species Diversity, Secondary Production and Habitat Quality in Barnegat Bay: final report to the Barnegat Bay National Estuary Program. Trenton, NJ: New Jersey Department of Environmental Protection; Lawrenceville, NJ: Rider University.

Jivoff PR. (2005). <u>The Effect of Artificial Shoreline on Habitat Quality and Mortality of Blue Crabs, Callinectes sapidus</u>. Project Report. Prepared for the Barnegat Bay Partnership. Lawrenceville, NJ: Department of Biology, Rider University.

Jivoff PR, Able KW. (2001). Characterization of the fish and selected decapods in Little Egg Harbor. <u>Journal of Coastal Research</u>;32(Special Issue):178-196.

Joseph JW. (1987). <u>Inventory of New Jersey's estuarine shellfish resources</u>. Rockville, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service.

Joseph JW. (1986). <u>Inventory of New Jersey's estuarine shellfish resources.</u> Rockville, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service.

Joseph JW, McCloy TW. (1984). <u>Inventory of New Jersey's estuarine shellfish resources.</u> Rockville, MD: U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service., 1984.

Kennish MJ and Haag SM. (2003). Epibenthic community monitoring in New Jersey coastal bays: a priority initiative of estuarine research programs. Bulletin of the New Jersey Academy of Science;48:11-15.

Kennish MJ. (2001). Benthic communities of the Barnegat Bay-Little Egg Harbor Estuary. Journal of Coastal Research;32(Special Issue):167-177.

Kennish MJ, Vouglitois JJ, Danila DJ, Lutz RA. (1984). Shellfish. In: Kennish MJ, Lutz RA. (eds). Ecology of Barnegat Bay, New Jersey. New York: Springer-Verlag. pp 171-200.

Kennish MJ, Hillman RJ, Danila DJ. (1982). Assessment of the blue crab, Callinectes sapidus Rathbun, in Barnegat Bay, New Jersey. <u>Bulletin of the New Jersey Academy of Science</u>; 27:59-71.

Kennish MJ. (1980). Shell microgrowth analysis: Mercenaria mercenaria as a type example for research in population dynamics. In: Rhoads DC and Lutz RA. (eds). Skeletal Growth of Aquatic Organisms. New York: Plenum Press. Pages 255-294.

Kennish MJ, Lutz RA, Rhoads DC. (1980). Preparation of acetate peels and fractured sections for observation of growth patterns within the bivalve shell. In: Rhoads DC and Lutz RA (eds). Skeletal Growth of Aquatic Organisms. New York: Plenum Press. Pages 597-601.

Kennish MJ. (1978). Effects of thermal discharges on mortality of Mercenaria mercenaria in Barnegat Bay, New Jersey. Environmental Geology;2(4):223-254, DOI: 10.1007/BF02380488

Kennish MJ. (1977). Growth increment analysis of Mercenaria mercenaria from artificially-heated coastal marine waters: A practical monitoring method. In: <u>Proceedings of the XII International Chronobiology</u> <u>Conference</u>, Washington DC. Pp 663-669.

Kennish MJ, Olsson RK. (1975). Effects of thermal discharges on the microstructural growth of Mercenaria mercenaria. Environmental Geology;1:41-64.

Kraeuter JN, Kennish MJ, Dobarro J, Fegley SR, et al. (2003). Rehabilitation of the northern quahog (hard clam) (Mercenaria mercenaria) habitats by shelling - 11 years in Barnegat Bay, New Jersey. Journal of Shellfish Research; 22:61-67.

Leonard DL, Broutman MA, Harkness KE. (1989). <u>The Quality of Shellfish Growing Waters on the East Coast of the United States</u>. Washington, DC: National Oceanic and Atmospheric Administration, U.S. Department of Commerce.

Loveland RE, Shafto SS. (1984). Fouling organisms. In: Kennish MJ, Lutz RA (eds). Ecology of Barnegat Bay, New Jersey. New York: Springer-Verlag. pp 226-240.

Ma H, Grassle JP, Chant RJ. (2006). Vertical distribution of bivalve larvae along a cross-shelf transect during summer upwelling and downwelling. Marine Biology;149(5):1123-1138. DOI: 10.1007/s00227-006-0287-3

Maciolek NJ, Belmore CI, Harrison E, Morris H. (1980). <u>Distribution and Abundance of Corophim Tuberculatum and Hydroides Dianthus in Relation to the Thermal Discharge from the Oyster Creek Generating Station</u>. Prepared by William F. Clapp Laboratories, Duxbury MA. Morristown, NJ: Jersey Central Power and Light Company.

Makai JF, McClain JF, Scarlett PG, Himchak PJ. (1979). <u>Studies of the Back Bay Systems in Atlantic County.</u> <u>Volume 1, Physical-Chemical Study, Fish Study, Ichthyoplankton Study, Benthic Study, Use Study: final report for project 3-223-R-3. Absecon, NJ</u>: New Jersey Dept. of Environmental Protection, Division of Fish, Game and Shellfish, Bureau of Fisheries, Nacote Creek Research Station.

Makai JF, McClain JF, Himchak PJ. (1976). <u>Studies of Manahawkin Bay-Little Egg Harbor System. Volume 1</u>, <u>Finfish study, physical-chemical study, use study: final report for Project 3-223-R-1 under the Commercial Fisheries Research and Development Act. Absecon, NJ</u>: New Jersey Dept. of Environmental Protection, Division of Fish, Game and Shellfish, Bureau of Fisheries, Nacote Creek Research Station.

Makai JF, McClain JF, Halgren BA. (1974). <u>Eight Month Study of the Little Egg Harbor-Manahawkin Bay System</u>. New Jersey Department of Environmental Protection, Division of Fish, Game and Wildlife, Bureau of Fisheries, Nacote Creek Research Station.

McClain JF, Makai JF, Halgren BA. (1973?). <u>Studies of the Upper Barnegat System. Absecon, NJ:</u> New Jersey Dept. of Environmental Protection, Division of Fish, Game and Shellfish, Bureau of Fisheries, Nacote Creek Research Station.

Perron FE, Turner RD. (1977). Development, metamorphosis, and natural history of the nudibranch Doridella obscura Verrill (Corambidae: Opisthobranchia). <u>Journal of Experimental Marine Biology and Ecology</u>;27(2):171-185.

Peterson CH. (1979). The importance of predation and and competition in organizing the intertidal communities of Barnegat Inlet, New Jersey. Oecologia;39(1):1-24.

Phelan BA, Goldberg R, Bejda AJ, Pereira J, Hagan S, Clark P, Studholme AL, Calabrese A, Able KW. (2000). Estuarine and habitat-related differences in growth rates of young-of-the-year winter flounder (Pseudopleuronectes americanus) and tautog (Tautoga onitis) in three northeastern US estuaries. <u>Journal of Experimental Marine Biology and Ecology</u>;247(1):1-28.

Phillips FX. (1972). The Ecology of the Benthic Macroinvertebrates of Barnegat Bay, N.J. Ph.D. dissertation. New Brunswick, NJ: Rutgers University.

Richards BR, Hillman RE, Maciolek NJ. (1984). Shipworms. In: Kennish MJ, Lutz RA. (eds). Ecology of Barnegat Bay, New Jersey. New York: Springer-Verlag. pp 201-225.

Roman CT, Jaworski N, Short FT, Findlay S, Warren RS. (2000). <u>Estuaries of the Northeastern United States:</u> <u>Habitat and Land Use Signatures</u>. Estuaries and Coasts;23(6):743-764.

Ropes JW. (1982). The Atlantic Coast Surf Clam Fishery, 1965-1974. Marine Fisheries Review;44(8):1-14.

Rountree RA, Able KW. (1997). Nocturnal fish use of New Jersey marsh creek and adjacent bay shoal habitats. Estuarine Coastal and Shelf Science; 44: 703-711.

Rountree RA, Able KW. (1996). <u>Seasonal abundance</u>, growth and foraging habits of juvenile smooth dogfish, *Mustelus canis*, in a New Jersey estuary. <u>Fishery Bulletin</u>;94(3): 522-534.

Rountree RA, Able KW. (1993). Diel variation in decapod crustacean and fish assemblages in New Jersey polyhaline marsh creeks. Estuarine, Coastal and Shelf Science;37:181-201.

Rountree RA, Able KW. (1992). Foraging habits, growth, and temporal patterns of salt-marsh creek habitat use by young-of-year summer flounder in New Jersey. Transactions of the American Fisheries Society;121: 765-776.

Rountree RA, Able KW. (1992). Fauna of polyhaline subtidal marsh creeks in southern New Jersey: Composition, abundance and biomass. Estuaries;15(2):171-185.

Sogard SM, Able KW, Hagan SM. (2001). Long-term assessment of settlement and growth of juvenile winter flounder (Pseudopleuronectes americanus) in New Jersey estuaries. Journal of Sea Research.;45(3-4): 189-204.

Sogard SM, Able KW. (1992). Growth variation of newly settled winter flounder (Pseudopleuronectes americanus) in New Jersey estuaries as determined by otolith microstructure. Netherlands Journal of Sea Research;29(1-3):163-172.

Stehlik LL, Scarlett PG, Dobarro J. 1998. Status of the blue crab fisheries of New Jersey. <u>Journal of Shellfish</u> <u>Research</u>. 17(2): 475 – 485.

Szedlmayer ST, Able KW. (1996). Patterns of seasonal availability and habitat use by fishes and decapod crustaceans in a southern New Jersey estuary. <u>Estuaries</u>;19(3): 697-709.

Tatham TR, Thomas DL, Danila DJ. (1984). Fishes of Barnegat Bay, New Jersey. In: Kennish MJ, Lutz RA (eds). Ecology of Barnegat Bay, New Jersey. New York: Springer-Verlag. 241-280.

Taylor JE. (1970). The ecology and seasonal periodicity of benthic marine algae from Barnegat Bay, New Jersey . Ph.D. dissertation. New Brunswick, NJ: Rutgers University.

Vouglitois JJ, Able KW, et al. (1987). Life history and population dynamics of the bay anchovy in New Jersey. Transactions of the American Fisheries Society;116(2):141-153.

Warlen SM, Able KW, Laban EH. (2002). <u>Recruitment of larval Atlantic menhaden (Brevoortia tyrannus) to North Carolina and New Jersey estuaries: evidence for larval transport northward along the east coast of the United States. Fishery Bulletin; 100(3): 609-623.</u>

Wilson KA, Able KW. (1996). Shallow water habitat use by juvenile fishes and crabs in Barnegat Bay marinas and adjacent areas. Proceedings of the Barnegat Bay Ecosystem Workshop, Rutgers Cooperative Extension of Ocean County, Nov. 14, 1996, Toms River, NJ.

Wilson KA, Able KW, Heck KL Jr. (1990). <u>Predation rates on juvenile blue crabs in estuarine nursery habitats:</u> <u>Evidence for the importance of macroalgae (Ulva lactuca)</u>. <u>Marine Ecology Progress Series</u>.;58(3):243-251.

Witting DA, Able KW, Fahay MP. (1999). <u>Larval fishes of a Middle Atlantic Bight estuary: assemblage structure</u> and temporal stability. Canadian Journal of Fisheries and Aquatic Sciences.; 56: 222-230.

Hydrology/ Hydrographic Studies

Chant RJ. (2001). Tidal and subtidal motion in a shallow bar-built multiple inlet/Bay system. Journal of Coastal Research;32(Special Issue):102-114.

Charlesworth LJ. (1968). <u>Beach Haven-Little Egg inlets. Ocean County, New Jersey: study of bay, inlet, and nearshore marine sedimentation: Part 6</u>. Trenton, NJ: Bureau of Geology and Topography and Bureau of Navigation, State of New Jersey Dept. of Conservation and Economic Development.

Gordon AD. (2004). Hydrology of the unconfined Kirkwood-Cohansey Aquifer System, Forked River and Cedar, Oyster, Mill, Westecunk, and Tuckerton Creek Basins and adjacent basins in the southern Ocean County area, New Jersey, 1998-99. Prepared in cooperation with the New Jersey Department of Environmental Protection. Water-resources Investigations Report Number 03-4337.Reston, VA: U.S. Dept. of the Interior, U.S. Geological Survey.

General description of the study area, land use, and hydrogeology
Ground water
Surface water
Water Quality
Resource Evaluation

Guo QZ, Lordi GP. (2000). Method for quantifying freshwater input and flushing time in estuaries. Journal of Environmental Engineering;126(7):675-683.

Guo Q, Psuty NP, Lordi GP, Glenn S, Mund MR, Gastrich MD. (2004). Research Project Summary: Hydrographic study of Barnegat Bay. Trenton NJ: State of New Jersey, Dept. of Environmental Protection, Division of Science, Research & Technology.

Guo Q, et al. (1995). Hydrographic Study of Barnegat Bay: Year 1 Final Report. Prepared by the Institute of Marine and Coastal Studies, Rutgers The State University of New Jersey. 2 volumes. Trenton, NJ: New Jersey Department of Environmental Protection, Division of Science and Research.

Volume 1 Volume 2 Lanci L, Kent DV, Miller KG. (2002). Detection of Late Cretaceous and Cenozoic sequence boundaries on the Atlantic coastal plain using core log integration of magnetic susceptibility and natural gamma ray measurements at Ancora, New Jersey. <u>Journal of Geophysical Research – Solid Earth</u>;107:2216 (12 pages). doi:10.1029/2000JB000026.

Nicholson RS, Watt, MK. (1997). <u>Simulation of Ground-water Flow in the Unconfined Aquifer System of the Toms River, Metedeconk River, and Kettle Creek basins, New Jersey.</u> Water-Resources Investigations Report Number 97-4066.Prepared in cooperation with the New Jersey Department of Environmental Protection. West Trenton, NJ: U.S. Geological Survey.

Nicholson RS, Watt MK. (1996). Ground-water flow in the unconfined aquifer of the northern Barnegat Bay Watershed, New Jersey, in Flimlin, G.E., Jr. and Kennish, M.J., eds., Proceedings of the Barnegat Bay Ecosystem Workshop, November 14, 1996, Toms River, New Jersey: , p. 31-47.

Olsen CR, Biscaye PE, Simpson HJ, Trier RM, Kostyk N, Bopp RF, Li Y-H, Feely HW. (1980). Reactor-released radionuclides and fine-grained sediment transport and accumulation patterns in Barnegat Bay, New Jersey and adjacent shelf waters. Estuarine and Coastal Marine Science;10(2):119-142.

Psuty NP. (2001). Morpho-sedimentary unit signatures associated with micro-estuaries in Barnegat Bay national estuary, New Jersey, the USA. Chinese Science Bulletin;46(S1):62-65.

Seabergh WC, Cialone MA, McCormick JW. (2003). Inlet modifications and the dynamics of Barnegat Inlet, New Jersey. Journal of Coastal Research;19(3):633-648.

Uptegrove J, Waldner JS, Hall DW, Monteverde DH. (2010). <u>Sand resources offshore Barnegat Inlet and northern Long Beach Island, New Jersey</u>. Presented at the Joint Meeting of the 45th Annual Meeting of the Northeastern Section of the Geological Society of America and the 59th Annual Meeting of the Southeastern Section of the Geological Society of America. March 14-16, 2010, Baltimore, MD. In: <u>Abstracts of the Proceedings of the Geological Society of America</u>;42(1):90.

Uptegrove J, Grosz AE, Maharaj SV, Muller FL, Muessig K, et al. (1991). <u>Preliminary Textural and Mineralogic Analyses of Vibracore Samples Collected between Absecon and Barnegat inlets, New Jersey</u>. Prepared in cooperation with the U.S. Geological Survey, Rutgers University, and Hampton University. New Jersey Geological Survey Open-File Report OFR 91-3. Trenton, NJ: New Jersey Dept. of Environmental Protection, Division of Water Resources, Geological Survey, 1991.

Watt, MK, Johnson ML, Lacombe PJ. (1993). <u>Hydrology of the Unconfined Aquifer Aystem, Toms River, Metedeconk River, and Kettle Creek basins, New Jersey, 1987-90</u>. Prepared in cooperation with the New Jersey Department of Environmental Protection and Energy. Water Resources Investigation report 93-4110. West Trenton, NJ: U.S. Department of the Interior, U.S. Geological Survey.

Zarine A, Singh A, Khandaker NI, Schleifer S, Kaur M. (2009). <u>Sedimentology of Island Beach State Park, New Jersey</u>. Presented at the 2009 Annual Meeting of the Geological Society of America, October 18-21, 2009, Portland Oregon. In: Abstracts of the Proceedings of the Geological Society of America;41(7):320.

Land Use

Arnold CL, Gibbons CJ. (1996). Impervious surface coverage: the emergence of a key environmental indicator. <u>Journal of American Planning Association</u>;62(2): 243-258.

Baker, Ronald J., Kathryn Hunchak-Kariouk. (2006). <u>Relations of water quality to streamflow, season, and land use for four tributaries to the Toms River, Ocean County, New Jersey, 1994-99.</u> Publisher: Reston, Va.: U.S. Geological Survey. Scientific Investigations Report 2005-5274.

Burger J. (2003). Assessing Perceptions about Ecosystem Health and Restoration Options in Three East Coast Estuaries. Environmental Monitoring and Assessment;83(2): 145-162.DOI: 10.1023/A:1022505300319.

Carter GP. (2001). <u>Eight characterizing indicators in the Barnegat Bay Watershed, Ocean County, New Jersey</u>. Trenton, NJ: Division of Science, Research and Technology, New Jersey Department of Environmental Protection.

Center for Remote Sensing and Spatial Analysis. (2001). <u>Barnegat Bay Data Synthesis Project: Habitat Loss and Alteration</u>. New Brunswick, NJ: Center for Remote Sensing and Spatial Analysis, Rutgers University.

Conway TM. (2009). The impact of class resolution in land use change models. <u>Computers, Environment and Urban Systems</u>;33(4):269-277.

Conway TM. (2007). Impervious surface as an indicator of pH and specific conductance in the urbanizing coastal zone of New Jersey, USA. Journal of Environmental Management;85(2):308-16.

Conway TM. (2006). Can Broad Land Use Policies Maintain Connections Between Protected Green Spaces in an Urbanizing Landscape? Landscape Journal;25(2):218-227. doi: 10.3368/lj.25.2.218.

Conway TM. (2005). Current and future patterns of land-use change in the coastal zone of New Jersey. Environment and Planning B: Planning and Design;32(6):877-893.

Conway TM, Lathrop RG. (2005). Modeling the Ecological Consequences of Land-Use Policies in an Urbanizing Region. Environmental Management;35(3): 278-291.

Conway TM, Lathrop RG. (2005). Alternative land use regulations and environmental impacts: assessing future land use in an urbanizing watershed. <u>Landscape and Urban Planning</u>; 71(1):1-15.

Dow CL, Zampella RA. (2000). Specific conductance and pH as indicators of watershed disturbance in streams of the New Jersey Pinelands, U.S.A. Environmental Management; 26:437-445.

Grafals-Soto R, Nordstrom K. (2009). Sand Fences in the coastal zone: Intended and unintended effect. Environmental Management;44(3):420-429, DOI: 10.1007/s00267-009-9331-7.

Hapke CJ, Himmelstoss EA, Kratzmann M, List JH, Thieler ER. (2010). <u>National assessment of shoreline change: Historical shoreline change along the New England and Mid-Atlantic coasts</u>. Open-File Report 2010-1118. Reston, VA: U.S. Geological Survey.

Hasse JE, Lathrop RG. (2008). <u>Tracking New Jersey's Dynamic Landscape: Urban Growth and Open Space Loss</u> 1986-1995-2002. Glassboro, NJ: Department of Geography, Rowan University; New Brunswick, NJ: Grant F. Walton Center for Remote Sensing & Spatial Analysis (CRSSA), Cook College, Rutgers University.

Hasse JE, Lathrop RG. (2003). Land resource impact indicators of urban sprawl. Applied Geography;23:159-175.

Hunchak-Kariouk K. (1999). <u>Relation of water quality to land use in the drainage basins of four tributaries to the Toms River, New Jersey, 1994-95</u>. Water-Resources Investigations report number WRI-99-4001. Reston, VA: U.S. Geological Survey.

Hunchak-Kariouk K. (1996). Relation of loads of ammonia, nitrate, and bacteria to land use during base flow and stormflow in three tributaries to the Toms River, New Jersey, 1994-95, in Flimlin, G.E., Jr. and Kennish, M.J., eds., Proceedings of the Barnegat Bay Ecosystem Workshop, November 14, 1996, Toms River, New Jersey: , p. 49-61.

Lathrop RG(1), Auermuller L(2), Haag S(2). (2010). The StormWater Management Planning Tool: Coastal Water Quality Enhancement Through the Use of an Internet-based Geospatial Tools for Planning Stormwater Management Systems. A Final Report Submitted to The NOAA/UNH Cooperative Institute for Coastal and Estuarine Environmental Technology (CICEET). (1) New Brunswick, NJ: Walton Center for Remote sensing & Spatial Analysis; (2)Tuckerton, NJ: Jacques Cousteau National Estuarine Research Reserve.

Stormwater Management Planning Tool (SWMPT)

Lathrop RG(1), Haag SM(2). (2007). <u>Assessment of Land Use Change and Riparian Zone Status in the Barnegat Bay and Little Egg Harbor Watershed: 1995-2002-2006</u>. (1) Grant F. Walton Center for Remote Sensing and Spatial Analysis and (2) Institute of Marine and Coastal Science, School of Environmental & Biological Sciences-Rutgers University New Brunswick, NJ. New Brunswick, NJ: Grant F. Walton Center for Remote Sensing and Spatial Analysis and Institute of Marine and Coastal Science, School of Environmental & Biological Sciences, Rutgers University.

Lathrop RG, Conway TM. (2001). <u>A Build-out Analysis of the Barnegat Bay Watershed</u>. New Brunswick, NJ: Grant F. Walton Center for Remote Sensing & Spatial Analysis, Cook College, Rutgers University.

Lathrop RG, Bognar JA. (2001). Habitat loss and alteration in the Barnegat Bay region. <u>Journal of Coastal Research</u>;32(Special Issue):212-228.

Roman CT, Jaworski N, Short FT, Findlay S, Warren RS. (2000). <u>Estuaries of the Northeastern United States:</u> <u>Habitat and Land Use Signatures</u>. Estuaries and Coasts;23(6):743-764.

Weinstein MP. (2008). Ecological restoration and estuarine management: placing people in the coastal landscape. Journal of Applied Ecology; 45(1):296-304.

Zampella RA, Procopio NA. (2009). <u>Landscape Patterns and Water-quality Relationships in New Jersey Pinelands Streams</u>. New Lisbon, NJ: Pinelands Commission.

Zampella RA, Laidig KJ. (1997). Effect of watershed disturbance on Pinelands stream vegetation. Journal of the Torrey Botanical Society;124:52-66

Zampella RA. (1994). Characterization of surface water quality along a watershed disturbance gradient. Water Resources Bulletin; 30:605-611.

Management of Barnegat Bay

Barnegat Bay Partnership. (2011). <u>State of the Bay Report: 2011</u>. Toms River, NJ: Barnegat Bay Partnership, Ocean County College.

Barnegat Bay National Estuary Program. (2005). <u>2005 State of the Bay Technical Report</u>. Toms River, NJ: Barnegat Bay Partnership, Ocean County College.

Barnegat Bay National Estuary Program Science and Technical Advisory Committee. (2001). <u>The Scientific Characterization of the Barnegat Bay-Little Egg Harbor Estuary and Watershed. Barnegat Bay National Estuary Program.</u> Toms River, NJ: Barnegat Bay Partnership, Ocean County College.

Barnegat Bay Study Group. (1990 August). <u>Management Recommendations for the Barnegat Bay: Final report.</u> Prepared for the Barnegat Bay Study Group by Rogers, Golden & Halpern, Inc. Trenton, NJ: New Jersey Department of Environmental Protection.

Flimlin GE, Kennish MJ (editors). (1996). Proceedings of the Barnegat Bay Ecosystem Workshop. Publisher: Toms River, NJ: Rutgers Cooperative Extension of Ocean County.

Fowler T. (1993). A watershed management plan for Barnegat Bay. A report of the New Jersey Department of Environmental Protection and Energy to the New Jersey Legislature, Ocean County Board of Chosen Freeholders, Bay area municipalities and the people of Ocean County. Trenton, NJ: The New Jersey Department of Environmental Protection and Energy.

<u>Volume 1 - Report</u> Volume 2 - Appendices

Hasse J, Lathrop RG. (2008). <u>Tracking New Jersey's Dynamic Landscape: Urban Growth and Open Space Loss</u> 1986-1995-2002. Glassboro, NJ: Department of Geography, Rowan University; NewBrunswick, NJ: Grant F. Walton Center for Remote Sensing & Spatial Analysis (CRSSA), Cook College, Rutgers University.

Hasse J, Lathrop RG. (2003). <u>Land resource impact indicators of urban sprawl</u>. Applied Geography;23:159-175.

Kennish MJ. (ed.). (2002). Estuarine and Coastal Marine Environments. Journal of Coastal Research;37(Special Issue). 202 pp.

Kennish MJ (ed.). (2001). Barnegat Bay-Little Egg Harbor, New Jersey: estuary and watershed assessment. Journal of Coastal Research (Special Issue 32).

Kennish MJ. (2001). Characterization of the Barnegat Bay-Little Egg Harbor Estuary and Watershed. Journal of Coastal Research;32(Special Issue):3-12.

Kennish MJ. (2001). State of the estuary and watershed: an overview. Journal of Coastal Research;32(Special Issue):243-273.

Kennish MJ. (2000). Barnegat Inlet, New Jersey: A case study of stabilization impacts. Bulletin of the New Jersey Academy of Science; 45:13-18.

Kennish MJ. (1999). The Barnegat Bay National Estuary Program: results of the period 1995-1999. Bulletin of the New Jersey Academy of Science;44:1-13.

Kennish MJ. (1997). The Barnegat Bay National Estuary Program: An overview of anthropogenic impacts. In: Fimlin G, Kennish MJ (eds). Proceedings of the Barnegat Bay Ecosystem Workshop. Toms River, NJ: Barnegat Bay National Estuary Program, Rutgers Cooperative Extension of Ocean County. pp 351-360.

McClain JF, Makai JF, Halgren BA. (1973?). <u>Studies of the Upper Barnegat System</u>. Absecon, NJ: New Jersey Dept. of Environmental Protection, Division of Fish, Game and Shellfish, Bureau of Fisheries, Nacote Creek Research Station.

Makai JF, McClain JF, Scarlett PG, Himchak PJ. (1979). Studies of the Back Bay Systems in Atlantic County: final report for project 3-223-R-3. Absecon, NJ: New Jersey Dept. of Environmental Protection, Division of Fish, Game and Shellfish, Bureau of Fisheries, Nacote Creek Research Station.

National Oceanic and Atmospheric Administration, U.S. (1995). Waterfront Public Access Guide for Barnegat Bay Watershed. Prepared in cooperation with the New Jersey Department of Environmental Protection. Washington, DC: National Oceanic & Atmospheric Administration and Trenton, NJ: The New Jersey Department of Environmental Protection.

New Jersey Department of Environmental Protection and Energy. (1993). A Watershed Management Plan for Barnegat Bay: A Report. Trenton, NJ: The New Jersey Department of Environmental Protection and Energy.

<u>Volume 1: Action Plans</u> <u>Volume 2: Appendices</u>

Office of Science. (2010 July). <u>The Science of Barnegat Bay: Seminar</u>. Trenton, NJ: Office of Science, New Jersey Department of Environmental Protection.

Psuty NP, Ofiara DD. (2002). Coastal Hazard Management: Lessons and Future Directions from New Jersey. New Brunswick, NJ Rutgers University Press.

Rogers, Golden & Halpern. (1990). <u>Profile of the Barnegat Bay</u>. Prepared for the Barnegat Bay Study Group in association with Expert Information Systems, Inc. Philadelphia, PA: Rogers, Golden Halpern.

Zampella RA, et al. (2006). <u>The Barnegat Bay Watershed: A Report to the Pinelands Commission on the Status of Selected Aquatic and Wetland Resources.</u> New Lisbon, NJ: Long-Term Environmental-Monitoring Program, Pinelands Commission.

Zampella RA, Procopio NA, Laidig KJ, Bunnell JF. (2004). <u>The Essential Character of the Oyster Creek Watershed</u>. New Lisbon, NJ: The Pinelands Commission.

Oyster Creek

AmerGen Energy Company, LLC. (2004 December). <u>Assessment of the Impacts of the Oyster Creek Generating Station on Kemp's Ridley (Lepidochelys kempii)</u>, <u>Loggerhead (Caretta caretta) and Atlantic GreenN (Chelonia mydas) Sea Turtles</u>. Forked River, NJ: Oyster Creek, AmerGen Energy Company, LLC.

Ecological Analysts, Inc. (1981 February). <u>Ecological Studies at Oyster Creek Nuclear Generating Station:</u>
<u>Progress report for the period September 1979 - August 1980</u>. Prepared for Jersey Central Power and Light Company. Morristown, NJ: Jersey Central Power and Light Company.

Ecological Analysts, Inc. (1980). <u>Ecological studies at Oyster Creek Nuclear Generating Station: progress report for the period of April - August 1979</u>. Prepared for Jersey Central Power and Light Company. Morriston, NJ: Jersey Central Power and Light Company.

Fusillo TV, et al. (1980). <u>Investigation of acidity and other water-quality characteristics of Upper Oyster Creek, Ocean County, New Jersey</u>. Water Resources Investigations Report 80-10. Trenton NJ: U.S. Geological Survey, Water Resources Division.

Hein MK, Koppen JD. (1979). Effects of thermally elevated discharges on the structure and composition of estuarine periphyton diatom assemblages. Estuarine and Coastal Marine Science;9(4):385-401.

Hoagland KE, Crocket L.(1982). <u>Ecological studies of wood-boring bivalves in the vicinity of the Oyster Creek Nuclear Generating Station: progress report, September - November 1981</u>. Prepared by the Wetlands Institute, Lehigh University. Washington, DC: U.S. Nuclear Regulatory Commission. NUREG/CR-2727 Vol.1.

Hoagland KE, Crocket L. (1982). <u>Ecological studies of wood-boring bivalves in the vicinity of the Oyster Creek Nuclear Generating Station: progress report, December 1981 - February 1982</u>. Prepared by the Department of Malacology, Academy of Natural Sciences of Philadelphia. Washington, DC: U.S. Nuclear Regulatory Commission. NUREG/CR-2727 Vol.2.

Hoagland KE. (1982). <u>Ecological studies of wood-boring bivalves in the vicinity of the Oyster Creek Nuclear Generating Station: progress report, March - May 1982</u>. Prepared by the Department of Malacology, Academy of Natural Sciences of Philadelphia. Washington, DC: U.S. Nuclear Regulatory Commission. NUREG/CR-2727 Vol.3.

Hoagland KE, Crocket L. (1981). <u>Ecological studies of wood-boring bivalves in the vicinity of the Oyster Creek Nuclear Generating Station: progress report, June-August 1981</u>. Prepared by the Wetlands Institute, Lehigh University. Washington, DC: U.S. Nuclear Regulatory Commission. NUREG/CR-1939 Vol. 4.

Hoagland KE, Crocket L. (1980). <u>Ecological Studies of Wood-Boring Bivalves in the Vicinity of the Oyster Creek Nuclear Generating Station: progress report, March - May 1980</u>. Prepared by the Wetlands Insitute, Lehigh University. Washington, DC: U.S. Nuclear Regulatory Commission. NUREG/CR-1795 RE

Hoagland KE, Crocket L, Rochester M. (1978). <u>Analysis of populations of boring and fouling organisms in the vicinity of the Oyster Creek Nuclear Generating Station: quarterly report, December 1, 1977 - February 28, 1978</u>. Prepared by the Wetlands Institute, Lehigh University, Stone Harbor, NJ. Washington, DC: U.S. Nuclear Regulatory Commission. NUREG/CR-0223

Ichthyological Associates, Inc. (1979). <u>Ecological studies for the Oyster Creek Generating Station: finfish, shellfish, and plankton. Progress report for the period September 1977 - August 1978</u>. Prepared by Ichthyological Associates, Inc., Ithaca NY. Morristown, NJ: Jersey Central Power and Light Company.

Ichthyological Associates, Inc. (1979). Report of data collected for ecological studies for the Oyster Creek Generating Station. September 1978-March 1979. Two volumes. Part One: Finfish, Shellfish and Plankton; Part Two: Appendix Tables. Prepared by Ichthyological Associates, Inc., Ithaca NY. Morristown, NJ: Jersey Central Power and Light Company.

Ichthyological Associates, Inc. (1979). Report of data collected for ecological studies for the Oyster Creek Generating Station. September 1977 - March 1978. Two Volumes. Part One: Finfish, Shellfish, and Plankton. Part Two: Appendix Tables. Prepared for Jersey Central Power and Light Company. Forked River, NJ: Ichthyological Associates, Inc.

Ichthyological Associates, Inc. (1977). <u>Ecological studies for the Oyster Creek Generating Station: progress Report for the Period September 1975 - August 1976. Volume 2: Plankton</u>. Prepared by Ichthyological Associates, Inc., Ithaca NY. Morristown, NJ: Jersey Central Power and Light Company.

Ichthyological Associates, Inc. (1975). 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 for the period January-December 1974. Prepared by Ichthyological Associates, Ithaca, NY. Newark, NJ: Public Service Electric and Gas Company. 3 volumes.

<u>Volume 1 - Fishes | Volume 1 - Tables | Volume 1-Appendix</u>

<u>Volume 2 - Epifauna, Marine Algae, Benthic Invertebrates, Protoplankton, Zooplankton | Life History Studies | Tables & Figures | Appendix</u>

Volume 3 - A Quantitative Study of Vegetation near the Great Bay Boulevard, Tuckerton, New Jersey

Ichthyological Associates, Inc. (1973). <u>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 for the period January - December 1972</u>. Prepared by Ichthyological Associates, Ithaca, NY. Newark, NJ: Public Service Electric and Gas Company.

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Ichthyological Associates, Inc. (1972). Ecological Considerations for Ocean Sites off New Jersey for Proposed Nuclear Generating Stations. Volume One, Part 1: Ecological Studies in the Vicinity of Ocean Sites 7 and 8; Volume One, Part 2 - Problems and Predicted Consequences of Power Plants on the Marine Ecology at Ocean Sites off New Jersey; Volume Two, Part 3 - Appendices. Prepared by Ichthyological Associates, Ithaca, NY. Newark, NI: Public Service Electric and Gas Company. 2 Volumes.

Jersey Central Power and Light Company. (1985). <u>Winter shutdown fish sampling report</u>. Morristown, NJ: Jersey Central Power & Light Co.

Jersey Central Power and Light Company. (1983). <u>Winter outage fish sampling program: report for the period January - February 1983</u>. Morristown, NJ: Jersey Central Power & Light Co.

Jersey Central Power and Light Company. (1983 January). Winter outage fish sampling program: report for the period October-December 1982. Morristown, NJ: Jersey Central Power & Light Co.

Jersey Central Power and Light Company. (1979). Annual environmental operating report for the Oyster Creek environmental technical specifications: appendix B to license no. DPR-16. Morristown, NJ: Jersey Central Power and Light Company.

Kennish MJ. (1976). Monitoring thermal discharges: A natural method. Underwater Naturalist;9:8-11.

Maciolek NJ, Belmore CI, Harrison E, Morris H. (1980). <u>Distribution and Abundance of Corophium</u> <u>Tuberculatum and Hydroides Dianthus in Relation to the Thermal Discharge from the Oyster Creek Generating Station</u>. Prepared by William F. Clapp Laboratories, Duxbury MA. Morristown, NJ: Jersey Central Power and Light Company.

McCurdy DE, Russo JJ. (1973). <u>Environmental Radiation Surveillance of the Oyster Creek Nuclear Generating Station</u>. Conducted by the state of New Jersey for the U.S. Environmental Protection Agency. Trenton, NJ: New Jersey State Department of Environmental Protection, Bureau of Radiation Protection.

Milstein CB, Sandine PH, Thomas DL. (1974). 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 for the period January-December 1973. Prepared by Ichthyological Associates, Ithaca NY. Newark, NJ: Public Service Electric and Gas Company.

Olsen CR, Biscaye PE, Simpson HJ, Trier RM, Kostyk N, Bopp RF, Li Y-H, Feely HW. (1980). Reactor-released radionuclides and fine-grained sediment transport and accumulation patterns in Barnegat Bay, New Jersey and adjacent shelf waters. Estuarine and Coastal Marine Science;10(2):119-142.

Roche MB, Ballengee DW. (1980). Fish Kill Associated with the January 5, 1980 Outage at Oyster Creek Nuclear Generating Station: Technical Report. Morristown, NJ: Jersey Central Power & Light Co

Summers JK, et al. (1989). <u>Technical Review and Evaluation of Thermal Effects Studies and Cooling Water Intake Structure Demonstration of Impact for the Oyster Creek Nuclear Generating Station: Revised Final Report.</u> Prepared by Versar, Inc., ESM Operations, Columbia MD. Trenton, NJ: The New Jersey Department of Environmental Protection, Division of Water Resources.

William F. Clapp Laboratories, Inc. (1979). <u>Annual Report on Woodborer Study associated with the Oyster Creek Generating Station to Jersey Central Power & Light Company</u>. Prepared by William F. Clapp Laboratories, Inc., Duxbury, MA. Morristown, NJ: Jersey Central Power and Light Company.

Zampella RA, Procopio NA, Laidig KJ, Bunnell JF. (2004). <u>The Essential Character of the Oyster Creek Watershed</u>. New Lisbon, NJ: The Pinelands Commission.

Pathogens

Gastrich MD, Anderson OR, Cosper EM. (2002). Viral-like particles (VLPS) in the alga, Aureococcus anophagefferens (pelagophyceae), during 1999-2000 brown tide blooms in Little Egg Harbor, New Jersey. Estuaries and Coasts;25(5):938-943, DOI: 10.1007/BF02691342.

Hillman RE, Maciolek NJ, Lahey JI, Belmore I. (1982). Effects of a haplosporidian parasite, Haplosporidium sp., on species of the molluscan woodborer Teredo in Barnegat Bay, New Jersey. Journal of Invertebrate Pathology, Volume 40, Issue 3, November 1982, Pages 307-319

Hillman RE. (1979). Encystment of the ciliate Boveria teredinidi in the tissues of the molluscan woodborer Bankia gouldi in Barnegat Bay, New Jersey. Journal of Invertebrate Pathology; 34(1):78-83.

Randa MA, Polz MF, Lim E. (2004). Effects of Temperature and Salinity on Vibrio vulnificus Population Dynamics as Assessed by Quantitative PCR. Applied and Environmental Microbiology;70(9):5469-5476.

Thomspon JR, Randa MA, Marcelino LA, et al. (2004). Diversity and Dynamics of a North Atlantic Coastal Vibrio Community. Applied and Environmental Microbiology;70(7):4103-4110.

Plankton

Hein MK, Koppen JD. (1979). Effects of thermally elevated discharges on the structure and composition of estuarine periphyton diatom assemblages. Estuarine and Coastal Marine Science;9(4):385-401.

Hillman RE. (1979). Encystment of the ciliate Boveria teredinidi in the tissues of the molluscan woodborer Bankia gouldi in Barnegat Bay, New Jersey. Journal of Invertebrate Pathology; 34(1):78-83.

Ichthyological Associates, Inc. (1979). <u>Ecological studies for the Oyster Creek Generating Station: finfish, shellfish, and plankton</u>. Prepared by Ichthyological Associates, Inc., Ithaca NY. Morristown, NJ: Jersey Central Power and Light Company.

Ichthyological Associates, Inc. (1979). Report of data collected for ecological studies for the Oyster Creek Generating Station. September 1978-March 1979. Two volumes. Part One: Finfish, Shellfish and Plankton; Part Two: Appendix Tables. Prepared by Ichthyological Associates, Inc., Ithaca NY. Morristown, NJ: Jersey Central Power and Light Company.

Ichthyological Associates, Inc. (1978). Report of data collected for ecological studies for the Oyster Creek Generating Station. September 1977 - March 1978. Two Volumes. Part One: Finfish, Shellfish, and Plankton. Part Two: Appendix Tables. Prepared for Jersey Central Power and Light Company. Forked River, NJ: Ichthyological Associates, Inc.

Ichthyological Associates, Inc. (1977). <u>Ecological studies for the Oyster Creek Generating Station: progress Report for the Period September 1975 - August 1976. Volume 1: Fin- and Shellfish.</u> Prepared by Ichthyological Associates, Inc., Ithaca NY. Morristown, NJ: Jersey Central Power and Light Company.

Ichthyological Associates, Inc. (1977). <u>Ecological studies for the Oyster Creek Generating Station: progress Report for the Period September 1975 - August 1976. Volume 2: Plankton</u>. Prepared by Ichthyological Associates, Inc., Ithaca NY. Morristown, NJ: Jersey Central Power and Light Company.

Kennish MJ. (2001). Zooplankton of the Barnegat Bay-Little Egg Harbor Estuary. <u>Journal of Coastal Research</u>;32(Special Issue):163-166.

Livingston RJ. (2000). Eutrophication Processes in Coastal Systems: Origin and Succession of Plankton Blooms and Effects on Secondary Production. CRC Press, Boca Raton, Florida.

Mountford K. (1984). Phyoplankton. In: Kennish MJ, Lutz RA. (eds). Ecology of Barnegat Bay, New Jersey. New York: Springer-Verlag. pp 52-77.

Mountford K. (1980). Occurrence and predation by Mnemiopsis leidyi in Barnegat Bay, New Jersey. Estuarine and Coastal Marine Science; 10(4):393-402.

Mountford K. (1971). Plankton studies in Barnegat Bay. PhD Thesis. New Brunswick, NJ: Rutgers University.

Olsen PS, Mahoney JB. (2001). Phytoplankton in the Barnegat Bay-Little Egg Harbor estuarine system: Species composition and picoplankton bloom development. <u>Journal of Coastal Research</u>;32(Special Issue):115-143.

Sandine PH. (1984). Zooplankton. In: Kennish MJ, Lutz RA. (eds). Ecology of Barnegat Bay, New Jersey. New York: Springer-Verlag. pp 95-134.

Seitzinger SP, Sanders RW, Styles R. (2002). Bioavailability of DON from Natural and Anthropogenic Sources to Estuarine Plankton. Limnology and Oceanography;47(2):353-366.

Seitzinger, S. P., R. M. Styles, and I. E. Pilling. (2001). Benthic microalgal and phytoplankton production in Barnegat Bay, New Jersey (USA): microcosm experiments and data synthesis. <u>Journal of Coastal Research</u>;32(Special Issue):144-162.

Thomspon JR, Randa MA, Marcelino LA, et al. (2004). Diversity and Dynamics of a North Atlantic Coastal Vibrio Community. Applied and Environmental Microbiology;70(7):4103-4110.

Recreational Impacts

Boettcher, Helene. (ca. 1988). <u>An investigation of two marinas as sources of pollution in Barnegat Bay.</u> N.J. Trenton, NJ: Division of Science and Research, New Jersey Department of Environmental Protection.

Burger J. (2002). Effects of motorboats and personal watercraft on nesting terms: conflict resolution and the need for vigilance. Journal of Coastal Research;37(Special Issue): 7-17.

Hillman RJ, Kennish MJ. (1984). Commercial and sport fisheries. In: Kennish MJ, Lutz RA (eds). <u>Ecology of Barnegat Bay, New Jersey</u>. New York: Springer-Verlag. pp 281-301.

Kennish MJ. (ed.). (2002). Impacts of Motorized Watercraft on Shallow Estuarine and Coastal Marine Environments. <u>Journal of Coastal Research</u>;37(Special Issue). 202 pp.

Sea Level Rise

Anthony A, Atwood J, et al. (2009). <u>Coastal lagoons and climate change: Ecological and social ramifications in U.S. Atlantic and Gulf Coast ecosystems</u>. Ecology and Society;14(1):8.

Colon J, et al. (2007). <u>The Garden State in the Greenhouse: Climate Change Mitigation and Coastal Adaptation Strategies for New Jersey</u>. Prepared for the New Jersey Department of Environmental Protection. Princeton, NJ: Woodrow Wilson School of Public and International Affairs, Princeton University.

Cooper MJP, Beevers MD, Oppenheimer M. (2008). The potential impacts of sea level rise on the coastal region of New Jersey, USA. Climatic Change; 90(4):475-492. DOI: 10.1007/s10584-008-9422-0

Cooper MJP, Beevers MD, Oppenheimer M. (2005). <u>Future Sea Level Rise and the New Jersey Coast: Assessing Potential Impacts and Opportunities</u>. Princeton, NJ: Science, Technology and Environmental Policy Program, Woodrow Wilson School of Public and International Affairs, Princeton University.

Engelhart SE, Horton BP, Douglas BC, Peltier WR, Tornqvist TE. (2009). Spatial Variability of Late Holocene and 20th Century Sea Level Rise along the US Atlantic Coast. <u>Geology</u>; 37:1115-1118.

Greenlee SM. Moore TC. (1988). Recognition and interpretation of depositional sequences and calculation of sea-level changes from stratigraphic data—offshore New Jersey and Alabama Tertiary. In: Wilgus, C.K., et al. (Eds.). Sea-Level Changes: An Integrated Approach, SEPM Memoir; 42:329–353. doi: 10.2110/pec.88.01.0329.

Gutierrez BT, Williams SJ, Thieler ER. (2007). <u>Potential for Shoreline Changes Due to Sea-Level Rise Along the U.S. Mid-Atlantic Region</u>. Open File Report 2007-1278. Reston, VA: U.S. Geological Survey.

Kana TW, Eiser WC, Baca BJ, Williams ML. (1988). New Jersey case study. In: Titus JG (ed.). <u>Greenhouse Effect, Sea Level Rise, and Coastal Wetlands</u>. Washington DC: U.S. Environmental Protection Agency. EPA 230-05-86-013.

Kemp AC, Horton BP. Donnelly JP, Mann ME, Vermeer M, Rahmstorf S. (2011). Climate related sea-level variations over the past two millennia. Proceedings of the National Academy of Sciences;108(27):11017-11022. doi: 10.1073/pnas.1015619108

Kemp AC, Horton BP, et al. (2009). Timing and magnitude of recent accelerated sea-level rise (North Carolina, United States). Geology;37(11):1035-1038. doi: 10.1130/G30352A.1.

Kirwan ML, Guntenspergen GR, D'Alpaos A, Morris JT, Mudd SM, and Temmerman S. (2010). Limits on the adaptability of coastal marshes to rising sea level. Geophysical Research Letters; 37, L23401, doi:10.1029/2010GL045489.

Kominz MA, Browning JV, Miller KG, Sugarman PJ, Mizintseva S, Scotese CR. (2008). Late Cretaceous to Miocene sea-level estimates from New Jersey and Delaware coastal plain coreholes: an error analysis. <u>Basin Research</u>; 20:211-226. doi: 10.1111/j.1365-2117.2008.00354.x

Kominz MA, Van Sickel WA, Miller KG, Browning JV. (2002). Sea-level estimates for the latest 100 million years: One-dimensional backstripping of onshore New Jersey boreholes. Presented at the 22nd Annual GCSSEPM Foundation Bob F. Perkins Research Conference, Sequence Stratigraphic Models for Exploration and Production: Evolving Methodology, Emerging Models and Application Case Histories. p.303-315.

Kyper T, Sorensen R. (1985). Potential Impacts of Selected Sea Level Rise Scenarios on the Beach and Coastal Works at Sea Bright, New Jersey. In Magoon, O.T., et al. (eds). Coastal Zone '85. New York: American Society of Civil Engineers.

Lathrop RG, Love A. (2007). <u>Vulnerability of New Jersey's Coastal Habitats to Sea Level Rise.</u> New Brunswick, NJ: Center for Remote Sensing and Spatial Analysis, Rutgers University.

McBride RA, Moslow TF. (1991). Origin, evolution, and distribution of shoreface sand ridges, Atlantic inner shelf, U.S.A. Marine Geology;97(1-2):57-85. doi:10.1016/0025-3227(91)90019-Z

McNamara DE, Murray AB, Smith MD. (2011). Coastal sustainability depends on how economic and coastline responses to climate change affect each other. Geophysical Research Letters;38:L07401. doi:10.1029/2011GL047207

Meyerson AL. (1986) The effect of sea level rise on the middle Atlantic Coast. *Bulletin of the New Jersey Academy of Science*; 31(2):17-93.

Miller KG Sr., Sugarman PJ, Browning JV. (2010). Global, Regional, and Local Sea Level Rise on the U.S. Atlantic Coast: Atlantic City as the New Atlantis? In: Proceedings of IPCC, 2010: Workshop Report of the Intergovernmental Panel on Climate Change Workshop on Sea Level Rise and Ice Sheet Instabilities [Stocker, T.F., D. Qin, G.-K. Plattner, M. Tignor, S. Allen, and P.M. Midgley (eds.)]. IPCC Working Group I Technical Support Unit, University of Bern, Bern, Switzerland, p. 143.

Miller KG, Sugarman PJ, Browning JV, Horton BP, Stanley A, Kahn A, Uptegrove J, Aucott M. (2009). Sea level rise in New Jersey over the past 5,000 years: Implications to anthropogenic changes. <u>Global and Planetary</u> Change;66(1-2):10-18.

Miller KG, Kominz MA, Browning JV, Wright JD, Mountain GS, Katz ME, Sugarman PJ, Cramer BS, Christie-Blick N, Pekar SF.(2005). The Phanerozoic record of global sea-level change. <u>Science</u>;310(5752):1293-8. DOI: 10.1126/science.1116412.

Miller KG, Sugarman PJ, Browning JV, Kominz MA, Olsson RK, Feigenson MD, Hernandez JC. (2004). Upper Cretaceous sequences and sea-level history, New Jersey coastal plain. <u>Geological Society of America Bulletin</u>;116:368–393.

Miller KG, Sugarman PJ, Browning JV, Kominz MA, Hernandez JC, Olsson RK, Wright JD. Feigenson MD, Van Sickel W. (2003). Late Cretaceous chronology of large, rapid sea-level changes: Glacioeustasy during the greenhouse world. <u>Geology</u>;31:585-588.

Miller KG, Mountain GS. (1994). <u>Global sea-level change and the New Jersey margin</u>. In: <u>Proceedings of the Ocean Drilling Program</u>, Initial reports. Volume 150, p 11-19.

Mizintseva SF, Browning JV, Miller KG. et al. (2009). Integrated late Santonian-early Campanian sequence stratigraphy, New Jersey coastal plain: Implications for global sea-level studies. Stratigraphy;6:45-60.

Monteverde DH, Mountain GS, Miller KG. (2008). Early Miocene sequence development across the New Jersey margin. Basin Research;20(2):249–267. DOI: 10.1111/j.1365-2117.2008.00351.x

Monteverde DH. Miller KG, Mountain GS. (2000). Correlation of offshore seismic profiles with onshore New Jersey Miocene sections. Sedimentary Geology;134:111-127.

New Jersey Panel on Sea Level Rise. (1991). <u>Report to the Governor's Science Advisory Committee</u> on the Impacts of Sea-Level Rise on Coastal New Jersey. New Brunswick, NJ: Institute of Marine and Coastal Sciences, Rutgers University.

Olsson RK, Miller KG, Browning JV, Wright JD, Cramer BS. (2002). Sequence stratigraphy and sea-level change across the Cretaceous-Tertiary boundary on the New Jersey passive margin. <u>Geological Society of America Special Papers</u>;356:97-108. doi: 10.1130/0-8137-2356-6.97.

Orson R, Panageotou W, and Leatherman SP. (1985). Response of tidal salt marshes of the U.S. Atlantic and Gulf coasts to rising sea levels. <u>Journal of Coastal Research</u>; 1(1):29-37.

Pardi RR, Newman WS. (1986). 16,000 years of rising sea level along New Jersey 's Atlantic shore. <u>Bulletin of the New Jersey Academy of Science</u>; 31(1):10.

Pekar SJ, Miller KG, Kominz MA. (2000). Reconstructing the stratal geometry of latest Eocene to Oligocene sequences in New Jersey: Resolving a patchwork distribution into a clear pattern of progradation. <u>Sedimentary Geology</u>;134:93-109.

Psuty NP, Silveira TM. (2009). <u>Geomorphological Evolution of Estuaries: The Dynamic Basis for Morpho-Sedimentary Units in Selected Estuaries in the Northeastern United States</u>. Marine Fisheries Review;71(3):34-45.

Psuty NP, Spence E, Collins D. (1996). <u>Sea-level Rise: A White Paper on the Measurements of Sea-level Rise in New Jersey and a Perspective on the Implications for Management</u>. Trenton, NJ: Office of Land and Water Planning, New Jersey Department of Environmental Protection.

Psuty NP. (1991). The Effects of an Accelerated Rise in Sea Level on the Coastal Zone of New Jersey, U.S.A. A Report by the Panel on Sea Level Rise (Dr. Norbert P. Psuty, Chair) to the Governor's Science Advisory Commmittee. New Brunswick, NJ: Rutgers University, Center for Coastal and Environmental Studies.

Psuty N. (1986). Impacts of impending sea level rise scenarios; the New Jersey barrier island responses. <u>Bulletin of the New Jersey Academy of Science</u>; 31(2): 29-36.

Rignot E, et al. (2011). Acceleration of the contribution of the Greenland and Antarctic ice sheets to sea level rise. Geophysical Research Letters;38:L05503. doi:10.1029/2011GL046583.

Sheridan RE, Ashley GM, Miller KG, Waldner JS, Hall DW, Uptegrove J. (2000). Offshore-onshore correlation of upper Pleistocene strata, New Jersey coastal plain to continental shelf and slope. <u>Sedimentary</u> <u>Geology</u>:134:197-207.

Seavey JR, Gilmer B, McGarigal KM. (2011). Effect of sea-level rise on piping plover (Charadrius melodus) breeding habitat. Biological Conservation;144(1): 393-401. doi:10.1016/j.biocon.2010.09.017.

Siddal M, Stocker TF, Clark PU. (2009). Constraints on future sea-level rise from past sea-level change. <u>Nature Geoscience</u>;2:571-575. DOI: 10.1038/NGE0587.

Sorensen RM, Weisman RN, Lennon GP. (1984). Control of erosion, inundation, and salinity intrusion caused by sea level rise. In: Greenhouse Effect and Sea Level Rise: A Challenge for This Generation, M. C. Barth and J. G. Titus, eds. New York: Van Nostrand Reinhold.

Stanley A, Miller KG, Sugarman PJ, Aucott M. (2004). <u>Holocene Sea-Level Rise in New Jersey: An Interim Report.</u> Trenton, NJ: Division of Science, Research, and Technology, New Jersey Department of Environmental Protection.

Sugarman P. (1998). <u>Sea Level Rise In New Jersey</u>. Information Circular. Trenton, NJ: New Jersey Geological Survey, New Jersey Department of Environmental Protection.

Titus JG, Richman C. (2000). <u>Maps of Lands Vulnerable to Sea Level Rise: Modeled Elevations along the U.S. Atlantic and Gulf Coasts</u>. <u>Climate Research</u>;18: 205-228.

Titus JG. (1990). <u>Greenhouse effect, sea level rise, and barrier islands: Case study of Long Beach Island, New Jersey</u>. <u>Coastal Management</u>; 18: 65-90.

Uptegrove J, Waldner JS, Hall DW, Monteverde DH. (2010). Sand resources offshore Barnegat Inlet and northern Long Beach Island, New Jersey. Presented at the Joint Meeting of the 45th Annual Meeting of the Northeastern Section of the Geological Society of America and the 59th Annual Meeting of the Southeastern Section of the Geological Society of America. March 14-16, 2010, Baltimore, MD. In: Abstracts of the Proceedings of the Geological Society of America;42(1):90.

Van Sickel WA, Kominz MA, Miller KG, Browning JV. (2004). Late Cretaceous and Cenozoic sea-level estimates: Backstripping analysis of borehole data, onshore New Jersey. <u>Basin Research</u>;16:451-465.

Vermeer M, Rahmstorf S. (2009). <u>Global sea level linked to global temperature</u>. Proceedings of the National Academy of Sciences;106(51):21527-21532.

Weiss JL, Overpeck JT, Strauss B. (2011). Implications of Recent Sea Level Rise Science for Low-elevation Areas in Coastal Cities of the Conterminous U.S.A. Climatic Change;105(3-4): 635-645. DOI: 10.1007/s10584-011-0024-x.

Wright JD, Sheridan RE, Miller KG, Uptegrove J, Cramer BS, Browning JV. (2009). Late Pleistocene sea level on the New Jersey Margin: Implications to eustasy and deep-sea temperature. <u>Global and Planetary Change</u>;66(1-2):93-99. doi:10.1016/j.gloplacha.2008.03.013.

Yin J, Schlesinger ME, et al. (2009). Model projections of rapid sea-level rise on the northeast coast of the United States. <u>Nature Geoscience</u>;2(4):262-266. doi:10.1038/ngeo462.

Zarine A, Singh A, Khandaker NI, Schleifer S, Kaur M. (2009). Sedimentology of Island Beach State Park, New Jersey. Presented at the 2009 Annual Meeting of the Geological Society of America, October 18-21, 2009, Portland Oregon. In: Abstracts of the Proceedings of the Geological Society of America; 41(7):320.

Submerged Aquatic Vegetation

Bologna PAX, Sinnema MS. (Article in Press). Restoration of seagrass habitat in New Jersey, United States. <u>Journal of Coastal Research</u>. doi: 10.2112/JCOASTRES-D-10-00062.1

Bologna PAX. (2007). Impact of differential predation potential on eelgrass (Zostera marina) faunal community structure. <u>Aquatic Ecology</u>;41(2):221-229. DOI: 10.1007/s10452-006-9059-x.

Bologna PAX, Gibbons-Ohr S, Downes-Gastrich M. (2007). Recovery of eelgrass (Zostera marina) after a major disturbance event in Little Egg Harbor, New Jersey, USA. <u>Bulletin of the New Jersey Academy of Science</u>;52(1):1-7.

Bologna PAX. (2006). Assessing within habitat variability in plant demography, faunal density, and secondary production in an eelgrass (Zostera marina L.) bed. <u>Journal of Experimental Marine Biology and Ecology</u>;329:122-134.

Bologna PAX, Sinnema MS. (2006). <u>Assessment of a construction-related eelgrass restoration in New Jersey</u>. In: Treat SF, Lewis RR III (eds). <u>Seagrass Restoration: Success, Failure and the Costs of Both</u>. Selected papers presented at a 2003 workshop, Mote Marine Laboratory, Sarasota, Florida. Valrico, FL: Lewis Environmental Services, Inc. Pages 79-90

Bologna PAX, Lathrop R, Bowers PD, Able KW. (2000). Assessment of the health and distribution of submerged aquatic vegetation from Little Egg Harbor, New Jersey: Technical Report. Prepared by the Institute of Marine and Coastal Sciences, Rutgers, Rutgers The State University of New Jersey. New Brunswick, NJ: Institute of Marine and Coastal Sciences, Rutgers, Rutgers The State University of New Jersey.

Campanella JJ, Bologna PA, Smalley JV, Rosenzweig EB, Smith SM. (2010). Population Structure of Zostera marina (Eelgrass) on the Western Atlantic Coast Is Characterized by Poor Connectivity and Inbreeding. <u>Journal of Heredity</u>;101(1):61-70.

Campanella JJ, Bologna PAX, et al. (2010). Zostera marina population genetics in Barnegat Bay, New Jersey, and implications for grass bed restoration. <u>Population Ecology</u>;52(1):181-190.

Fonseca MS, Uhrin AV. (2009). <u>The Status of Eelgrass, Zostera marina, as Bay Scallop Habitat: Consequences for the Fishery in the Western Atlantic.</u> Marine Fisheries Review;71(3):20-33

Good RE, et al. (1978). <u>Analysis and delineation of submerged vegetation of coastal New Jersey: a case study of Little Egg Harbor</u>. Prepared by the Center for Coastal and Environmental Studies, Rutgers the State University of New Jersey. Trenton, NJ: New Jersey Department of Environmental Protection.

Haag S. (2010). Distributional change in seagrass as an ecological indicator of estuarine health for Barnegat Bay – Little Egg Harbor, New Jersey. M.S. Thesis, Rutgers University, New Brunswick, New Jersey.

Haag SM, Kennish MJ, Sakowicz GP. (2008). Seagrass habitat characterization in estuarine waters of the Jacques Cousteau National Estuarine Research Reserve using underwater videographic imaging techniques. Journal of Coastal Research;55(Special Issue):171-179.

Kennish MJ, Haag SM, Sakowicz GP. (2010). Seagrass decline in New Jersey coastal lagoons: a response to increasing eutrophication. In: M. J. Kennish and H. W. Paerl (eds.), <u>Coastal Lagoons: Critical Habitats of Environmental Change</u>. Boca Raton, Florida: CRC Press.

Kennish MJ, Haag SM, Sakowicz GP. (2010). Impacted seagrass habitat in a temperate coastal lagoon: Responses to increasing eutrophic condition. <u>Estuaries and Coasts</u>, 52 pp. (Manuscript Submitted).

Kennish MJ, Haag SM, Sakowicz GP. (2008). Seagrass demographic and spatial habitat characterization in Little Egg Harbor, New Jersey, using fixed transects. Journal of Coastal Research;55(Special Issue): 148-170.

Kennish MJ, Haag SM, Sakowicz, GP. (2006). Application of underwater videography to characterize seagrass habitats in Little Egg Harbor, New Jersey. <u>Bulletin of the New Jersey Academy of Science</u>;51:1-6.

Lathrop RG, Haag SM. (2010). <u>Assessment of Seagrass Status in the Barnegat Bay - Little Egg Harbor Estuary (2003 and 2009).</u>New Brunswick, NJ: Center for Remote Sensing and Spatial Analysis and Institute of Marine and Coastal Sciences, School of Environmental and Biological Sciences, Rutgers University.

Lathrop RG, Montesano P, Haag S. (2006). <u>A multi-scale segmentation approach to mapping seagrass habitats using airborne digital camera imagery</u>. <u>Photogrammetric Engineering and Remote Sensing</u>;72(6A):665-675.

Lathrop RG, Montesano P, Haag S. (2005). <u>A multi-scale segmentation approach to mapping seagrass habitats</u>. Presented at Coastal GeoTools '05. Myrtle Beach, SC, 7-10 Mar 2005. In: Proceedings of Coastal GeoTools '05, p60.

Lathrop RG, Montesano P, Haag S. (2004). <u>Submerged Aquatic Vegetation Mapping in the Barnegat Bay National Estuary: Update to Year 2003</u>. New Brunswick, NJ: Center for Remote Sensing & Spatial Analysis, Rutgers University.

Lathrop RG, Styles RM, Seitzinger SP, Bognar JA. (2001). Use of GIS Mapping and Modeling Approaches to Examine Spatial Distribution of Seagrasses in Barnegat Bay, New Jersey. Estuaries and Coasts;24(6):904-916.

Loveland RE, Brauner JF, Taylor JE, Kennish MJ. (1984). Macroflora. In: Kennish MJ, Lutz RA (eds). Ecology of Barnegat Bay, New Jersey. New York: Springer-Verlag. pp 78-94.

Macomber RT, Allen D. (1979). The New Jersey submerged aquatic vegetation distribution atlas: final report: distribution level maps with percent cover and species association information of submersed aquatic vegetation in New Jersey's coastal zone. Washington, D.C.: Earth Satellite Corporation.

Modjeski AC. (2008). Submerged Aquatic Vegetation (SAV) Aerial Hyperspectral Imaging and Groundtruthing Survey: Use of Aerial Hyperspectral Imaging in Defining Habitat Areas of Particular-Concern for Summer Flounder in a High-Energy Estuarine Environment. Presented at Environment Concerns in Rights-of-Way Management 8th International Symposium, 12-16 September 2004, Saratoga Springs, New York, USA, Pages 723-728. doi:10.1016/B978-044453223-7.50079-4

Moser FC. (1997). <u>Sources and Sinks of Nitrogen and Trace Metals, and Benthic Macrofauna Assemblages in Barnegat Bay, New Jersey</u>. Ph.D. Thesis, Rutgers University, New Brunswick, New Jersey.

Ocean County Soil Conservation District. (2005). <u>Sub-aqueous Vegetation Sediment Classification System and Mapping Study for the Barnegat Bay.</u> Prepared in cooperation with the USDA - Natural Resources Conservation Service. Forked River, NJ: Ocean County Soil Conservation District.

Rountree RA, Able KW. (1992). Fauna of polyhaline subtidal marsh creeks in southern New Jersey: Composition, abundance and biomass. Estuaries;15(2):171-185.

Short FT, Polidoro B, Livingstone SR, et al. (In-Press). Extinction risk assessment of the world's seagrass species. Biological Conservation. doi:10.1016/j.biocon.2011.04.010.

Smith SM, Rosenzweig EB, Bologna PAX, Smalley J, Campanella JJ. (2007). A population genetic study of the Zostera marina (eelgrass) ecotypes of Barnegat Bay, New Jersey and implications for grass bed restoration. Poster presented at "Plant Biology/Botany 2007," the Joint Annual Meetings of the Meeting of the American-Fern-Society/American-Society-of-Plant-Biologists/American-Society-of-Plant-Taxonomists/Botanical-Society-of-America Chicago, IL, 7-11 July 2007. In: Proceedings of Plant Biology/Botany 2007 Joint Congress, p324.

Sogard SM, Able KW. (1991). A comparison of eelgrass, sea lettuce macroalgae, and marsh creeks as habitats for epibenthic fishes and decapods. Estuarine, Coastal and Shelf Science; 33:501-519.

Sullivan MC, Able KW, Hare JA, Walsh HJ. (2006). Anguilla rostrata glass eel ingress into two U.S. east coast estuaries: patterns, processes and implications for adult abundance. <u>Journal of Fish Biology</u>; 69:1081-1101.

Water Quality

Baker, Ronald J., Kathryn Hunchak-Kariouk. (2006). <u>Relations of water quality to streamflow, season, and land use for four tributaries to the Toms River, Ocean County, New Jersey, 1994-99.</u>
Publisher: Reston, Va.: U.S. Geological Survey. Scientific Investigations Report 2005-5274.

Chirenje T, Epstein C, Mueller R. (2007). Chapter 26: Water quality issues in the outer coastal plains: New Jersey. In: Sarkar D, et al. (eds). Developments in Environmental Science - Concepts and Applications in Environmental Geochemistry;5:561-589. doi:10.1016/S1474-8177(07)05026-7.

Dow CL, Zampella RA. (2000). Specific conductance and pH as indicators of watershed disturbance in streams of the New Jersey Pinelands. U.S.A. Environmental Management: 26:437-445.

Hickman RE. (1997). <u>Streamflow, tidal-water-level, and water-quality data for the tidal embayments of the Metedeconk and Toms Rivers, New Jersey, water years 1993-94</u>. Prepared in cooperation with the New Jersey Department of Environmental Protection. Open-File Report Number 96-368. West Trenton, NJ: U.S. Geological Survey.

Hickman RE. (1996). Relations between the gravity-driven flow system and longitudinal variations in water quality in the tidal embayments of the Metedeconk and Toms Rivers, New Jersey, 1992-93, in Flimlin, G.E., Jr. and Kennish, M.J., eds., Proceedings of the Barnegat Bay Ecosystem Workshop, November 14, 1996, Toms River, New Jersey: , p. 63-74.

Hunchak-Kariouk K. (1999). <u>Relation of water quality to land use in the drainage basins of four tributaries to the Toms River, New Jersey, 1994-95</u>. Water-Resources Investigations report number WRI-99-4001. Reston, VA: U.S. Geological Survey.

Hunchak-Kariouk K. (1996). Relation of loads of ammonia, nitrate, and bacteria to land use during base flow and stormflow in three tributaries to the Toms River, New Jersey, 1994-95, in Flimlin, G.E., Jr. and Kennish, M.J., eds., Proceedings of the Barnegat Bay Ecosystem Workshop, November 14, 1996, Toms River, New Jersey: , p. 49-61.

Lacombe PJ, Rosman R. (1997). <u>Water Levels in, Extent of Freshwater In, and Water Withdrawal from Eight Major Confined Aquifers, New Jersey Coastal Plain, 1993</u>. Prepared in cooperation with the New Jersey Department of Environmental Protection. Water-Resources Investigations Report 96-4206. Reston, VA: U.S. Geological Survey.

Moser FC, Bopp RF. (2001). Particle-associated contaminants in the Barnegat Bay-Little Egg Harbor Estuary. Journal of Coastal Research; 32 (Special Issue): 229-242.

Nicholson RS, Hunchak-Kariouk K, Cauller SJ. (2003). Review of Selected References and Data Sets on Ambient Ground and Surface Water Quality in the Metedeconk River, Toms River, and Kettle Creek basins, New Jersey, 1980-2001. Prepared in cooperation with the New Jersey Department of Environmental Protection. Water-Resources Investigations Report number 03-4259. West Trenton, NJ: U.S. Dept. of the Interior, U.S. Geological Survey.

Nicholson RS, Watt MK. (1996). Ground-water flow in the unconfined aquifer of the northern Barnegat Bay Watershed, New Jersey, in Flimlin, G.E., Jr. and Kennish, M.J., eds., Proceedings of the Barnegat Bay Ecosystem Workshop, November 14, 1996, Toms River, New Jersey: , p. 31-47.

Rivers SR, Gift JJ. (1987). 1986 effluent study, Toms River plant. Volume I, Text and figures: final report. Prepared for Ciba-Geigy Corporation, Toms River, NJ

Saunders WR, Trela JJ, Benintente JA. (1979). <u>Water quality and Septic Systems: Ocean Acres subdivision</u>, <u>Stafford and Barnegat townships</u>, <u>Ocean County</u>, <u>New Jersey</u>. Trenton, NJ: Bureau of Water Quality Planning and Management, Division of Water Resources, New Jersey Dept. of Environmental Protection.

Suchodolski WT. (2004). How thick is your Hevi-cat: Evaluating buried sub-aqueous pipes in a marine environment. In: Proceedings of the Water Environment Federation, Collection Systems. pp. 179-189.

Valiela I. (2005). <u>A User-Friendly Aid to Explore Management Options to Lower Nitrogen Loads to Estuaries:</u> <u>Final Report</u>. Durham, New Hampshire: NOAA/UNH Cooperative Institute for Coastal and Estuarine Environmental Technology (CICEET).

Wieben CM. (2007). <u>Assessment of a Shallow Ground-Water-Quality Indicator</u>. Prepared by Christine M. Wieben of the U.S. Geological Survey, in cooperation with the Barnegat Bay National Estuary Program. West Trenton, NJ: New Jersey Water Science Center, U.S. Geological Survey.

Windisch MA. (1991). New Jersey Pinelands surface water quality data, 1990-1991. Pinelands Commission, New Lisbon, New Jersey, USA.

Windisch MA. (1990). New Jersey Pinelands surface water quality data, 1988-1990. Pinelands Commission, New Lisbon, New Jersey, USA.

Windisch MA, Zampella RA. (1989). New Jersey Pinelands surface water quality data, 1983-1988. Pinelands Commission, New Lisbon, New Jersey, USA.

Zampella RA, Bunnell JF, Laidig KJ, Procopio NA III. (2010). Aquatic degradation in shallow coastal plain lakes: Gradients or thresholds? Ecological Indicators;10:303-310.

Zampella RA, Procopio NA, Du Brul MU, Bunnell JF. (2008). <u>An ecological-integrity assessment of the New Jersey Pinelands</u>. A comprehensive assessment of the landscape, aquatic and wetlands systems of the region. New Jersey Pinelands Commission, New Lisbon, New Jersey, USA.

Zampella RA. (1994). Characterization of surface water quality along a watershed disturbance gradient. Water Resources Bulletin; 30:605-611.

Zampella RA, Craig AL, Windisch M. (1994). Water quality characteristics of Ocean County Pinelands Streams. Pinelands Commission, New Lisbon, New Jersey, USA.

Wetlands

Burger J, Shisler J. (1983). Succession and productivity on perturbed and natural Spartina salt-marsh areas in New Jersey. Estuaries and Coasts;6(1):50-56.

Dow CL, Zampella RA. (2000). Specific conductance and pH as indicators of watershed disturbance in streams of the New Jersey Pinelands, U.S.A. Environmental Management; 26:437-445.

Kana TW, Eiser WC, Baca BJ, Williams ML. (1988). New Jersey case study. In: Titus JG (ed.). <u>Greenhouse Effect, Sea Level Rise</u>, and <u>Coastal Wetlands</u>. Washington DC: U.S. Environmental Protection Agency. EPA 230-05-86-013.

Kirwan ML, Guntenspergen GR, D'Alpaos A, Morris JT, Mudd SM, and Temmerman S. (2010). Limits on the adaptability of coastal marshes to rising sea level. Geophysical Research Letters; 37, L23401, doi:10.1029/2010GL045489.

Laidig KJ, Zampella RA, Popolizio C. (2009). Hydrologic regimes associated with Helonias bullata L. (swamp pink) and the potential impact of simulated water-level reductions. Journal of the Torrey Botanical Society; 136:221-232.

Lathrop RG, Love A. (2007). <u>Vulnerability of New Jersey's Coastal Habitats to Sea Level Rise.</u> New Brunswick, NJ: Center for Remote Sensing and Spatial Analysis, Rutgers University.

Lathrop RG(1), Haag SM(2). (2007). <u>Assessment of Land Use Change and Riparian Zone Status in the Barnegat Bay and Little Egg Harbor Watershed: 1995-2002-2006</u>. (1) Grant F. Walton Center for Remote Sensing and Spatial Analysis and (2) Institute of Marine and Coastal Science, School of Environmental & Biological Sciences-Rutgers University New Brunswick, NJ. New Brunswick, NJ: Grant F. Walton Center for Remote Sensing and Spatial Analysis and Institute of Marine and Coastal Science, School of Environmental & Biological Sciences, Rutgers University.

Lathrop RG, Bognar JA. (2001). Habitat loss and alteration in the Barnegat Bay region. <u>Journal of Coastal Research</u>;32(Special Issue):212-228.

Lathrop RG, Cole MB, Showalter RD. (2000). Quantifying the habitat structure and spatial pattern of New Jersey (USA) salt marshes under different management regimes. Wetlands Ecology and Management. 8:163-172.

Orson R, Panageotou W, and Leatherman SP. (1985). Response of tidal salt marshes of the U.S. Atlantic and Gulf coasts to raised sea levels. <u>Journal of Coastal Research</u>; 1(1):29-37.

Roman CT, Jaworski N, Short FT, Findlay S, Warren RS. (2000). <u>Estuaries of the Northeastern United States:</u> <u>Habitat and Land Use Signatures</u>. Estuaries and Coasts;23(6):743-764.

Weinstein MP. (2008). Ecological restoration and estuarine management: placing people in the coastal landscape. Journal of Applied Ecology;45(1):296-304.

Zampella RA, Procopio NA, Du Brul MU, Bunnell JF. (2008). <u>An ecological-integrity assessment of the New Jersey Pinelands.</u> A comprehensive assessment of the landscape, aquatic and wetlands systems of the region. New Jersey Pinelands Commission, New Lisbon, New Jersey, USA.

Zampella RA, Bunnell JF, Laidig KJ, Procopio NA. (2007). <u>Monitoring the ecological integrity of Pinelands wetlands: variations in shallow, coastal plain lake Communities associated with land-use-degradation gradients and thresholds</u>. Final report submitted to the U.S. Environmental Protection Agency. Pinelands Commission, New Lisbon, New Jersey, USA.

Zampella RA, et al. (2006). <u>The Barnegat Bay Watershed: A Report to the Pinelands Commission on the Status of Selected Aquatic and Wetland Resources.</u> New Lisbon, NJ: Long-Term Environmental-Monitoring Program, Pinelands Commission.

Zampella RA, Laidig KJ. (1997). Effect of watershed disturbance on Pinelands stream vegetation. Journal of the Torrey Botanical Society;124:52-66

Zampella RA, Craig AL, Windisch M. (1994). Water quality characteristics of Ocean County Pinelands Streams. Pinelands Commission, New Lisbon, New Jersey, USA.