- Barnegat Bay Shellfish. 2013. Crabs. Accessed 2015 Jul 16. Available from http://barnegatshellfish.org/crab01.htm
- **Barone DA, McKenna KK, Farrell SC. 2014.** Hurricane Sandy: Beach-dune performance at New Jersey Beach Profile Network sites. Shore & Samp; Beach 82 (4): 13-23.
- **Beach and dune walkover guidelines. 2006.** Tallahassee: Florida Dept. of Environmental Protection Division of Water Resource Management. Available from https://www.dep.state.fl.us/beaches/publications/pdf/wlkovrgl06.pdf
- Breininger DR. 1992. Birds of swale marshes on John F. Kennedy Space Center. Fla. Field Nat. 20(2): 3641.
- **Burkitt J, Wootton L. 2011.** Effects of disturbance and age of invasion on the impact of the invasive sand sedge, *Carex kobomugi*, on native dune plant populations in New Jersey's coastal dunes. Journal of Coastal Research 27(1): 182-193.
- **Burns RM, Honkala BH. 1990.** Sassafras. In: Silvics of North America, volume 2. United States Department of Agriculture Forest Service, Northeastern Area. Accessed 2015 Jul 16. Available from https://www.na.fs.fed.us/spfo/pubs/silvics_manual/volume_2/sassafras/albidum.htm
- **Chaney C. 2011.** Plants native to the New Jersey shore. Accessed 2015 Jul 16. Available from http://www.ehow.com/list 7476645 plants-native-new-jersey-shore.html
- **Charbonneau B, Wootton L, Wnek, J, Langley A., Posner M. In Revision.** Invasive sedge stabilized dunes more than native grass during Superstorm Sandy. Journal of Applied Ecology.
- **Cilek JE. 2008.** Stable fly, Stomoxys calcitrans (Diptera: Muscidae). In: Encyclopedia of Entomology, p. 3535-3539. Available from www.pcbeachmosquito.org/EntGuides/EntGuide4.pdf
- **CIRIA, CUR, CETMF. 2012.** The Rock Manual: The Use of Rock in Hydraulic Engineering, 2nd Edition, C683, CIRIA, London, England.
- **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: 475-492.
- Costanza R, Wilson M, Troy A, Voinov A, Liu S, D'Agostiono J. 2006. The value of New Jersey's ecosystem services and natural capital. Gund Institute for Ecological Economics. Available from http://www.state.nj.us/dep/dsr/naturalcap/nat-cap-2.pdf
- **Dahl E. 1952.** Some aspects of the ecology and zonation of the fauna on Sandy Beaches. Oikos 4(1):1-27. http://www.vliz.be/imisdocs/publications/139188.pdf
- **Davy AJ, Scott R, Cordazzo CV. 2006.** Biological flora of the British Isles: Cakile maritima Scop. Journal of Ecology 94: 695-711.
- **Dean RG. 1977.** Equilibrium beach profiles: U.S. Atlantic and Gulf coasts. Department of Civil Engineering, Ocean Engineering Report No. 12, University of Delaware, Newark, DE.
- **Dirnberger JM. 2006.** Beach profile figure [digital image]. Oceanography lecture: Waves and beaches. Available from http://science.kennesaw.edu/~jdirnber/oceanography/LecuturesOceanogr/LecWaves/LecWaves.html

- de la Huz R, Lastra M, Junoy J, Castellanos C, Vieitez JM. 2005. Biological impacts of oil pollution and cleaning in the intertidal zone of exposed sandy beaches: Preliminary study of the "Prestige" oil spill. Estuarine Coastal and Shelf Science 65:19-29.
- Dewberry & Davis, Inc. 1989. Basis of assessment procedures for dune erosion in coastal flood insurance studies.
- **Dugan JE, Hubbard DM, McCrary MD, Pierson MO. 2003.** The response of macrofauna communities and shorebirds to macrophyte wrack subsidies on exposed sandy beaches of southern California. Estuarine, Coastal, and Shelf Science 58S:25-40.
- **Dune walkover [digital image]. Date unknown.** Gulf Blue Vacations. Available from http://www.gulfbluevacations.com/Unit/Details/58994
- **Dune migration [digital image]. Date unknown.** The physical environment: sand dunes. Island Beach State Park. Available from http://www.islandbeachnj.org/Nature/physical/dunes.html
- **Eastman JA. 2003.** The book of field and roadside: Open country weeds, trees, and wildflowers of eastern North America. Mechanicsburg (PA): Stackpole Books; p. 27-30.
- Elmqvist TC, Folke C, Nyström M, Peterson G, Bengtsson J, Walker B, Norberg J. 2003. Response diversity, ecosystem change, and resilience. Frontiers in Ecology and the Environment 1(9): 488-494.
- Emery SM, Thompson D, Rudgers JA. 2010. Variation in endophyte symbiosis, herbivory and drought tolerance of *Ammophila breviligulata* populations in the Great Lakes Region. The American Midland Naturalist 163(1): 186-196
- **Emery SM and Rudgers JA. 2010.** Ecological assessment of dune restorations in the Great Lakes region. Restoration Ecology 18 (s1): 184-194
- Farrell SC, Hafner S, Howard S, Barone D, McKenna K, Robine C, Smith B, Flynn B, Tracy C. 2013. New Jersey Beach Profile Network annual report on shoreline changes in New Jersey in the four coastal counties Raritan Bay to Delaware Bay. Richard Stockton College of New Jersey. http://intraweb.stockton.edu/yos/coastal/content/docs/2012 NJBPN report/mon2012.pdf
- FEMA. 1995. Guidelines and specifications for wave elevation determination and V-zone mapping. Final Draft.
- FEMA. 2000. Coastal construction manual. 3rd ed. Federal Emergency Management Agency FEMA-55.
- **FEMA. 2009.** Dunes eroded by Ida in New Jersey [digital image]. Fema.gov. Available from http://www.fema.gov./ar/media-library/assets/images/56516
- Frumhoff PC, McCarthy JJ, Melillo JM, Moser SC, Wuebbles DJ. 2007. Confronting climate change in the U.S. Northeast: Science, impacts, and solutions. Synthesis report of the Northeast Climate Impacts Assessment (NECIA). Cambridge (MA): Union of Concerned Scientists.
- **Gaffney FB. 1977.** Cape, an improved strain of American beachgrass. International Journal of Biometeorology 21(3): 307-309.
- García Novo F, Díaz Barradas MC, Zunzungui M, García Mora R, Gallego Fernánde JR. 2004. Plant functional types in coastal dune habitats. In: Martinez ML, Psuty NP (editors), Coastal dune ecology and conservation. Ecological Studies 171:155-167.

- **Gares PA. 1990.** Eolian processes and dune changes at developed and undeveloped sites, Island Beach, New Jersey. In: Nordstrom KF, Psuty NP, Carter B (editors), Coastal dunes: Form and process. Chichester: John Wiley & Sons, chapter 16, p. 361-380.
- Hallermeier RJ, Rhodes PE Jr. 1986. Description and assessment of coastal dune erosion. Dewberry & Davis, Inc.
- **Hamer D., Cluster B., Miller C. 1992.** Restoration of sand dunes along the mid-Atlantic coast. Somerset (NJ): U.S. Department of Agriculture, Soil Conservation Service.
- **Hammond G. 2009.** *Trimerotropis maritima*. Animal Diversity Web. Accessed 2015 Jul 16. Available from http://animaldiversity.org/accounts/Trimerotropis_maritima/
- **Hancock TE. 1995.** Ecology of the threatened species seabeach amaranth (*Amaranthus pumilus Rafinesque*). Master of Science thesis, Department of Biological Sciences. Wilmington (NC): University of North Carolina; 28 pp.
- **Hansens E, Race S. 2008.** The greenhead and you. Accessed 2015 Jul 16. Available from http://www.rci.rutgers.edu/~insects/greenheads.htm
- **Herrington TO. 2004.** Dune and Beach Management Plan for Dover Township Federation of Beaches, Stevens Institute of Technology, Davidson Laboratory, TR SIT-DL- 04-9- 2819, Hoboken, NJ.
- **Hill JM, Knisley CB. 1994**. Recovery plan: Northeastern beach tiger beetle (Cincindela dorsalis Say). Accessed 2015 Jul 16. Available from http://www.nrc.gov/docs/ML0719/ML071970332.pdf
- **Hosier PE. 2003.** Biological components of dunes and slacks. Accessed 2015 Jul 16. Available from http://people.uncw.edu/hosier/BIE/bieclschd/present/pltanimla.htm
- **Houser C, Hapke C, Hamilton S. 2008.** Controls on coastal dune morphology, shoreline erosion and barrier island response to extreme storms. Geomorphology 100, 223–240
- [IPANE] Invasive plant atlas of New England. Rugosa rose. Accessed 2015 Jul 16. Available from https://www.eddmaps.org/ipane/ipanespecies/shrubs/Rosa rugosa.htm
- **Irish JL, Lynett PJ, Weiss R, Smallegan SM, Cheng W. 2013.** Buried Relic Seawall Mitigates Hurricane Sandy's Impacts. Coastal Engineering (80), pgs 79-82.
- **Kaufman K. Date unknown.** Audubon guide to North American birds. https://www.audubon.org/field-guide/bird/least-tern and https://www.audubon.org/field-guide/bird/common-tern
- **Kelly JF. 2014.** Effects of human activities (raking, scraping, off-road vehicles) and natural resource protection on the spatial distribution of beach vegetation and related shoreline features in New Jersey. Journal of Coastal Conservation 18(4): 383-398.
- **King K, Henson J.** USDA plant guide. Virginia creeper (*Parthenocissus quinquefolia L*) Planch. Accessed 2015 Jul 16. Available from http://plants.usda.gov/plantguide/pdf/pg_paqu2.pdf
- Koske RE, Gemma JN, Corkidi L, Sigüenza C, Rincón E. 2004. Arbuscular mycorrhizas in coastal dunes. In: Martinez ML, Psuty NP (editors), Coastal dunes ecology and conservation. Ecological Studies 171:173-184.
- **Lathrop RG, Love A. 2007.** Vulnerability of New Jersey's coastal habitats to sea level rise. Grant F. Wilson Center for Remote Sensing & Spatial Analysis, Rutgers University.

- **Loegering JP, Fraser JD. 1995.** Factors affecting piping plover chick survival in different brood-rearing habitats. Journal of Wildlife Management 59:646-655.
- **Manohar M, Bruun P. 1970.** Mechanics of dune growth by sand fences. Dock and Harbor Authority 51(600): 243-252.
- **Maun MA. 2004.** Burial of plants as a selective force in sand dunes. In: Martinez ML, Psuty NP (editors), Coastal dunes ecology and conservation. Ecological Studies 171:191-133.
- **Maun MA and Lapierre J. 1984.** The effects of burial by sand on Ammophila brevigulata. Journal of Ecology 72: 827-839
- **Mauriello MN. 1989.** Dune maintenance and enhancement: A New Jersey example. Coastal Zone 89. ASCE, 1023-1037.
- **Maslo B, Handel SL, Pover T.** Restoring beaches for Atlantic coast piping plovers (*Charadrius melodus*): A classification and regression tree analysis of nest-site selection. Restoration Ecology 19(201): 194-204.
- Mass.gov. 2015. Coastal landscaping Plant highlights and images. Accessed 2015 Jul 16. Available from http://www.mass.gov/eea/agencies/czm/program-areas/stormsmart-coasts/coastal-landscaping/plant-highlights.html
- **Meyers C. Date unknown.** Black skimmer, Rynchops niger. Accessed 2015 Jul 16. Available from http://www.njfishandwildlife.com/ensp/pdf/end-thrtened/blkskimmer.pdf
- **Miller C, Peterson JS. 2006.** Plant guide: American beachgrass, *Ammophila breviligulata* Fern. Somerset (NJ): U.S. Department of Agriculture, NCRS, 3pp.
- Miller KG, Browning JM, Mountain GS, Sheridan RE, Sugarman PJ, Glenn S, Christensen BA. 2014. Continental shelf sedimentation on the mid-Atlantic U.S. margin: Evaluating the last glacioeustatic cycle with a 100 myr perspective. Geological Society of London Special Publication.
- Miller KG, Kopp RE, Horton BP, Browning JV, Kemp AC. 2013. A geological perspective on sea-level rise and its impacts along the U.S. mid-Atlantic coast. Earth's Future 1(1):3-18.
- Nacem S. 1998. Species redundancy and ecosystem reliability. Conservation Biology 12(1):39-45.
- [NHESP] Natural Heritage & Endangered Species Program. Massachusetts Division of Fisheries & Wildlife. 2015. Sea-beach knotweed polygonum glaucum. Accessed 2015 Jul 16. Available from http://www.mass.gov/eea/doc/dfg/nhesp/species-and-conservation/nhfacts/polygonum-glaucum.pdf
- **Nickerson NH, Thibodeau FR. 1983.** Destruction of *Ammophila breiligulata* by pedestrian traffic: Quantification and control. Biological Conservation 27:277-287.
- N.J.A.C. 7:7E Coastal zone management rules. 2013. Available from http://www.nj.gov/dep/rules/rules/njac7 7e.pdf
- **NJ State Library. 2012.** New Jersey library services and technology act plan 2013 2017. Accessed 2015 Jul 16. Available from http://www.imls.gov/assets/1/AssetManager/NJplan2012.pdf
- Nordstrom KF. 2000. Beaches and dunes of developed coasts. Cambridge (UK): Cambridge University Press.
- **Nordstrom KF, Mauriello MN. 2001.** Restoring and maintaining naturally functioning landforms and biota on intensively developed barrier islands under a no-retreat alternative. Shore and Beach 69(3): 19-28.

- [NPS] National Park Service. 2015. Ghost crab. Accessed 2015 Jul 16. Available from http://www.nps.gov/pais/learn/nature/ghost_crab.htm
- [NYNHP] New York Natural Heritage Program. 2013. Online conservation guide for brackish interdunal swales. Accessed 2015 Jul 16. Available from http://www.acris.nynhp.org/guide.php?id=9864
- **O'Connell J. 2008.** Coastal dune protection and restoration, using 'Cape' American beachgrass and fencing. Woods Hole Sea Grant and Barnstable County Cooperative Extension Service.
- Peterson G, Allen CR, Holling CS. 1998. Ecological resilience, biodiversity, and scale. Ecosystems 1(1): 6-18.
- **Pronio MA. 1989.** Distribution, community ecology and local spread of *Carex kobomugi* (Japanese sedge) at Island Beach State Park, New Jersey. Masters Thesis. Rutgers University, 90pp.
- **Psuty NP. 1990.** Foredune mobility and stability, Fire Island, New York. In: Nordstrom KF, Psuty NP, and Carter B (editors), Coastal dunes: Form and process. Chapter 8. Chichester: John Wiley & Sons; p.159-176.
- **Psuty NP, Ofiara DD. 2002.** Coastal hazard management: Lessons and future directions from New Jersey. New Brunswick (NJ): Rutgers University Press.
- **Rogers S**, Nash D. 2003. The dune book. Raleigh (NC): North Carolina Sea Grant. Pub. No: UNC-SG-03-03; 28 pp. Available from http://www.seagrant.umaine.edu/files/chg/RogersNashdune_booklet.pdf
- **Safina C, Burger J. 1983.** Effects of human disturbance on reproductive success in the black skimmer. Condor 85:164-171.
- **Seymour AS, Harris S, White PCL. 2004.** Potential effects of reserve size on incidental nest predation by red foxes Vulpes vulpes. Ecological Modelling 175:101-114.
- **Shisler JK, Wargo RN, Jordan RA. 1987.** Evaluation of Japanese sedge, Carex kobomugi, for use in coastal dune planting and stabilization. New Jersey Agriculture Experiment Station. Pub. No. P-40502-03-87.
- **Shure DJ. 1970**. Ecological relationships of small mammals in a New Jersey barrier beach habitat. J Mammology 51(2): 267-278.
- **Skaradek W, Miller C, Hocker P. 2003.** Beachgrass planting guide for municipalities and volunteers. Cape May (NJ): US Department of Agriculture, Cape May Plant Materials Center; 4pp.
- **Slaymaker DH, Peek M, et al. 2014.** Genetic structure of native and restored populations of American beachgrass (*Ammophila breviligulata* Fern.) along the New Jersey coast. Journal of Coastal Research 31(6): 1334-1343.
- Sheetpile installation [digital image]. 2014. How are the Route 35, steel wall projects going in Brick? Brick Shorebeat 2014 Oct 17. Available from http://brick.shorebeat.com/2014/10/how-are-the-route-35-steel-wall-projects-going-in-brick/
- **Steinback J, Ginsberg H. Date unknown.** The effect of off-road vehicles on barrier beach invertebrates of the temperate Atlantic coast, U.S.A. Available from http://www.nps.gov/caco/learn/nature/upload/Steinback-Ginsberg-ORVeffects-DRAFT.pdf
- **TenCate. 2012.** TenCate geotubes help mitigate devastation of Hurricane Sandy [digital image]. Public & Governmental Relations. TenCate.com. Available from http://www.tencate.com/amer/public-and-government-relations/news/tencate-geotubes-help-mitigate-devastation-of-hurricane-sandy.aspx

- **Tober D, Jensen N. 2013.** Plant guide for little bluestem (Schizachyrium scoparium). USDA Natural Resources Conservation Service, Plant Materials Center, Bismarck, ND. Pub. No. 58501.
- Tratalos JA, Sugden R, Bateman IJ, Gill JA, Jones AP, Showler DA, Sutherland WJ, Watkinson AR. 2013. The conflict between conservation and recreation when visitors dislike crowding: A theoretical and empirical analysis of the spatial distribution of recreational beach users. Environmental and Resource Economics 55:447-465.
- **U.S. Army Corps of Engineers. 2002.** Coastal Engineering Manual (CEM), Engineer Manual 1110-2-1100, U.S. Army Corps of Engineers, Washington, D.C. (6 volumes)
- **U.S. Climate Change Science Program. 2009.** Coastal sensitivity to sea-level rise: A focus on the Mid-Atlantic region. Climate Change Science Program synthesis and assessment product 4.1. Reston (VA): U.S. Geological Survey.
- [UKREATE] UK Research on Eutrophication and Acidification on Terrestrial Ecosystems. 2010. The impacts of acid and nitrogen deposition on sand dune habitats. Accessed 2015 Jul 16. Available from http://ukreate.defra.gov.uk/PDFs/Leaflets/coastal%20grasslands.pdf
- [USDA] United States Department of Agriculture. 2002. Plant fact sheet: Beach Plum. *Prunus maritima* Marsh. Accessed 2016 Jul 5. Available from https://plants.usda.gov/factsheet/pdf/fs prma2.pdf
- [USDA] United States Department of Agriculture. 2006a. Plant fact sheet: American beachgrass. Accessed 2015 Jul 16. Available from http://plants.usda.gov/factsheet/pdf/fs ambr.pdf
- [USDA] United States Department of Agriculture. 2006b. Plant fact sheet: Coastal panicgrass panicum amerum Ell var amarulum (AS Hitch. & Chase) P.G. Palmer. Accessed 2015 Jul 16. Available from http://plants.usda.gov/factsheet/doc/fs_paama2.docx
- [USDA] United States Department of Agriculture. 2012. Release brochure for Monarch germplasm seaside goldenrod (*Solidago sempervirens L.*). Available from http://www.nrcs.usda.gov/Internet/FSE PLANTMATERIALS/publications/njpmcrb12132.pdf
- [USDA] United States Department of Agriculture. 2014. Release brochure for American beachgrass 'Cape' (*Ammophila brevligulata*). Available from http://www.nrcs.usda.gov/Internet/FSE_PLANTMATERIALS/publications/njpmcrb12116.pdf
- [USDA FS] United States Department of Agriculture, Forest Service. [n.d.] *Juniperus virginiana* L. Eastern redcedar. Accessed 2015 Jul 16. Available from http://www.na.fs.fed.us/pubs/silvics manual/Volume 1/juniperus/virginiana.htm
- [US FWS] U.S. Fish and Wildlife Service. 1994. Northeastern beach tiger beetle (*Cinindela dorsalis dorsalis*) recovery plan. Hadley (MA): U.S. Fish and Wildlife Service.
- [US FWS] U.S. Fish and Wildlife Service. 2005. Biological opinion on the effects of Federal beach nourishment activities along the Atlantic Coast of New Jersey within the U.S. Army Corps of Engineers, Philadelphia District on the piping plover (Charadrius melodus) and seabeach amaranth (Amaranthus pumilus). New Jersey Field Office, Pleasantville.
- [US FWS NJ] U.S. Fish and Wildlife Service, New Jersey Field Office. 2007. Final 2004 2005 year-end survey and monitoring report for the federally listed (threatened) plant seabeach amaranth (*Amaranthus pumilus*), Sea Bright to Manasquan, Monmouth County, New Jersey. Pleasantville (NJ): U.S. Fish and Wildlife Service; 54pp + appendices.

- [US FWS NJ] U.S. Fish and Wildlife Service, New Jersey Field Office. 2014. Northeastern beach tiger beetle (*Cinindela dorsalis*). Available from http://www.fws.gov/northeast/njfiedoffice/endangered/tigerbeetle.html
- [US FWS NJ] U.S. Fish and Wildlife Service, New Jersey Field Office. 2015. Piping plover (*Charadrius melodus*) [threatened]. Available from http://www.fws.gov/northeast/njfiedoffice/endangered/plover.html
- [US FWS NJ] U.S. Fish and Wildlife Service, New Jersey Field Office. [date unknown]. Endangered plants of New Jersey fact sheet: Sea-beach amaranth (*Amaranthus pumilus Rafinesque*). Accessed 2015 Jul 16. Available from http://www.fws.gov/northeast/njfiedoffice/pdf/sbanjfact.pdf
- Vanek J. 2014. Eastern hog nosed snake *Heterodon platirhinos*. Accessed 2015 Jul 16. Available from http://herpersguide.com/eastern-hog-nosed-snake-heterodon-platirhinos
- **Walling K. 2015.** Comparison of the damage mechanisms to oceanfront structures protected by a beach and dune system with vs. without a rock seawall during seawall during Hurricane Sandy. Stevens Institute of Technology, Department of Civil Environmental and Ocean Engineering Masters Thesis, Hoboken, NJ.
- **Walling K, Miller J, Herrington T, Eble A. 2014.** Comparison of hurricane Sandy impacts in three New Jersey coastal communities. Coastal Engineering Proceedings 34.
- Weakley A, Bucher M. 1992. Status survey of seabeach amaranth (*Amaranthus pumilus Rafinesque*) in North and South Carolina, second edition (after Hurricane Hugo). Asheville (NC): Report to North Carolina Plant Conservation Program, North Carolina Department of Agriculture, Raleigh, North Carolina, and Asheville Field Office, U.S. Fish and Wildlife Service, 149pp.
- Webb CT. 2007. What is the role of ecology in understanding ecosystem resilience? Bioscience 57(6):470-471.
- **Wetlands Institute. 2003.** Spread rate and changes in species diversity associated with the introduced Asiatic sand sedge, *Carex kobomugi*, in New Jersey coastal dune communities. 5-page extended abstract. Coastal Zone 2003 Conference Proceedings.
- Wootton LS. 2007. First observation of *Carex macrocephala* on the Atlantic coast of North America. Journal of the Torrey Botanical Society 134(1): 126-134.
- **Wootton LS, Halsey S, Bevaart K, McGough A, Ondreika J, Patel P. 2005.** When invasive species have benefits as well as costs: Managing *Carex kobomugi* (Asiatic sand sedge) in New Jersey's coastal dunes. Biological Invasions 7:1017-1027.