

Sunrise Wind - Appendix K: References Cited

Table of Contents

Table of Contents.....	K-ii
Appendix K: References Cited.....	K-1
1.1 Chapter 1	K-1
1.2 Chapter 2	K-2
1.3 Chapter 3	K-2
1.3.1 Section 3.1 – Impact Producing Factors	K-2
1.3.2 Air Quality	K-2
1.3.3 Water Quality.....	K-5
1.3.4 Bats	K-9
1.3.5 Benthic Resources.....	K-11
1.3.6 Birds	K-16
1.3.7 Coastal Habitat and Fauna.....	K-22
1.3.8 Finfish, Invertebrates, and Essential Fish Habitat.....	K-25
1.3.9 Marine Mammals.....	K-37
1.3.10 Sea Turtles	K-54
1.3.11 Wetlands and Other Waters of the United States.....	K-69
1.3.12 Commercial Fisheries and For-Hire Recreational Fishing	K-70
1.3.13 Cultural Resources	K-73
1.3.14 Demographics, Employment, and Economics	K-73
1.3.15 Environmental Justice.....	K-76
1.3.16 Land Use and Coastal Infrastructure	K-79
1.3.17 Navigation and Vessel Traffic	K-80
1.3.18 Other Uses (Marine Minerals, Military Use, Aviation, Scientific Research and Surveys) ...	K-81
1.3.19 Recreation and Tourism.....	K-83
1.3.20 Scenic and Visual Resources	K-85

Appendix K: References Cited

1.1 Chapter 1

- Bureau of Ocean Energy Management (BOEM). 2018. Draft guidance regarding the use of a project design envelope in a construction and operations plan. [accessed 2022 Jun 10]. <https://www.boem.gov/sites/default/files/renewable-energy-program/Draft-Design-Envelope-Guidance.pdf>.
- Bureau of Ocean Energy Management (BOEM). 2019. National Environmental Policy Act documentation for impact-producing factors in the offshore wind cumulative impacts scenario on the North Atlantic outer continental shelf. OCS Study BOEM 2019-036. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. [accessed 2022 Jun 10]. <https://www.boem.gov/sites/default/files/environmental-stewardship/Environmental-Studies/Renewable-Energy/IPFs-in-the-Offshore-Wind-Cumulative-Impacts-Scenario-on-the-N-OCS.pdf>.
- Bureau of Ocean Energy Management (BOEM). 2021. Notice of intent to prepare an environmental impact statement for the proposed Sunrise Wind Farm Project on the northeast Atlantic outer continental shelf. August 31, 2021. [accessed 2022 Jun 10]. <https://www.boem.gov/sites/default/files/documents/renewable-energy/state-activities/86-FR-48763.pdf>. Extension of Comment Period and Corrections. September 3, 2021. [accessed 2022 Jun 10]. <https://www.boem.gov/sites/default/files/documents/renewable-energy/state-activities/86-FR-49563.pdf>.
- Minerals Management Service (MMS). 2009. Renewable energy and alternate uses of existing facilities on the outer continental shelf. April 29, 2009. Federal Register 74:19638–19871. [accessed 2022 Jun 10]. <https://www.govinfo.gov/app/details/FR-2009-04-29/E9-9462>.
- New York State Energy Research and Development Authority (NYSERDA). 2019. Launching New York's offshore wind industry: phase 1 report. Report no. 19-41. [accessed 2022 Jun 29]. <https://docslib.org/doc/7563888/launching-new-yorks-offshore-wind-industry-phase-1-report>.
- Sunrise Wind. 2021. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. October 2021. 998 p.
- Sunrise Wind. 2022. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.

1.2 Chapter 2

- Bureau of Ocean Energy Management (BOEM). 2018. Draft guidance regarding the use of a project design envelope in a construction and operations plan. [accessed 2022 Jun 10]. <https://www.boem.gov/sites/default/files/renewable-energy-program/Draft-Design-Envelope-Guidance.pdf>.
- Sunrise Wind. 2021. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. October 2021. 998 p.
- Sunrise Wind. 2022. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.
- U.S. Geological Survey. 2022. GNIS: Geographic Names Information System: Digital Gazetteer. Reston, VA. U.S. Geological Survey, National Mapping Division.

1.3 Chapter 3

1.3.1 Section 3.1 – Impact Producing Factors

- Bureau of Ocean Energy Management (BOEM). 2017. Evaluating benefits of offshore wind energy projects in NEPA. July. BOEM 2017-048. [accessed 2022 June 15]. <https://www.boem.gov/sites/default/files/environmental-stewardship/Environmental-Studies/Renewable-Energy/Final-Version-Offshore-Benefits-White-Paper.pdf>.
- Bureau of Ocean Energy Management (BOEM). 2019. National Environmental Policy Act documentation for impact-producing factors in the offshore wind cumulative impacts scenario on the North Atlantic outer continental shelf. OCS Study BOEM 2019-036. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. [accessed 2022 Jun 10]. <https://www.boem.gov/sites/default/files/environmental-stewardship/Environmental-Studies/Renewable-Energy/IPFs-in-the-Offshore-Wind-Cumulative-Impacts-Scenario-on-the-N-OCS.pdf>.

1.3.2 Air Quality

- Barthelmie RJ, Pryor SC. 2021. Climate Change Mitigation Potential of Wind Energy. *Climate* 9(9):136.
- Commonwealth of Massachusetts. 2022a. Appendix C: Massachusetts annual greenhouse gas emissions inventory: 1990-2017, with Partial 2018 & 2019 data. [accessed 2022 Feb 14]. <https://www.mass.gov/lists/massdep-emissions-inventories#greenhouse-gas-baseline,-inventory-&-projection->.
- Commonwealth of Massachusetts. 2022b. GHG emissions and mitigation policies. [accessed 2022 Feb 14]. <https://www.mass.gov/info-details/ghg-emissions-and-mitigation-policies#greenhouse-gas-emissions-trends->.

- Commonwealth of Massachusetts. 2022c. Designations & attainment. [accessed 2022 Feb 14]. <https://www.mass.gov/service-details/designations-attainment>.
- Connecticut Department of Energy and Environmental Protection (CT DEEP). 2016. Attainment and nonattainment of the national ambient air quality standards in Connecticut. [accessed 2022 Feb 14]. <https://portal.ct.gov/DEEP/Air/Attainment-of-the-National-Ambient-Air-Quality-Standards>.
- Connecticut Department of Energy and Environmental Protection (CT DEEP). 2018 Connecticut greenhouse gas emissions inventory. 13 p. [accessed 2022 Feb 14]. https://portal.ct.gov/-/media/DEEP/climatechange/GHG_Emissions_Inventory_2018.pdf.
- Katzenstein W, Apt J. 2009. Air emissions due to wind and solar power. *Environmental Science and Technology* 43(2):253–258.
- Maryland Department of the Environment (MD DE). 2019. State of Maryland 2017 greenhouse gas emission inventory documentation. Baltimore (MD). 149 p. [accessed 2022 Feb 14]. <https://mde.maryland.gov/programs/air/ClimateChange/Documents/MD%202017%20Periodic%20GHG%20Emissions%20Inventory%20Documentation.pdf>.
- Massachusetts Department of Environmental Protection (MA DEP). 2018. Certification of adequacy of the Massachusetts state implementation plan to meet the nonattainment new source review requirements of the Clean Air act for the 2008 ozone national ambient air quality standards for Dukes County. Boston (MA). 10 p. [accessed 2022 Feb 15]. <https://www.mass.gov/doc/nonattainment-new-source-review-sip-for-the-2008-ozone-standard-february-2018/download>.
- National Park Service (NPS). 2018. National parks and the Clean Air Act. [accessed 2022 Jan 24]. <https://www.nps.gov/subjects/air/cleanairact.htm>.
- National Park Service (NPS). 2020. Air quality Fire Island. [accessed 2022 Jan 24]. <https://www.nps.gov/fiis/learn/nature/airquality.htm>.
- New Jersey Department of Environmental Protection (NJ DEP). 2021. New Jersey greenhouse gas inventory mid-cycle update report. 6 p. [accessed 2022 Feb 14]. https://www.nj.gov/dep/aqes/ghgarchive/MCU%20GHG%20Inventory_2021.pdf.
- New Jersey Department of Environmental Protection (NJ DEP). 2022a. 2020 New Jersey global warming response act 80x50 report. [accessed 2022 Feb 14]. <https://www.nj.gov/dep/climatechange/mitigation.html>.
- New Jersey Department of Environmental Protection (NJ DEP). 2022b. Attainment area status. [accessed 2022 Feb 14]. <https://www.state.nj.us/dep/baqp/aas.html>.
- New York State (NYS). 2022. The Climate Leadership and Community Protection Act. [accessed 2022 Feb 14]. <https://climate.ny.gov/Our-Climate-Act>.
- New York State Department of Environmental Conservation (NYSDEC). 2021. 2021 statewide GHG emissions report. 31 p. [accessed 2022 Feb 14]. https://www.dec.ny.gov/docs/administration_pdf/ghgsumrpt21.pdf.

- Rhode Island Department of Environmental Management (RI DEM). 2021. Greenhouse gas emissions inventory. [accessed 2022 Feb 14]. <http://www.dem.ri.gov/programs/air/ghg-emissions-inventory.php>.
- Sunrise Wind. 2021. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. October 2021. 998 p.
- Sunrise Wind. 2022. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.
- United States Environmental Protection Agency (USEPA). 2021a. NAAQS table. Washington DC. [accessed 2022 Jan 24]. <https://www.epa.gov/criteria-air-pollutants/naaqs-table>.
- United States Environmental Protection Agency (USEPA). 2021b. NAAQS designations process. Washington DC. [accessed 2022 Jan 06]. <https://www.epa.gov/criteria-air-pollutants/naaqs-designations-process>.
- United States Environmental Protection Agency (USEPA). 2021c. Overview of greenhouse gases. Washington DC. [accessed 2022 Jan 24]. <https://www.epa.gov/ghgemissions/overview-greenhouse-gases>.
- United States Environmental Protection Agency (USEPA). 2021d. Sulfur hexafluoride (SF₆) basics. Washington DC. [accessed 2022 Jan 24]. <https://www.epa.gov/eps-partnership/sulfur-hexafluoride-sf6-basics>.
- United States Environmental Protection Agency (USEPA). 2021e. Inventory of U.S. greenhouse gas emissions and sinks 1990-2019. Report No. EPA 430-R-21-005; 791 p. [accessed 2022 Jan 24]. <https://www.epa.gov/ghgemissions/inventory-us-greenhouse-gas-emissions-and-sinks-1990-2019>.
- United States Environmental Protection Agency (USEPA). 2021f. Outer continental shelf air permits. Washington DC. [accessed 2022 Feb 14]. <https://www.epa.gov/caa-permitting/outer-continental-shelf-air-permits>.
- United States Environmental Protection Agency (USEPA). 2021g. Nonattainment NSR basic information. Washington DC. [accessed 2022 Jan 24]. <https://www.epa.gov/nsr/nonattainment-nsr-basic-information>.
- United States Environmental Protection Agency (USEPA). 2021h. Prevention of significant deterioration basic information. Washington DC. [accessed 2022 Jan 24]. <https://www.epa.gov/nsr/prevention-significant-deterioration-basic-information>.
- United States Environmental Protection Agency (USEPA). 2021i. Nonattainment areas for criteria pollutants (Green Book). Washington DC. [accessed 2022 Jan 19]. <https://www.epa.gov/green-book>.

- United States Environmental Protection Agency (USEPA). 2021j. General conformity de minimus tables. Washington DC. [accessed 2022 Jan 24]. <https://www.epa.gov/general-conformity/de-minimis-tables>.
- United States Environmental Protection Agency (USEPA). 2021k. Greenhouse gas inventory data explorer. Washington DC. [accessed 2022 Feb 14]. <https://cfpub.epa.gov/ghgdata/inventoryexplorer/#allsectors/allsectors/allgas/gas/all>.
- United States Environmental Protection Agency (USEPA). 2022a. 2017 National emissions inventory (NEI) data. Washington DC. [accessed 2022 Feb 14]. <https://www.epa.gov/air-emissions-inventories/2017-national-emissions-inventory-nei-data>.
- United States Environmental Protection Agency (USEPA). 2022b. What are hazardous air pollutants? Washington DC. [accessed 2022 Feb 14]. <https://www.epa.gov/haps/what-are-hazardous-air-pollutants>.
- United States Environmental Protection Agency (USEPA). 2022c. List of areas protected by the regional haze program. [accessed 2022 Jul 15]. <https://www.epa.gov/visibility/list-areas-protected-regional-haze-program>.
- United States Environmental Protection Agency USEPA. 2022d. CO-benefits risk assessment health impacts screening and mapping tool (COBRA). [accessed 2022 Jul 17]. <https://cobra.epa.gov/>.
- Virginia Department of Environmental Quality (VDEQ). 2021. Greenhouse gases. [accessed 2022 Feb 14]. <https://www.deq.virginia.gov/air/greenhouse-gases>.

1.3.3 Water Quality

- Bathis WL, Hyland JL, Fulton MH, Wirth EF, Kiddon JA, Macauley J. 2009. Ecological condition of coastal ocean waters along the U.S. Mid-Atlantic Bight: 2006. Silver Spring (MD): National Oceanic and Atmospheric Administration. 82 p. NOAA Technical Memorandum NOS NCCOS 109, EPA 600/R-09/159. [accessed 2022 Jan 25]. <https://repository.library.noaa.gov/view/noaa/9296>.
- Bejarana AC, Michel J, Rowe J, Li Z, French McCay D, Schmidt Etkin D. 2013. Environmental risks, fate, and effects of chemicals associated with wind turbines on the Atlantic outer continental shelf. Herndon (VA): U.S. Department of the Interior, Bureau of Ocean Energy Management. 355 p. Report No.: OCS Study BOEM 2013-213. [accessed 2022 Jan 06]. <https://esis.boem.gov/final%20reports/5330.pdf>.
- Bureau of Ocean Energy Management (BOEM). 2013. Commercial wind lease issuance and site assessment activities on the Atlantic outer continental shelf offshore Rhode Island and Massachusetts. Revised environmental assessment. U.S. Department of the Interior, Bureau of Ocean Energy Management. 417 p. Report No. OCS EIA/EA BOEM 2013-1131.
- Carpenter JR, Merckelback L, Callies U, Clark S, Gaslikova L, Baschek B. 2016. Potential impact of offshore wind farms on North Sea stratification. PLoS ONE 11(8): e0160830. [accessed 2022 Feb 16]. <https://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0160830&type=printable>.

- Cazenave PW, Torres R, Allen JI. 2016. Unstructured grid modelling of offshore wind farm impacts on seasonally stratified shelf seas. *Progress in Oceanography* 145 (2016) 25-41. [accessed 2022 Feb 16]. <https://www.sciencedirect.com/science/article/pii/S0079661115300379>.
- Codiga DL, Ullman DS. 2011. Characterizing the physical oceanography of coastal waters off Rhode Island, Part 1: Literature review, available observations, and a representative model simulation. Prepared for the Rhode Island Ocean Special Area Management Plan. Volume 2: technical reports. 170 p. [accessed 2022 Jan 25]. http://www.crmc.ri.gov/samp_ocean.html.
- Connecticut Department of Energy and Environmental Protection (CT DEEP). 2020 Integrated water quality report. Hartford (CT): Bureau of Water Protection and Land Reuse. 62 p. [accessed 2022 Mar 03]. https://portal.ct.gov/media/DEEP/water/water_quality_management/305b/2020/2020IWQRFinal.pdf.
- Johnson TL, van Berkel JJ, Mortensen LO, Bell MA, Tiong I, Hernandez B, Snyder DB, Thomsen F, Svenstrup Petersen O. 2021. Hydrodynamic modeling, particle tracking and agent-based modeling of larvae in the U.S. mid-Atlantic bight. Lakewood (CO): US Department of the Interior, Bureau of Ocean Energy Management. OCS Study BOEM 2021-049. 232 p.
- Kirchgeorg T, Weinberg I, Hornig M, Baier R, Schmid MJ, Brockmeyer B. 2018. Emissions from corrosion protection systems of offshore wind farms: evaluation of the potential impact on the marine environment. *Marine Pollution Bulletin* 136. 257-268. <https://doi.org/10.1016/j.marpolbul.2018.08.05>
- Massachusetts Department of Environmental Protection (MA DEP). 2020. Final 2018/2020 integrated list of waters. Worcester (MA). 225 p. [accessed 2022 Mar 03]. <https://www.mass.gov/doc/final-massachusetts-integrated-list-of-waters-for-the-clean-water-act-20182020-reporting-cycle/download>.
- Middleton P, Barnhart B. 2022. Supporting National Environmental Policy Act Documentation for Offshore Wind Energy Development Related to High Voltage Direct Current Cooling Systems. Washington (DC): U.S. Department of the Interior, Bureau of Ocean Energy Management. OCS Study BOEM 2022-023. 13 p.
- National Oceanic and Atmospheric Administration (NOAA). 2021. Bringing ocean data to your fingertips. [accessed 2022 Jan 25]. <https://oceanservice.noaa.gov/ocean/ocean-reports/>.
- New Jersey Department of Environmental Protection (NJ DEP). 2022. Water quality assessment Lower Delaware Water Region (2018 Integrated Report). [updated 2022 Jan 07; accessed 2022 Mar 03]. <https://www.nj.gov/dep/wms/bears/assessment.htm>.
- New York Codes, Rules, and Regulations (NYCRR). 2021a. Classifications and standards of quality and purity assigned to fresh surface and tidal salt waters within Great South Bay (Easterly Section) drainage basin. Title 6, Chapter X, Subchapter B, Article 16, Part 922. [accessed 2022 Jan 26]. [https://govt.westlaw.com/nycrr/Document/I4ee03005cd1711dda432a117e6e0f345?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=\(sc.Default\)](https://govt.westlaw.com/nycrr/Document/I4ee03005cd1711dda432a117e6e0f345?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=(sc.Default)).

- New York Codes, Rules, and Regulations (NYCRR). 2021b. Class SA saline surface waters. Title 6, Chapter X, Subchapter A, Article 2, Part 701. [accessed 2022 Jan 26].
[https://govt.westlaw.com/nycrr/Document/I4ed840c2cd1711dda432a117e6e0f345?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=\(sc.Default\)&bhcp=1](https://govt.westlaw.com/nycrr/Document/I4ed840c2cd1711dda432a117e6e0f345?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=(sc.Default)&bhcp=1).
- New York Codes, Rules, and Regulations (NYCRR). 2021c. Narrative water quality standards. Title 6, Chapter X, Subchapter A, Article 2, Part 703.2. [accessed 2022 Jan 26].
[https://govt.westlaw.com/nycrr/Document/I4ed8dd14cd1711dda432a117e6e0f345?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=\(sc.Default\)](https://govt.westlaw.com/nycrr/Document/I4ed8dd14cd1711dda432a117e6e0f345?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=(sc.Default)).
- New York Codes, Rules, and Regulations (NYCRR). 2021d. Water quality standards for pH, dissolved oxygen, dissolved solids, odor, color, and turbidity. Title 6, Chapter X, Subchapter A, Article 2, Part 703.3. [accessed 2022 Jan 26].
[https://govt.westlaw.com/nycrr/Document/I4ed90412cd1711dda432a117e6e0f345?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=\(sc.Default\)](https://govt.westlaw.com/nycrr/Document/I4ed90412cd1711dda432a117e6e0f345?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=(sc.Default)).
- New York Codes, Rules, and Regulations (NYCRR). 2021e. Class C fresh surface waters. Title 6, Chapter X, Subchapter A, Article 2, Part 701. [accessed 2022 Jan 26].
[https://govt.westlaw.com/nycrr/Document/I4ed819c1cd1711dda432a117e6e0f345?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=\(sc.Default\)](https://govt.westlaw.com/nycrr/Document/I4ed819c1cd1711dda432a117e6e0f345?viewType=FullText&originationContext=documenttoc&transitionType=CategoryPageItem&contextData=(sc.Default)).
- New York State Department of Environmental Conservation (NYSDEC). 2008. Carmans River biological assessment, 2008 Survey. Albany (NY): Stream Biomonitoring Unit, Bureau of Water Assessment and Management. 50 p. [accessed 2022 Jan 26].
<https://nysl.ptfs.com/data/Library1/Library1/pdf/988334658.pdf>.
- New York State Department of Environmental Conservation (NYSDEC). 2021a. Carmans River, upper, and tribs (Segment ID 1701-0102), waterbody segment assessment factsheet based on the 2021 CALM. [accessed 2022 Feb 18]. <https://www.dec.ny.gov/data/WQP/PWL/1701-0102.html?req=70900>.
- New York State Department of Environmental Conservation (NYSDEC). 2021b. Great South Bay, East (Segment ID 1701-0039), waterbody segment assessment factsheet based on the 2021 CALM. [accessed 2022 Feb 18]. <https://www.dec.ny.gov/data/WQP/PWL/1701-0039.html?req=51032>.
- New York State Department of Environmental Conservation (NYSDEC). 2022a. Atlantic Ocean/Long Island Sound watershed. [accessed 2022 Jan 26]. <https://www.dec.ny.gov/lands/48375.html>.
- New York State Department of Environmental Conservation (NYSDEC). 2022b. NYS section 303(d) list of impaired/TMDL waters: Draft 2020-2022 Clean Water Act section 303(d) list of impaired waters. [accessed 2022 Feb 18]. <https://www.dec.ny.gov/chemical/31290.html>.
- Rhode Island Department of Environmental Management (RI DEM). 2022. Integrated water quality monitoring and assessment reporting. Draft 2022 303(d) list. Providence (RI); Office of Water

- Resources. 76 p. [accessed 2022 Mar 03].
<http://www.dem.ri.gov/programs/benviron/water/quality/pdf/303d22.pdf>.
- Suffolk County Department of Health Services (SCDHS). 2020. Suffolk County subwatersheds wastewater plan. 842 p. [accessed 2022 Feb 18].
<https://suffolkcountyny.gov/Portals/0/formsdocs/planning/CEQ/2020/SWP%20FINAL%20July%202020.pdf>.
- Sunrise Wind. 2021. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. October 2021. 998 p.
- Sunrise Wind. 2022. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.
- Town of Brookhaven. 2013. Draft generic environmental impact statement for the Carmans River conservation and management plan. Volume 1. 80 p. [accessed 2022 Jan 26].
<https://www.brookhavenny.gov/DocumentCenter/View/987/Carmans-River-Conservation-and-Management-Plan-DGEIS-PDF>.
- TRC Companies, Inc. (TRC). 2021. NPDES permit application. Sunrise Wind offshore converter station. December 2021.
- Trout Unlimited Long Island Chapter (TU). 2022. Carmans River. [accessed 2022 Jan 26].
<http://www.longislandtu.org/carmans-river.html>.
- United States Environmental Protection Agency (USEPA). 2012. National coastal condition report IV. Washington DC; [accessed 2022 Feb 18]. <https://www.epa.gov/national-aquatic-resource-surveys/national-coastal-condition-report-iv-2012>.
- United States Environmental Protection Agency (USEPA). 2021a. Map of sole source aquifer locations. Washington DC; [accessed 2022 Feb 18]. <https://www.epa.gov/dwssa/map-sole-source-aquifer-locations>.
- United States Environmental Protection Agency (USEPA). 2021b. Ocean disposal map. Washington DC; [accessed 2022 Jan 28]. <https://www.epa.gov/ocean-dumping/ocean-disposal-map>.
- United States Geological Survey (USGS). 2022. USGS 01305000 Carmans River at Yaphank, NY. Department of the Interior United States Geological Survey; [accessed 2022 Feb 18].
<https://waterdata.usgs.gov/usa/nwis/uv?01305000>.
- Woods Hole Group. 2021. Hydrodynamic and sediment transport modeling Sunrise Wind Farm Project. 137 p. Prepared for Sunrise Wind LLC. Revision 1- October 28, 2021.

1.3.4 Bats

- Bureau of Ocean Energy Management (BOEM). 2019. Vineyard Wind Offshore Wind Energy Project biological assessment: final. Sterling (VA): U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 55 p.
- Bureau of Ocean Energy Management (BOEM). 2021a. Appendix A: planned action offshore wind scenario and assessment of resources with minor impacts. Vineyard Wind 1 Offshore Wind Energy Project final environmental impact statement volume II. U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 182 p. Report No. BOEM 2021-0012.
- Bureau of Ocean Energy Management (BOEM). 2021b. Vineyard Wind 1 Offshore Wind Energy Project final environmental impact statement volume II. U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 642 p. Report No. BOEM 2021-0012.
- Davies TW, Bennie J, Gaston KJ. 2012. Street lighting changes the composition of invertebrate communities. *Biology Letters* 8(5):764-767. 10.1098/rsbl.2012.0216.
- Department of the Navy (DoN). 2018. Final environmental impact statement/overseas environmental impact statement. Hawaii-Southern California training and testing. United States Department of the Navy. 854 p.
- Dowling Z, Sievert PR, Baldwin E, Johnson L, Oettingen SV, Reichard J. 2017. Flight activity and offshore movements of nano-tagged bats on Martha's Vineyard, MA. Sterling, VA: U.S. Department of the Interior, Bureau of Ocean Energy Management. 43 p. Report No. BOEM 2017-054.
- Hatch SK, Connelly EE, Divoll TJ, Stenhouse IJ, Williams KA. 2013. Offshore observations of eastern red bats (*Lasiurus borealis*) in the mid-Atlantic United States using multiple survey methods. *PLOS ONE* 8(12):e83803.
- Luo J, Clarin BM, Borissov IM, Siemers BM. 2014. Are torpid bats immune to anthropogenic noise? *Journal of Experimental Biology* 217(7):1072-1078. 10.1242/jeb.092890.
- National Park Service (NPS). 2018. Threatened and endangered species. National Park Service, Fire Island National Seashore; [updated 2018 May 02; accessed 2022 Jun 09].
- Pelletier SK, Omland K, Watrous KS, Peterson TS. 2013. Information synthesis on the potential for bat interactions with offshore wind facilities – final report. Herndon (VA): U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 112 p. Report No.: BOEM 2013-01163.
- Peterson TS, Pelletier SK. 2016. Long-term bat monitoring on islands, offshore structures, and coastal sites in the Gulf of Maine, mid-Atlantic, and Great Lakes—final report. Prepared for U.S. Department of Energy by Stantec Consulting Services Inc. 171 p.
- Peurach SC. 2003. High-altitude collision between an airplane and a hoary bat, *Lasiurus cinereus*. *Bat Research News*. 44(1):2-3.

- Schaub A, Ostwald J, Siemers BM. 2008. Foraging bats avoid noise. *Journal of Experimental Biology* 211(19):3174-3180. 10.1242/jeb.037283.
- Shaylyn KH, Connelly EE, Divoll TJ, Stenhouse IJ, Williams KA. 2013. Offshore observations of eastern red bats (*Lasiurus borealis*) in the Mid-Atlantic United States using multiple survey methods. *PLoS ONE* 8(12):e83803.
- Sherwin HA, Montgomery WI, Lundy MG. 2013. The impact and implications of climate change for bats. *Mammal Review*. 43(3):171-182.
- Simmons AM, Hom KN, Warnecke M, Simmons JA. 2016. Broadband noise exposure does not affect hearing sensitivity in big brown bats (*Eptesicus fuscus*). *Journal of Experimental Biology*. 219(7):1031-1040. 10.1242/jeb.135319.
- Smith AD, McWilliams SR. 2016. Bat activity during autumn relates to atmospheric conditions: implications for coastal wind energy development. *Journal of Mammalogy*. 97(6):1565–1577. 10.1093/jmammal/gyw116.
- Solick DI, Newman CM. 2021. Oceanic records of North American bats and implications for offshore wind energy development in the United States. *Ecology and Evolution*. 11:14433– 14447.
- Stantec. 2016. Long-term bat monitoring on islands, offshore structures, and coastal sites in the Gulf of Maine, mid-Atlantic, and Great Lakes—final report. Topsham (ME): U.S. Department of Energy. 171 p.
- Stantec. 2018a. Avian and bat risk assessment for the construction and operations plan for South Fork Wind Farm. Topsham, Maine.
- Stantec. 2018b. Avian and bat risk assessment: South Fork Wind Farm and South Fork Export Cable. Prepared for Deepwater Wind South Fork, LLC, Providence, RI by Stantec Consulting Services Inc., Topsham, ME. 224 p.
- Stegemann E, Hicks A. n.d. Bats of New York. New York State Department of Environmental Conservation. 4 p.
- Sunrise Wind. 2021. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. October 2021. 998 p.
- Sunrise Wind. 2022. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.
- True MC, Reynolds RJ, Ford WM. 2021. Monitoring and modeling tree bat (Genera: *Lasiurus*, *Lasionycteris*) occurrence using acoustics on structures off the mid-Atlantic coast - implications for offshore wind development. *Animals*. 11. doi:10.3390/ani11113146.
- United States Fish and Wildlife Service (USFWS). 2021. ECOS: Indiana Bat (*Myotis sodalis*). [accessed 2022 Feb 16]. <https://ecos.fws.gov/ecp/species/5949>.

1.3.5 Benthic Resources

- AKRF, AECOM, Popper A. 2012. Essential fish habitat assessment for the Tappan Zee Hudson River Crossing Project, Rockland and Westchester Counties, New York and the Historic Area Remediation Site, New York Bight Apex.
- Albert L, Deschamps F, Jolivet A, Olivier F, Chauvaud L, Chauvaud S. 2020. A current synthesis on the effects of electric and magnetic fields emitted by submarine power cables on invertebrates. *Marine Environmental Research* 159:104958-104958. 10.1016/j.marenvres.2020.104958.
- Betke K, Glahn MS, Matuschek R. 2004. Underwater noise emissions from offshore wind turbines. In: Joint Congress CFA/DAGA; March 22-25; Strasbourg, France.
- Bokuniewicz HJ, Tanski JJ, Bocamazo L. 2011. Sand resources offshore of Long Island (NY). In: *Coastal Sediments*; May 2-6; Miami, Florida. 1021-1033 p.
- Brooks RA, Purdy CN, Bell SS, Sulak KJ. 2006. The benthic community of the Eastern U.S. continental shelf: a literature synopsis of benthic faunal resources. *Continental Shelf Research* 26:804-818. 10.1016/j.csr.2006.02.005.
- Bureau of Ocean Energy Management (BOEM). 2013. Commercial wind lease issuance and site assessment activities on the Atlantic outer continental shelf offshore Rhode Island and Massachusetts. Revised environmental assessment. U.S. Department of the Interior, Bureau of Ocean Energy Management. 417 p. Report No. OCS EIA/EA BOEM 2013-1131.
- Bureau of Ocean Energy Management (BOEM). 2015. Virginia offshore wind technology advancement project on the Atlantic outer continental shelf offshore Virginia revised environmental assessment. Sterling, Virginia: Report No. BOEM 2015-031.
- Bureau of Ocean Energy Management (BOEM). 2019. Guidelines for providing benthic habitat survey information for renewable energy development on the Atlantic outer continental shelf pursuant to 30 CFR part 585. 9 p. Sterling, Virginia.
- Carey DA, Wilber DH, Read LB, Guarinello ML, Griffin M, Sabo S. 2020. Effects of the Block Island Wind Farm on coastal resources: lessons learned. *Oceanography* 33(4):70-81. 10.5670/oceanog.2020.407.
- Carroll AG, Przeslawski R, Duncan A, Gunning M, Bruce B. 2016. A critical review of the potential impacts of marine seismic surveys on fish & invertebrates. *Marine Pollution Bulletin* 114(1):9-24. 10.1016/j.marpolbul.2016.11.038.
- Chen C, Beardsley RC, Qi J, Lin H. 2016. Use of finite-volume modeling and the Northeast coastal ocean forecast system in offshore wind energy resource planning. Sterling, Virginia: US Department of the Interior, Bureau of Ocean Energy Management. 131 p. Report No.: BOEM 2016-050.
- Chen Z, Curchitser E, Chant R, Kang D. 2018. Seasonal variability of the cold pool over the Mid-Atlantic Bight continental shelf. *Journal of Geophysical Research: Oceans* 123(11):8203-8226. 10.1029/2018JC014148.

- De Backer A, Hostens K. 2017. Effects of Belgian offshore wind farms on soft sediment epibenthos and fish: an updated time series. Brussels, Belgium: Royal Belgian Institute of Natural Sciences, OD Natural Environment, Marine Ecology and Management Section. 59-71 p.
- Degraer S, Brabant R, Rumes B, Vigin L. 2017. Environmental impacts of offshore wind farms in the Belgian part of the North Sea: marking a decade of monitoring, research and innovation. Brussels, Belgium: Royal Belgian Institute of Natural Sciences, OD Natural Environment, Marine Ecology and Management. 134 p.
- De Mesel I, Kerckhof F, Norro A, Rumes B, Degraer S. 2015. Succession and seasonal dynamics of the epifauna community on offshore wind farm foundations and their role as stepping stones for non-indigenous species. *Hydrobiologia* 756(1): pp. 37-50. 10.1007/s10750-014-2157-1.
- Dernie KM, Kaiser MJ, Warwick RM. 2003. Recovery rates of benthic communities following physical disturbance. *Journal of Annual Ecology* 72(6):1043-1056. 10.1046/j.1365-2656.2003.00775.x.
- Edmonds NJ, Firmin CJ, Goldsmith D, Faulkner RC, Wood DT. 2016. A review of crustacean sensitivity to high amplitude underwater noise: data needs for effective risk assessment in relation to UK commercial species. *Marine Pollution Bulletin* 108(1):5-11.
- Elliot J, Khan AA, Ying-Tsong L, Mason T, Miller JH, Newhall AE, Potty GR, Vigness-Raposa KJ. 2019. Field observations during wind turbine operations at the Block Island Wind Farm, Rhode Island. Sterling, Virginia: US Department of the Interior, Bureau of Ocean Energy Management. 281 p. Report No. BOEM 2019-028.
- Elliot J, Smith K, Gallien D, Khan A. 2017. Observing cable laying and particle settlement during the construction of the Block Island Wind Farm. Sterling, Virginia: US Department of the Interior, Bureau of Ocean Energy Management. 226 pp. Report No. BOEM 2017-027.
- Federal Geographic Data Committee (FGDC). 2012. Coastal and marine ecological classification standard. Reston, Virginia.
- Fortune IS, Paterson DM. 2020. Ecological best practice in decommissioning: a review of scientific research. *ICES Journal of Marine Science* 77(3):1079-1091. 10.1093/icesjms/fsy130.
- Fugro. 2019. Integrated geophysical and geotechnical site characterization report, South Fork Wind Farm and Export Cable, South Fork Wind Farm survey offshore NY/RI/MA Atlantic OCS. Report No. 02.1803-1431-02.
- Gardline J. 2021. Sunrise Wind Farm individual boulders within boulder fields (2019, 2020). Geophysical 1B Survey Interpretation Report, Sunrise Wind Farm Project.
- Germano J, Parker J, Charles J. 1994. Monitoring cruise at the Massachusetts Bay disposal site, August 1990. Waltham, Massachusetts: U.S. Army Corps of Engineers. Report No. DAMOS Contribution No. 92.
- Gill AB, Gloyne-Philips I, Kimber J, Sigray P. 2014. Marine renewable energy, electromagnetic (EM) fields and EM-sensitive animals. In: Payne MASaAIL, editor. *Marine renewable energy technology and environmental interactions*. Cham, Switzerland: Springer, Dordrecht. p. 61-79.

- Gill A, Gloyne-Philips I, Neal K, Kimber J. 2005. COWRIE 1.5 The potential effects of electromagnetic fields generated by sub-sea power cables associated with offshore wind farm developments on electrically and magnetically sensitive marine organisms - a review. Collaborative Offshore Wind Research into the Environment (COWRIE). 128 p.
- Guarinello ML, Carey DA. 2020. Multi-modal approach for benthic impact assessments in moraine habitats: a case study at the Block Island Wind Farm. *Estuaries and Coasts* 45:1107-1122. 10.1007/s12237-020-00818-w.
- Guida V, Drohan A, Welch H, McHenry J, Johnson D, Kentner V, Brink J, Timmons D, Estela-Gomez E. 2017. Habitat mapping and assessment of Northeast wind energy areas. Sterling, Virginia: US Department of the Interior, Bureau of Ocean Energy Management. Report No. BOEM 2017-088.
- Hawkins AD, Popper AN. 2014. Assessing the impact of underwater sounds on fishes and other forms of marine life. *Acoustics Today* Spring:30-41.
- Hirsch ND, DiSalvo LH, Peddicord R. 1978. Effects of dredging and disposal on aquatic organisms. Vicksburg, Mississippi: US Army Corps of Engineers. Technical Report DS-78-5.
- Hutchison ZL, Bartley ML, Degraer S, English P, Khan A, Livermore J, Rumes B, King JW. 2020a. Offshore wind energy and benthic habitat changes: lessons from Block Island Wind Farm. *Oceanography* 33(4):58-69. 10.5670/oceanog.2020.406.
- Hutchison ZL, Gill AB, Sigray P, He H, King JW. 2020b. Anthropogenic electromagnetic fields (EMF) influence the behaviour of bottom-dwelling marine species. *Scientific Reports* 10(1):4219. 10.1038/s41598-020-60793-x.
- Hutchison ZL, Sigray P, He H, Gill A, King J, Gibson C. 2018. Electromagnetic field (EMF) impacts on elasmobranch (shark, rays, and skates) and American lobster movement and migration from direct current cables. Sterling, Virginia: US Department of the Interior, Bureau of Ocean Energy Management. 254 p. Report No. BOEM 2018-003.
- INSPIRE Environmental. 2019. Ichthyoplankton and zooplankton assessment: jet plow entrainment report South Fork Wind Farm. Prepared for Jacobs Engineering Group and South Fork Wind Farm.
- Johnson JH, Dropkin DS, Warkentine BE, Rachlin JW, Andrews WD. 1997. Food habits of Atlantic sturgeon off the central New Jersey coast. *Transactions of the American Fisheries Society* 126(1):166-170.
- Jones IT, Peyla JF, Clark H, Song Z, Stanley JA, Mooney TA. 2021. Changes in feeding behavior of longfin squid (*Doryteuthis pealeii*) during laboratory exposure to pile driving noise. *Marine Environmental Research* 165:105250. 10.1016/j.marenvres.2020.105250.
- Jones IT, Stanley JA, Mooney TA. 2020. Impulsive pile driving noise elicits alarm responses in squid (*Doryteuthis pealeii*). *Marine Pollution Bulletin* 150:110792. 10.1016/j.marpolbul.2019.110792.
- Kenny AJ, Rees HL. 1994. The effects of marine gravel extraction on the macrobenthos: early post-dredging recolonization. *Marine Pollution Bulletin* 28(7):442-447. 10.1016/0025-326X(94)90130-9.

- Kikuchi R. 2010. Risk formulation for the sonic effects of offshore wind farms on fish in the EU region. *Marine Pollution Bulletin* 60(2):172-177. 10.1016/j.marpolbul.2009.09.023.
- Kohut J, Brodie J. 2019. Partners in science workshop: offshore wind and the Mid-Atlantic cold pool. Tuckerton, New Jersey: Jacques Cousteau National Estuarine Research Reserve. 15 p.
- Kraus C, Carter L. 2018. Seabed recovery following protective burial of subsea cables - observations from the continental margin. *Ocean Engineering* 157:251-261. 10.1016/j.oceaneng.2018.03.037.
- Lentz SJ. 2017. Seasonal warming of the middle Atlantic Bight cold pool. *Journal of Geophysical Research Oceans* 122(2):941-954. 10.1002/2016JC012201.
- Love M, Nishimoto M, Clark S, Bull A. 2015. Identical response of caged rock crabs (*Genera Metacarcinus and Cancer*) to energized and unenergized undersea power cables in Southern California, USA. *Bulletin of the Southern California Academy of Sciences* 114(1):33-41.
- Love M, Nishimoto M, Clark S, Bull A. 2016. Renewable Energy in situ Power Cable Observation. Santa Barbara: University of California. 106 p.
- Love MS, Nishimoto MM, Clark S, McCrea M, Bull AS. 2017. Assessing potential impacts of energized submarine power cables on crab harvests. *Continental Shelf Research* 151:23-29. 10.1016/j.csr.2017.10.002.
- Maurer D, Keck RT, Tinsman JC, Leathem WA, Wethe C, Lord C, Church TM. 1986. Vertical migration and mortality of marine benthos in dredged material: a synthesis. *Internationale Revue der gesamten Hydrobiologie und Hydrographie*. 71(1):49-63. <https://doi.org/10.1002/iroh.19860710106>.
- Methratta ET, Dardick WR. 2019. Meta-analysis of finfish abundance at offshore wind farms. *Reviews in Fisheries Science and Aquaculture* 27(2):242-260. 10.1080/23308249.2019.1584601.
- Minerals Management Service (MMS). 2007. Final programmatic environmental impact statement for alternative energy development and production and alternate use facilities on the outer continental shelf. OCS Publication No. 2007-046. 1,780 p.
- Minerals Management Service (MMS). 2009. Cape Wind energy project final environmental impact statement (FEIS). OCS Publication No. 2008-040. 800 p.
- Nation Marine Fisheries Service (NMFS). 2015. Endangered species section 7 consultation biological opinion Deepwater Wind: Block Island Wind Farm and Transmission System. NOAA Fisheries. Report No. NER-2015-12248. [accessed 2022 Jan 27]. <https://doi.org/10.25923/n3g3-gs04>.
- National Oceanic and Atmospheric Administration (NOAA). 2017. Magnuson-Stevens Fishery Conservation and Management Act Provisions; Fisheries of the Northeastern United States; Essential Fish Habitat; Final Rule. 46749-46752 p.
- National Oceanic and Atmospheric Administration (NOAA). 2021. State of the ecosystem 2021: Mid-Atlantic revised. United States. National Marine Fisheries Service. Northeast Fisheries Science Center. [accessed 2022 Jan 27]. <https://doi.org/10.25923/jd1w-dc26>.

- New England Fisheries Management Council (NEFMC). 2018. NMFS approves “majority” of council’s habitat amendment. NEFMC Press Release January 8, 2018. {accessed 2022 Jan 27}. <https://www.nefmc.org/news/nmfs-approves-majority-of-councils-habitat-amendment>.
- New York State Energy Research and Development Authority (NYSERDA). 2017. New York State offshore wind master plan analysis of multibeam echo sounder and benthic survey data final report. NYSERDA Report 17-25a.
- Normandeau Associates. 2014. Understanding the habitat value and function of shoal/ridge/trough complexes to fish and fisheries on the Atlantic and Gulf of Mexico outer continental shelf. Bedford, New Hampshire: US Department of the Interior, Bureau of Ocean Energy Management. 116 p.
- Payne J, Andrews C, Fancey L, Cook A, Christian J. 2007. Pilot study on the effects of seismic air gun noise on lobster (*Homarus americanus*). Environmental Studies Research Fund Report No. 171. St Johns, NL. 34 p.
- Raoux A, Tecchio S, Pezy J-P, Lassalle G, Degraer S, Wilhelmsson D, Cachera M, Ernande B, Le Guen C, Haraldsson M, Grangeré K, Le Loc’h F, Dauvin J, Niquil, N. 2017. Benthic and fish aggregation inside an offshore wind farm: Which effects on the trophic web functioning? Ecological Indicators 72: 33-46. <https://doi.org/10.1016/j.ecolind.2016.07.037>.
- Roberts L, Elliott M. 2017. Good or bad vibrations? Impacts of anthropogenic vibration on the marine epibenthos. The Science of the Total Environment 595:255-268.
- Schwab WC, Thielier ER, Denny JF, Danforth WW. 2000. Sea-floor sediment distribution off southern Long Island, New York. Report No.: 2000-243.
- Snyder DB, Bailey WH, Palmquist K, Cotts BRT, Olsen KR. 2019. Evaluation of potential EMF effects on fish species of commercial or recreational fishing importance in southern New England. Sterling, Virginia: US Department of the Interior, Bureau of Ocean Energy Management. Report No. BOEM 2019-049. 62 p.
- Stöber U, Thomsen F. 2021. How could operational underwater sound from future offshore wind turbines impact marine life? J Acoust Soc Am. 149(3):1791-1795. [10.1121/10.0003760](https://doi.org/10.1121/10.0003760).
- Sunrise Wind. 2021. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. October 2021. 998 p.
- Sunrise Wind. 2022. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.
- Taormina B, Bald J, Want A, Thouzeau G, Lejart M, Desroy N, Carlier A. 2018. A review of potential impacts of submarine power cables on the marine environment: knowledge gaps, recommendations and future directions. Renewable and Sustainable Energy Reviews 96:380-391. [10.1016/j.rser.2018.07.026](https://doi.org/10.1016/j.rser.2018.07.026).

- Tougaard J, Hermannsen L, Madsen PT. 2020. How loud is the underwater noise from operating offshore wind turbines? *J Acoust Soc Am.* 148(5):2885-2893. 10.1121/10.0002453.
- United Kingdom Department for Business Enterprise and Regulatory Reform. 2008. Review of cabling techniques and environmental effects applicable to the offshore wind industry. Report No. Technical Report 2008.
- United States Army Corps of Engineers (USACE). 2022. Fact Sheet-Long Island Intracoastal Waterway, New York - Federal Navigation Channel. Maintenance and Stewardship. [accessed 2022 Jan 27]. <https://www.nan.usace.army.mil/Media/Fact-Sheets/Fact-Sheet-Article-View/Article/487513/fact-sheet-long-island-intracoastal-waterway-new-york-federal-navigation-channel/>.
- Williams SJ. 1976. Geomorphology, shallow subbottom structure and sediments of the Atlantic inner continental shelf off Long Island, New York. Report No.: Technical Paper No. 76-2.
- Woodruff DL, Ward JA, Schultz IR, Cullinan VI, Marshall KE. 2012. Effects of electromagnetic fields on fish and invertebrates, Task 2.1.3: effects on aquatic organisms, fiscal year 2011 progress report on the environmental effects of marine and hydrokinetic energy. Richland, Washington: U.S. Department of Energy, Pacific Northwest National Laboratory. PNNL-20813. 68 p.

1.3.6 Birds

- Baker A, Gonzalez P, Morrison RIG, Harrington BA. 2013. Red knot (*Calidris canutus*), version 2.0. In: Poole AF, editor. *The birds of North America*. Ithaca (NY): Cornell Lab of Ornithology.
- Bennun L, van Bochove J, Ng C, Fletcher C, Wilson D, Phair N, Carbone G. 2021. Mitigating biodiversity impacts associated with solar and wind energy development, guidelines for project developers. Gland (Switzerland) Cambridge (UK): International Union for Conservation of Nature and Natural Resources and the Biodiversity Consultancy. 260 p.
- Briggs KT, Gershwin ME, Anderson DW. 1997. Consequences of petrochemical ingestion and stress on the immune system of seabirds. *ICES Journal of Marine Science* 54(4):718–725.
- Bureau of Ocean Energy Management (BOEM). 2012. Commercial wind lease issuance and site assessment activities on the Atlantic outer continental shelf offshore Massachusetts: environmental assessment. U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 396 p. Report No. BOEM 2012-087.
- Bureau of Ocean Energy Management (BOEM). 2014. Commercial wind lease issuance and site assessment activities on the Atlantic outer continental shelf offshore Massachusetts: revised environmental assessment. United States Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 674 p.
- Bureau of Ocean Energy Management (BOEM). 2016. Commercial wind lease issuance and site assessment activities on the Atlantic outer continental shelf offshore New York: environmental assessment. United States Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 352 p. Report No. BOEM 2016-042.

- Bureau of Ocean Energy Management (BOEM). 2019. Draft proposed guidelines for providing information on lighting and marking of structures supporting renewable energy development. U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 9 p.
- Bureau of Ocean Energy Management (BOEM). 2021a. South Fork Wind Farm and South Fork Export Cable Project biological assessment for the National Marine Fisheries Service. U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 134 p.
- Bureau of Ocean Energy Management (BOEM). 2021b. Vineyard Wind Offshore Wind Energy Project: final environmental impact statement. United States Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 352 p. Report No. BOEM 2021-0012.
- Bureau of Ocean Energy Management (BOEM). 2022. Draft environmental assessment commercial wind lease and grant issuance and site assessment activities on the Pacific outer continental shelf, Humboldt Wind Energy Area, California. U.S. Department of the Interior, Bureau of Ocean Energy Management, Pacific Region. 92 p. Report No. BOEM 2021-87.
- Causon PD, Gill AB. 2018. Linking ecosystem services with epibenthic biodiversity change following installation of offshore wind farms. *Environmental Science and Policy* 89:340–347.
- Degraer S, Carey DA, Coolen JWP, Hutchison ZL, Kerckhof F, Rumes B, Vanaverbeke J. 2020. Offshore Wind Farm Artificial Reefs Affect Ecosystem Structure and Functioning. *Oceanography* 33(4): 48-57.
- Dolbeer RA, Begier MJ, Miller PR, Weller JR, Anderson AL. 2021. Wildlife strikes to civil aircraft in the United States, 1990-2019. Washington, D.C.: Report No.: Serial Report Number 26.
- Efroymson RA, Rose WH, Nemeth S, Suter II GW. 2000. Ecological risk assessment framework for low-altitude overflights by fixed-wing and rotary-wing military aircraft. Oak Ridge (TN): Oak Ridge National Laboratory. 115 p. Report No. ORNL/TM-2000/289 ES-5048.
- Elliot JB, Smith K, Gallien DR, Khan AA. 2017. Observing cable laying and particle settlement during the construction of the Block Island Wind Farm. Final report to the U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. OCS Study BOEM 2017-027. 225 p.
- English PA, Mason TI, Backstrom JT, Tibbles BJ, Mackay AA, Smith MJ, Mitchell T. 2017. Improving efficiencies of National Environmental Policy Act documentation for offshore wind facilities: case studies report. US Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 296 p. Report No. BOEM 2017-026.
- Fox AD, Petersen IK. 2019. Offshore wind farms and their effects on birds. *Dansk Ornitologisk Forenings Tidsskrift* 113:86-101.

- Gochfeld M, Burger J. 2020. Roseate tern (*Sterna dougallii*), Version 1.0. Ithaca, NY: Cornell Lab of Ornithology. [accessed 2022 Feb 12].
<https://birdsoftheworld.org/bow/species/roster/cur/introduction>.
- Haney JC, Jodice PGR, Montevecchi WA, Evers DC. 2017. Challenges to oil spill assessment for seabirds in the deep ocean. *Archives of Environmental Contamination and Toxicology* 73:33-39.
10.1007/s00244-016-0355-8.
- Hansen KA, Hernandez A, Mooney TA, Rasmussen MH, Sørensen K, Wahlberg M. 2020. The common murre (*Uria aalge*), an auk seabird, reacts to underwater sound. *The Journal of the Acoustical Society of America*. 147(6):4069-4074.
- Homer C, Dewitz J, Yang L, Jin S, Danielson P, Xian G, Coulston J, Herold N, Wickham J, Megown K. 2015. Completion of the 2011 National Land Cover Database for the conterminous United States- Representing a decade of land cover change information. *Photogrammetric Engineering and Remote Sensing* 81(5):345-354. 10.14358/PERS.81.5.345.
- Hüppop O, Dierschke J, Exo K-M, Fredrich E, Hill R. 2006. Bird migration studies and potential collision risk with offshore wind turbines. *Ibis* 148:90-109.
- Jennings K. 2018. 2018 Long Island colonial waterbird & Piping Plover update. Harbor Herons & other waterbirds of the greater NY/NJ harbor working group: presentation. New York Department of Environmental Conservation.
- Kerlinger P, Gehring JL, Erickson WP, Curry R, Jain A, Guarnaccia J. 2010. Night migrant fatalities and obstruction lighting at wind turbines in North America. *Wilson Journal of Ornithology* 122(4):744-754. 10.1676/06-075.1.
- Kleist NJ, Guralnick RP, Cruz A, Lowry CA, Francis CD. 2018. Chronic anthropogenic noise disrupts glucocorticoid signaling and has multiple effects on fitness in an avian community. *PNAS*. 115(4):E648-E657.
- Komenda-Zehnder S, Cevallos M, Bruderer B. 2003. Effects of disturbance by aircraft overflight on waterbirds – an experimental approach. In: International Bird Strike Committee IBSC26/WP-LE2; 2003 May 5-9; Warsaw (Poland). 12 p.
- Kühn S, E.L BR, Franeker JAv. 2015. Deleterious Effects of Litter on Marine Life. In: Bergmann M, Gutow L, Klages M, editors. *Marine Anthropogenic Litter*. Cham, Switzerland: Springer International Publishing. p. 75-116. https://doi.org/10.1007/978-3-319-16510-3_4.
- Loring PH, Paton PWC, McLaren JD, Bai H, Janaswamy R, Goyert HF, Griffin CR, Sievert PR. 2019. Tracking offshore occurrence of Common Terns, endangered Roseate Terns, and threatened Piping Plovers with VHF arrays. US Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 158 p. Report No.: BOEM 2019-017.
- Loss S, Will T, Marra P. 2013. The impact of free-ranging domestic cats on wildlife of the United States. *Nat Commun* 4:1396.

- Maggini I, Kennedy LV, Macmillan A, Elliot KH, Dean K, Guglielmo CG. 2017. Light oiling of feathers increases flight energy expenditure in a migratory shorebird. *Journal of Experimental Biology* 220:2372-2379. 10.1242/jeb.158220.
- Menza C, Kinlan BP, Dorfman DS, Poti M, Caldow C, eds. 2012. A biogeographic assessment of seabirds, deep sea corals and ocean habitats of the New York Bight: science to support offshore spatial planning. Silver Spring (MD): National Centers for Coastal Ocean Science. 224 p. Report No.: NOAA Technical Memorandum NOS NCCOS 141.
- National Park Service (NPS). 2018. Threatened and endangered species. National Park Service, Fire Island National Seashore. [updated 2018 May 02; accessed 2022 Jun 09]. <https://www.nps.gov/fiis/learn/nature/threatened-and-endangered-species.htm>.
- New York State Breeding Bird Atlas. 2007. 2000–2005. Albany, NY: New York State Department of Environmental Conservation. [accessed 2022 Feb 12]. <http://www.dec.ny.gov/animals/7312.html>.
- New York State Department of Environmental Conservation (NYSDEC). 2014a. Species status assessment for red knot. New York State Department of Environmental Conservation. 12 p.
- New York State Department of Environmental Conservation (NYSDEC). 2014b. Species status assessment for roseate tern. New York State Department of Environmental Conservation. 15 p.
- New York State Department of Environmental Conservation (NYSDEC). 2017. Species status assessment for piping plover. New York State Department of Environmental Conservation. 18 p.
- NYSDEC. 2022a. Habitats of New York State, ecoregions of New York. New York State Department of Environmental Conservation; [accessed 2022 Feb 21]. <https://www.dec.ny.gov/animals/9402.html>.
- NYSDEC. 2022b. List of endangered, threatened and special concern fish & wildlife species of New York State. New York State Department of Environmental Conservation; [accessed 2022 Feb 21]. <https://www.dec.ny.gov/animals/7494.html>.
- New York State Energy Research & Development Authority (NYSERDA). 2017a. New York State offshore wind master plan: birds and bats study. Albany (NY): Prepared for NYSEDA by Ecology and Environment Engineering, P.C. 142 p. Report No.: NYSEDA 17-25d.
- New York State Energy Research & Development Authority (NYSERDA). 2017b. New York State offshore wind master plan: cable landfall permitting study. Albany (NY): Prepared for NYSEDA by Ecology and Environment Engineering, PC. 248 p. Report No.: NYSEDA 17-25e.
- Niles LJ, Bart J, Sitters HP, Dey AD, Clark KE, Atkinson PW, Baker AJ, Bennett KA, Kalasz KS, Clark NA, et al. 2009. Effects of horseshoe crab harvest in Delaware Bay on red knots: are harvest restrictions working? *BioScience*. 59(2):153–164. 10.1525/bio.2009.59.2.8.
- Nisbet ICT, Veit RR, Auer SA, White TP. 2013. Marine birds of the eastern United States and the Bay of Fundy: distribution, numbers, trends, threats, and management. Cambridge (MA): Nuttall Ornithological Club.

- Normandeau, APEM. 2021. Remote marine and onshore technology digital aerial baseline survey of marine wildlife in support of offshore wind energy. New York State Energy Research and Development Authority.
- Pangerc T, Robinson S, Theobald P, Galley L. 2016. Underwater sound measurement data during diamond wire cutting: First description of radiated noise. In Proceedings of the Fourth International Conference on the Effects of Noise on Aquatic Life. July 10–16. Dublin, Ireland.
- Paruk JD, Adams EM, Uher-Koch H, Kovach KA, D. Long I, Perkins C, Schoch N, Evers DC. 2016. Polycyclic Aromatic Hydrocarbons in Blood Related to Lower Body Mass in Common Loons. *Science of the Total Environment* 565:360-368.
- Peschko V, Mendel B, Müller S, Markones N, Mercker M, Garthe S. 2020. Effects of Offshore Windfarms on Seabird Abundance: Strong Effects in Spring and in the Breeding Season. *Marine Environmental Research*. 162:105-157.
- Peters KA. 2008. Avian Inventory and Monitoring Needs for Fire Island National Seashore: A Review of Available Literature and Data. National Park Service.
- Rebke M, Dierschke V, Weiner C, Aumüller R, Hill K, Hill R. 2019. Attraction of nocturnally migrating birds to artificial light: The influence of colour, intensity and blinking mode under different cloud cover conditions. *Biological Conservation* 233:220-227.
- Roman L, Hardesty BD, Hindell MA, Wilcox C. 2019. A quantitative analysis linking seabird mortality and marine debris ingestion. *Scientific Reports* 9(1):1-7.
- Sigourney DB, Orphanides CD, Hatch JM. 2019. Estimates of Seabird Bycatch in Commercial Fisheries off the East Coast of the United States from 2015 to 2016. Woods Hole, Massachusetts: National Oceanic and Atmospheric Administration National Marine Fisheries Service. Report No.: NOAA Technical Memorandum NMFS-NE-252.
- Smith KG, Wittenberg SR, Macwhirter RB, Bildstein KL. 2020. Northern harrier (*Circus hudsonius*), Version 1.0. Ithaca, NY: Cornell Lab of Ornithology. [accessed 2022 Jun 09]. <https://birdsoftheworld.org/bow/species/norhar2/1.0/introduction>.
- Stantec. 2018a. Avian and bat risk assessment for the construction and operations plan for South Fork Wind Farm. Topsham, Maine.
- Stantec. 2018b. Avian and bat risk assessment: South Fork Wind Farm and South Fork Export Cable. Prepared for Deepwater Wind South Fork, LLC, Providence, RI by Stantec Consulting Services Inc., Topsham, ME. 224 p.
- Stantec. 2020. SFWF – Montauk O&M Facility in-water work. Assessment of potential impacts to natural resources from in-water work. Prepared for Deepwater Wind South Fork, LLC by Stantec Consulting Services Inc.
- Sunrise Wind. 2021a. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. October 2021. 998 p.

- Sunrise Wind. 2021b. Environmental Mitigation Plan for Sunrise Wind Version 2.1 Prepared Pursuant to Section 12.06 of the Offshore Wind Renewable Energy Certificate Purchase and Sale Agreement by and between the New York State Energy Development and Resource Authority and Sunrise Wind LLC dated October 23, 2019 for New York State Energy Research and Development Authority, Albany, NY.
- Sunrise Wind. 2022. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.
- Sydeman WJ, Thompson SA, Kitaysky A. 2012. Seabirds and climate change: a road map for the future. *Marine Ecology Progress Series* 454:107-117.
- Tanaka K, Takada H, Yamashita R, Mizukawa K, Fukuwaka M, Watanuki Y. 2013. Accumulation of plastic-derived chemicals in tissues of seabirds ingesting marine plastics. *Marine Pollution Bulletin* 69:219–222.
- Teuten EL, Saquing JM, Knappe DRU, Barlaz MA, Jonsson S, Bjorn A, Rowland SJ, Thompson RC, Galloway TS, Yamashita R, et al. 2009. Transport and release of chemicals from plastics to the environment and to wildlife. *Philosophical Transactions of the Royal Society - Biological Sciences* 364:2027-2045.
- United States Coast Guard (USCG). 2007. Guidance on the Coast Guard's roles and responsibilities for offshore renewable energy installations (OREI). Washington, SC: U.S. Department of Homeland Security, U.S. Coast Guard. Report No.: Navigation and Vessel Inspection Circular (NVIC) No. 02-07.
- United States Fish and Wildlife Service (USFWS). 2001. Roseate tern habitat model. [accessed 2022 Feb 18]. <https://ecos.fws.gov/ecp/species/2083>.
- United States Fish and Wildlife Service (USFWS). 2010. Caribbean roseate tern and North Atlantic roseate tern (*Sterna dougallii dougallii*) 5-year review: summary and evaluation. Boquerón, Puerto Rico, and Concord, New Hampshire: 148 p.
- United States Fish and Wildlife Service (USFWS). 2019. Black-capped petrel, *Pterodroma hasitata*. [accessed 2022 Jan 25]. <https://ecos.fws.gov/ecp/species/4748>
- United States Fish and Wildlife Service (USFWS). 2021a. Endangered and threatened wildlife and plants; designation of critical habitat for rufa red knot (*Calidris canutus rufa*). *Federal Register*. 37410 p.
- United States Fish and Wildlife Service (USFWS). 2021b. Status of the species. [accessed 2022 Feb 18]. <https://www.fws.gov/verobeach/StatusoftheSpecies.html>.
- United States Fish and Wildlife Service (USFWS). 2022. Threat to birds: collisions. [accessed 2022 18 July]. <https://www.fws.gov/library/collections/threats-birds-collisions>.
- Veit RR, Petersen WR. 1993. *Birds of Massachusetts*. Massachusetts Audubon Society.
- Veit RR, White TP, Perkins SA, Curley S. 2016. Abundance and distribution of seabirds off Southeastern Massachusetts, 2011-2015. Report No.: OCS Study BOEM 2016-067.

- Wang L, Nabi G, Yin L, Wang Y, Li S, Hao Z, Li D. 2021. Birds and plastic pollution: recent advances. *Avian Research* 121(59):1-9.
- Watts BD. 2010. Wind and waterbirds: establishing sustainable mortality limits within the Atlantic flyway. Williamsburg, Virginia: College of William and Mary/Virginia Commonwealth University. Report No.: Technical Report Series CCBTR-10-05.
- Winship AJ, Kinlan BP, White TP, Leirness JB, Christensen J. 2018. Modeling at-sea density of marine birds to support Atlantic marine renewable energy planning: final report. Sterling, Virginia: U.S. Department of the Interior Bureau of Ocean Energy Management. Report No.: OCS Study BOEM 2018-010.
- Yamashita R, Takada H, Fukuwaka M, Watanuki Y. 2011. Physical and chemical effects of ingested plastic debris on short-tailed shearwaters, *Puffinus tenuirostris*, in the North Pacific Ocean. *Marine Pollution Bulletin* 62(12):2845-2849.
- Zapata MJ, Sullivan SMP, Gray SM. 2019. Artificial lighting at night in estuaries—implications from individuals to ecosystems. *Estuaries and Coasts* 42:309-330.

1.3.7 Coastal Habitat and Fauna

- Allan G, Comerford D, Connolly K, McGregor P, Ross AG. 2020. The economic and environmental impacts of UK offshore wind development: The importance of local content. *Energy* 199:117436.
- Allison TD, Diffendorfer JE, Baerwald EF, Beston JA, Drake D, Hale AM, Hein CD, Huso MM, Loss SR, Lovich JE. 2019. Impacts to wildlife of wind energy siting and operation in the United States. *Issues in Ecology* 21(1):2-18.
- Central Pine Barrens Joint Planning & Policy Commission. 2022. Central Pine Barrens overview. Central Pine Barrens Joint Planning & Policy Commission. [accessed 2022 Jun 09]. <https://pb.state.ny.us/central-pine-barrens/overview/>.
- Costello CT, Kenworthy WJ. 2011. Twelve-year mapping and change analysis of eelgrass (*Zostera marina*) areal abundance in Massachusetts (USA) identifies statewide declines. *Estuaries and Coasts* 34(2):232-242.
- Critical Environmental Areas (CEA). 2020. Critical environmental areas in New York. New York State Department of Environmental Conservation (NYSDEC). [accessed 2022 Jun 09]. /inventories/d <http://gis.ny.gov/gisdata/details.cfm?DSID=1330>.
- Davis M, Green T, Anderson R. 2005. Understory composition of the Long Island pine barrens. Brookhaven National Laboratory. [accessed 2022 Jun 09]. https://www.bnl.gov/esd/wildlife/files/research/pdf/davis_poster_2005.pdf.
- Edinger GJ, Evans DJ, Gebauer S, Howard TG, Olivero AM. 2014. Ecological communities of NYS Second Edition: A Revised and Expanded Edition of Carol Reschke's Ecological Communities of NYS. NY NHP, NYS Department of Environmental Conservation, Albany, NY. 173 p.

- Farr ER, Johnson MR, Nelson MW, Hare JA, Morrison WE, Lettrich MD, Vogt B, Meaney C, Howson UA, Auster PJ. 2021. An assessment of marine, estuarine, and riverine habitat vulnerability to climate change in the Northeast U.S. *Plos One* 16(12):e0260654.
- Fuller ML. 1914. The geology of Long Island, NY. Department of the Interior U.S. Geological Survey. 273 p.
- Gibbs JP, Breisch AR, Ducey PK, Johnson G, Behler JL, Bothner RC. 2007. The amphibians and reptiles of New York State. Oxford University Press, NY.
- Greenman-Pedersen Inc (GPI). 2008. Environmental assessment beach nourishment and maintenance dredging at Smith Point County Park and Cupsogue County Park. Greenman-Pedersen, Inc. 79 p. [accessed 2022 Jun 09].
<https://parkplanning.nps.gov/document.cfm?parkID=227&projectID=22546&documentID=24276>.
- Griffith G. 2010. Level III North American terrestrial ecoregions: United States descriptions. Prepared for the North American Commission for Environmental Cooperation. 1-64.
- Grossman D, Faber-Langendoen D, Weakley A, Anderson M, Bourgeron P, Crawford R, Goodin K, Landaal S, Metzler K, Patterson K. 1998. International classification of ecological communities: Terrestrial vegetation of the United States. The Nature Conservancy, Arlington, Virginia. 126.
- Klopfers S, Olivero A, Sneddon L, Lundgren J. 2002. Final report of the NPS vegetation mapping project at Fire Island National Seashore. Blacksburg, VA: Conservation Management Institute, GIS and Remote Sensing Division, College of Natural Resources, Virginia Tech.
- Lindsey R. 2020. Climate change: atmospheric carbon dioxide. NOAA Climate.gov Science and Information for a Climate-Smart Nation. [accessed 2022 Jun 09].
<https://www.climate.gov/news-features/understanding-climate/climate-change-atmospheric-carbon-dioxide>.
- Long Island Sound Coastal Management Program. 1999. Long Island Sound coastal management program your cost, your future. Albany, NY: U.S. Department of Commerce, NOAA, Office of Ocean and Coastal Resource Management. 130 p.
- Lovett GM, Tear TH, Evers DC, Findlay SE, Cosby BJ, Dunscomb JK, Driscoll CT, Weathers KC. 2009. Effects of air pollution on ecosystems and biological diversity in the eastern United States. *Annals of the NY Academy of Sciences* 1162(1):99-135.
- Lynch PJ. 2017. A field guide to Long Island Sound: coastal habitats, plant life, fish, seabirds, marine mammals, and other wildlife. Yale University Press. 416 p.
- National Park Service (NPS). 2020. Integrated coastal climate change vulnerability assessment Fire Island National Seashore Natural resource report NPS/FIIS/NRR—2020/2156. 222 p.
- New York Natural Heritage Program Significant Natural Communities (2021). Natural Heritage community occurrences. NYS Department of Environmental Conservation (NYSDEC). [accessed 2022 Jun 09]. <http://gis.ny.gov/gisdata/inventories/details.cfm?DSID=1241>.

- New York Natural Heritage Program (NYNHP). 2013. Online conservation guide for *Kinosternon subrubrum*. [accessed 2022 Jun 09]. <http://www.acris.nynhp.org/guide.php?id=7514>.
- New York State Department of Environmental Conservation (NYSDEC). 2008a. Coastal fish & wildlife habitat assessment form – Great South Bay-East. [accessed 2022 Jan 07]. https://dos.ny.gov/system/files/documents/2020/03/great_south_bay_east.pdf.
- New York State Department of Environmental Conservation (NYSDEC). 2008b. Coastal fish & wildlife habitat assessment form – Smith Point County Park. 15 p. [accessed 2022 Jan 07]. https://dos.ny.gov/system/files/documents/2020/03/smith_point_county_park.pdf.
- New York State Department of Environmental Conservation (NYSDEC). 2008c. Coastal fish & wildlife habitat assessment form – Moriches Bay. 15 p. [accessed 2022 Jan 07]. https://dos.ny.gov/system/files/documents/2020/03/moriches_bay.pdf.
- New York State Department of Environmental Conservation (NYSDEC). 2008d. Coastal fish & wildlife habitat assessment form – Carmans River. 15 p. [accessed 2022 Jun 09]. https://dos.ny.gov/system/files/documents/2020/03/carmans_river.pdf.
- New York State Department of State (NYSDEC). 2013. Significant Coastal fish & wildlife habitat 2.0. metadata. Division of Coastal Resources. [accessed 2022 Jun 09]. <https://gis.ny.gov/gisdata/metadata/dos.FishWildlifeHabitats.htm>.
- Nordstrom KF, Jackson NL. 2005. Bay shoreline physical processes (Fire Island National Seashore science synthesis paper). Boston, MA: NPS. Technical Report NPS/NER/NRTR—2005/020.
- Nordstrom K, Jackson N, Rafferty P, Raineault N, Grafals-Soto R. 2009. Effects of bulkheads on estuarine shores: an example from Fire Island National Seashore, USA. *Journal of Coastal Research Special Issue* (56):188-192.
- Ricci G, Robadue Jr. DD, Rubinoff P, Casey A, Babson AL. 2020. Integrated coastal climate change vulnerability assessment: Fire Island National Seashore. Natural Resource Report NPS/FIIS/NRR—2020/2156. National Park Service, Fort Collins, Colorado. NPS/FIIS/NRR—2020/2156. 222 p.
- Sacatelli R, Lathrop R, Kaplan M. 2020. Impacts of climate change on coastal forests in the northeast US. Rutgers Climate Institute. Rutgers University. New Brunswick, NJ. 48 p.
- Sohl TL. 2002. Atlantic coastal pine barrens. U.S. Geological Survey.
- Sordello R, Ratel O, Flamerie De Lachapelle F, Leger C, Dambry A, Vanpeene S. 2020. Evidence of the impact of noise pollution on biodiversity: a systematic map. *Environmental Evidence* 9(1):1-27.
- South Shore Estuary Reserve (SSER) Council. 2021. Long Island South Shore estuary reserve comprehensive management plan 2021. 130 p.
- State of New York. 1982. NYS coastal management program and final environmental impact statement. Albany, NY: U.S. Department of Commerce National Oceanic and Atmospheric Administration, Office of Coastal Zone Management. 475 p.
- Suffolk County. 2016. Town of Brookhaven - real property tax map parcel. County of Suffolk, NY.

- Suffolk County Department of Economic Development and Planning. 2016. 2016 Land use polygon. [accessed 2022 Jun 09]. <https://opendata.suffolkcountyny.gov/datasets/SuffolkGIS::landuse-2016-polygon/about>.
- Suffolk County Department of Economic Development and Planning. 2021. Parks polygon. [accessed 2022 Jun 09]. <https://opendata.suffolkcountyny.gov/datasets/SuffolkGIS::park-polygon/about>.
- Sunrise Wind. 2021. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. October 2021. 998 p.
- Sunrise Wind. 2022. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.
- Tanski J, Bokuniewicz H, Schlenk C. 2001. Impacts of barrier island breaches on selected biological resources of Great South Bay, NY. NY Sea Grant Joint Program of the State University of NY and Cornell University. Final Report NYSGI-01-02. 111 p.
- United States Fish and Wildlife Service (USFWS). 1997. Significant habitats and habitat complexes of the NY Bight watershed. Southern New England - NY Bight Coastal Ecosystems Program. Charlestown, Rhode Island. [accessed 2022 Jun 09]. <https://www.nrc.gov/docs/ML0719/ML071970390.pdf>.
- United States Geological Survey (USGS). 2013. Coastal change from Hurricane Sandy and the 2012–13 winter storm season—Fire Island, NY. U.S. Geological Survey Open-File Report 2013-1231. 37 p.
- White EE, Ury EA, Bernhardt ES, Yang X. 2021. Climate change driving widespread loss of coastal forested wetlands throughout the North American coastal plain. *Ecosystems* 1-16.
- Wilson R, Wong K, Carter H. 1991. Aspects of circulation and exchange in Great South Bay. In: Schubel J, Bell T, Carter H, editors. *The Great South Bay* Stony Brook, NY: State University of NY Press. 9-22 p.

1.3.8 Finfish, Invertebrates, and Essential Fish Habitat

- Aimon C, Simpson SD, Hazelwood RA, Bruintjes R, Urbina MA. 2021. Anthropogenic underwater vibrations are sensed and stressful for the shore crab *Carcinus maenas*. *Environmental Pollution* 285:117148.
- AKRF, Inc., AECOM, Popper A. 2012. Essential fish habitat assessment for the Tappan Zee Hudson River Crossing Project.
- Albert L, Deschamps F, Jolivet A, Olivier F, Chauvaud L, Chauvaud S. 2020. A current synthesis on the effects of electric and magnetic fields emitted by submarine power cables on invertebrates. *Marine Environmental Research* 159 (2020): 104958.
- Alexander MA, Shin S, Scott JD, Curchitser E, Stock C. The response of the northwest Atlantic Ocean to climate change. *Journal of Climate* 33, no. 2 (2020): 405-428.

- Armstrong JD, Hunter DC, Fryer RJ, Rycroft P, Orpwood JE. 2015. Behavioral responses of Atlantic salmon to mains frequency magnetic fields. *Scottish Marine and Freshwater Science* 6:9.
- Bay State Wind LLC. 2019. Construction and operations plan, Bay State Offshore Wind Farm. Submitted to Bureau of Ocean Energy Management. Submitted by Bay State Wind LLC. Submitted March 2019, Revised July 2019.
- Becker A, Whitfield KA, Cowley PD, Järnegren J, Næsje TJ. 2013. Does boat traffic cause displacement of fish in estuaries? *Marine Pollution Bulletin* 75(1):168–173.
- Bejder L, Samuels A, Whitehead H, Finn H, Allen S. 2009. Impact assessment research: use and misuse of habituation, sensitisation and tolerance in describing wildlife responses to anthropogenic stimuli. *Marine Ecology Progress Series* 395: 177–185.
- Bergström L, Sundqvist F, Bergström U. 2013. Effects of an offshore wind farm on temporal and spatial patterns in the demersal fish community. *Marine Ecology Progress Series* 485: 199–210.
- Berry W, Rubinstein N, Melzian B, Hill B. 2003. The Biological effects of suspended and bedded sediment (SABS) in aquatic systems: a review. Internal U.S. Environmental Protection Agency Report. 20 August 2003.
- Brawn V. 1961. Sound production by the Cod (*Gadus callarias* L.). *Behaviour* 18(4): 239-255.
- Broad A, Rees MJ, Davis AR. 2020. Anchor and chain scour as disturbance agents in benthic environments: trends in the literature and charting a course to more sustainable boating and shipping. *Marine Pollution Bulletin* 161: 111683.
- Buehler D, Oestman R, Reyff JA, Pommerenck K, Mitchell B. 2015. Technical guidance for assessment and mitigation of the hydroacoustic effects of pile driving on fish. Report Number CTHWANP-RT-15-306.01.01. Report by California Department of Transportation (CALTRANS), Division of Environmental Analysis. 532 p.
- Bureau of Ocean Energy Management (BOEM). 2012. Commercial wind lease issuance and site assessment activities on the Atlantic outer continental shelf offshore Massachusetts: environmental assessment. OCS EIS/EA BOEM 2012-087. [accessed 21 April 2022 Apr 21].: https://www.boem.gov/sites/default/files/uploadedFiles/BOEM/BOEM_Newsroom/Library/Publications/2012/BOEM-2012-087.pdf.
- Bureau of Ocean Energy Management (BOEM). 2013. Commercial wind lease issuance and site assessment activities on the Atlantic outer continental shelf offshore Rhode Island and Massachusetts revised environmental assessment. Herndon, Virginia: United States Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs.
- Cadrin SX, Zemeckis D, Zemeckis R, Dean MJ, Cournane J. 2020. In: An interdisciplinary review of Atlantic cod (*Gadus morhua*) stock structure in the Western North Atlantic Ocean. R.S. McBride and R.K. Smedbol, eds. NOAA Tech Memo NMFS-NE-XXX. June 2020.
- Carpenter JR, Merckelback L, Callies U, Clark S, Gaslikova L, Baschek B. 2016. Potential impact of offshore wind farms on North Sea stratification. *PLoS ONE* 11(8): e0160830. [accessed 2022 Feb

- 16].<https://journals.plos.org/plosone/article/file?id=10.1371/journal.pone.0160830&type=printable>.
- Causon PD, Gill AB. 2018. Linking ecosystem services with epibenthic biodiversity change following installation of offshore wind farms. *Environmental Science and Policy* 89:340–347.
- Chen Z, Curchitser E, Chant R, Kang D. 2018. Seasonal variability of the cold pool over the Mid-Atlantic Bight continental shelf. *Journal of Geophysical Research: Oceans* 123(11):8203-8226. 10.1029/2018JC014148.
- CoastalVision and Germano & Associates. 2010. Sediment profile & plan view imaging report: Evaluation of sediment and benthos characteristics along potential cable routes and turbine locations for the proposed Block Island Wind Farm. Report prepared for Deepwater Wind, Providence, RI.
- Collette BB, Klein-MacPhee G, editors. 2002. *Bigelow and Schroeder's fishes of the Gulf of Maine*. 3rd Edition. Washington, DC: Smithsonian Institution Press.
- Copping A, Sather N, Hanna L, Whiting J, Zydlewski G, Staines G, Gill A, Hutchison I, O'Hagan A, Simas T, Bald J, Sparling C, Wood J, Masden E. 2016. Annex IV 2016 state of the science report: environmental effects of marine renewable energy development around the world. April 2016. 224 p.
- CSA Ocean Sciences Inc. 2020. Application for incidental harassment authorization for the non-lethal taking of marine mammals: site characterization surveys Lease OCS-A 0486, 0517, 0487, 0500 and Associated Export Cable Routes. Submitted to Orsted. July 2020. 89 pp.
- CSA Ocean Sciences Inc. and Exponent .2019. Evaluation of potential EMF effects on fish species of 25 commercial or recreational fishing importance in Southern New England (No. BOEM-2019- 26 049). U.S. Dept. of the Interior, Bureau of Ocean Energy Management (BOEM), Sterling, VA 27 (United States).
- Dean M, DeCelles G, Zemeckis D, Ames T. 2020. Early life history. In: an interdisciplinary review of Atlantic cod (*Gadus morhua*) stock structure in the Western North Atlantic Ocean. R.S. McBride and R.K. Smedbol, eds. NOAA Tech Memo NMFS-NE-XXX. June 2020.
- Dean M, Hoffman WS, Zemeckis DR, Armstrong MP. 2019. Fine-scale diel and gender-based patterns in behaviour of Atlantic cod (*Gadus morhua*) on a spawning ground in the Western Gulf of Maine. *ICES Journal of Marine Science* 71(6):1474-1489.
- Deepwater Wind South Fork, LLC. 2019. Appendix H4 of volume II, construction and operations plan South Fork Wind Farm. Submitted to Bureau of Ocean Energy Management, Sterling, VA. Submitted by Deepwater Wind South Fork, LLC. Revision 3: February 2019.
- Degraer S, Carey DA, Coolen JWP, Hutchison ZL, Kerckhof F, Rumes B, Vanaverbeke J. 2020. Offshore wind farm artificial reefs affect ecosystem structure and functioning. *Oceanography* 33(4): 48-57.
- Denes SL, Zeddies DG, Weirathmueller MM. 2021. Turbine foundation and cable installation at South Fork Wind Farm: underwater acoustic modeling of construction noise. Appendix J1 in

- construction and operations plan South Fork Wind Farm. Silver Spring, Maryland: JASCO Applied Sciences.
- Edmonds NJ, Firmin CJ, Goldsmith D, Faulkner RC, Wood DT. 2016. A review of crustacean sensitivity to high amplitude underwater noise: Data needs for effective risk assessment in relation to UK commercial species. *Marine Pollution Bulletin* 108(1–2):5–11.
- Elliott J, Khan AA, Lin YT, Mason T, Miller JH, Newhall AE, Potty GR, Vigness-Raposa KJ. 2019. Field observations during wind turbine operations at the Block Island Wind Farm, Rhode Island. Final report to the U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs, OCS Study BOEM 28 (2019): 281.
- Elliot JB, Smith K, Gallien DR, Khan AA. 2017. Observing cable laying and particle settlement during the construction of the Block Island Wind Farm. Final report to the U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. OCS Study BOEM 2017-027. 225 pp.
- Espinell-Velasco N, Hoffmann L, Agüera A, Byrne M, Dupont S, Uthicke S, Webster NS, Lamare M. 2018. Effects of ocean acidification on the settlement and metamorphosis of marine invertebrate and fish larvae: a review. *Marine Ecology Progress Series* 606: 237-257.
- Essink K. 1999. Ecological effects of dumping of dredged sediments; options for management. *Journal of Coastal Conservation* 5:69–80.
- Exponent Engineering. 2020. Onshore acoustic assessment Sunrise Wind Farm Project. Prepared for: Sunrise Wind LLC. COP Appendix 12.
- Farr ER, Johnson MR, Nelson MW, Hare JA, Morrison WE, Lettrich MD, Vogt B, Meaney C, Howson UA, Auster PJ, Borsuk FA. 2021. An assessment of marine, estuarine, and riverine habitat vulnerability to climate change in the Northeast U.S. *PLoS ONE* 9: 16(12): e0260654.
- Fisheries Hydroacoustic Working Group (FHWG). 2008. Agreement in principle for interim criteria for injury to fish from pile driving activities. Technical Policy Meeting June 11, 2008. Vancouver, WA.
- Floeter J, van Beusekom JEE, Auch D, Callies U, Carpenter J, Dudeck T, Eberle S. 2017. Pelagic effects of offshore wind farm foundations in the stratified North Sea. *Progress in Oceanography* 156: 154-173.
- Gardline. 2021. Sunrise Wind Farm individual boulders within boulder fields (2019, 2020). Geophysical 1B Survey Interpretation Report, Sunrise Wind Farm Project.
- Germano J, Parker J, Charles J. 1994. Monitoring cruise at the Massachusetts Bay disposal site, August 1990. DAMOS Contribution No. 92. U.S. Army Corps of Engineers, New England Division. Waltham, Massachusetts.
- Greene JK, MG Anderson, Odell J, Steinberg N, editors. 2010. The Northwest Atlantic marine ecoregional assessment: species, habitats and ecosystems. Phase one. The Nature Conservancy, Eastern U.S. Division, Boston, MA.

- Guarinello ML, Carey DA. 2020. Multi-modal approach for benthic impact assessments in moraine habitats: a case study at the Block Island Wind Farm. *Estuaries and Coasts*. Special Issue: Shallow Water Mapping. <https://doi.org/10.1007/s12237-020-00818-w>.
- Guarinello M, Carey D, Brown Read L. 2017. Year 1 report for 2016 summer post-construction surveys to characterize potential impacts and response of hard bottom habitats to anchor placement at the Block Island Wind Farm (BIWF). INSPIRE Environmental prepared for Deepwater Wind Block Island LLC. May.
- Guida V, Drohan A, Welch H McHenry J, Johnson D, Kentner V, Brink J, Timmons D, Pessutti J, Fromm S, Estela-Gomez E. 2017. Habitat mapping and assessment of Northeast wind energy areas. Highlands (NJ): OCS BOEM 2017-088. U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. [accessed 2022 Jun 09]. <https://tethys.pnnl.gov/sites/default/files/publications/Guida-et-al-2017.pdf>.
- Handegard NO, Tjøstheim D. 2005. When fish meet a trawling vessel: examining the behaviour of gadoids using a free-floating buoy and acoustic split-beam tracking. *Canadian Journal of Fisheries and Aquatic Sciences* 62(10):2409-2422.
- Hare JA, Morrison WE, Nelson MW, Stachura MM, Teeters EJ, Griffis RB, Griswold CA. 2016. A vulnerability assessment of fish and invertebrates to climate change on the Northeast continental shelf. *PLoS One* 11(2):30.
- Hatfield EMC, Cadrin SX. 2002. Geographic and temporal patterns in size and maturity of the longfin inshore squid (*Loligo pealeii*) off the northeastern United States. *Fishery Bulletin* 2002: 200-213.
- Hawkins AD, Johnson C, Popper AN. 2020. How to set sound exposure criteria for fishes. *The Journal of the Acoustical Society of America* 147: 1762-1777.
- Hawkins AD, Pembroke AE, Popper AN. 2015. Information gaps in understanding the effects of noise on fishes and invertebrates. *Reviews in Fish Biology and Fisheries* 25(1): 39-64.
- Hawkins AD, Popper AN. 2014. Assessing the impact of underwater sounds on fishes and other forms of marine life. *Acoustics Today* Spring:30-41.
- Hemery LG. 2020. Changes in benthic and pelagic habitats caused by marine renewable energy devices. OES – environmental 2020 state of the science report: environmental effects of marine renewable energy development around the world. Report for Ocean Energy Systems (OES).
- Hernandez KM, Risch D, Cholewiak DM, Dean MJ, Hatch LT, Hoffman WS, Rice AN, Zemeckis D, Van Parijs SM. 2013. Acoustic monitoring of Atlantic cod (*Gadus morhua*) in Massachusetts Bay: implications for management and conservation. *ICES Journal of Marine Science* 70: 628-635.
- Hirsch ND, DiSalvo LH, Peddicord R. 1978. Effects of dredging and disposal on aquatic organisms. Technical Report DS-78-5. U.S. Army Engineer Waterways Experiment Station. Vicksburg, MS. NTIS No. AD A058 989.
- Hutchison ZM, Bartley S, Degraer P, English A, Khan J, Livermore B, King JM. 2022. Offshore wind energy and benthic habitat changes, lessons from Block Island Wind Farm. *Oceanography* 33(4):58-69.

- Hutchison Z, Sigray P, Haibo H, Gill AB, King J, Gibson C. Electromagnetic Field (EMF) impacts on elasmobranch (shark, rays, and skates) and American lobster movement and migration from direct current cables. Sterling (VA): US Department of the Interior, Bureau of Ocean Energy Management. OCS Study BOEM 3 (2018): 2018.
- Hutchison ZL, Secor DH, Gill AB. 2020. The interaction between resource species and electromagnetic fields associated with electricity production by offshore wind farms." *Oceanography* 33(4): 96-107.
- Ingram EC, Cerrato RM, Dunton KJ, Frisk MG. 2019. Endangered Atlantic sturgeon in the New York wind energy area: implications of future development in an offshore wind energy site. *Scientific reports* 9:1-13.
- INSPIRE Environmental (INSPIRE). 2018. Ichthyoplankton and zooplankton assessment – jet plow entrainment report. Prepared for CH2M and Deepwater Wind South Fork, LLC. Submitted April 2018.
- Jézéquel Y, Jones IT, Bonnel J, Chauvaud L, Atema J, Mooney TA. 2021. Sound detection by the American lobster (*Homarus americanus*). *Journal of Experimental Biology* 224:Part 6. 10.1242/jeb.240747.
- Jones IT, Stanley JA, Mooney TA. 2020. Impulsive pile driving noise elicits alarm responses in squid (*Doryteuthis pealeii*). *Marine Pollution Bulletin* 150:110792. doi.org/10.1016/j.marpolbul.2019.110792.
- Jones IT, Peyla JF, Clark H, Song Z, Stanley JA, Mooney TA. 2021. Changes in feeding behavior of longfin squid (*Doryteuthis pealeii*) during laboratory exposure to pile driving noise. *Marine Environmental Research* 165:105-250.
- Kastelein RA. 2008. Effects of vibrations on the behaviour of cockles (*bivalve molluscs*). *Bioacoustics* 17: 74–75.
- Kavet R, Wyman MT, Klimley AP. 2016. Modeling magnetic fields from a DC power cable buried beneath San Francisco Bay based on empirical measurements. *PLoS ONE* 11(2): e0148543.
- Kempster RM, Hart NS, Collin SP. 2013. Survival of the stillest: predator avoidance in shark embryos. *PLoS One* 8(1):e52551.
- Kenny AJ, Rees HL. 1994. The effects of marine gravel extraction on the macrobenthos: Early postdredging recolonization. *Marine Pollution Bulletin* 28: 442–447.
- Klimley PA, Wyman MT, Kavet R. 2017. Chinook salmon and green sturgeon migrate through San Francisco estuary despite large distortions in the local magnetic field produced by bridges. *PLoS ONE* 12 (6): e0169031.
- Kraus SD, Leiter S, Stone K, Wikgren B, Mayo C, Hughes P, Kenney RD, Clark CW, Rice AN, Estabrook B, Tielens J. 2016. Northeast large pelagic survey collaborative aerial and acoustic surveys for large whales and sea turtles. OCS Study BOEM 2016-054. Sterling, Virginia: US Department of the Interior, Bureau of Ocean Energy Management.

- Kuffner A. 2018. Front line of climate change: black sea bass surge off R.I., new article. Providence Journal, July 15, 2018. [accessed 2022 Jun 09].
<https://www.providencejournal.com/story/news/environment/2018/07/15/front-line-of-climate-change-black-sea-bass-surge-off-ri/11512916007/>.
- Kuhn LA, Barry JP, Buck K, Lovera C, Whaling PJ. 2015. Potential impacts of the Monterey accelerated research system (MARS) cable on the seabed and benthic faunal assemblages. MARS Biological Survey Report, Monterey Bay Aquarium Research Institute.
- Küsel ET, Weirathmueller MJ, Zammit KE, Welch SJ, Limpert KE, Zeddies DG. 2021. Underwater acoustic and exposure modeling. Document 02109, Version 1.0 DRAFT. Technical report by Bedjer JASCO Applied Sciences for Ocean Wind LLC.
- Küsel ET, Weirathmueller MJ, Koessler MW, Zammit KE, Quijano JE, Kanu C, Limpert KE, Clapsaddle ME, Zeddies DG. 2022. Sunrise Wind Farm Project: underwater noise and exposure modeling. Document 02109, Version 7.0. Technical report by JASCO Applied Sciences for Sunrise Wind LLC.
- LaFrance M, Shumchenia E, King J, Pockalny R, Oakley B, Pratt S, Boothroyd J. 2010. Benthic habitat distribution and subsurface geology selected sites from the Rhode Island special area management study area. Technical Report 4. 99 pp; Kingston, RI, University of Rhode Island.
- Langan JA, McManus MC, Zemeckis DR, Collie JS. 2020. Abundance and distribution of Atlantic cod (*Gadus morhua*) in a warming southern New England. Fishery Bulletin 118: 145-156.
- Lentz SJ. 2017. Seasonal warming of the Middle Atlantic Bight cold pool. Journal of Geophysical Research: Oceans 122(2): 941-954.
- Leonhard SB, Stenberg C, Støttrup JG, editors. 2011. Effect of the horns rev 1 offshore wind farm on fish communities: follow-up seven years after construction. Danish Energy Authority.
- Lindeboom HJ, Kouwenhoven HJ, Bergman MJN, Bouma S, Brasseur S, Daan R, Fijn RC, de Haan D, Dirksen S, et al. 2011. Short-term ecological effects of an offshore wind farm in the Dutch coastal zone; a compilation. Environmental Research Letters 6(3):1–13.
- Love MS, Nishimoto MM, Clark S, Bull AS. 2016. Renewable energy in situ power cable observation. OCS study 2016-008. Camarillo, CA: U.S. Department of the Interior, Bureau of Ocean Energy Management, Pacific OCS Region.
- Love MS, Nishimoto MM, Clark S, McCrear M, Bull AS. 2017. Assessing potential impacts of energized submarine power cables on crab harvests. Continental Shelf Research 151: 23-29.
- Madsen PT, Wahlberg M, Tougaard J, Lucke K, Tyack P. 2006. Wind turbine underwater noise and marine mammals: Implications of current knowledge and data needs. Marine Ecology Progress Series 309:279-295.
- McBride RS, Tweedie MK, Oliveria K. 2018. Reproduction, first-year growth, and expansion of spawning and nursery grounds of black sea bass (*Centropristis striata*) into a warming Gulf of Maine. Fishery Bulletin 116(3-4): 323-336.

- McManus MC, Hare JA, Richardson DE, Collie JS. 2018. Tracking shifts in Atlantic mackerel (*Scomber scombrus*) larval habitat suitability on the Northeast US Continental Shelf. *Fisheries Oceanography* 27(1): 49-62.
- Mid-Atlantic Fishery Management Council (MAFMC). 2011. Amendment 11 to the Atlantic mackerel, squid, and butterfish fishery management plan. Mid-Atlantic Fishery Management Council. May 2011.
- Mid-Atlantic Fishery Management Council (MAFMC). 2016. Regional use of the habitat area of particular concern (HAPC) designation. May 2016.
- Mid-Atlantic Fisheries Management Council (MAFMC). 2017. Unmanaged forage omnibus amendment: amendment 20 to the summer flounder, scup, and black sea bass fishery management plan, amendment 18 to the mackerel, squid, and butterfish fishery management plan, amendment 19 to the surf clam and ocean quahog fishery management plan, amendment 6 to the bluefish fishery management plan, amendment 5 to the tilefish fishery management plan, amendment 5 to the spiny dogfish fishery management plan, including an environmental assessment, regulatory impact review, and regulatory flexibility act analysis. March 2017.
- Miller JH, Potty GR. 2017. Measurements of underwater sound radiated from an offshore wind turbine. *The Journal of the Acoustical Society of America* 142(4):2699. 10.1121/1.5014843.
- Minerals Management Service (MMS). 2007. Programmatic environmental impact statement for alternative energy development and production and alternate use of facilities on the outer continental shelf – final environmental impact statement. U.S. Dept. of the Interior, Minerals Management Service, Herndon, VA. OCS EIS/EA MMS 2007-046.
- Minerals Management Service (MMS). 2009. Cape Wind Farm Energy Project final environmental impact statement. OCS Publication No. 2008-040. U.S. Department of the Interior, Bureau of Ocean Energy Management. [accessed 2021 Sep 01]. https://www.boem.gov/sites/default/files/uploadedFiles/BOEM/Renewable_Energy_Program/Studies/Cape%20Wind%20Energy%20Project%20FEIS.pdf.
- Mooney TA, Andersson MH, Stanley J. 2020. Acoustic impacts of offshore wind energy on fishery resources. An evolving source and varied effects across a wind farm’s lifetime. *Oceanography* 33:82–95.
- Mooney TA, Hanlon RT, Christensen-Dalsgaard J, Madsen PT, Ketten DR, Nachtigall PE. 2010. Sound detection by the longfin squid (*Loligo pealeii*) studied with auditory evoked potentials: sensitivity to low-frequency particle motion and not pressure. *Journal of Experimental Biology* 213(21): 3748-3759.
- National Oceanic and Atmospheric Administration (NOAA). 2019. U.S. national bycatch report first edition update 3. [accessed: 2022 Jul 01]. https://media.fisheries.noaa.gov/dam-migration/nbr_update_3.pdf.
- National Oceanic and Atmospheric Administration (NOAA). 2022a. Habitat conservation. Essential fish habitat. [accessed 2022 Jun 09]. <https://www.fisheries.noaa.gov/national/habitat-conservation/essential-fish-habitat>.

- National Oceanic and Atmospheric Administration (NOAA). 2022b. New England/Mid-Atlantic. [accessed 2022 Jun 09]. <https://www.fisheries.noaa.gov/region/new-england-mid-atlantic>.
- National Oceanic and Atmospheric Administration (NOAA). 2022c. 2022 state of the ecosystem New England. [accessed 2022 Jul 01]. https://apps-nefsc.fisheries.noaa.gov/rcb/publications/soe/SOE-NEFMC_2022-Final.pdf.
- New England Fishery Management Council (NEFMC). 2017. Omnibus essential fish habitat amendment 2 volume 2: EFH and HAPC designation alternatives and environmental impacts. [accessed 2021 Jun 01]. https://www.habitat.noaa.gov/protection/efh/efhmapper/oa2_efh_hapc.pdf.
- New York Department of Environmental Conservation (NYSDEC). 1974. DEC tidal wetland areas (dfw_tidal_wetlands). [accessed 2022 Jun 09]. <http://opdgig.dos.ny.gov/geoportal/catalog/search/resource/detailsnoheader.page?uuid={E8B21766F7F6-49B0-8346-58E71A8B3DF8}>.
- Newcombe CP, Macdonald DD. 1991. Effects of suspended sediments on aquatic ecosystems. *North American Journal of Fisheries Management* 11:72–82.
- Nilsson HC, Rosenberg R. 2003. Effects on marine sedimentary habitats of experimental trawling analyzed by sediment profile imagery. *Journal of Experimental Marine Biology and Ecology* 285–286:453–463.
- Normandeau Associates Inc. (Normandeau), Exponent Inc., Tricas T, Gill A. 2011. Effects of EMFs from undersea power cables on elasmobranch and other marine species. Camarillo, CA: U.S. Department of the Interior, Bureau of Ocean Energy Management, Regulation, and Enforcement, Pacific OCS Region. OCS Study BOEMRE 2011-09. pp.
- Ocean Wind, LLC (Ocean Wind). 2021. Construction and operations plan, Ocean Wind Offshore Wind Farm. Volumes I–III. March. [accessed 2022 Jun 01]. <https://www.boem.gov/ocean-wind-construction-and-operations-plan/>.
- Orpwood JE, Fryer RJ, Rycroft P, Armstrong JD. 2015. Effects of AC magnetic fields (MFs) on swimming activity in European eels *Anguilla*. *Scottish Marine and Freshwater Science* 6:8.
- Orr T, Wood S, Drunisc M, Perkins G. 2016. Development of guidance for lighting of offshore wind turbines beyond 12 nautical miles. US Dept. of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs, Sterling, VA. OCS Study BOEM 2: 138.
- Packard A, Karlsen HE, Sand O. 1990. Low frequency hearing in cephalopods. *Journal of Comparative Physiology A*. 166: 501–505. [accessed 2022 Jun 01]. https://tethys.pnnl.gov/sites/default/files/publications/Piet_et_al_2021.pdf
- Pangerc T, Robinson S, Theobald P, Galley L. 2016. Underwater sound measurement data during diamond wire cutting: First description of radiated noise. In *Proceedings of the Fourth International Conference on the Effects of Noise on Aquatic Life*. July 10–16. Dublin, Ireland.
- Piet GJ, Tamis JE, van der Wal JT, Jongbloed RH. 2021. Cumulative impacts of wind farms on the North Sea ecosystem. Report C081/21. Wageningen University and Research Center.

- Pinsky ML, Worm B, Fogarty MJ, Sarmiento JL, Levin SA. 2013. Marine taxa track local climate velocities. *Science* 341(6151):1239-42. 10.1126/science.1239352. PMID: 24031017
- Popper AN, Hawkins AD. 2019. An overview of fish bioacoustics and the impacts of anthropogenic sounds on fishes. *Journal of Fish Biology* 94(5): 692-713.
- Popper AN, Hawkins AD, Fay RR, Mann DA, Bartol S, Carlson TJ, Coombs S, Ellison WT, Gentry RL, Halvorsen MB, Løkkeborg S, Rogers PH, Southall BL, Zeddies DG, Tavolga WN. 2014. Sound exposure guidelines for fishes and sea turtles: a technical report prepared by ANSI Accredited Standards Committee S3/SC1 and registered with ANSI. ASA S3/SC1.4 TR-2014.
- Popper AN, Salmon M, Horch KW. 2001. Acoustic detection and communication by decapod crustaceans. *Journal of Comparative Physiology* 187:83–89.
- Rheuban JE, Kavanaugh MT, Doney SC. 2017. Implications of future northwest Atlantic bottom temperatures on the American Lobster (*Homarus americanus*) fishery. *Journal of Geophysical Research: Oceans* 122: 9387–9398. 10.1002/2017JC012949.
- Richardson NE, McCleave JD, Albert EH. 1976. Effect of extremely low frequency electric and magnetic fields on locomotor activity rhythms of Atlantic salmon (*Salmo salar*) and American eels (*Anguilla rostrata*). *Environmental Pollution* 10(1): 65–76.
- Richardson WJ, Greene CR, Malme CI, Thomson DH. 1995. *Marine mammals and noise*. San Diego, California: Academic Press.
- Roberts L, Cheesman S, Breithaupt T, Elliott M. 2015. Sensitivity of the mussel *Mytilus edulis* to substrate-borne vibration in relation to anthropogenically generated noise. *Marine Ecology Progress Series* 538: 185-195.
- Rosenberg R, Nilsson HC, Gremare A, Amoroux JM. 2003. Effects of demersal trawling on marine sedimentary habitats analyzed by sediment profile imagery. *Journal of Experimental Marine Biology and Ecology* 285–286:465–477.
- Rowe S, Hutchings JA. 2004. The function of sound production by Atlantic cod as inferred from patterns of variation in drumming muscle mass. *Canadian Journal of Zoology* 82: 1391–1398.
- Saba VS, Griffies MS, Anderson WG, Winton M, Alexander MA, Delworth TL, Zhang R. 2016. Enhanced warming of the Northwest Atlantic Ocean under climate change. *Journal of Geophysical Research-Oceans* 121(1), 118 132.
- Sarà G, Dean JM, D’Amato D, Buscaino G, Oliveri A, Genovese S, Ferro S, Buffa G, Lo Martire M, Mazzola S. 2007. Effect of boat noise on the behaviour of bluefin tuna *Thunnus thynnus* in the Mediterranean Sea. *Marine Ecology Progress Series* 331: 243–253.
- Schultze LKP, Merckelbach LM, Horstmann J, Raasch S, Carpenter Jr .2020. Increased mixing and turbulence in the wake of offshore wind farm foundations. *Journal of Geophysical Research: Oceans* 125(8): e2019JC015858.
- Scotti J, Stent J, Gerbino K. 2010. Final Report: New York Commercial fisherman ocean use mapping. Prepared for Cornell Cooperative Extension Marine Program.

- Sherwood J, Chidgey S, Crockett P, Gwyther D, Ho P, Stewart S, Strong D, Whitely B, Williams A. 2016. Installation and operational effects of a HVDC submarine cable in a continental shelf setting: Bass Strait, Australia. *Journal of Ocean Engineering and Science* 1: 337-353.
- Siceloff L, Howell H. 2013. Fine-scale temporal and spatial distributions of Atlantic cod (*Gadus morhua*) on a western Gulf of Maine spawning ground. *Fisheries Research* 141: 31-43.
<https://doi.org/10.1016/j.fishres.2012.04.001>.
- Slabbekoorn H, Dalen J, Haan D, Winter HV, Radford C, Ainslie MA, Heaney KD, Kooten T, Thomas L, Harwood J. 2019. Population-level consequences of seismic surveys on fishes: an interdisciplinary challenge. *Fish and Fisheries* 20:653-685.
- Snyder DB, Bailey WH, Palmquist K, Cotts BRT, Olsen KR. 2019. Evaluation of potential EMF effects on fish species of commercial or recreational fishing importance in Southern New England. U.S. Dept. of the Interior, Bureau of Ocean Energy Management, Headquarters, Sterling, VA. OCS Study BOEM 2019-049.
- Solan M, Hauton C, Godbold JA, Wood CL, Leighton TG, White P. 2016. Anthropogenic sources of underwater sound can modify how sediment-dwelling invertebrates mediate ecosystem properties. *Scientific Reports* 6: 1–9. Nature Publishing Group.
<http://dx.doi.org/10.1038/srep20540>.
- Solé M, Sigray P, Lenoir M, Van Der Schaar V, Lalander E, André M. 2017. Offshore exposure experiments on cuttlefish indicate received sound pressure and particle motion levels associated with acoustic trauma. *Scientific Reports* 7:45899.
- Stanley, J.A., S.M. Van Parijs, and L.T. Hatch. 2017. Underwater sound from vessel traffic reduces the effective communication range in Atlantic cod and haddock. *Scientific Reports* 7: 14633.
<https://doi.org/10.1038/s41598-017-14743-9>.
- Stantec. 2020. SFWF – Montauk O&M facility in-water work. Assessment of potential impacts to natural resources from in-water work. Prepared for Deepwater Wind South Fork, LLC by Stantec Consulting Services Inc.
- Stokesbury KDE. 2012. Stock definition and recruitment: implications for the U.S. Sea scallop (*Placopecten magellanicus*) fishery from 2003 to 2011. *Reviews in Fisheries Science* 20(3): 154-164.
- Stokesbury KDE. 2014. Final report: SMAST video survey of western portion of the offshore windfarm area. School for Marine Science and Technology, Dartmouth.
- Sumaila UR, Palacios-Abrantes J, Cheung W. 2020. Climate change, shifting threat points, and the management of transboundary fish stocks. *Ecology and Society* 25(4): Article 40.
- Sunrise Wind. 2021. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. October 2021. 998 p.

- Sunrise Wind. 2022. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.
- Taormina B, Bald J, Want A, Thouzeau G, Lejart M, Desroy N, Carlier A. 2018. A review of potential impacts of submarine power cables on the marine environment: Knowledge gaps, recommendations and future directions. *Renewable and Sustainable Energy Reviews*, Elsevier, 2018, 96, pp. 380–391.10.1016/j.rser.2018.07.026. hal-02405630.
- Thomsen F, Gill A, Kosecka M, Andersson M, Andre M, Degraer S, Folegot T, Gabriel J, Judd A, Neumann T, et al. 2015. MaRVEN – environmental impacts of noise, vibrations and electromagnetic emissions from marine renewable energy. RTD-KI-NA-27-738-EN-N. Final study report prepared for European Commission, Directorate General for Research and Innovation.
- Tougaard J, Hermannsen L, Madsen PT. 2020. How loud is the underwater noise from operating offshore wind turbines? *The Journal of the Acoustical Society of America* 148(5): 2885-2893.
- United States Fish and Wildlife Service (USFWS) and National Marine Fisheries Science (NMFS). 2018. Recovery plan for the Gulf of Maine distinct population segment of Atlantic salmon (*Salmo salar*). 74 p.
- United States Geological Survey (USGS). 2014. ECSTDB2014.SHP: U.S. Geological Survey east coast sediment texture database (2014): open-file report 2005-1001. U.S. Geological Survey, Coastal and Marine Geology Program, Woods Hole Coastal and Marine Science Center, Woods Hole, MA.
- Vabø R, Olsen K, Huse I. 2002. The effect of vessel avoidance of wintering Norwegian spring spawning herring. *Fisheries Research* 58: 59–77.
- Van Berkel J, Burchard H, Christensen A, Mortensen LO, Petersen OS, Thomsen F. The effects of offshore wind farms on hydrodynamics and implications for fishes. *Oceanography* 33(4): 108-117.
- Walsh HJ, Richardson DE, Marancik KE, Hare JA. 2015. Long-term changes in the distributions of larval and adult fish in the northeast U.S. shelf ecosystem. *PLoS One* 10(9): e0137382.
- Weilgart LS. 2007. The impacts of anthropogenic ocean noise on cetaceans and implications for management. *Canadian Journal of Zoology* 85(11):1091-1116.
- Weilgart L. 2018. The impact of ocean noise pollution on fish and invertebrates. Report by OceanCare. Dalhousie University.
- Wilber DH, Clarke DG, Gallo J, Alcoba CJ, Dilorenzo AM, Zappala SE. 2013. Identification of winter flounder (*Pseudopleuronectes americanus*) estuarine spawning habitat and factors influencing egg and larval distributions. *Estuaries and Coasts* 36:1304–1318.
- Zemeckis DR, Dean MJ, Cadrin SX. 2014. Spawning dynamics and associated management implications for Atlantic cod. *North American Journal of Fisheries Management* 34: 424–442.

Zemeckis DR, Dean MJ, DeAngelis AI, Van Parijs SM, Hoffman WS, Baumgartner MF, Hatch LT, Cadrin SX, McGuire CH. 2019. Identifying the distribution of Atlantic cod spawning using multiple fixed and glider-mounted acoustic technologies. *ICES Journal of Marine Science* 76(6): 1610–1625.

1.3.9 Marine Mammals

Albouy C, Delattre V, Donati G, Frölicher TL, Albouy-Boyer S, Rufino M, Pellissier L, Mouillot D, Leprieur F. 2020. Global vulnerability of marine mammals to global warming. *Scientific Reports* 10. 10.1038/s41598-019-57280-3.

Arnould JPY, Monk J, Ierodiaconou D, Hindell MA, Semmens J, Hoskins AJ, Costa DP, Abernathy K, Marshall GJ. 2015. Use of anthropogenic sea floor structures by Australian fur seals: Potential positive ecological impacts of marine industrial development? *PloS ONE* 10(7):e0130581. 10.1371/journal.pone.0130581.

Aschettino JM, Engelhaupt DT, Engelhaupt AG, DiMatteo A, Pusser T, Richlen MF, Bell JT. 2020. Satellite telemetry reveals spatial overlap between vessel high-traffic areas and humpback whales (*Megaptera novaeangliae*) near the mouth of the Chesapeake Bay. *Frontiers in Marine Science* 7(121). 10.3389/fmars.2020.00121.

Atlantic Marine Conservation Society. 2016. Harbor and gray seal surveys. Atlantic Marine Conservation Society. [accessed 2022 Jun 09]. <http://www.amseas.org/harbor-gray-seal-surveys>.

Bailey H, Brookes KL, Thompson PM. 2014. Assessing environmental impacts of offshore wind farms: Lessons learned and recommendations for the future. *Aquatic Biosystems* 10(1):1-13. 10.1186/2046-9063-10-8.

Baird RW. 2001. Status of harbour seals, *Phoca vitulina*, in Canada. *Canadian Field-Naturalist* 115(4):663-675.

Bald J, Hernández C, Uriarte A, Alonso D, Ruiz P, Ortega N, Enciso YT, Marina D. 2015. Acoustic characterization of submarine cable installation in the Biscay marine energy platform (bimep). In: Bilbao Marine Energy Week; Bilbao (Spain).

Barco S, McLellan W, Allen J, Asmutis R, Mallon-Day R, Meagher E, Pabst DA, Robbins J, Seton R, Swingle WM, et al. 2002. Population identity of humpback whales (*Megaptera novaeangliae*) in the waters of the U.S. mid-Atlantic states. *Journal of Cetacean Research and Management* 4(2):135-141.

Baulch S, Perry C. 2014. Evaluating the impacts of marine debris on cetaceans. *Marine Pollution Bulletin* 80(1–2):210-221. [accessed 2022 Jun 09]. <http://dx.doi.org/10.1016/j.marpolbul.2013.12.050>.

Behr RD, Reindel EM. 2008. Helicopter noise analysis for University of California San Francisco Mission Bay hospital site. Prepared by Harris Miller and Hanson Inc. for ESA Community Development.

Benjamins S, Harnois V, Smith HCM, Johanning L, Greenhill L, Carter C, Wilson B. 2014. Understanding the potential for marine megafauna entanglement risk from marine renewable energy developments. Scottish Natural Heritage. 95 p. Report No.: Commissioned Report No. 791.

- Bergström L, Kautsky L, Malm T, Rosenberg R, Wahlberg M, Åstrand CN, Wilhelmsson D. 2014. Effects of offshore wind farms on marine wildlife—a generalized impact assessment. *Environmental Research Letters* 9:1-12. 10.1088/1748-9326/9/3/034012.
- Boulva J. 1973. The harbour seal, *Phoca vitulina concolor*, in eastern Canada [Ph.D. diss.]. Dalhousie University.
- Brown D, Sutherland LC. 1980. Correction procedures for aircraft noise data, Vol. 5: propeller aircraft noise. Prepared by Wyle Laboratories for the U.S. Department of Transportation, Federal Aviation Administration.
- Brown DM, Robbins J, Sieswerda PL, Schoelkopf R, Parsons ECM. 2018. Humpback whale (*Megaptera novaeangliae*) sightings in the New York-New Jersey Harbor Estuary. *Marine Mammal Science* 34(1):250-257. 10.1111/mms.12450.
- Brown SG. 1986. Twentieth-century records of right whales (*Eubalaena glacialis*) in the northeast Atlantic Ocean. *Reports of the International Whaling Commission (Special Issue 10)*:121-127.
- Bureau of Ocean Energy Management (BOEM). 2013. Commercial wind lease issuance and site assessment activities on the Atlantic outer continental shelf offshore Rhode Island and Massachusetts. Revised Environmental Assessment. Herndon, Virginia: United States Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs.
- Bureau of Ocean Energy Management (BOEM). 2019. Guidelines for providing information on fisheries for renewable energy development on the Atlantic outer continental shelf pursuant to 30 CFR Part 585. Bureau of Ocean Energy Management Office of Renewable Energy Programs.
- Cetacean and Turtle Assessment Program (CETAP). 1982. Characterization of marine mammals and turtles in the Mid- and North Atlantic areas of the U.S. outer continental shelf - Final report of the Cetacean and Turtle Assessment Program. Prepared for U.S. Bureau of Land Management, Washington, D.C. by Cetacean and Turtle Assessment Program, University of Rhode Island, Graduate School of Oceanography, Kingston, Rhode Island.
- Clark CW, Brown MW, Corkeron P. 2010. Visual and acoustic surveys for North Atlantic right whales, *Eubalaena glacialis*, in Cape Cod Bay, Massachusetts, 2001–2005: Management implications. *Marine Mammal Science*. 26(4):837-854.
- Coates DA, Deschutter Y, Vincx M, Vanaverbeke J. 2014. Enrichment and shifts in macrobenthic assemblages in an offshore wind farm area in the Belgian part of the North Sea. *Marine Environmental Research* 95:1-12. 10.1016/j.marenvres.2013.12.008.
- Cole TVN, Hamilton P, Henry AG, Duley P, R.M. Pace III, White BN, Frasier T. 2013. Evidence of a North Atlantic right whale *Eubalaena glacialis* mating ground. *Endangered Species Research* 21:55-64.
- Committee on Taxonomy. 2021. List of marine mammal species and subspecies. Society for Marine Mammalogy. [accessed 2022 Jun 09]. <https://marinemammalscience.org/science-and-publications/list-marine-mammal-species-subspecies/>.

- Conn P, Silber K. 2013. Vessel speed restrictions reduce risk of collision-related mortality for North Atlantic right whales. *Ecosphere*: 4(4). <https://doi.org/10.1890/ES13-00004.1>
- Cremer MJ, Barreto AS, Hardt FAS, Júnior AJT, Mounayer R. 2009. Cetacean occurrence near an offshore oil platform in southern Brazil. *Biotemas* 23(3):247-251.
- Croll DA, Tershy BR, Acevedo A, Levin P. 1999. Marine vertebrates and low frequency sound. Split in 2 parts. University of California Santa Cruz, Institute of Marine Sciences, Marine Mammal and Seabird Ecology Group: Sanat Cruz, CA. 473 p.
- Davis GE, Baumgartner MF, Bonnell JM, Bell J, Berchok C, Bort Thornton J, Brault S, Buchanan G, Charif RA, Cholewiak D, et al. 2017. Long-term passive acoustic recordings track the changing distribution of North Atlantic right whales (*Eubalaena glacialis*) from 2004 to 2014. *Scientific Reports* 7(1):13460. 10.1038/s41598-017-13359-3.
- Davis GE, Baumgartner MF, Corkeron PJ, Bell J, Berchok C, Bonnell JM, Bort Thornton J, Brault S, Buchanan GA, Cholewiak DM, et al. 2020. Exploring movement patterns and changing distributions of baleen whales in the western North Atlantic using a decade of passive acoustic data. *Global Change Biology* 26(9):4812-4840. [accessed 2022 Jun 09]. <https://doi.org/10.1111/gcb.15191>.
- Denes SL, Weirathmueller MM, Zeddies DG. 2020. Foundation installation at South Fork Wind Farm: animal exposure modelling. Technical report by JASCO Applied Sciences for Jacobs Engineering Group Inc. Silver Spring (MD). 154 p.
- Department of Navy (DoN). 2005. Marine resources assessment for the Northeast operating areas: Atlantic City, Narragansett Bay, and Boston. Norfolk, Virginia: Department of the Navy, U.S. Fleet Forces Command.
- Dolman S, Williams-Grey V, Asmutis-Silvia R, Isaac S. 2006. Vessel collisions and cetaceans: what happens when they don't miss the boat. Chippenham (UK): Whale and Dolphin Conservation Society. 25 p.
- Edwards EF. 2015. Global distribution of fin whales *Balaenoptera physalus* in the post-whaling era (1980–2012). *Mammal Review* 45:197-214.
- Elliott J, Smith K, Gallien DR, Khan A. 2017. Observing cable laying and particle settlement during the construction of the Block Island Wind Farm. Final report to the U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 225 p. Report No. BOEM 2017-027.
- English PA, Mason TI, Backstrom JT, Tibbles BJ, Mackay AA, Smith MJ, Mitchell T. 2017. Improving efficiencies of National Environmental Policy Act documentation for offshore wind facilities case studies report. Prepared for U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs by Fugro Marine GeoServices Inc. and Fugro GB Marine Ltd. 296 p. Report No. BOEM 2017-026.

- Erbe C, Dunlop R, Dolman S. 2018. Chapter 10: Effects of noise on marine mammals. In: Slabbekoorn H, Dooling RJ, Popper AN, Fay RR, editors. *Effects of anthropogenic noise on animals*, Springer Handbook of Auditory Research. ASA Press and Springer. P. 277-309.
- Erbe C, Marley SA, Schoeman RP, Smith JN, Trigg LE, Embling CB. 2019. The effects of ship noise on marine mammals—a review. *Frontiers in Marine Science* 6. 10.3389/fmars.2019.00606.
- Estabrook BJ, Hodge KB, Salisbury DP, Rahaman A, Ponirakis D, Harris DV, Zeh JM, Parks SE, Rice AN. 2021. Final report for New York Bight whale monitoring passive acoustic surveys October 2017-October 2020. East Setauket, NY: Prepared for Division of Marine Resources, New York State Department of Environmental Conservation, Albany, NY by K. Lisa Yang Center for Conservation Bioacoustics, Cornell Lab of Ornithology, Cornell University, Ithaca, NY.
- Gardline. 2021a. Protected species observer interim report for the Sunrise Wind Offshore Wind Farm 2020 and 2021 geotechnical survey. Norfolk (England). 83 p.
- Gardline. 2021b. Protected species observer technical summary report for the Sunrise Wind Offshore Wind Farm geophysical survey 2019-2020. Norfolk (England). 75 p.
- Garrigue C, Greaves J. 2001. Cetacean records for the New Caledonian area (Southwest Pacific Ocean). *Micronesica* 34(1):27-33.
- Garrison LP, Rosel PE, Hohn A, Baird R, Hoggard W. 2003. Abundance of the coastal morphotype of bottlenose dolphin, *Tursiops truncatus*, in U.S. continental shelf waters between New Jersey and Florida during winter and summer 2002. NOAA Fisheries, Southeast Fisheries Science Center.
- Garrison LP, Rosel PE. 2017. Partitioning short-finned and long-finned pilot whale bycatch estimates using habitat and genetic information. 75 Virginia Beach Dr., Miami, FL 33140: Southeast Fisheries Science Center, Protected Resources and Biodiversity Division. 24 p. Report No.: PRBD Contribution # PRBD-2016-17.
- Gilbert JR, Guldager N. 1998. Status of harbor and gray seal populations in northern New England. Woods Hole, Massachusetts: National Marine Fisheries Service.
- Grieve BD, Hare JA, Saba VS. 2017. Projecting the effects of climate change on *Calanus finmarchicus* distribution within the U.S. Northeast Continental Shelf. *Scientific Reports* 7(1):6264. 10.1038/s41598-017-06524-1.
- Hamilton PK, Frasier BA, Conger LA, George RC, Jackson KA, Frasier TR. 2022. Genetic identifications challenge our assumptions of physical development and mother–calf associations and separation times: a case study of the North Atlantic right whale (*Eubalaena glacialis*). *Mammalian Biology* (2022). 10.1007/s42991-021-00177-4.
- Hamilton PK, Mayo CA. 1990. Population characteristics of right whales (*Eubalaena glacialis*) observed in Cape Cod and Massachusetts Bays, 1978-1986. *Reports of the International Whaling Commission (Special Issue 12):203-208*.
- Hammar L, Andersson S, Rosenberg R. 2010. Adapting offshore wind power foundations to local environment. Prepared for the Swedish Environmental Protection Agency by Vindval. 87 p.

- Hammill MO, Stenson GB, Myers RA, Stobo WT. 1998. Pup production and population trends of the grey seal (*Halichoerus grypus*) in the Gulf of St. Lawrence. *Canadian Journal of Fisheries and Aquatic Sciences* 55:423-430.
- Harry CT, DiGiovanni Jr. RA, Walton WJ, Barco SG. 2005. Characterizing stranding trends in Virginia and North Carolina from 2000-2005. In: Abstracts, Sixteenth Biennial Conference of the Biology of Marine Mammals; 12-16 December 2005; San Diego, California. 122 p.
- Hatch LT, Clark CW, Van Parijs SM, Frankel AS, Ponirakis DW. 2012. Quantifying loss of acoustic communication space for right whales in and around a U.S. national marine sanctuary. *Conservation Biology* 26(6):983-994. [accessed 2022 Jun 09]. <https://doi.org/10.1111/j.1523-1739.2012.01908.x>.
- Hayes SA, E. Josephson, K. Maze-Foley, and P.E. Rosel. 2018. U.S. Atlantic and Gulf of Mexico marine mammal stock assessments 2017 (second edition). Woods Hole, Massachusetts: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Northeast Fisheries Science Center. 378 p. Report No. NOAA Technical Memorandum NMFS-NE-245.
- Hayes SA, Josephson E, Maze-Foley K, Rosel PE. 2020. U.S. Atlantic and Gulf of Mexico marine mammal stock assessments – 2019. NOAA Technical Memorandum NMFS-NE-264.
- Hayes SA, Josephson E, Maze-Foley K, Rosel PE, Turek J, eds. 2021. U.S. Atlantic and Gulf of Mexico marine mammal stock assessments 2020. Woods Hole, Massachusetts: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Northeast Fisheries Science Center. 403 p. Report No. NOAA Technical Memorandum NMFS-NE-271.
- HDR. 2019. Field observations during wind turbine operations at the Block Island Wind Farm, Rhode Island. Final report to the U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 281 p. Report No. OCS Study BOEM 2019-028.
- Horwood J. 1987. The sei whale: population biology, ecology, & management. New York, New York: Croom Helm in association with Methuen, Inc. 375 p.
- Hutchinson ZL, Sigray P, He H, Gill A, King J, Gibson C. 2018. Electromagnetic field (EMF) impacts on elasmobranch (shark, rays, and skates) and American lobster movement and migration from direct current cables. OCS Study BOEM 2018-003. Prepared for U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs by The Coastal Mapping Laboratory, Graduate School of Oceanography, University of Rhode Island.
- Jansen E, de Jong C. 2016. Underwater noise measurements in the North Sea in and near the Princess Amalia Wind Farm in operation. In: Proceedings of the Inter-Noise 2016 Conference, August 21–24 Hamburg, Germany.
- Jefferson TA, Fertl D, Bolaños-Jiménez J, Zerbini AN. 2009. Distribution of common dolphins (*Delphinus* spp.) in the western Atlantic Ocean: A critical re-examination. *Marine Biology* 156:1109-1124.

- Jefferson TA, Webber MA, Pitman RL. 2015. Marine mammals of the world: A comprehensive guide to their identification. Second edition. San Diego, California: Academic Press.
- Jensen FH, Bejder L, Wahlberg M, N. Aguilar Soto, Johnson M, Madsen PT. 2009. Vessel noise effects on delphinid communication. *Marine Ecology Progress Series* 395:161-175.
- Jepson P, Deaville R, Barber J, Brownlow A, Barnett J, Berrow S, Cunningham AA, Davison NJ, Ten Doeschate M, Esteban R, Ferreira M, Foote AD, Genov T, Giménez J, Loveridge J, Llavona Á, Martin V, Maxwell DL, Papachlitzou A, Penrose R, Perkins MW, Smith B, de Stephanis R, Tregenza N, Verborgh P, Fernandez A, Law RJ. 2016. PCB pollution continues to impact populations of orcas and other dolphins in European waters. *Sci Rep* 6:18573. <https://doi.org/10.1038/srep18573>
- Jones DV, Rees DR. 2021. Haul-out counts and photo-identification of pinnipeds in Chesapeake Bay and Eastern Shore, Virginia: 2019/2020 annual progress report. Final Report. Norfolk, Virginia: Prepared for U.S. Fleet Forces Command. 45 p.
- Josephson E, Wenzel F, Lyssikatos MC. 2021. Serious injury determinations for small cetaceans and pinnipeds caught in commercial fisheries off the Northeast U.S. coast, 2014–2018. Washington (DC): US Department of Commerce. 38 p. Report No. Northeast Fisheries Science Center Reference Document 21-04.
- Katona SK, Beard JA. 1990. Population size, migrations and feeding aggregations of the humpback whale (*Megaptera novaeangliae*) in the western North Atlantic Ocean. *Reports of the International Whaling Commission*. (Special Issue 12):295-305.
- Katona SK, Rough V, Richardson DT. 1993. A field guide to whales, porpoises, and seals from Cape Cod to Newfoundland. Washington, D.C.: Smithsonian Institution Press. 316 p.
- Kellar NM, Speakman TR, Smith CR, Lane SM, Balmer BC, Trego ML, Catelani KN, Robbins MN, Allen CD, Wells RS, et al. 2017. Low reproductive success rates of common bottlenose dolphins *Tursiops truncatus* in the northern Gulf of Mexico following the Deepwater Horizon disaster (2010-2015). *Endangered Species Research* 33. [accessed 2022 Jun 09]. <http://dx.doi.org/10.3354/esr00775>.
- Kenney RD, Vigness-Raposa KJ. 2010. Technical report 10. Marine mammals and sea turtles of Narragansett Bay, Block Island Sound, Rhode Island Sound, and nearby waters: an analysis of existing data for the Rhode Island Ocean Special Area Management Plan. Wakefield, Rhode Island: Rhode Island Coastal Resources Management Council. Appendix A, 634-970 p. For FULL appendix – P:\Marine Sciences\Endnote\Scanned PDF Literature\rhode island ocean SAMP 2010\Appendices\Appendix A-full.
- Kenney RD, Winn HE, Macaulay MC. 1995. Cetaceans in the Great South Channel, 1979-1989: Right whale (*Eubalaena glacialis*). *Continental Shelf Research* 15:385-414.
- Kenney RD, Winn HE. 1987. Cetacean biomass densities near submarine canyons compared to adjacent shelf/slope areas. *Continental Shelf Research* 7:107-114.
- Kenney RD. 1990. Bottlenose dolphins off the northeastern United States. In: Leatherwood S, Reeves RR, editors. *The bottlenose dolphin*. San Diego, California: Academic Press. p. 369-386.

- Kenney RD. 2001. Anomalous 1992 spring and summer right whale (*Eubalaena glacialis*) distributions in the Gulf of Maine. *Journal of Cetacean Research and Management (Special Issue 2)*:209-223.
- Kirkpatrick AJ, Benjamin S, DePiper GS, Murphy T, Steinback S, Demarest C. 2017. Socio-economic impact of outer continental shelf wind energy development on fisheries in the U.S. Atlantic. volume I—report narrative. Washington (DC): U.S Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 154 p. Report No. BOEM 2017-012.
- Kirschvink JL. 1990. Geomagnetic sensitivity in cetaceans: an update with live stranding records in the United States. *Sensory Abilities of Cetaceans*. NATO ASI Series, vol 196. Springer, Boston, MA. https://doi.org/10.1007/978-1-4899-0858-2_45.
- Knowlton AR, Hamilton PK, Marx MK, Pettis HM, Kraus SD. 2012. Monitoring North Atlantic right whale *Eubalaena glacialis* entanglement rates: a 30 yr retrospective. *Marine Ecology Progress Series* 466:293-302.
- Knowlton AR, Kraus SD. 2001. Mortality and serious injury of northern right whales (*Eubalaena glacialis*) in the western North Atlantic Ocean. *Journal of Cetacean Research and Management (Special Issue 2)*:193-208.
- Knowlton AR, Robbins J, Landry S, McKenna HA, Kraus SD, Werner TB. 2016. Effects of fishing rope strength on the severity of large whale entanglements. *Conservation Biology* 30(2):318-328.
- Kraus SD, Brown MW, Caswell H, Clark CW, Fujiwara M, Hamilton PK, Kenney RD, Knowlton AR, Landry S, Mayo CA, et al. 2005. North Atlantic right whales in crisis. *Science* 309:561-562.
- Kraus SD, Kenney RD, Thomas L. 2019. A framework for studying the effects of offshore wind development on marine mammals and turtles. Prepared for the Massachusetts Clean Energy Center and the Bureau of Ocean Energy Management by the Anderson Cabot Center for Ocean Life and the Centre for Research into Ecological and Environmental Modelling. 48 p.
- Kraus SD, Leiter S, Stone K, Wikgren B, Mayo C, Hughes P, Kenney RD, Clark CW, Rice AN, Estabrook B, Tielens J. 2016. Northeast large pelagic survey collaborative aerial and acoustic surveys for large whales and sea turtles. OCS Study BOEM 2016-054. Sterling, Virginia: US Department of the Interior, Bureau of Ocean Energy Management.
- Kraus SD, Leiter SM, Wikgren B, Kenney RD, Mayo C, Hughes P, Tielens JT, Estabrook BJ, Rice AN. 2014. Aerial and acoustic surveys of whales and sea turtles for offshore wind energy planning in Massachusetts: Year 2 report.
- Kraus SD, Taylor JKD, Wikgren B, Kenney RD, Mayo C, Ganley L, Hughes P, Clark CW, Rice AN. 2013. Field surveys of whales and sea turtles for offshore wind planning in Massachusetts 2011-2012.
- LaBrecque E, Curtice C, Harrison J, Parijs SMV, Halpin PN. 2015. Biologically important areas for cetaceans within U.S. waters – East Coast region. *Aquatic Mammals* 41(1):17-29. 10.1578/AM.41.1.2015.17.
- Laist DW, Knowlton AR, Mead JG, Collet AS, Podesta M. 2001. Collisions between ships and whales. *Marine Mammal Science* 17(1):35-75.

- Laist DW. 1997. Impacts of marine debris: Entanglement of marine life in marine debris including a comprehensive list of species with entanglement and ingestion records. In: Coe JM, Rogers DB, editors. *Marine debris: Sources, impacts, and solutions*. New York, New York: Springer-Verlag. P. 99-139.
- Langhamer O. 2012. Artificial reef effect in relation to offshore renewable energy conversion: state of the art. *The Scientific World Journal* 2012:8.
- Lesage V, Hammill MO. 2001. The status of the grey seal, *Halichoerus grypus*, in the Northwest Atlantic. *Canadian Field-Naturalist* 115(4):653-662.
- Lewison R, Crowder L, Wallace B, et al. 2014. Global patterns of marine mammal, seabird, and sea turtle bycatch reveal taxa-specific and cumulative megafauna hotspots. *Proceedings of the National Academy of Sciences*. 111(14): 5271-5276. 10.1073/pnas.1318960111
- Lindeboom HJ, Kouwenhoven HJ, Bergman MJN, Bouma S, Brasseur S, Daan R, Fijn RC, de Haan D, Dirksen S, van Hal R, et al. 2011. Short-term ecological effects of an offshore wind farm in the Dutch coastal zone; a compilation. *Environmental Research Letters* 6(3):035101. 10.1088/1748-9326/6/3/035101.
- Long C. 2017. Analysis of the possible displacement of bird and marine mammal species related to the installation and operation of marine energy conversion systems. Scottish Natural Heritage Commissioned Report No. 947.
- MacLeod CD. 2009. Global climate change, range changes and potential implications for the conservation of marine cetaceans: A review and synthesis. *Endangered Species Research* 7:125-136.
- Madsen PT, Wahlberg M, Tougaard J, Lucke K, Tyack P. 2006. Wind turbine underwater noise and marine mammals: Implications of current knowledge and data needs. *Marine Ecology Progress Series* 309:279-295.
- Martin J, Sabatier W, Gowan TA, Giraud C, Gurarie E, Calleson CS, Ortega-Ortiz JG, Deutsch CJ, Rycyk A, Koslovsky SM. 2016. A quantitative framework for investigating risk of deadly collisions between marine wildlife and boats. *Methods in Ecology and Evolution* 7:42-50. Doi:10.1111/2041-210X.12447.
- Mate BR, Stafford KM, Nawojchik R, Dunn JL. 1994. Movements and dive behavior of a satellite-monitored Atlantic white-sided dolphin (*Lagenorhynchus acutus*) in the Gulf of Maine. *Marine Mammal Science* 10(1):116-121.
- Mayo CA, Ganley L, Hudak CA, Brault S, Marx MK, Burke E, Brown MW. 2018. Distribution, demography, and behavior of North Atlantic right whales (*Eubalaena glacialis*) in Cape Cod Bay, Massachusetts, 1998–2013. *Marine Mammal Science* 34:979-996. 10.1111/mms.12511.
- Mazet JA, Gardner IA, Jessup DA, Lowenstine LJ. 2001. Effects of petroleum on mink applied as a model for reproductive success in sea otters. *Journal of Wildlife Diseases* 37(4):686-692. 10.7589/0090-3558-37.4.686.

- McConnell BJ, Fedak MA, Lovell P, Hammond PS. 1999. Movements and foraging areas of grey seals in the North Sea. *Journal of Applied Ecology* 36:573-590.
- Mikkelsen L, Mouritsen KN, Dahl K, Teilmann J, Tougaard J. 2013. Re-established stony reef attracts harbour porpoises *Phocoena phocoena*. *Marine Ecology Progress Series* 481:239-248.
- Miller JH, Potty GR. 2017. Measurements of underwater sound radiated from an offshore wind turbine. *The Journal of the Acoustical Society of America* 142(4):2699. 10.1121/1.5014843.
- Minerals Management Service (MMS). 2007. Programmatic environmental impact statement for alternative energy development and production and alternate use of facilities on the outer continental shelf. Final environmental impact statement. Volume I: executive summary through chapter 4. OCS EIS/EA MMS 2007-046 Herndon, Virginia: U.S. Department of the Interior.
- Mohr FC, Lasley B, Bursian S. 2008. Chronic oral exposure to bunker C fuel oil causes adrenal insufficiency in ranch mink (*Mustela vison*). *Archives of Environmental Contamination and Toxicology* 54(2):337-347. 10.1007/s00244-007-9021-5.
- Moore MJ, van der Hoop JM. 2012. The painful side of trap and fixed net fisheries: chronic entanglement of large whales. *Journal of Marine Biology* 2012:230653. 10.1155/2012/230653.
- Muir DCG, Norstrom RJ, Simon M. 1988. Organochlorine contaminants in arctic marine food chains: accumulation of specific polychlorinated biphenyls and chlordane-related compounds. *Environmental Science & Technology* 22(9):1071-1079.
- Mullin KD, Fulling GL. 2003. Abundance of cetaceans in the southern U.S. North Atlantic Ocean during summer 1998. *Fishery Bulletin* 101:603-613.
- Mussoline SE, Risch D, Hatch LT, Weinrich MT, Wiley DN, Thompson MA, Corkeron PJ, S.M. Van Parijs. 2012. Seasonal and diel variation in North Atlantic right whale up-calls: implications for management and conservation in the northwestern Atlantic Ocean. *Endangered Species Research* 17:17-26.
- National Marine Fisheries Service (NMFS). 2008. Endangered fish and wildlife; Final rule to implement speed restrictions to reduce the threat of ship collisions with North Atlantic right whales. *Federal Register* 73(198):60173-60191.
- National Marine Fisheries Service (NMFS). 2016a. Endangered and threatened species; critical habitat for endangered North Atlantic right whale. *Federal Register*. 4838-4874 p.
- National Marine Fisheries Service (NMFS). 2016b. Endangered Species Act section 7 consultation on the continued prosecution of fisheries and ecosystem research conducted and funded by the Northeast Fisheries Science Center and the issuance of a letter of authorization under the Marine Mammal Protection Act for the incidental take of marine mammals pursuant to those research activities. PCTS ID: NER-2015-12532.
- National Marine Fisheries Service (NMFS). 2018. 2018 Revision to: Technical guidance for assessing the effects of anthropogenic sound on marine mammal hearing (Version 2.0). Underwater acoustic thresholds for onset of permanent and temporary threshold shifts. U.S. Department of Commerce, National Oceanic and Atmospheric Administration.

- National Marine Fisheries Service (NMFS). 2020. Endangered Species Act section 7 consultation biological opinion: construction, operation, maintenance, and decommissioning of the Vineyard Wind Offshore Energy Project (Lease OCS-A 0501). National Marine Fisheries Service, Greater Atlantic Regional Fisheries Office. Report No.: GAFO-2019-00343.
- National Marine Fisheries Service (NMFS). 2022. Draft U.S. Atlantic and Gulf of Mexico marine mammal stock assessments 2021. National Marine Fisheries Service.
- National Oceanic and Atmospheric Administration (NOAA). 2021. Final environmental impact statement, regulatory impact review, and final regulatory flexibility analysis for amending the Atlantic Large Whale Take Reduction Plan: Risk reduction rule. Prepared by NOAA's National Marine Fisheries Service and Industrial Economics, Incorporated.
- National Oceanic and Atmospheric Administration (NOAA). 2022. Section 7 effect analysis: turbidity in the Greater Atlantic Region. National Oceanic and Atmospheric Administration, U.S. Department of Commerce. [updated 2021 Oct 15; accessed 2022 Jun 09].
<https://www.fisheries.noaa.gov/new-england-mid-atlantic/consultations/section-7-effect-analysis-turbidity-greater-atlantic-region>.
- National Oceanic and Atmospheric Administration- Fisheries (NOAA). 2022a. 2016–2022 humpback whale unusual mortality event along the Atlantic coast. National Oceanic and Atmospheric Administration, Department of Commerce. [accessed 2022 Jun 09].
<https://www.fisheries.noaa.gov/national/marine-life-distress/2016-2022-humpback-whale-unusual-mortality-event-along-atlantic-coast>.
- National Oceanic and Atmospheric Administration- Fisheries (NOAA). 2022b. 2017–2022 minke whale unusual mortality event along the Atlantic coast. National Oceanic and Atmospheric Administration, Department of Commerce. [accessed 2022 Jun 09].
<https://www.fisheries.noaa.gov/national/marine-life-distress/2017-2022-minke-whale-unusual-mortality-event-along-atlantic-coast>.
- National Oceanic and Atmospheric Administration- Fisheries (NOAA). 2022c. 2017–2022 North Atlantic right whale unusual mortality event. National Oceanic and Atmospheric Administration, Department of Commerce. [accessed 2022 Jun 09].
<https://www.fisheries.noaa.gov/national/marine-life-distress/2017-2022-north-atlantic-right-whale-unusual-mortality-event#causes-of-the-north-atlantic-right-whale-ume>.
- National Oceanic and Atmospheric Administration- Fisheries (NOAA). 2022d. 2018–2020 pinniped unusual mortality event along the Northeast coast. National Oceanic and Atmospheric Administration, Department of Commerce. [accessed 2022 Jun 09].
<https://www.fisheries.noaa.gov/new-england-mid-atlantic/marine-life-distress/2018-2020-pinniped-unusual-mortality-event-along>.
- National Oceanic and Atmospheric Administration-Marine Debris Program (NOAA-MDP). 2014a. Report on the entanglement of marine species in marine debris with an emphasis on species in the United States. Silver Spring, MD. 28 pp. Silver Spring (MD): National Oceanic and Atmospheric Administration Marine Debris Program. 28 p.

- National Oceanic and Atmospheric Administration-Marine Debris Program (NOAA-MDP). 2014b. Report on the occurrence and health effects of anthropogenic debris ingested by marine organisms. Silver Spring (MD): National Oceanic and Atmospheric Administration Marine Debris Program. 19 p.
- Nedwell J, Edwards B, Turnpenny AWF, and Gordon J. 2004. Fish and marine mammal audiograms: a summary of available information. Prepared by Subacoustic Ltd. Report No. 534R0214.
- Nedwell J, Howell D. 2004. A review of offshore windfarm related underwater noise sources. 63 p.
- New York State Energy Research & Development Authority (NYSERDA). 2020. Digital aerial baseline survey of marine wildlife in support of offshore wind energy. Third annual report: Summer 2016–Spring 2019, Sixth interim report. Prepared for New York State Energy Research and Development Authority by Normandeau Associates Inc. with APEM Ltd.
- Nichols OC, Kenney RD, Brown MW. 2008. Spatial and temporal distribution of North Atlantic right whales (*Eubalaena glacialis*) in Cape Cod Bay, and implications for management. Fishery Bulletin 106(3):270-280.
- Nichols OC, Kenney RD, Brown MW. 2008. Spatial and temporal distribution of North Atlantic right whales (*Eubalaena glacialis*) in Cape Cod Bay, and implications for management. Fishery Bulletin 106(3):270-280.
- Northridge S. 1996. Seasonal distribution of harbour porpoises in US Atlantic waters. Reports of the International Whaling Commission 46:613-617.
- Nowacek DP, Thorne LH, Johnston DW, Tyack PL. 2007. Responses of cetaceans to anthropogenic noise. Mammal Review 37(3):81–115.
- O’Brien O, McKenna K, Hodge B, Pendleton D, Baumgartner M, Redfern J. 2021a. Megafauna aerial surveys in the Wind Energy Areas of Massachusetts and Rhode Island with emphasis on large whales. Summary Report – Campaign 5, 2018-2019. US Department of the Interior, Bureau of Ocean Energy Management.
- O’Brien O, McKenna K, Pendleton D, Redfern J. 2021b. Megafauna aerial surveys in the wind energy areas of Massachusetts and Rhode Island with emphasis on large whales: Interim Report Campaign 6A, 2020.
- Orr TL, Herz SM, Oakley DL. 2013. Evaluation of lighting schemes for offshore wind facilities and impacts to local environments. OCS study, BOEM 2013-0116. Prepared for U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs, Herndon, Virginia by ESS Group Inc. East Providence, Rhode Island.
- Palka D. 1995. Abundance estimate of the Gulf of Maine harbor porpoise. Reports of the International Whaling Commission. (Special Issue 16):27-50.
- Palka D. 2000. Abundance of the Gulf of Maine/Bay of Fundy harbor porpoise based on shipboard and aerial surveys during 1999. Woods Hole, Massachusetts: National Marine Fisheries Service.

- Palka D, Aichinger Dias L, Broughton E, Chavez-Rosales S, Cholewiak D, Davis G, DeAngelis A, Garrison L, Haas H, Hatch J, et al. 2021a. Atlantic marine assessment program for protected species: 2015-2019. Appendix I: generalize additive density-habitat models and maps, by species. Washington, DC: U.S. Department of the Interior, Bureau of Ocean Energy Management. 438 p. Report No.: Supplement to Final Report BOEM 2021-051.
- Palka D, Aichinger Dias L, Broughton E, Chavez-Rosales S, Cholewiak D, Davis G, DeAngelis A, Garrison L, Haas H, Hatch J, et al. 2021b. Atlantic marine assessment program for protected species: 2015-2019. Appendix II: species distribution maps of sightings not used in density-habitat models. Washington, DC: U.S. Department of the Interior, Bureau of Ocean Energy Management. 10 p. Report No.: Supplement to Final Report BOEM 2021-051.
- Palka D, Aichinger Dias L, Broughton E, Chavez-Rosales S, Cholewiak D, Davis G, DeAngelis A, Garrison L, Haas H, Hatch J, et al. 2021c. Atlantic marine assessment program for protected species: 2015-2019. Appendix III: distribution and abundance patterns by wind energy areas. Washington, DC: U.S. Department of the Interior, Bureau of Ocean Energy Management. 47 p. Report No.: Supplement to Final Report BOEM 2021-051.
- Palka D, Aichinger Dias L, Broughton E, Chavez-Rosales S, Cholewiak D, Davis G, DeAngelis A, Garrison L, Haas H, Hatch J, et al. 2021d. Atlantic marine assessment program for protected species: FY15 – FY19. Washington, DC: U.S. Department of the Interior, Bureau of Ocean Energy Management. 330 p. Report No.: OCS Study BOEM 2021-051.
- Palka D, Read A, Potter C. 1997. Summary of knowledge of white-sided dolphins (*Lagenorhynchus acutus*) from US and Canadian Atlantic waters. Reports of the International Whaling Commission 47:729-734.
- Palka DL, Chavez-Rosales S, Josephson E, Cholewiak D, Haas HL, Garrison L, Jones M, Sigourney D, Waring G, Jech M, Broughton E, Soldevilla M, Davis G, DeAngelis A, Sasso CR, Winton MV, Smolowitz RJ, Fay G, LaBrecque E, Leiness JB, Dettloff, Warden M, Murray K, Orphanides C. 2017. Atlantic marine assessment program for protected species: 2010-2014. Appendix I. Washington, DC: U.S. Dept. of the Interior, Bureau of Ocean Energy Management, Atlantic OCS Region. 412 p. Report No.: Supplement to Final Report BOEM 2017-071.
- Pangerc T, Robinson S, Theobald P, Galley L. 2016. Underwater sound measurement data during diamond wire cutting: First description of radiated noise. In: Proceedings of the Fourth International Conference on the Effects of Noise on Aquatic Life July 10–16 Dublin, Ireland.
- Patenaude NJ, Richardson WJ, Smultea MA, Koski WR, Miller GW. 2002. Aircraft sound and disturbance to bowhead and beluga whales during spring in the Alaskan Bering Sea. Marine Mammal Science 18(2):309-335.
- Patrician MR, Biedron IS, Esch HC, Wenzel FW, Cooper LA, Hamilton PK, Glass AH, Baumgartner MF. 2009. Evidence of a North Atlantic right whale calf (*Eubalaena glacialis*) born in northeastern U.S. waters. Marine Mammal Science 25(2):462-477.

- Payne PM, Heinemann DW. 1993. The distribution of pilot whales (*Globicephala* spp.) in shelf/shelf-edge and slope waters of the Northeastern United States, 1978-1988. Reports of the International Whaling Commission (Special Issue 14):51-68.
- Payne PM, Selzer LA, Knowlton AR. 1984. Distribution and density of cetaceans, marine turtles, and seabirds in the shelf waters of the northeastern United States, June 1980 – December 1983, based on shipboard observations. Woods Hole, Massachusetts: National Marine Fisheries Service.
- Perrin WF, Mitchell ED, Mead JG, Caldwell DK, Caldwell MC, van Bree PJH, Dawbin WH. 1987. Revision of the spotted dolphins, *Stenella* spp. Marine Mammal Science 3(2):99-170.
- Perry SL, DeMaster DP, Silber GK. 1999. The great whales: History and status of six species listed as endangered under the U.S. Endangered Species Act of 1973. Marine Fisheries Review 61(1):1-74.
- Pettis HM, Pace RMI, Hamilton PK. 2022. North Atlantic Right Whale Consortium 2021 Annual Report Card. Report to the North Atlantic Right Whale Consortium.
- Pierce GJ, Santos MB, Murphy S, Learmonth JA, Zuur AF, Rogan E, Bustamante P, Caurant F, Lahaye V, Ridoux V, et al. 2008. Bioaccumulation of persistent organic pollutants in female common dolphins (*Delphinus delphis*) and harbour porpoises (*Phocoena phocoena*) from western European seas: Geographical trends, causal factors and effects on reproduction and mortality. Marine Pollution 153(2):401-415.
- Pugliares KR, French TW, Jones GS, Niemeyer ME, Wilcox LA, Freeman BJ. 2016. First records of the short-finned pilot whale (*Globicephala macrorhynchus*) in Massachusetts, USA: 1980 and 2011. Aquatic Mammals 42(3):357-362.
- Pyć C, Zeddies D, Denes S, Weirathmueller M. 2018. Appendix III-M: Revised draft – Supplemental Information for the assessment of potential acoustic and non-acoustic impact producing factors on marine fauna during construction of the Vineyard Wind project. Document 001639, Version 3.1. Prepared by JASCO Applied Sciences (USA) Inc. for Vineyard Wind.
- Quintana E, Kraus S, Baumgartner M. 2019. Megafauna aerial surveys in the Wind Energy Areas of Massachusetts and Rhode Island with emphasis on large whales. Summary report – Campaign 4, 2017-2018. Prepared by New England Aquarium, Anderson Cabot Center for Ocean Life and Woods Hole Oceanographic Institution.
- Read AJ, Drinker P, Northridge S. 2006. Bycatch of marine mammals in U.S. and global fisheries. Conservation Biology 20(1):163-169.
- Read AJ. 1999. Harbour porpoise *Phocoena phocoena* (Linnaeus, 1758). In: Ridgway SH, Harrison R, editors. Handbook of marine mammals. San Diego, California: Academic Press. P. 323-355.
- Record NR, Runge JA, Pendleton DE, Balch WM, Davies KTA, Pershing AJ, Johnson CL, Stamieszkin K, Ji R, Feng Z, Kraus SD, Kenney RD, Hudak CA, Mayo CA, Chen C, Salisbury JE, Thompson CRS. 2019. Rapid climate-driven circulation changes threaten conservation of endangered North Atlantic right whales. Oceanography 32(2); 162–169. [accessed 2022 Jun 09]. <https://doi.org/10.5670/oceanog.2019.201>.

- Robbins P. 2001. Fixed categories in a portable landscape: the causes and consequences of land-cover categorization. *Environment and Planning A*. 33(1): 161-179.
- Roberts JJ, Best BD, Mannocci L, Fujioka E, Halpin PN, Palka DL, Garrison LP, Mullin KD, Cole TVN, Khan CB, et al. 2016. Habitat-based cetacean density models for the U.S. Atlantic and Gulf of Mexico. *Scientific Reports* 6:22615.
- Roberts JJ, Mannocci L, Halpin PN. 2017. Final project report: Marine species density data gap assessments and update for the AFTT Study Area, 2016-2017 (Opt. Year 1). Document version 1.4. Report prepared for Naval Facilities Engineering Command, Atlantic by the Duke University Marine Geospatial Ecology Lab, Durham, NC.
- Roberts JJ, Mannocci L, Schick RS, Halpin PN. 2018. Final project report: Marine species density data gap assessments and update for the AFTT Study Area, 2017-2018 (Opt. Year 2). Document version 1.2. Report prepared for Naval Facilities Engineering Command, Atlantic by the Duke University Marine Geospatial Ecology Lab, Durham, NC.
- Rolland RM, Parks SE, Hunt KE, Castellote M, Corkeron PJ, Nowacek DP, Wasser SK, Kraus SD. 2012. Evidence that ship noise increases stress in right whales. *Proceedings of the Royal Society B: Biological Sciences* 279(1737):2363-2368. 10.1098/rspb.2011.2429.
- Rone BK, Pace I, Richard M. 2012. A simple photograph-based approach for discriminating between free-ranging long-finned (*Globicephala melas*) and short-finned (*G. macrorhynchus*) pilot whales off the east coast of the United States. *Marine Mammal Science* 28(2):254-275. [accessed 2022 Jun 09]. <https://doi.org/10.1111/j.1748-7692.2011.00488.x>.
- Russell DJF, Brasseur SMJM, Thompson D, Hastie GD, Janik VM, Aarts G, McClintock BT, Matthiopoulos J, Moss SEW, McConnell B. 2014. Marine mammals trace anthropogenic structures at sea. *Current Biology* 24(14):R638-R639. [accessed 2022 Jun 09]. <https://doi.org/10.1016/j.cub.2014.06.033>.
- Scheidat M, Tougaard J, Brasseur S, Carstensen J, van Polanen Petel T, Teilmann J, Reijnders P. 2011. Harbour porpoises (*Phocoena phocoena*) and wind farms: a case study in the Dutch North Sea. *Environmental Research Letters* 6(2):025102. 10.1088/1748-9326/6/2/025102.
- Schneider DC, Payne PM. 1983. Factors affecting haul-out of harbor seals at a site in southeastern Massachusetts. *Journal of Mammalogy* 64(3):518-520.
- Schroeder CL. 2000. Population status and distribution of the harbor seal in Rhode Island waters [Master's thesis]. University of Rhode Island.
- Scott TM, Sadove SS. 1997. Sperm whale, *Physeter macrocephalus*, sightings in the shallow shelf waters off Long Island, New York. *Marine Mammal Science* 13(2):317-321.
- Selzer LA, Payne PM. 1988. The distribution of white-sided (*Lagenorhynchus acutus*) and common dolphins (*Delphinus delphis*) vs. environmental features of the continental shelf of the northeastern United States. *Marine Mammal Science* 4(2):141-153.
- Sharp SM, McLellan WA, Rotstein DS, Costidis AM, Barco SG, Durham K, Pitchford TD, Jackson KA, Daoust PY, Wimmer T, et al. 2019. Gross and histopathologic diagnoses from North Atlantic right

- whale *Eubalaena glacialis* mortalities between 2003 and 2018. *Diseases of Aquatic Organisms* 135(1):1-31.
- Smith CR, Rowles TK, Hart LB, Townsend FI, Wells RS, Zolman ES, Balmer BC, Quigley B, Ivancic M, McKercher W, et al. 2017. Slow recovery of Barataria Bay dolphin health following the *Deepwater Horizon* oil spill (2013-2014), with evidence of persistent lung disease and impaired stress response. *Endangered Species Research* 33(1):127-142.
- Smith TD, Allen J, Clapham PJ, Hammond PS, Katona S, Larsen F, Lien J, Mattila D, Palsbøll PJ, Sigurjónsson J, et al. 1999. An ocean-basin-wide mark-recapture study of the North Atlantic humpback whale (*Megaptera novaeangliae*). *Marine Mammal Science* 15(1):1-32.
- Smultea Sciences. 2020a. Protected species observer technical report for the Ørsted Sunrise Wind Farm, BOEM lease areas OCS-A 0487 and OCS-A 0500, offshore New York, 2019–2020. 195 p.
- Smultea Sciences. 2020b. Protected species observer technical report for the Ørsted Sunrise Wind Farm, BOEM lease areas OCS-A 0487/0500, offshore Massachusetts and Rhode Island, 2019–2020. Final report. 93 p.
- Southall B. 2021. Evolutions in marine mammal noise exposure criteria. *Acoustics Today* 17(2): 52-60.
- Stantec. 2020. SFWF – Montauk O&M Facility in-water work. Assessment of potential impacts to natural resources from in-water work. Prepared for Deepwater Wind South Fork, LLC by Stantec Consulting Services Inc.
- Stevick PT, Allen J, Bérubé M, Clapham PJ, Katona SK, Larsen F, Lien J, Mattila DK, Palsbøll PJ, Robbins J, et al. 2003. Segregation of migration by feeding ground origin in North Atlantic humpback whales (*Megaptera novaeangliae*). *Journal of Zoology, London* 259:231-237.
- Stone KM, Leiter SM, Kenney RD, Wikgren BC, Thompson JL, Taylor JKD, Kraus SD. 2017. Distribution and abundance of cetaceans in a wind energy development area offshore of Massachusetts and Rhode Island. *Journal of Coastal Conservation* 21(4):527-543. 10.1007/s11852-017-0526-4.
- Sullivan L, Brosnan T, Rowles T, Schwacke L, Simeone C, Collier TK. 2019. Guidelines for assessing exposure and impacts of oil spills on marine mammals. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service. 82 p. Report No.: NOAA Technical Memorandum NMFS-OPR-62.
- Sunrise Wind. 2021. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. October 2021. 998 p.
- Sunrise Wind. 2022a. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.
- Sunrise Wind. 2022b. Petition for incidental take regulations for the construction and operation of the Sunrise Wind Offshore Wind Farm. Prepared for Sunrise Wind LLC by LGL Ecological Research Associates, Inc. Submitted to National Marine Fisheries Service, Office of Protected Resources. 187.

- Sunrise Wind. 2022c. Draft Protected Species Mitigation and Monitoring Plan. April 2022.
- Takeshita R, Sullivan L, Smith C, Collier T, Hall A, Brosnan T, Rowles T, Schwacke L. 2017. The Deepwater Horizon oil spill marine mammal injury assessment. *Endangered Species Research* 33:95-106.
- Taormina B, Bald J, Want A, Thouzeau G, Lejart M, Desroy N, Carlier A. 2018. A review of potential impacts of submarine power cables on the marine environment: Knowledge gaps, recommendations, and future directions. *Renewable and Sustainable Energy Reviews* 96:380-391. [accessed 2022 Jun 10]. <https://doi.org/10.1016/j.rser.2018.07.026>.
- Teilmann J, Carstensen J. 2012. Negative long term effects on harbour porpoises from a large scale offshore wind farm in the Baltic – evidence of slow recovery. *Environmental Research Letters* 7. 10.1088/1748-9326/7/4/045101.
- Testaverde SA, Mead JG. 1980. Southern distribution of the Atlantic whitesided dolphin, *Lagenorhynchus acutus*, in the western North Atlantic. *Fishery Bulletin* 78(1):167-169.
- Tetra Tech and LGL. 2020. Final comprehensive report for New York Bight whale monitoring aerial surveys, March 2017 – February 2020. Technical report prepared by Tetra Tech, Inc. and LGL Ecological Research Associates, Inc. for New York State Department of Environmental Conservation.
- Thomsen F, Gill A, Kosecka M, Andersson M, Andre M, Degraer S, Folegot T, Gabriel J, Judd A, Neumann T, et al. 2015. MaRVEN – Environmental impacts of noise, vibrations and electromagnetic emissions from marine renewable energy. RTD-KI-NA-27-738-EN-N. Final study report prepared for European Commission, Directorate General for Research and Innovation.
- Thorne LH, Foley HJ, Baird RW, Webster DL, Swaim ZT, Read AJ. 2017. Movement and foraging behavior of short-finned pilot whales in the Mid-Atlantic Bight: importance of bathymetric features and implications for management. *Marine Ecology Progress Series* 584:245-257.
- Todd VLG, Todd IB, Gardiner JC, Morrin ECN, MacPherson NA, DiMarzio NA, Thomsen F. 2015. A review of impacts of marine dredging activities on marine mammals. *ICES Journal of Marine Science* 72(2):328–340. 10.1093/icesjms/fsu187.
- Toth J, Evert S, Zimmermann E, Sullivan M, Dotts L, Able KW, Hagan R, Slocum C. 2018. Annual residency patterns and diet of *Phoca vitulina concolor* (Western Atlantic harbor seal) in a southern New Jersey estuary. *Northeastern Naturalist* 24(4):611–626.
- Tougaard J, Henriksen OD, Miller LA. 2009. Underwater noise from three types of offshore wind turbines: Estimation of impact zones for harbor porpoises and harbor seals. *Journal of the Acoustical Society of America* 125(6):3766-3773.
- Tyack PL, Miller EH. 2002. Vocal anatomy, acoustic communication and echolocation. Pages 142-184 in Hoelzel, R., ed. *Marine mammal biology: An evolutionary approach*. Bodmin, Cornwall: Blackwell Science, Ltd. Copyright Protected.
- Van der Stap T, Coolen JWP, Lindeboom HJ. 2016. Marine fouling assemblages on offshore gas platforms in the southern North Sea: effects of depth and distance from shore on biodiversity. *PLoS ONE*. 11(1):e0146324. 10.1371/journal.pone.0146324.

- Vanderlaan ASM, Taggart CT. 2007. Vessel collisions with whales: The probability of lethal injury based on vessel speed. *Marine Mammal Science* 23(1):144-156.
- Veirs S, Veirs V, Wood D. 2016. Ship noise extends to frequencies used for echolocation by endangered killer whales. *PeerJ*. 4:c1657. 10.7717/peerj.1657.
- Waring GT, Fairfield CP, Ruhsam CM, Sano M. 1993. Sperm whales associated with Gulf Stream features off the north-eastern USA shelf. *Fisheries Oceanography* 2(2):101-105.
- Waring GT, Palka DL. 2002. North Atlantic marine mammals. In: Perrin WF, Würsig B, Thewissen JGM, editors. *Encyclopedia of marine mammals*. San Diego, California: Academic Press. P. 802-806.
- Weilgart LS. 2007. The impacts of anthropogenic ocean noise on cetaceans and implications for management. *Canadian Journal of Zoology* 85(11):1091-1116.
- Weisbrod AV, Shea D, Moore MJ, Stegeman JJ. 2000. Bioaccumulation patterns of polychlorinated biphenyls and chlorinated pesticides in northwest Atlantic pilot whales. *Environmental Toxicology and Chemistry: An International Journal* 19(3):667-677.
- Wenzel F, Mattila DK, Clapham PJ. 1988. *Balaenoptera musculus* in the Gulf of Maine. *Marine Mammal Science* 4(2):172-175.
- Werner S, Budziak A, Franeker Jav, Galgani F, Hanke G, Maes T, Matiddi M, Nilsson P, Oosterbaan L, Priestland E, et al. 2016. Harm caused by marine litter. MSFD GES TG Marine Litter-Thematic Report. European Commission, Joint Research Centre. 91 p.
- Whitehead H, Brennan S, Grover D. 1992. Distribution and behaviour of male sperm whales on the Scotian Shelf, Canada. *Canadian Journal of Zoology* 70:912-918.
- Whitehead H, Moore MJ. 1982. Distribution and movements of West Indian humpback whales in winter. *Canadian Journal of Zoology* 60:2203-2211.
- Whitehead H. 2003. *Sperm whales: Social evolution in the ocean*. Chicago, Illinois: University of Chicago Press. 431 pp.
- Whitt AD, Dudzinski K, Laliberté JR. 2013. North Atlantic right whale distribution and seasonal occurrence in nearshore waters off New Jersey, USA, and implications for management. *Endangered Species Research* 20:50-69.
- Wiley DN, Wenzel FW, Young SB. 1994. Extralimital residency of bottlenose dolphins in the western North Atlantic. *Marine Mammal Science* 10(2):223-226.
- Wilhelmsson D, Malm T, Ohman MC. 2006. The influence of offshore windpower on demersal fish. *ICES Journal of Marine Science* 63:775-784.
- Winn HE, Price CA, Sorensen PW. 1986. The distributional biology of the right whale (*Eubalaena glacialis*) in the western North Atlantic. *Reports of the International Whaling Commission (Special Issue 10)*:129-138.

- Wood SA, Murray KT, Josephson E, Gilbert J. 2020. Rates of increase in gray seal (*Halichoerus grypus atlantica*) pupping at recolonized sites in the United States, 1988-2019. *Journal of Mammalogy* 101(1):121-128. 10.1093/jmammal/gyz184.
- Zeh JM, Rekdahl ML, Rice AN, Clark CW, Rosenbaum HC. 2021. Detections of humpback whale (*Megaptera novaeangliae*) vocalizations on an acoustic sensor in the New York Bight. *Marine Mammal Science* 37(2):751-760. [accessed 2022 Jun 10]. <https://doi.org/10.1111/mms.12775>.
- Zoidis AM, Lomac-MacNair KS, Ireland DS, Rickard ME, McKown KA, Schlesinger MD. 2021. Distribution and density of six large whale species in the New York Bight from monthly aerial surveys 2017 to 2020. *Continental Shelf Research* 230:104572. [accessed 2022 Jun 10]. <https://doi.org/10.1016/j.csr.2021.104572>.
- Zoidis AM, Olson PA, Jefferson TA, Johnson NC, Soucier CP, Bassi JH. 2022. Distribution and abundance of marine mammals in the estuarine waters of the Piscataqua River, Maine, USA. *Aquatic Mammals* 48(1):25-35. 10.1578/AM.48.1.2022.25.
- Zoodsma B, Howe K, White M, Jakush J, George C, Gowan T, Hamilton P, K J, Pitchford T, Taylor C, et al. 2016. North Atlantic right whale calving area surveys: 2014/2015 results. U.S. Dept. of Commerce, NOAA. 10 p. Report No.: NOAA Technical Memorandum NMFSER-4.

1.3.10 Sea Turtles

- Bailey H, Brookes KL, Thompson PM. 2014. Assessing environmental impacts of offshore wind farms: Lessons learned and recommendations for the future. *Aquatic Biosystems*.10(1):1-13. 10.1186/2046-9063-10-8.
- Balazs GH. 1985. Impact of ocean debris on marine turtles: entanglement and ingestion. Pages 387-429 in Shomura RS, Yoshid HO, eds. *Proceedings of the Workshop on the Fate and Impact of Marine Debris*, 26-29 November 1984, Honolulu, Hawaii. NOAA Technical Memorandum NMFS-SWFSC-54.
- Barnette MC. 2017. Potential impacts of artificial reef development on sea turtle conservation in Florida. St. Petersburg (FL): U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Southeast Regional Office. 34 p. Report No.: NOAA Technical Memorandum NMFS-SER-5.
- Barreiros JP, Raykov VS. 2014. Lethal lesions and amputation caused by plastic debris and fishing gear on the loggerhead turtle *Caretta caretta* (Linnaeus, 1758). Three case reports from Terceira Island, Azores (NE Atlantic). *Mar Pollut Bull* 86(1-2):518-522. 10.1016/j.marpolbul.2014.07.020.
- Bartol IK, Bartol SM. 2011. Hearing capabilities of loggerhead sea turtles (*Caretta caretta*) throughout ontogeny: an integrative approach involving behavioral and electrophysiological techniques. London (UK): Joint Industry Program.
- Bartol SM, Ketten DR. 2006. Turtle and tuna hearing. In: Swimmer Y, Brill R, editors. *Sea turtle and pelagic fish sensory biology: Developing techniques to reduce sea turtle bycatch in longline fisheries* NOAA Technical Memorandum NMFS-PIFSC-7; p. 98-103.

- Bartol SM, Musick JA, Lenhardt ML. 1999. Auditory evoked potentials of the loggerhead sea turtle (*Caretta caretta*). *Copeia* 1999(3):836-840.
- Behr RD, Reindel EM. 2008. Helicopter noise analysis for University of California San Francisco Mission Bay hospital site. Prepared by Harris Miller and Hanson Inc. for ESA Community Development.
- Bembenek-Bailey SA, Niemuth JN, McClellan-Green PD, Godfrey MH, Harms CA, Gracz H, Stoskopf MK. 2019. NMR metabolomic analysis of skeletal muscle, heart, and liver of hatchling loggerhead sea turtles (*Caretta caretta*) experimentally exposed to crude oil and/or Corexit. *Metabolites* 9(2). 10.3390/metabo9020021.
- Bevan E, Whiting S, Tucker T, Guinea M, Raith A, Douglas R. 2018. Measuring behavioral responses of sea turtles, saltwater crocodiles, and crested terns to drone disturbance to define ethical operating thresholds. *PLoS ONE* 13(3):e0194460. 10.1371/journal.pone.0194460.
- Blackstock SA, Fayton JO, Hulton PH, Moll TE, Jenkins K, Kotecki S, Henderson E, Bowman V, Rider S, Martin C. 2018. Quantifying acoustic impacts on marine mammals and sea turtles: methods and analytical approach for phase III training and testing. NUWC-NPT Technical Report. Newport (RI): Naval Undersea Warfare Center Division. 51 p.
- Boettcher R. 2015. Personal communication via email between Ms. Ruth Boettcher, Virginia Department of Game and Inland Fisheries, and Ms. Amy Whitt, Azura Consulting LLC, 6 March.
- Bonacci-Sullivan L. 2018. Summary report of the New York Bight sea turtle workshop. East Setauket, NY: New York State Department of Environmental Conservation.
- Brazner JC, McMillan J. 2008. Loggerhead turtle (*Caretta caretta*) bycatch in Canadian pelagic longline fisheries: Relative importance in the western North Atlantic and opportunities for mitigation. *Fisheries Research*. 91:310-324.
- Brazner JC, McMillan J. 2008. Loggerhead turtle (*Caretta caretta*) bycatch in Canadian pelagic longline fisheries: Relative importance in the western North Atlantic and opportunities for mitigation. *Fisheries Research* 91:310-324.
- Brown D, Sutherland LC. 1980. Correction procedures for aircraft noise data, Vol. 5: propeller aircraft noise. Prepared by Wyle Laboratories for the U.S. Department of Transportation, Federal Aviation Administration.
- Bugoni L, Kraus L, Petry MV. 2001. Marine debris and human impacts on sea turtles in southern Brazil. *Marine Pollution Bulletin* 42(12):1330-1334.
- Bureau of Ocean Energy Management (BOEM). 2013. Commercial wind lease issuance and site assessment activities on the Atlantic outer continental shelf offshore Rhode Island and Massachusetts. Revised Environmental Assessment. Herndon, Virginia: United States Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs.
- Bureau of Ocean Energy Management (BOEM). 2017. Gulf of Mexico OCS Oil and Gas Lease Sales: 2017-2022. Gulf of Mexico Lease Sales 249, 250, 251, 252, 253, 254, 256, 257, 259, and 261. Final

- multiscale environmental impact statement. U.S. Department of the Interior, Bureau of Ocean Energy Management, Gulf of Mexico OCS Region. 368 p. Report No.: BOEM 2017-009.
- Bureau of Ocean Energy Management (BOEM). 2019a. Draft proposed guidelines for providing information on lighting and marking of structures supporting renewable energy development. U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 9 p.
- Bureau of Ocean Energy Management (BOEM). 2019b. National Environmental Policy Act documentation for impact-producing factors in the offshore wind cumulative impacts scenario on the North Atlantic continental shelf. Sterling (VA): U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 213 p. Report No.: 2019-036.
- Bureau of Ocean Energy Management (BOEM). 2019c. Guidelines for providing information on fisheries for renewable energy development on the Atlantic outer continental shelf pursuant to 30 CFR Part 585. Bureau of Ocean Energy Management Office of Renewable Energy Programs.
- Bureau of Ocean Energy Management (BOEM). 2021. South Fork Wind Farm and South Fork Export Cable Project Biological Assessment for the National Marine Fisheries Service. U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs.
- Burke VJ, Morreale SJ, Standora EA. 1994. Diet of the Kemp's ridley sea turtle, *Lepidochelys kempii*, in New York waters. *Fishery Bulletin* 92(1):26-32.
- Burke VJ, Standora EA, Morreale SJ. 1991. Factors affecting strandings of cold-stunned juvenile Kemp's ridley and loggerhead sea turtles in Long Island, New York. *Copeia* 1991(4):1136-1138.
- Ceriani SA, Roth JD, Sasso CR, McClellan CM, James MC, Haas HL, Smolowitz RJ, Evans DR, Addison DS, Bagley DA, et al. 2014. Modeling and mapping isotopic patterns in the Northwest Atlantic derived from loggerhead sea turtles. *Ecosphere* 5(9):122. [accessed 2022 Jun 10]. <https://doi.org/10.1890/ES14-00230.1>.
- Cetacean and Turtle Assessment Program (CETAP). 1982. Characterization of marine mammals and turtles in the Mid- and North Atlantic areas of the U.S. outer continental shelf - final report of the cetacean and turtle assessment program. Prepared for U.S. Bureau of Land Management, Washington, D.C. by Cetacean and Turtle Assessment Program, University of Rhode Island, Graduate School of Oceanography, Kingston, Rhode Island.
- Coyne MS, Monaco ME, Landry AM, Jr. 2000. Kemp's ridley habitat suitability index model. In: Abreu-Grobois FA, Briseño-Dueñas R, Márquez-Millán R, Sarti-Martínez L, editors. Proceedings of the Eighteenth International Sea Turtle Symposium: NOAA Technical Memorandum NMFS-SEFSC-436. P. 60.
- Department of the Navy (DoN). 2005. Marine resources assessment for the Northeast operating areas: Atlantic City, Narragansett Bay, and Boston. Norfolk, Virginia: Department of the Navy, U.S. Fleet Forces Command.

- Department of the Navy (DoN). 2007. Navy OPAREA density estimates (NODE) for the Northeast OPAREAs: Boston, Narragansett Bay, and Atlantic City. Prepared for U.S. Fleet Forces Command by Geo-Marine, Inc. Norfolk, Virginia: Naval Facilities Engineering Command, Atlantic. 2 CDs and one 3-ring binder.
- Department of the Navy (DoN). 2008a. Marine resources assessment update for the Cherry Point operating area. Prepared for Naval Facilities Engineering Command, Atlantic, Norfolk, Virginia by Geo-Marine, Inc., Hampton, Virginia.
- Department of the Navy (DoN). 2008b. Marine resources assessment update for the Virginia Capes (VACAPES) operating area. Prepared for Naval Facilities Engineering Command, Atlantic, Norfolk, Virginia by Geo-Marine, Inc., Hampton, Virginia.
- Department of the Navy (DoN). 2017. Criteria and thresholds for U.S. Navy acoustic and explosive effects analysis (Phase III). Technical report. U.S. Department of the Navy, Space and Naval Warfare Systems Center Pacific.
- Department of the Navy (DoN). 2018. Final environmental impact statement/overseas environmental impact statement. Hawaii-Southern California training and testing. United States Department of the Navy. 854 p.
- DeRuiter SL, Doukara KL. 2012. Loggerhead turtles dive in response to airgun sound exposure. *Endangered Species Research* 16:55-63. 10.3354/esr00396.
- Diez CE, Vélez-Zuazo X, Van Dam RP. 2003. Hawksbill turtles in seagrass beds. *Marine Turtle Newsletter* 102:8-10.
- Diez CE, Vélez-Zuazo X, Van Dam RP. 2003. Hawksbill turtles in seagrass beds. *Marine Turtle Newsletter* 102:8-10.
- Dodge KL, Galuardi B, Miller TJ, Lutcavage ME. 2014. Leatherback turtle movements, dive behavior, and habitat characteristics in ecoregions of the Northwest Atlantic Ocean. *PLoS ONE* 9(3):e91726. 10.1371/journal.pone.0091726.
- Dow Piniak WE, Eckert SA, Harms CA, Stringer EM. 2012. Underwater hearing sensitivity of the leatherback sea turtle (*Dermochelys coriacea*): Assessing the potential effect of anthropogenic noise. Herndon, VA: U.S. Department of the Interior, Bureau of Ocean Energy Management.
- Duncan EM, Botterell ZL, Broderick AC, Galloway TS, Lindeque PK, Nuno A, and Godley BJ. 2017. A global review of marine turtle entanglement in anthropogenic debris: a baseline for further action. *Endangered Species Research* 34:431–448.
- Elliott BW, Read A, Godley B, Nelms S, Nowacek D. 2019. Critical information gaps remain in understanding impacts of industrial seismic surveys on marine vertebrates. *Endangered Species Research* 39. 10.3354/esr00968.
- Epperly S, Avens L, Garrison L, Henwood T, Hoggard W, Mitchell J, Nance J, Poffenberger J, Sasso C, Scott-Denton E, Yeung S. 2002. Analysis of sea turtle bycatch in the commercial shrimp fisheries of southeast U.S. waters and the Gulf of Mexico. NOAA Technical Memorandum NMFS-SEFSC 490:1-88.

- Epperly SP, Braun J, Chester AJ, Cross FA, Merriner JV, Tester PA. 1995. Winter distribution of sea turtles in the vicinity of Cape Hatteras and their interactions with the summer flounder trawl fishery. *Bulletin of Marine Science* 56:547-568.
- Finkbeiner EM, Wallace BP, Moore EJ, Lewison RL, Crowder LB, Read AJ. 2011. Cumulative estimates of sea turtle bycatch and mortality in USA fisheries between 1990 and 2007. *Biological Conservation* 144(11):2719–2727.
- Footo JJ, Mueller TL. 2002. Two Kemp’s ridley (*Lepidochelys kempii*) nests on the central Gulf coast of Sarasota County Florida (USA). In: Mosier A, Foley A, Brost B, editors. *Proceedings of the Twentieth Annual Symposium on Sea Turtle Biology and Conservation: NOAA Technical Memorandum NMFS-SEFSC-477*. P. 252-253.
- Gall SC, Thompson RC. 2015. The impact of debris on marine life. *Marine Pollution Bulletin* 92(1):170-179. [accessed 2022 Jun 10]. <https://doi.org/10.1016/j.marpolbul.2014.12.041>.
- Galloway BJ. 1981. An ecosystem analysis of oil and gas development on the Texas-Louisiana Continental Shelf. U.S. Fish and Wildlife Service. [accessed 2022 Jun 09]. http://pubs.er.usgs.gov/publication/fwsobs81_27.
- Gardline. 2021a. Protected species observer interim report for the Sunrise Wind Offshore Wind Farm 2020 and 2021 geotechnical survey. Norfolk (England). 83 p.
- Gardline. 2021b. Protected species observer technical summary report for the Sunrise Wind Offshore Wind Farm geophysical survey 2019-2020. Norfolk (England). 75 p.
- Gitschlag GR, Herczeg BA. 1994. Sea turtle observations at explosive removals of energy structures. *Marine Fisheries Review* 56(2):1-8.
- Gless JM, Salmon M, Wyneken J. 2008. Behavioral responses of juvenile leatherbacks *Dermochelys coriacea* to lights used in the longline fishery. *Endangered Species Research* 5(2-3):239-247.
- Godfrey D. 1996. Divine intervention? Kemp’s ridley nests on Volusia County Beach. *Velador (Caribbean Conservation Corporation Newsletter)*. (Summer):1-2.
- Greater Atlantic Regional Fisheries Office (GARFO). 2020. Guidance for carrying out Endangered Species Act (ESA) Section 7 consultations with NOAA Fisheries Greater Atlantic Regional Fisheries Office. NOAA Fisheries, Greater Atlantic Regional Fisheries Office. [accessed 2022 Jun 09]. https://media.fisheries.noaa.gov/dam-migration/garfo_esa_section_7_technical_guidance_1312020_508.pdf.
- Greater Atlantic Regional Fisheries Office (GARFO). 2021a. GARFO Acoustics Tool: Analyzing the effects of pile driving on ESA-listed species in the Greater Atlantic Region. NOAA Fisheries, Greater Atlantic Regional Fisheries Office. [accessed 2022 Jun 09]. <https://s3.amazonaws.com/media.fisheries.noaa.gov/2020-09/GARFO-Sect7-PileDriving-AcousticsTool-09142020.xlsx?.Egxagq5Dh4dplwJQsmN1gV0nggnk5qX>.
- Greater Atlantic Regional Fisheries Office (GARFO). 2021b. Section 7 species presence table: sea turtles in the Greater Atlantic Region. [updated 2021 Jan 13; accessed 2022 Jun 09].

<https://www.fisheries.noaa.gov/new-england-mid-atlantic/consultations/section-7-species-presence-table-sea-turtles-greater>.

- Gregory MR. 2009. Environmental implications of plastic debris in marine settings—entanglement, ingestion, smothering, hangers-on, hitch-hiking and alien invasions. *Philos Trans R Soc Lond B Biol Sci* 364(1526):2013-2025. 10.1098/rstb.2008.0265.
- Griffin D, Murphy S, Frick M, Broderick A, Coker J, Coyne M, Dodd M, Godfrey M, Godley B, Hawkes L, et al. 2013. Foraging habitats and migration corridors utilized by a recovering subpopulation of adult female loggerhead sea turtles: Implications for conservation. *Marine Biology* 160(12):3071-3086.
- Hamann M, Godfrey MH, Seminoff JA, Arthur K, Barata PCR, Bjorndal KA, Bolten AB, Broderick AC, Campbell LM, Carreras C, et al. 2010. Global research priorities for sea turtles: Informing management and conservation in the 21st century. *Endangered Species Research* 11(3):245-269. 10.3354/esr00279.
- Hare JA, Morrison WE, Nelson MW, Stachura MM, Teeters EJ, Griffis RB, Griswold CA. 2016. A vulnerability assessment of fish and invertebrates to climate change on the Northeast continental shelf. *PLoS One* 11(2):30.
- Hatch L, Clark C, Merrick R, Parijs S, Ponirakis D, Schwehr K, Thompson M, Wiley D. 2008. Characterizing the relative contributions of large vessels to total ocean noise fields: A case study using the Gerry E. Studds Stellwagen Bank National Marine Sanctuary. *Environmental Management* 42(5):735-752.
- Hawkes LA, Broderick AC, Godfrey MH, Godley BJ. 2009. Climate change and marine turtles. *Endangered Species Research* 7:137-154.
- Hawkes LA, Witt MJ, Broderick AC, Coker JW, Coyne MS, Dodd M, Frick MG, Godfrey MH, Griffin DB, Murphy SR, et al. 2011. Home on the range: Spatial ecology of loggerhead turtles in Atlantic waters of the USA. *Diversity and Distributions* 17(4):624-640.
- Hazel J, Lawler IR, Marsh H, Robson S. 2007. Vessel speed increases collision risk for the green turtle *Chelonia mydas*. *Endangered Species Research* 3:105–113.
- Henwood TA, Stuntz WE. 1987. Analysis of sea turtle captures and mortalities during commercial shrimp trawling. *Fishery Bulletin* 85(4):813-817.
- Hoarau L, Ainley L, Jean C, Ciccione S. 2014. Ingestion and defecation of marine debris by loggerhead sea turtles, *Caretta caretta*, from by-catches in the South-West Indian Ocean. *Marine Pollution Bulletin* 84(1-2):90-96. 10.1016/j.marpolbul.2014.05.031.
- Jean C, Ciccione S, Ballorain K, Georges J-Y, Bourjea J. 2010. Ultralight aircraft surveys reveal marine turtle population increases along the west coast of Reunion Island. *Oryx* 44(2):223-229.
- Keinath JA, Musick JA, Swingle WM. 1991. First verified record of the hawksbill sea turtle (*Eretmochelys imbricata*) in Virginia waters. *Catesbeiana* 11(2):35-38.

- Kenney RD, Vigness-Raposa KJ. 2010. Technical report 10. Marine mammals and sea turtles of Narragansett Bay, Block Island Sound, Rhode Island Sound, and nearby waters: An analysis of existing data for the Rhode Island Ocean Special Area Management Plan. Wakefield, Rhode Island: Rhode Island Coastal Resources Management Council. Appendix A, 634-970 p.
- Ketten DR, Moein Bartol S. 2006. Functional measures of sea turtle hearing. ONR Award Number N00014-02-1-0510. Prepared for the Office of Naval Research, Boston, Massachusetts by Woods Hole Oceanographic Institution, Woods Hole, Massachusetts.
- Kraus SD, Kenney RD, Thomas L. 2019. A framework for studying the effects of offshore wind development on marine mammals and turtles. Prepared for the Massachusetts Clean Energy Center and the Bureau of Ocean Energy Management by the Anderson Cabot Center for Ocean Life and the Centre for Research into Ecological and Environmental Modelling. 48 p.
- Kraus SD, Leiter S, Stone K, Wikgren B, Mayo C, Hughes P, Kenney RD, Clark CW, Rice AN, Estabrook B, et al. 2016. Northeast Large Pelagic Survey Collaborative Aerial and Acoustic Surveys for Large Whales and Sea Turtles. OCS Study BOEM 2016-054. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management.
- Kraus SD, Taylor JKD, Wikgren B, Kenney RD, Mayo C, Ganley L, Hughes P, Clark CW, Rice AN. 2013. Field surveys of whales and sea turtles for offshore wind planning in Massachusetts 2011-2012.
- Landry AM, Jr., Costa D. 1999. Status of sea turtle stocks in the Gulf of Mexico with emphasis on the Kemp's ridley. In: Kumpf H, Steidinger K, Sherman K, editors. The Gulf of Mexico large marine ecosystem: Assessment, sustainability, and management. Malden, Massachusetts: Blackwell Science. P. 248-268.
- Langhamer O. 2012. Artificial reef effect in relation to offshore renewable energy conversion: state of the art. The Scientific World Journal 2012:8.
- Lavender AL, Bartol SM, Bartol IK. 2014. Ontogenetic investigation of underwater hearing capabilities in loggerhead sea turtles (*Caretta caretta*) using a dual testing approach. Journal of Experimental Biology 217:2580–2589.
- Lazell JD, Jr. 1980. New England waters: Critical habitat for marine turtles. Copeia 1980(2):290-295.
- Lee DS, Palmer WM. 1981. Records of leatherback turtles, *Dermochelys coriacea* (Linnaeus), and other marine turtles in North Carolina waters. Brimleyan. 5:95-106.
- Limpus CJ. 2006. Marine turtle conservation and Gorgon gas development, Barrow Island, western Australia. In Gorgon Gas Development Barrow Island Nature Reserve, Chevron Australia. Perth, Western Australia: Environmental Protection Agency (Western Australia). 20 p.
- Liu X, Manning J, Prescott R, Page F, Zou H, Faherty M. 2019. On simulating cold-stunned sea turtle strandings on Cape Cod, Massachusetts. PloS ONE 14(12):e0204717. 10.1371/journal.pone.0204717.
- Lutcavage M, Musick JA. 1985. Aspects of the biology of sea turtles in Virginia. Copeia 1985(2):449-456.

- Lutcavage ME, Lutz PL. 1997. Diving physiology. Pages 277-296 in Lutz PL, Musick JA, eds. The biology of sea turtles. Boca Raton, Florida: CRC Press.
- Lutcavage ME, Plotkin P, Witherington B, Lutz PL. 1997. Human impacts on sea turtle survival. In: Lutz PL, Musick JA, editors. The biology of sea turtles. Boca Raton, Florida: CRC Press. P. 387-409.
- Manzella S, Wouldiams J, Schroeder B, Teas W. 1991. Juvenile head-started Kemp's ridleys found in floating grass mats. Marine Turtle Newsletter 52:5-6.
- Martin KJ, Alessi SC, Gaspard JC, Tucker AD, Bauer GB, Mann DA. 2012. Underwater hearing in the loggerhead turtle (*Caretta caretta*): A comparison of behavioral and auditory evoked potential audiograms. The Journal of Experimental Biology 215(17):3001-3009. 10.1242/jeb.066324.
- McCauley RD, Fewtrell J, Duncan AJ, Jenner C, Jenner M-N, Penrose JD, Prince RIT, Adhitya A, Murdoch J, McCabe K. 2000. Marine seismic surveys: Analysis and propagation of air-gun signals; and effects of air-gun exposure on humpback whales, sea turtles, fishes and squid. Bentley, Australia: Curtin University of Technology, Centre for Marine Science and Technology.
- McMahon CR, Hays GC. 2006. Thermal niche, large-scale movements and implications of climate change for a critically endangered marine vertebrate. Global Change Biology 12:1-9.
- Meylan A, Castaneda P, Coogan C, Lozon T, Fletemeyer J. 1990. First recorded nesting by Kemp's ridley in Florida, USA. Marine Turtle Newsletter 48:8-9.
- Michel J, Bejarano AC, Peterson CH, Voss C. 2013. Review of biological and biophysical impacts from dredging and handling of offshore sand. OCS Study BOEM 2013-0119. Herndon, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management.
- Mitchell GH, Kenney RD, Farak AM, Campbell RJ. 2002. Evaluation of occurrence of endangered and threatened marine species in Naval ship trial areas and transit lanes in the Gulf of Maine and offshore of Georges Bank. Newport, Rhode Island: Naval Undersea Warfare Division.
- Mitchelmore CL, Bishop CA, Collier TK. 2017. Toxicological estimation of mortality of oceanic sea turtles oiled during the *Deepwater Horizon* oil spill. Endangered Species Research 33:39-50.
- Morreale SJ, Meylan AB, Sadove SS, Standora EA. 1992. Annual occurrence and winter mortality of marine turtles in New York waters. Journal of Herpetology 26:301-308.
- Morreale SJ, Standora EA. 2005. Western North Atlantic waters: Crucial developmental habitat for Kemp's ridley and loggerhead sea turtles. Chelonian Conservation and Biology 4(4):872-882.
- Mrosovsky N. 1980. Thermal biology of sea turtles. American Zoologist 20(3):531-547.
- Murray KT. 2011. Interactions between sea turtles and dredge gear in the US sea scallop (*Placopecten magellanicus*) fishery, 2001-2008. Fisheries Research 107(1-3):137-146.
- National Marine Fisheries Service (NMFS). 1995. Sea turtle conservation; restrictions applicable to shrimp trawl activities; leatherback conservation zone. Federal Register. P. 47713-47715.

- National Marine Fisheries Service (NMFS). 2000. Sea turtle conservation; restrictions applicable to shrimp trawl activities; Leatherback Conservation Zone—Temporary rule. Federal Register. 33779-33780 p.
- National Marine Fisheries Service (NMFS). 2014. Endangered Species Act Section 7 consultation biological opinion: Continued operation of Salem and Hope Creek Nuclear Generating Stations NER-2010-6581. NOAA, National Marine Fisheries Service, Greater Atlantic Regional Fisheries Office.
- National Marine Fisheries Service (NMFS). 2016. Endangered Species Act Section 7 consultation on the continued prosecution of fisheries and ecosystem research conducted and funded by the Northeast Fisheries Science Center and the issuance of a Letter of Authorization under the Marine Mammal Protection Act for the incidental take of marine mammals pursuant to those research activities. PCTS ID: NER-2015-12532.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service (NMFS and USFWS). 1991a. Recovery plan for U.S. population of Atlantic green turtle. Washington, D.C.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service (NMFS and USFWS). 1991b. Recovery plan for U.S. population of loggerhead turtle. Washington, D.C.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service (NMFS and USFWS). 1992. Recovery plan for leatherback turtles in the U.S. Caribbean, Atlantic and Gulf of Mexico. Washington, D.C.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service (NMFS and USFWS). 1993. Recovery plan for hawksbill turtles in the U.S. Caribbean Sea, Atlantic Ocean, and Gulf of Mexico. St. Petersburg, Florida.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service (NMFS and USFWS). 2007. Loggerhead sea turtle (*Caretta caretta*). 5-year review: Summary and evaluation.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service (NMFS and USFWS). 2008. Recovery plan for the Northwest Atlantic population of the loggerhead sea turtle (*Caretta caretta*) - Second revision. Silver Spring, Maryland.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service (NMFS and USFWS). 2013a. Hawksbill sea turtle (*Eretmochelys imbricata*). 5-year review: Summary and evaluation. Prepared by National Marine Fisheries Service, Silver Spring, Maryland and U.S. Fish and Wildlife Service, Jacksonville, Florida.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service (NMFS and USFWS). 2013b. Leatherback sea turtle (*Dermochelys coriacea*) 5-year review: Summary and evaluation. Silver Spring, Maryland and Jacksonville, Florida.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service (NMFS and USFWS). 2015. Kemp's ridley sea turtle (*Lepidochelys kempii*). 5-year review: summary and evaluation. National Marine Fisheries Service, Office of Protected Resources, Silver Spring, MD and U.S. Fish and Wildlife Service, Southwest Region, Albuquerque, NM. 63 p.

- National Marine Fisheries Service and U.S. Fish and Wildlife Service (NMFS and USFWS). 2016. Endangered and threatened wildlife and plants; Final rule to list eleven distinct population segments of the green sea turtle (*Chelonia mydas*) as endangered or threatened and revision of current listings under the Endangered Species Act. Federal Register. 81(66):20058-20090.
- National Marine Fisheries Service and U.S. Fish and Wildlife Service (NMFS and USFWS). 2020. Endangered Species Act status review of the leatherback turtle (*Dermochelys coriacea*). Report to the National Marine Fisheries Service Office of Protected Resources and U.S. Fish and Wildlife Service. 396 p.
- National Marine Fisheries Service Sea Turtle Stranding and Salvage Network Reports (NMFS STSSN). 2022. Sea turtle stranding and salvage network reports. [accessed 2022 Jun 10]. <https://grunt.sefsc.noaa.gov/stssnrep/>.
- National Marine Fisheries Service U.S. Fish and Wildlife Service and Secretaría de Medio Ambiente y Recursos Naturales (NMFS U, and SEMARNAT). 2011a. Bi-national recovery plan for the Kemp's ridley sea turtle (*Lepidochelys kempii*): Second revision. Silver Spring, Maryland.
- National Marine Fisheries Service, U.S. Fish and Wildlife Service, and Secretariat of Environment and Natural Resources (NMFS U, and SENR). 2011b. Bi-national recovery plan for the Kemp's ridley sea turtle (*Lepidochelys kempii*). Second revision. Silver Spring (MD).
- National Oceanic and Atmospheric Administration (NOAA). 2020. Endangered Species Act Section 7 consultation biological opinion. Construction, operation, maintenance and decommissioning of the Vineyard Wind Offshore Energy Project (Lease OCS- A 0501). National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Greater Atlantic Regional Fisheries Office. 326 p. Report No.: GARFO-2019-00343.
- National Oceanic and Atmospheric Administration (NOAA). 2022. Section 7 effect analysis: turbidity in the Greater Atlantic Region. National Oceanic and Atmospheric Administration, U.S. Department of Commerce; [updated 2021 Oct 15; accessed 2022 Feb 15]. <https://www.fisheries.noaa.gov/new-england-mid-atlantic/consultations/section-7-effect-analysis-turbidity-greater-atlantic-region>.
- National Research Council (NRC). 1990. Decline of the sea turtles: causes and prevention. Washington, D.C.: National Academy Press.
- National Research Council. 1996. An assessment of techniques for removing offshore structures. Washington (DC): The National Academies Press. 86 p. [accessed 2022 Jun 10]. <https://www.nap.edu/catalog/9072/an-assessment-of-techniques-for-removing-offshore-structures>.
- National Science Foundation and U.S. Geological Survey (NSF and USGS). 2011. Final programmatic environmental impact statement/overseas environmental impact statement for marine seismic research. National Science Foundation, Arlington (VA) and U.S. Geological Survey, Reston (VA). 514 p.

- Nelms SE, Duncan EM, Broderick AC, Galloway TS, Godfrey MH, Hamann M, Lindeque PK, Godley BJ. 2016. Plastic and marine turtles: a review and call for research. *ICES Journal of Marine Science* 73(2):165-181. 10.1093/icesjms/fsv165.
- New York Marine Rescue Center. 2022. Research: sea turtle strandings by species 1980 through 2018. New York Marine Rescue Center. [accessed 2022 Jun 10]. http://nymarinerescue.org/what-we-do/?doing_wp_cron=162007.
- New York State Energy Research and Development Authority (NYSERDA). 2020. Digital aerial baseline survey of marine wildlife in support of offshore wind energy. Third annual report: Summer 2016–Spring 2019, Sixth interim report. Prepared for New York State Energy Research and Development Authority by Normandeau Associates Inc. with APEM Ltd.
- Normandeau Associates I, Exponent I, Tricas T, Gill A. 2011. Effects of EMFs from undersea power cables on elasmobranchs and other marine species. Camarillo, (CA): U.S. Department of the Interior, Bureau of Ocean Energy Management, Regulation, and Enforcement, Pacific OCS Region. O’Hara J, Wilcox JR. 1990. Avoidance responses of loggerhead turtles, *Caretta caretta*, to low frequency sound. *Copeia*. 1990(2):564-567.
- Northeast Fisheries Science Center and Southeast Fisheries Science Center (NEFSC and SEFSC). 2018. 2017 annual report of a comprehensive assessment of marine mammal, marine turtle, and seabird abundance and spatial distribution in US waters of the western North Atlantic Ocean – AMAPPS II.
- Northeast Fisheries Science Center and Southeast Fisheries Science Center (NEFSC and SEFSC). 2020. 2019 annual report of a comprehensive assessment of marine mammal, marine turtle, and seabird abundance and spatial distribution in US waters of the western North Atlantic Ocean – AMAPPS II.
- Northeast Fisheries Science Center and Southeast Fisheries Science Center (NEFSC and SEFSC). 2021. 2020 Annual report of a comprehensive assessment of marine mammal, marine turtle, and seabird abundance and spatial distribution in US waters of the Western North Atlantic Ocean: AMAPPS III. (U.S.).
- O’Brien O, McKenna K, Hodge B, Pendleton D, Baumgartner M, Redfern J. 2021a. Megafauna aerial surveys in the Wind Energy Areas of Massachusetts and Rhode Island with emphasis on large whales. Summary Report – Campaign 5, 2018-2019. US Department of the Interior, Bureau of Ocean Energy Management.
- O’Brien O, McKenna K, Pendleton D, Redfern J. 2021b. Megafauna aerial surveys in the wind energy areas of Massachusetts and Rhode Island with emphasis on large whales: Interim Report Campaign 6A, 2020.
- Orr TL, Herz SM, Oakley DL. 2013. Evaluation of lighting schemes for offshore wind facilities and impacts to local environments. OCS study, BOEM 2013-0116. Prepared for U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs, Herndon, Virginia by ESS Group Inc., East Providence, Rhode Island.

- Osgood KE, ed. 2008. Climate impacts on U.S. living marine resources: National Marine Fisheries Service concerns, activities and needs. NOAA Technical Memorandum NMFS-F/SPO-89. National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Alaska Fisheries Science Center.
- Palka DL, Chavez-Rosales S, Josephson E, Cholewiak D, Haas HL, Garrison L, Jones M, Sigourney D, Waring G, Jech M, Broughton E, Soldevilla M, Davis G, DeAngelis A, Sasso CR, Winton MV, Smolowitz RJ, Fay G, LaBrecque E, Leiness JB, Dettloff, Warden M, Murray K, Orphanides C. 2017a. Atlantic Marine Assessment Program for Protected Species: 2010-2014. Washington, DC: U.S. Dept. of the Interior, Bureau of Ocean Energy Management, Atlantic OCS Region. 211 p. Report No.: OCS Study BOEM 2017-071.
- Palka DL, Chavez-Rosales S, Josephson E, Cholewiak D, Haas HL, Garrison L, Jones M, Sigourney D, Waring G, Jech M, Broughton E, Soldevilla M, Davis G, DeAngelis A, Sasso CR, Winton MV, Smolowitz RJ, Fay G, LaBrecque E, Leiness JB, Dettloff, Warden M, Murray K, Orphanides C. 2017b. Atlantic Marine Assessment Program for Protected Species: 2010-2014. Appendix II – Appendix V. Washington, DC: U.S. Dept. of the Interior, Bureau of Ocean Energy Management, Atlantic OCS Region. 128 p. Report No.: Supplement to Final Report BOEM 2017-071.
- Pangerc T, Robinson S, Theobald P, Galley L. 2016. Underwater sound measurement data during diamond wire cutting: First description of radiated noise. In: Proceedings of the Fourth International Conference on the Effects of Noise on Aquatic Life July 10–16 Dublin, Ireland.
- Parker LG. 1995. Encounter with a juvenile hawksbill turtle offshore Sapelo Island, Georgia. Marine Turtle Newsletter 71:19-22.
- Petersen JK, Malm T. 2006. Offshore windmill farms: Threats to or possibilities for the marine environment. *Ambio* 35(2):75-80.
- Peterson C, Monahan G, Schwartz F. 1985. Tagged green turtle returns and nests again in North Carolina. Marine Turtle Newsletter 35:5-6.
- Piniak WED, Mann DA, Harms CA, Jones TT, Eckert SA. 2016. Hearing in the juvenile green sea turtle (*Chelonia mydas*): A comparison of underwater and aerial hearing using auditory evoked potentials. *PLoS ONE* 11(10):e0159711. 10.1371/journal.pone.0159711.
- Plotkin PT, editor 1995. National Marine Fisheries Service and U.S. Fish and Wildlife Service status reviews for sea turtles listed under the Endangered Species Act of 1973. Silver Spring, Maryland: National Marine Fisheries Service.
- Popper AN, Hawkins AD, Fay RR, Mann DA, Bartol S, Carlson TJ, Coombs S, Ellison WT, Gentry RL, Halvorsen MB, et al. 2014. Sound exposure guidelines for fishes and sea turtles: A technical report prepared by ANSI-Accredited Standards Committee S3/SC1 and registered with ANSI. ASA S3/SC1.4 TR-2014. Acoustical Society of America, Springer.
- Prescott R. 2000. Sea turtles in New England waters. Conservation perspectives: The on-line journal of NESCB.

- Pritchard PCH. 1997. Evolution, phylogeny, and current status. In: Lutz PL, Musick JA, editors. The biology of sea turtles. Boca Raton, Florida: CRC Press. P. 1-28. Copyright protected.
- Quintana E, Kraus S, Baumgartner M. 2019. Megafauna aerial surveys in the wind Eenergy areas of Massachusetts and Rhode Island with emphasis on large whales. Summary report – Campaign 4, 2017-2018. Prepared by New England Aquarium, Anderson Cabot Center for Ocean Life and Woods Hole Oceanographic Institution.
- Rabon DR, Jr., Johnson SA, Boettcher R, Dodd M, Lyons M, Murphy S, Ramsey S, Roff S, Stewart K. 2003. Confirmed leatherback turtle (*Dermochelys coriacea*) nests from North Carolina, with a summary of leatherback nesting activities north of Florida. Marine Turtle Newsletter 101:4-8.
- Rafferty P, Shaver DJ, Frandsen HR, Montello M. 2019. *Lepidochelys kempii* (Kemp’s ridley sea turtle) nesting. Herpetological Review 50(2).
- Renewables Consulting Group. 2018. Current understanding of offshore wind’s effects on the natural environment. Final briefing paper. Prepared for Natural Resources Defense Council and National Wildlife Federation.
- Reubens JT, Braeckman U, Vanaverbeke J, Colen CV, Degraer S, Vincx M. 213. Aggregation at windmill artificial reefs: CPUE of Atlantic cod (*Gadus morhua*) and pouting (*Trisopterus luscus*) at different habitats in the Belgian part of the North Sea. Fisheries Research 139:28–34.
- Richards PM, Epperly SP, Heppell SS, King RT, Sasso CR, Moncada F, Nodarse G, Shaver DJ, Medina Y, Zurita J. 2011. Sea turtle population estimates incorporating uncertainty: A new approach applied to western north Atlantic loggerheads *Caretta caretta*. Endangered Species Research 15:151-158.
- Samuel Y, Morreale SJ, Clark CW, Greene CH, Richmond ME. 2005. Underwater, low-frequency noise in a coastal sea turtle habitat. Journal of the Acoustical Society of America 117(3 Pt 1):1465-1472.
- Sasso CR, Epperly SP. 2006. Seasonal sea turtle mortality risk from forced submergence in bottom trawls. Fisheries Research 81:86-88.
- Schmid JR, Barichivich WJ. 2006. *Lepidochelys kempii* - Kemp’s ridley. In: Meylan PA, editor. Biology and conservation of Florida turtles Chelonian Research Monographs No 3. Lunenburg, Massachusetts: Chelonian Research Foundation. P. 128-141.
- Schuyler QA, Wilcox C, Townsend K, Hardesty BD, Marshall NJ. 2014. Mistaken identity? Visual similarities of marine debris to natural prey items of sea turtles. BMC Ecology 14:14. 10.1186/1472-6785-14-14.
- Schwartz FJ. 1978. Behavioral and tolerance responses to cold water temperatures by three species of sea turtles (Reptilia, Cheloniidae) in North Carolina. In: Henderson GE, editor. Proceedings of the Florida and Interregional Conference on Sea Turtles, 24-25 July 1976, Jensen Beach, Florida Florida Marine Research Publications No 33. St. Petersburg, Florida: Florida Department of Natural Resources. P. 16-18.
- Schwartz FJ. 1989. Biology and ecology of sea turtles frequenting North Carolina. In: George RY, Hulbert AW, editors. North Carolina Coastal Oceanography Symposium National Undersea Research

- Program Research Report 89-2; December; Silver Spring, Maryland. National Oceanic and Atmospheric Administration. P. 307-331.
- Seney EE, Musick JA. 2005. Diet analysis of Kemp's ridley sea turtles (*Lepidochelys kempii*) in Virginia. *Chelonian Conservation and Biology* 4(4):864-871.
- Shaver DJ, Rubio C. 2008. Post-nesting movement of wild and head-started Kemp's ridley sea turtles *Lepidochelys kempii* in the Gulf of Mexico. *Endangered Species Research* 4(1-2):43-55.
- Shaver DJ, Schroeder BA, Byles RA, Burchfield PM, Peña J, Márquez R, Martínez HJ. 2005. Movements and home ranges of adult male Kemp's ridley sea turtles (*Lepidochelys kempii*) in the Gulf of Mexico investigated by satellite telemetry. *Chelonian Conservation and Biology* 4(4):817-827.
- Shigenaka G, Milton S, Lutz P, Hoff R, Yender R, Mearns A. 2010. Oil and sea turtles: biology, planning, and response. National Oceanic and Atmospheric Administration, National Ocean Service, Office of Restoration and Response. 117 p.
- Shimada T, Limpus C, Jones R, Hamann M. 2017. Aligning habitat use with management zoning to reduce vessel strike of sea turtles. *Ocean & Coastal Management* 142:163-172. [accessed 2022 Jun 10]. <https://doi.org/10.1016/j.ocecoaman.2017.03.028>.
- Shoop CR, Kenney RD. 1992. Seasonal distributions and abundances of loggerhead and leatherback sea turtles in waters of the northeastern United States. *Herpetological Monographs* 6:43-67.
- Smultea Sciences. 2020a. Protected species observer technical report for the Ørsted Sunrise Wind Farm, BOEM lease areas OCS-A 0487 and OCS-A 0500, offshore New York, 2019–2020. 195 p.
- Smultea Sciences. 2020b. Protected species observer technical report for the Ørsted Sunrise Wind Farm, BOEM lease areas OCS-A 0487/0500, offshore Massachusetts and Rhode Island, 2019–2020. Final report. 93 p.
- Snoek RC, Swart Rd, Didderen K, Lengkeek W, Teunis M. 2016. Potential effects of electromagnetic fields in the Dutch North Sea. Phase 1: desk study. Prepared for Rijkswaterstaat Water, Verkeer en Leefomgeving by Waterproof Marine Consultancy & Services B.V. 95 p.
- Snyder DB, Bailey WH, Palmquist K, Cotts BRT, Olsen KR. 2019. Evaluation of potential EMF effects on fish species of commercial or recreational fishing importance in southern New England. Prepared for U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs by CSA Ocean Sciences Inc. 62 p. Report No.: BOEM 2019-049.
- Stantec. 2020. SFWF – Montauk O&M facility in-water work. Assessment of potential impacts to natural resources from in-water work. Prepared for Deepwater Wind South Fork, LLC by Stantec Consulting Services Inc.
- Stewart K, Johnson C. 2006. *Dermochelys coriacea* - leatherback sea turtle. In: Meylan PA, editor. *Biology and conservation of Florida turtles* Chelonian Research Monographs No 3. Lunenburg, Massachusetts: Chelonian Research Foundation. P. 144-157.

- Stöber U, Thomsen F. 2021. How could operational underwater sound from future offshore wind turbines impact marine life? *Journal of the Acoustical Society of America* 149(3):1791. 10.1121/10.0003760.
- Stone KM, Leiter SM, Kenney RD, Wikgren BC, Thompson JL, Taylor JKD, Kraus SD. 2017. Distribution and abundance of cetaceans in a wind energy development area offshore of Massachusetts and Rhode Island. *Journal of Coastal Conservation* 21(4):527-543. 10.1007/s11852-017-0526-4.
- Sunrise Wind. 2021. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. October 2021. 998 p.
- Sunrise Wind. 2022. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.
- Taormina B, Bald J, Want A, Thouzeau G, Lejart M, Desroy N, Carlier A. 2018. A review of potential impacts of submarine power cables on the marine environment: Knowledge gaps, recommendations, and future directions. *Renewable and Sustainable Energy Reviews* 96:380-391. [accessed 2022 Jun 10]. <https://doi.org/10.1016/j.rser.2018.07.026>.
- Tetra Tech and LGL. 2019. Year 2 annual survey report for New York Bight whale monitoring aerial surveys, March 2018 – February 2019. Technical report prepared by Tetra Tech, Inc. and LGL Ecological Research Associates, Inc. for New York State Department of Environmental Conservation.
- Tetra Tech and LGL. 2020. Final comprehensive report for New York Bight whale monitoring aerial surveys, March 2017 – February 2020. Technical report prepared by Tetra Tech, Inc. and LGL Ecological Research Associates, Inc. for New York State Department of Environmental Conservation.
- Thompson NB, Schmid JR, Epperly SP, Snover ML, Braun-McNeill J, Witzell WN, Teas WG, Csuzdi LA, Myers RA. 2001. Stock assessment of leatherback sea turtles of the western North Atlantic. In: NMFS-SEFSC (National Marine Fisheries Service-Southeast Fisheries Science Center), editor. Stock assessments of loggerhead and leatherback sea turtles and an assessment of the impact of the pelagic longline fishery on the loggerhead and leatherback sea turtles of the western North Atlantic. NOAA Technical Memorandum NMFS-SEFSC-455. P. 67-104.
- Tomás J, Guitart R, Mateo R, Raga JA. 2002. Marine debris ingestion in loggerhead sea turtles, *Caretta caretta*, from the Western Mediterranean. *Marine Pollution Bulletin* 44:211-216.
- Tougaard J, Hermannsen L, Madsen. PT. 2020. How loud is the underwater noise from operating offshore wind turbines? *Journal of the Acoustical Society of America* 148:2885–2892.
- Turtle Expert Working Group (TEWG). 2007. An assessment of the leatherback turtle population in the Atlantic Ocean. Turtle Expert Working Group. 116 p. Report No. NOAA Technical Memorandum NMFS-SEFSC-555.

- United States Army Corps of Engineers (USACE). 2020. South Atlantic regional biological opinion for dredging and material placement activities in the Southeast United States. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service. 653 p.
- United States Fish and Wildlife Service (USFWS). 2001. Nesting loggerhead sea turtle activity report 2000 and 1980-2000 nesting summary.
- United States Fish and Wildlife Service (USFWS). 2005. Refuge update. Newsletter of the National Wildlife Refuge System. U.S. Fish and Wildlife Service. 1-24 p.
- United States Fish and Wildlife Service and National Marine Fisheries Service (USFWS and NMFS). 1992. Recovery plan for the Kemp's ridley sea turtle (*Lepidochelys kempii*). St. Petersburg, Florida.
- Vargo S, Lutz P, Odell D, Van Vleet E, Bossart G. 1986. Final report study of the effects of oil on marine turtles. Vienna, Virginia: Minerals Management Service.
- Vegter AC, Barletta M, Beck C, Borrero J, Burton H, Campbell ML, Costa MF, Eriksen M, Eriksson C, Estrades A, et al. 2014. Global research priorities to mitigate plastic pollution impacts on marine wildlife. *Endangered Species Research* 25(3):225-247. 10.3354/esr00623.
- Weber M. 1995. Kemp's ridley sea turtle, *Lepidochelys kempii*. In: Plotkin PT, editor. Status reviews of sea turtles listed under the Endangered Species Act of 1973. Silver Spring, Maryland: National Marine Fisheries Service. 109-122 p.
- Wellfleet Bay Wildlife Sanctuary. 2018. Summary data of cold stunned sea turtles by year and species. Accessed 20 February 2022.
- Wilhelmsson D, Malm T, Ohman MC. 2006. The influence of offshore windpower on demersal fish. *ICES Journal of Marine Science* 63:775-784.
- Winton MV, Fay G, Haas HL, Arendt M, Barco S, James MC, Sasso C, Smolowitz R. 2018. Estimating the distribution and relative density of satellite-tagged loggerhead sea turtles using geostatistical mixed effects models. *Marine Ecology Progress Series* 586:217-232.
- Witherington B, Hiram S, Hardy R. 2012. Young sea turtles of the pelagic *Sargassum*-dominated drift community: habitat use, population density, and threats. *Marine Ecology Progress Series* 463:1-22. 10.3354/meps09970.
- Witherington BE, Martin RE. 2003. Understanding, assessing, and resolving light-pollution problems on sea turtle nesting beaches. St. Petersburg, Florida: Florida Fish and Wildlife Conservation Commission.
- Zarriello MC, Steadman DW. 1987. Historic specimens from Long Island, New York. *Marine Turtle Newsletter* 40:12.

1.3.11 Wetlands and Other Waters of the United States

- Edinger GJ, Evans DJ, Gebauer S, Howard TG, Hunt DM, Olivero AM (editors). 2014. Ecological communities of New York State. Second Edition. A revised and expanded edition of Carol

Reschke's Ecological Communities of New York State. New York Natural Heritage Program, New York State Department of Environmental Conservation, Albany, NY.

New York State Department of Environmental Conservation (NYSDEC). 2008a. Coastal fish & wildlife habitat assessment form – Carmans River. [accessed 2022 Jun 09]. https://dos.ny.gov/system/files/documents/2020/03/carmans_river.pdf.

New York State Department of Environmental Conservation (NYSDEC). 2008b. Coastal fish & wildlife habitat assessment form – Carmans River. December 15. [accessed 2022 Jul 18]. https://dos.ny.gov/system/files/documents/2020/03/carmans_river.pdf.

Sunrise Wind. 2021. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. October 2021. 998 p.

Sunrise Wind. 2022. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.

United States Fish and Wildlife Service (USFWS). 2021. National wetland inventory wetland classification codes. [accessed 2022 Jan 01]. <https://www.fws.gov/program/national-wetlands-inventory/classification-codes>.

United States Fish and Wildlife Service (USFWS). 2022. National wetland inventory mapper. 2022. [accessed 2022 Jun 09]. <http://www.fws.gov/wetlands/Data/Mapper.html>.

1.3.12 Commercial Fisheries and For-Hire Recreational Fishing

Atlantic States Marine Fisheries Commission (ASMFC). 2021. Fisheries management. [accessed 2022 Jun 10]. <http://www.asmfc.org/fisheries-management/program-overview>.

Barange M, Bahri T, Beveridge M, Cochrane K, Funge-Smith S, Poulain F. 2018. Impacts of climate change on fisheries and aquaculture: synthesis of current knowledge, adaptation and mitigation options. FAO Fisheries and Aquaculture Technical Paper 627. Rome, Italy.

Bureau of Ocean Energy Management (BOEM). 2018. Commercial fishing frequently asked questions. Wind energy on the outer continental shelf. [accessed 2022 Jun 10]. [https://www.boem.gov/sites/default/files/uploadedFiles/BOEM-Fishing FAQs.pdf](https://www.boem.gov/sites/default/files/uploadedFiles/BOEM-Fishing%20FAQs.pdf).

Bureau of Ocean Energy Management (BOEM). 2019. National environmental policy act documentation for impact-producing factors in the offshore wind cumulative impacts scenario on the North Atlantic outer continental shelf. OCS Study BOEM 2019-036. May 2019. 201 p. [accessed 2022 Jun 10]. <https://www.boem.gov/sites/default/files/environmental-stewardship/Environmental-Studies/Renewable-Energy/IPFs-in-the-Offshore-Wind-Cumulative-Impacts-Scenario-on-the-N-OCS.pdf>.

Bureau of Ocean Energy Management (BOEM). 2021a. Vineyard Wind 1 Offshore Wind Energy Project final environmental impact statement. OCS EIS/EA BOEM 2021-0012. [accessed 2022 Jun 10].

- <https://www.boem.gov/sites/default/files/documents/renewable-energy/state-activities/Vineyard-Wind-1-FEIS-Volume-1.pdf>.
- Bureau of Ocean Energy Management (BOEM). 2021b. South Fork Wind Farm and South Fork Export Cable Project final environmental impact statement. OCS EIS/EA BOEM 2020-057. [accessed 2022 Jun 10]. <https://www.boem.gov/renewable-energy/state-activities/sfwf-feis>.
- Colburn LL, Jepson M, Weng C, Seara T, Weiss J, Hare JA. 2016. Indicators of climate change and social vulnerability in fishing dependent communities along the eastern and Gulf Coasts of the United States. *Marine Policy* 74 (December):323–333.
- Denes SL, Zeddies DG, Weirathmueller MM. 2021. Turbine foundation and cable installation at South Fork Wind Farm: underwater acoustic modeling of construction noise. Appendix J1 in Construction and Operations Plan South Fork Wind Farm. Silver Spring, Maryland: JASCO Applied Sciences.
- DNV-GL. 2021. South Fork Wind Farm navigation safety risk assessment. Appendix M in Construction and Operations Plan South Fork Wind Farm. Prepared for Deepwater Wind, LLC. Document No. 10057311-HOU-R-01. Medford, Massachusetts: DNV-GL.
- Ecology and Environment, Inc. 2013. Development of mitigation measures to address potential use conflicts between commercial wind energy lessees/grantees and commercial fishers on the Atlantic outer continental shelf: Report on best management practices and mitigation measures. OCS Study BOEM 2014-654. Final report. Herndon, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewal Energy Programs.
- English PA, Mason TI, Backstrom JT, Tibbles BJ, Mackay AA, Smith MJ, Mitchell T. 2017. Improving efficiencies of national environmental policy act documentation for offshore wind facilities case studies report. U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. OCS Study BOEM 2017-026.
- Fabrizio MC, Manderson JP, Pessutti JP. 2014. Home range and seasonal movements of black sea bass (*Centropristis striata*) during their Inshore residency at a reef in the Mid-Atlantic Bight. *Fishery Bulletin* 112:82–97. 10.7755/FB.112.1.5.
- Hare JA, Morrison WE, Nelson MW, Stachura MM, Teeters EJ, Griffis RB, Alexander MA, Scott JD, Alade L, Bell RJ. 2016. A vulnerability assessment of fish and invertebrates to climate change on the Northeast US Continental Shelf. *PLoS ONE* 11(2):e0146756.
- Hiddink JG, Jennings S, Sciberras M, Szosteka CL, Hughes KM, Ellis N, Rijnsdorpe AD, McConnaughey RA, Mazord T, Hilborn R, Collie JS, Pitcher CR, Amoroso RO, Parmai AM, Suuronen P, Kaiser MJ. 2017. Global analysis of depletion and recovery of seabed biota after bottom trawling disturbance. *Proceedings of the National Academy of Sciences* 114: 8301–8306. [accessed 2022 Jun 10]. <https://doi.org/10.1073/pnas.1618858114>.
- Kirkpatrick AJ, Benjamin S, DePiper GS, Murphy SST, Demarest C. 2017. Socio-economic impact of outer continental shelf wind energy development on fisheries in the U.S. Atlantic. Vol. II—Appendices. U.S. Department of the Interior, Bureau of Ocean Energy Management, Atlantic OCS Region. Washington, D.C.

- Mid-Atlantic Fishery Management Council (MAFMC). 2021. Fishery management plans and amendments. [accessed 2022 Jun 10]. <https://www.mafmc.org/fishery-management-plans>.
- Moser J, Shepherd GR. 2009. Seasonal distribution and movement of black sea bass (*Centropristis striata*) in the Northwest Atlantic as determined from a mark-recapture experiment. *J. Northw. Atl. Fish. Sci.* 40:17–28. 10.2960/J.v40.m638.
- National Marine Fisheries Service (NMFS). 2019. NMFS Office of Law Enforcement. Personal communication. September.
- National Marine Fisheries Service (NMFS). 2020. The economic importance of seafood. [accessed 2022 Jun 10]. <https://www.fisheries.noaa.gov/feature-story/economic-importance-seafood>.
- National Marine Fisheries Service (NMFS). 2021a. Greater Atlantic Regional Fisheries Office (GARFO). Personal communication. May.
- National Marine Fisheries Service (NMFS). 2021b. Consolidated Atlantic highly migratory species management plan. [accessed 2022 Jun 10]. <https://www.fisheries.noaa.gov/management-plan/consolidated-atlantic-highly-migratory-species-management-plan>.
- National Marine Fisheries Service (NMFS). 2021c. Commercial fisheries landings: annual commercial landings statistics. [accessed 2022 Jun 10]. <https://www.fisheries.noaa.gov/foss/f?p=215:200:2279965787496::NO:RP>.
- National Marine Fisheries Service (NMFS). 2021d. Program glossary. [accessed 2022 Jun 10]. <https://www.st.nmfs.noaa.gov/st1/recreational/overview/glossary.html>.
- National Marine Fisheries Service (NMFS). 2021e. Landings and revenue data for wind energy areas, 2007-2019. [accessed 2021 Aug 07]. https://www.greateratlantic.fisheries.noaa.gov/ro/fso/reports/WIND/ALL_WEA_BY_AREA_DATA.html.
- National Marine Fisheries Service (NMFS). 2022a. Sunrise Wind data request for commercial and recreational fishing data for the updated lease area provided by NMFS via email from Benjamin Galuardi to Ursula Howson on May 24, 2022.
- National Marine Fisheries Service (NMFS). 2022b. Personal communication – conference call held on April 6, 2022 between NMFS, BOEM and Prospect Hill Consulting, LLC.
- National Oceanic and Atmospheric Administration (NOAA). 2022. Social indicators for coastal communities. [accessed 2022 Jun 10]. <https://www.st.nmfs.noaa.gov/data-and-tools/social-indicators/>.
- New England Fishery Management Council (NEFMC). 2021. Management plans. [accessed 2022 Jun 10]. <https://www.nefmc.org/management-plans>.
- Responsible Offshore Development Alliance (RODA). 2021. Comment letter RE: Notice of intent to prepare an environmental impact statement for Ocean Wind, LLC's proposed wind energy facility offshore New Jersey. Docket No. BOEM-2021-0652. Dated April 29, 2021.

- Rogers LA, Griffin R, Young T, Fuller E, Martin KS, Pinsky ML. 2019. Shifting habitats expose fishing communities to risk under climate change. *Nature Climate Change* 9 (7):512–516.
- Secor DH, Zhang F, O’Brien MHP, Li, M. 2018. Ocean destratification and fish evacuation caused by a Mid-Atlantic tropical storm. *ICES Journal of Marine Science* 76(2):573–584. [accessed 2022 Jun 10]. <https://doi.org/10.1093/icesjms/fsx241>.
- Steinback S, Brinson A. 2013. The economics of the recreational for-hire fishing industry in the Northeast United States. U.S. Dept. Commerce, Northeast Fisheries Science Center. Ref Doc. 13-03; 49 p. [accessed 2022 Jun 10]. https://www.savingseafood.org/images/recreational_econ.pdf.
- Sunrise Wind. 2021. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. October 2021. 998 p.
- Sunrise Wind. 2022. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.
- ten Brink TS, Dalton T. 2018. Perceptions of commercial and recreational fishers on the potential ecological impacts of the Block Island Wind Farm (US). *Frontiers in Marine Science* 5:1–13.

1.3.13 Cultural Resources

- Bureau of Ocean Energy Management (BOEM). 2019. National environmental policy act documentation for impact-producing factors in the offshore wind cumulative impacts scenario on the North Atlantic Continental Shelf. U.S. Dept. of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. Sterling, VA. OCS Study 2019- 036.
- Council on Environmental Quality (CEQ) and Advisory Council on Historic Preservation (ACHP). 2013. NEPA and NHPA: a handbook for integrating NEPA and section 106. [accessed 2022 Jun 09]. <https://www.achp.gov/digital-library-section-106-landing/nepa-and-nhpa-handbook-integrating-nepa-and-section-106>.
- Sunrise Wind. 2022. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.
- TRC Environmental Corporation 2012. Inventory and analysis of archaeological site occurrence on the Atlantic outer continental shelf. U.S. Department of the Interior, Bureau of Ocean Energy, Gulf of Mexico OCS Region. New Orleans, LA. OCS Study BOEM 2012-008.

1.3.14 Demographics, Employment, and Economics

- American Wind Energy Association (AWEA) 2020. U.S. offshore wind power economic impact assessment. [accessed 2022 Jun 09]. https://supportoffshorewind.org/wp-content/uploads/sites/6/2020/03/AWEA_Offshore-Wind-Economic-ImpactsV3.pdf.

- Atkinson-Palombo C, Hoen B. 2014. Relationship between wind turbines and residential property values in Massachusetts: a joint report of University of Connecticut and Lawrence Berkeley National Laboratory. [accessed 2022 Jun 09].
<http://files.masscec.com/research/RelationshipWindTurbinesandResidentialPropertyValuesinMassachusetts.pdf>.
- Bureau of Economic Analysis (BEA). 2018. Local area personal income: new estimates for 2017; comprehensive updates for 2001-2016: BEA 18-63. November 15, 2018. U.S. Department of Commerce. [accessed 2022 Jun 10]<https://www.bea.gov/news/2018/local-area-personal-income>.
- Bureau of Economic Analysis (BEA). 2019. Gross domestic product by state: first quarter of 2019: BEA 19-37. July 25. U.S. Department of Commerce. [accessed 2022 Jun 10]
<https://www.bea.gov/news/2019/gross-domestic-product-state-first-quarter-2019>.
- Bureau of Economic Analysis (BEA). 2020. Current-dollar gross domestic product (GDP) by state and region, 2018: Q1–2019: Q4. [accessed 2022 Jun 09]. <https://www.bea.gov/data/gdp/gdp-state>.
- Bureau of Ocean Energy Management (BOEM). 2021. Vineyard Wind 1 Offshore Wind Energy Project – FEIS. March 2021. [accessed 2022 Jun 10]. <https://www.boem.gov/vineyard-wind>.
- BVG Associates Limited. 2017. U.S. Job creation in offshore wind: a report for the roadmap project for multi-state cooperation on offshore wind. Final Report. Report No. 17-22. Report for New York State Energy Research and Development Authority (NYSERDA). [accessed 2022 Jun 10]
<https://www.nyserdera.ny.gov/-/media/Files/Publications/Research/Biomass-Solar-Wind/Master-Plan/US-job-creation-in-offshore-wind.pdf>.
- Connecticut Department of Labor. 2018. Labor force monthly data with annual averages by county (2018). [accessed 2022 Jun 10]. <https://www1.ctdol.state.ct.us/lmi/laus/lauscty.asp>.
- E2. 2018. Offshore wind – generating economic benefits on the east coast. [accessed 2022 Jun 09].
<https://www.e2.org/wp-content/uploads/2018/08/E2-OCS-Report-Final-8.30.18.pdf>.
- Georgetown Economic Services, LLC. 2020. Potential employment impact from offshore wind in the United States: The Mid-Atlantic and New England region. July 27, 2020. [accessed 2022 Jun 09].
https://rodafisheries.org/wp-content/uploads/2020/09/RODA-Paper_Final-Version-7.27.2020.pdf.
- Gould R, Cresswell E. 2017. New York State and the jobs of offshore wind energy. Workforce Development Institute, New York. [accessed 2022 Jun 09].
https://wdiny.org/Portals/0/New%20York%20State%20and%20The%20Jobs%20Of%20Offshore%20Wind%20Energy_%20WDI2017.pdf.
- ICF Incorporated, LLC (ICF). 2012. Atlantic region wind energy development: recreation and tourism economic baseline development. Impacts of offshore wind on tourism and recreation economies. OCS Study. BOEM 2012-085.

- Jensen CU, Panduroa TE, Lundhede TH, Nielsenc ASE, Dalsgaard M, Thorsen BJ. 2018. The impact of on-shore and off-shore wind turbine farms on property prices. Elsevier – Energy Policy 116 (2018) 50-59. [accessed 2022 Jun 09]. http://macroeconintern.dk/pdf-reprints/Jensen_EP_2018.pdf.
- Lutzeyer S, Phaneuf DJ, Taylor LO. 2017. The amenity costs of offshore windfarms: evidence from a choice experiment. (CEnREP Working Paper No. 17-017). Raleigh, NC: Center for Environmental and Resource Economic Policy. August 2017.
- Massachusetts Executive Office of Labor and Workforce Development. 2019. Labor force and unemployment data. [accessed 2019 Aug 12]. http://lmi2.detma.org/lmi/lmi_lur_a.asp.
- National Oceanic and Atmospheric Administration (NOAA). 2018. Office for Coastal Management. DigitalCoast ENOW explorer. [accessed 2022 Jun 09]. <https://coast.noaa.gov/digitalcoast/tools/enow.html>.
- National Oceanic and Atmospheric Administration (NOAA). 2022. ENOW for self-employed workers data set. [accessed 2022 Jun 09]. <https://coast.noaa.gov/digitalcoast/data/enow-nes.html>.
- New York State Department of Labor 2019. Labor area unemployment statistics program. [accessed 2020 Jun 10]. <https://labor.ny.gov/stats/lslaus.shtm>. <https://portofnewbedford.org/the-new-bedfordport-authority/>.
- Parsons G, Firestone J. 2018. Atlantic offshore wind energy development: values and implications for recreation and tourism. U.S. Department of the Interior, Bureau of Ocean Energy Management. [accessed 2022 Jun 09]. <https://epis.boem.gov/final%20reports/5662.pdf>.
- Rhode Island Department of Labor and Training 2019a. Rhode Island labor force statistics (not seasonally adjusted), 1976 – present. [accessed 2022 Jun 09]. <http://www.dlt.ri.gov/lmi/laus/state/unadj.htm>.
- Rhode Island Department of Labor and Training 2019b. Providence County labor force statistics. [accessed 2022 Jun 09]. <http://www.dlt.ri.gov/lmi/pdf/towns/providencecounty.pdf>.
- Rhode Island Department of Labor and Training 2019c. Washington County labor force statistics. [accessed 2022 Jun 09]. <http://www.dlt.ri.gov/lmi/pdf/towns/washingtoncounty.pdf>.
- Sunrise Wind. 2021. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. October 2021. 998 p.
- Sunrise Wind. 2022. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.
- United States Bureau of Labor Statistics (USBLS). 2019. Local area unemployment statistics. [accessed 2022 Jun 09]. <https://www.bls.gov/lau/>.
- United States Bureau of Labor Statistics (USBLS). 2020. Labor force data by county, 2018 annual averages. [accessed 2022 Jun 09]. <https://www.bls.gov/lau/laucnty18.txt>.

- United States Census Bureau (USCB). 2000. DP-1: profile of general demographic characteristics: 2000. Census 2000 summary file 1 100-percent data. [accessed 2022 Jun 10]. <https://www.census.gov/library/publications/2001/dec/2kh.html>.
- United States Census Bureau (USCB). 2010. DP-1: profile of general population and housing characteristics: 2010. 2010 demographic profile data. [accessed 2022 Jun 10]. <https://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml>.
- United States Census Bureau (USCB). 2018a. 2014-2018 American community survey 5-year estimates. [accessed 2022 Jun 10]. <https://www.census.gov/newsroom/press-releases/2019/acs-5-year.html>.
- United States Census Bureau (USCB). 2018b. B25004: vacancy status. 2014-2018 American community survey 5-year estimates. Prepared by Social Explorer. [accessed 2022 Jun 10]. [socialexplorer.com](https://www.socialexplorer.com).
- United States Census Bureau (USCB). 2018c. B25075: value universe: owner-occupied housing units. 2014-2018 American community survey 5-year estimates. Prepared by Social Explorer. [accessed 2022 Jun 10]. [socialexplorer.com](https://www.socialexplorer.com).
- United States Census Bureau (USCB). 2019. Quick facts. [accessed 2022 Jun 10]. <https://www.census.gov/quickfacts/fact/table/US/PST045221>.
- University of Delaware 2019. Supply chain contracting forecast for U.S. offshore wind power: special initiative on offshore wind. March 2019. [accessed 2022 Jun 09]. <https://www.noia.org/wp-content/uploads/2019/05/SIOW-Paper.pdf>.

1.3.15 Environmental Justice

- Buonocore JJ, Luckow P, Fisher J, Kempton W, Levy JL. 2016. Health and climate benefits of offshore wind facilities in the Mid-Atlantic United States. *Environmental Research Letters* 11: 074019. July 14, 2016. [accessed 2022 Jun 09]. <https://iopscience.iop.org/article/10.1088/1748-9326/11/7/074019/pdf>.
- Connecticut Department of Energy and Environmental Protection (CT DEEP). 2022. Environmental justice communities webpage. [accessed 2022 Jun 10]. <https://portal.ct.gov/DEEP/Environmental-Justice/Environmental-Justice-Communities#Map>
- Connecticut Department of Energy and Environmental Protection (CT DEEP). 2021. Connecticut 2021 environmental justice communities digital map. [accessed 2022 Jun 10]. <https://ctdeep.maps.arcgis.com/apps/webappviewer/index.html?id=d04ec429d0a4477b9526689dc7809ffe>.
- Connecticut Department of Energy and Environmental Protection (CT DEEP). 1993. Environmental equity policy. [accessed 2022 Jun 10]. <https://portal.ct.gov/DEEP/Environmental-Justice/Environmental-Equity-Policy>.

- Council on Environmental Quality (CEQ). 1997. Environmental justice: guidance under the national environmental policy act. Washington, D.C.: Executive Office of the President. [accessed 2022 Jun 09]. <https://ceq.doe.gov/docs/ceq-regulations-and-guidance/regs/ej/justice.pdf>.
- Massachusetts Executive Office of Energy and Environmental Affairs (EEA). 2021. Environmental justice policy of the EEA. [accessed 2022 Jun 10]. <https://www.mass.gov/doc/environmental-justice-policy6242021-update/download>.
- Massachusetts Executive Office of Energy and Environmental Affairs (EEA). 2020 Environmental justice populations GIS layer. June 2021. [accessed 2022 Jun 09]. <https://www.mass.gov/info-details/massgis-data-2020-environmental-justice-populations>.
- Maryland Commission on Environmental Justice and Sustainable Communities. 2021. Annual report 2020-2021. [accessed 2022 Jun 09]. <https://mde.maryland.gov/programs/crossmedia/EnvironmentalJustice/Documents/CEJSC%202021%20Annual%20Report.pdf>.
- National Oceanic and Atmospheric Administration (NOAA). 2022a. ENOW for self-employed workers data set. [accessed 2022 Jun 09]. <https://coast.noaa.gov/digitalcoast/data/enow-nes.html>.
- National Oceanic and Atmospheric Administration (NOAA). 2022b. Social indicators for coastal communities. [accessed 2022 Jul 27]. <https://www.fisheries.noaa.gov/national/socioeconomics/social-indicators-coastal-communities>.
- New Jersey Department of Environmental Protection (NJDEP). 2020. Overburdened communities under the New Jersey environmental justice law GIS layer. January 2020 [updated January 2021; accessed 2022 Jun 09]. <https://gisdata-njdep.opendata.arcgis.com/datasets/njdep::overburdened-communities-under-the-new-jersey-environmental-justice-law/about>.
- New York State Department of Environmental Conservation (NYSDEC). 2003. Commissioner policy 29, environmental justice and permitting. [accessed 2022 Jun 09]. https://www.dec.ny.gov/docs/permits_ej_operations_pdf/cp29a.pdf.
- New York State Department of Environmental Conservation (NYSDEC). 2021. Office of environmental justice potential environmental justice areas GIS layer. May 2021. [accessed 2022 Jun 09]. <https://gis.ny.gov/gisdata/inventories/details.cfm?DSID=1273>.
- New York State Energy Research and Development Authority (NYSERDA). 2021. New York State disadvantaged communities barriers and opportunities. Report No. 21-35. [accessed 2022 Jun 10]. <https://climate.ny.gov/-/media/Project/Climate/Files/21-35-NY-Disadvantaged-Communities-Barriers-and-Opportunities-Report.ashx>.
- Rhode Island Department of Environmental Management (RIDEM). 2022. RIDEM environmental resource map. Boundaries and regulatory overlays – RIDEM environmental justice area 2022. [accessed 2022 Jun 09]. <https://ridemgis.maps.arcgis.com/apps/webappviewer/index.html?id=87e104c8adb449eb9f905e5f18020de5>.

- Rhode Island Department of Environmental Management (RIDEM). 2009. Policy for considering environmental justice in the review of investigation and remediation of contaminated properties. [accessed 2022 Jun 10]. <http://www.dem.ri.gov/envequity/pdf/ejfinal.pdf>
- Sunrise Wind. 2021. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. October 2021. 998 p.
- Sunrise Wind. 2022. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.
- Thind MPS, Tessum CW, Azevedo IL, Marshall JD. 2019. Fine particulate air pollution from electricity generation in the US: Health impacts by race, income, and geography: abstract. *Environ. Sci. Technol.* 53(23): 14010-14019. [accessed 2022 Jun 09]. <https://pubs.acs.org/doi/abs/10.1021/acs.est.9b02527>.
- United States Census Bureau (USCB) 2018a. B17001: Poverty status in the past 12 months by sex by age – universe: population for whom poverty status is determined. 2014-2018 American community survey 5-year estimates. Prepared by Social Explorer. [accessed 2022 Jun 10]. [socialexplorer.com](https://www.socialexplorer.com).
- United States Census Bureau (USCB). 2018b. B03002 Hispanic or Latino origin by race. 2014-2018 American community survey 5-year estimates. Prepared by Social Explorer. [accessed 2022 Jun 10]. https://www.socialexplorer.com/data/ACS2018_5yr/metadata/?ds=ACS18_5yr&table=B03002.
- United States Census Bureau (USCB). 2022. United States Census Bureau data tables. [accessed 2022 Jul 28]. <https://data.census.gov/cedsci/table>.
- United States Environmental Protection Agency (USEPA). 2016. Promising practices for EJ methodologies in NEPA reviews: Report for the federal interagency working group on environmental justice & NEPA committee. [accessed 2022 Jun 09]. https://www.epa.gov/sites/production/files/2016-08/documents/nepa_promising_practices_document_2016.pdf.
- United States Environmental Protection Agency (USEPA) 2016. Technical guidance for assessing environmental justice in regulatory analysis. [accessed 2022 Jun 09]. https://www.epa.gov/sites/default/files/2016-06/documents/ejtg_5_6_16_v5.1.pdf.
- United States Environmental Protection Agency (USEPA) 2022a. EJSCREEN technical documentation and data. [accessed 2022 Jun 09]. <https://www.epa.gov/ejscreen>.
- United States Environmental Protection Agency (USEPA). 2022b. EJSCREEN: environmental justice screening and mapping tool. [accessed 2022 Jul 26]. <https://www.epa.gov/ejscreen/download-ejscreen-data>.
- Virginia Department of Environmental Quality (VADEQ). 2020. Environmental justice initiative. [accessed 2022 Jun 09]. <https://www.deq.virginia.gov/home/showpublisheddocument/1813/637425424131330000>.

1.3.16 Land Use and Coastal Infrastructure

- Bureau of Ocean Energy Management (BOEM). 2016. The identification of port modifications and their environmental and socioeconomic consequences. Washington (DC): U.S. Department of the Interior, Bureau of Ocean Energy Management. OCS BOEM Study 2016-034. 238 p.
- Carver Companies. 2022. Port of Coeymans marine terminal services. [accessed 2022 Jan 20]. <https://www.carvercompanies.com/port-of-coeymans-marine-terminal/>.
- Connecticut Port Authority. 2021. State pier infrastructure improvement project. Old Saybrook (CT): Connecticut Port Authority. [accessed 2022 Jan 20]. <https://statepiernewlondon.com/>.
- National Park Foundation. 2022. Fire Island National Seashore. Washington (DC): National Park Foundation. [accessed 2022 Jan 20]. <https://www.nationalparks.org/connect/explore-parks/fire-island-national-seashore>.
- National Park Service (NPS). 2021. Fire Island National Seashore, New York: basic information. Washington (DC): National Park System. [last updated 2021 Sep 03; accessed 2022 Jan 20]. <https://www.nps.gov/fiis/planyourvisit/basicinfo.htm>.
- New York State (NYS). 2022. Suffolk, County. Albany (NY): New York State. [accessed 2022 Jan 20]. <https://www.ny.gov/counties/suffolk#:~:text=Suffolk%201%20Overview.%20Suffolk%20County%20is%20the%20easternmost,...%203%20Elected%20Officials%204%20Municipalities%205%20Contact>.
- Parsons, G. Firestone, J. 2018. Atlantic offshore wind energy development: values and implications for recreation and tourism. Sterling (VA): US Department of the Interior, Bureau of Ocean Energy Management. OCS Study BOEM 2018-013. 52 p.
- Port of Albany. 2019. Facilities. [accessed 2022 Jan 20]. <https://www.portofalbany.us/what-we-do/facilities/#terminal>.
- Quonset Business Park. 2022. Port facilities. [accessed 2022 Jan 20]. <http://www.quonset.com/sea/port-facilities/>.
- Suffolk County. 2016. Land use map for Brookhaven, Suffolk County, New York. [accessed 2022 Jan 20]. https://www.suffolkcountyny.gov/portals/0/formsdocs/planning/Cartography/tbr_11x17_07cd22.pdf.
- Suffolk County. 2018a. General – municipal boundaries, transportation, and hospitals map of Suffolk County, New York. [accessed 2022 Jan 20]. <https://www.suffolkcountyny.gov/portals/0/formsdocs/planning/Cartography/2018%20Atlas/general.pdf>.
- Suffolk County. 2018b. National register of historic places map of Suffolk County, New York. [accessed 2022 Jan 20]. https://www.suffolkcountyny.gov/portals/0/formsdocs/planning/Cartography/2018%20Atlas/NatRegHistoricPlaces_atlas_18cd07r.pdf.

- Suffolk County. 2020. GIS maps: Land use 2016 polygon. [updated 2020 Dec 08; accessed 2022 Jan 20]. <https://opendata.suffolkcountyny.gov/datasets/SuffolkGIS::landuse-2016-polygon/about>.
- Suffolk County Parks. 2018. Smith Point County Park. [updated 2021; accessed 2022 Jan 20]. <https://www.suffolkcountyny.gov/Departments/Parks/Our-Parks/Smith-Point-County-Park>.
- Sunrise Wind. 2021. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. October 2021. 998 p.
- Sunrise Wind. 2022. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.
- Town of Brookhaven, New York (Brookhaven). 2022. History. Brookhaven (NY): Town of Brookhaven, New York; [accessed 2022 Jan 20]. <https://www.brookhavenny.gov/524/History>.
- United States Coast Guard (USCG). 2022. Light list volume I, Atlantic Coast: St. Croix River, Maine to Shrewsbury River, New Jersey. [updated 2022; accessed 2022 Feb 18]. <https://mdnautical.com/clipper-city-publishing/831-uscg-light-list-i-2022-atlantic-coast-st-croix-river-maine-to-shrewsbury-river-new-jersey.html>.

1.3.17 Navigation and Vessel Traffic

- Bureau of Ocean Energy Management (BOEM). 2019. National environmental policy act documentation for impact-producing factors in the offshore wind cumulative impacts scenario on the North Atlantic outer continental shelf. OCS Study BOEM 2019-036. May 2019. 201 p. [accessed 2022 Jun 10]. <https://www.boem.gov/sites/default/files/environmental-stewardship/Environmental-Studies/Renewable-Energy/IPFs-in-the-Offshore-Wind-Cumulative-Impacts-Scenario-on-the-N-OCS.pdf>
- DNV GL. 2020. Sunrise Wind Farm Project navigation safety risk assessment. Medford: Stantec Consulting Services Inc.
- Hewlett JC. 1994. Ship navigation simulation study, Houston-Galveston navigation channels, Texas. Report 1. Houston Ship Channel, Bay Segment. Tech, rep., DTIC Document.
- Hong I, Murray AT. 2013. Efficient measurement of continuous space shortest distance around barriers. *International Journal of Geographical Information Science* 27(12): 2302-2318.
- National Academies of Sciences, Engineering, and Medicine. 2022. Wind turbine generator impacts to marine vessel radar. Washington: The National Academies Press. [accessed 27 Jul 2022] <https://doi.org/10.17226/26430>.
- Sunrise Wind. 2021. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. October 2021. 998 p.

- Sunrise Wind. 2022. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.
- United States Coast Guard. 2007. Guidance on the Coast Guard's roles and responsibilities for offshore renewable energy installations (OREI). Navigation and Vessel Inspection Circular No. 02-07, Washington, DC: United States Coast Guard, 26.
- United States Coast Guard (USCG). 2016. Atlantic Coast port access route study. Docket no. USCG-2011-0351. [accessed 27 Jul 2022]. <https://www.regulations.gov/document/USCG-2019-0279-0005>.
- United States Coast Guard (USCG). 2020. The areas offshore of Massachusetts and Rhode Island port access study. Docket number USCG-2019-0131. [accessed 27 Jul 2022]. <https://www.regulations.gov/document/USCG-2019-0131-0101>.

1.3.18 Other Uses (Marine Minerals, Military Use, Aviation, Scientific Research, and Surveys)

- Baird. 2020. Re: proposal for a uniform 1 X 1 nm wind turbine layout for New England offshore wind. [accessed 2022 Jun 09]. <https://static1.squarespace.com/static/5a2eae32be42d64ed467f9d1/t/5dd3d3e476d4226b2a83db25/1574163438896/Proposed+1x1+layout+from+RI-MA+Leaseholders+1+Nov+19+%281%29.pdf>.
- Bureau of Ocean Energy Management (BOEM). 2012. Commercial wind lease issuance and site assessment activities on the Atlantic outer continental shelf offshore Rhode Island and Massachusetts environmental assessment. [accessed 2022 Aug 1]. https://www.boem.gov/sites/default/files/uploadedFiles/BOEM/Renewable_Energy_Program/State_Activities/BOEM_RI_MA_EA_2012-070_719.pdf.
- Bureau of Ocean Energy Management (BOEM). 2018. Draft guidance regarding the use of a project design envelope in a construction and operations plan. [accessed 2022 Jun 10]. <https://www.boem.gov/sites/default/files/renewable-energy-program/Draft-Design-Envelope-Guidance.pdf>.
- Bureau of Ocean Energy Management (BOEM). 2019. Study: Impact assessment of offshore wind turbines on high frequency coastal oceanographic radar. [accessed 2022 Sep 30]. <https://marinecadastre.gov/espis/#!/search/study/100141>.
- Bureau of Ocean Energy Management (BOEM). 2021. Vineyard Wind 1 Offshore Wind Energy Project final environmental impact statement. OCS EIS/EA BOEM 2021-0012. [accessed 2022 April 1]. <https://www.boem.gov/vineyard-wind>.
- Bureau of Ocean Energy Management (BOEM). 2022. NOAA Fisheries and BOEM federal survey mitigation implementation strategy – Northeast U.S. Region. Draft March 2022. [accessed 2022 Sep 30]. https://media.fisheries.noaa.gov/2022-03/NOAA%20Fisheries-and-BOEM-Federal-Survey-Mitigation_Strategy_DRAFT_508.pdf.

- Colburn R, Randolph C, Drummond C, Miles M, Brody F, McGillen C, Krieger A, Jankowski R. 2020. Radar interference analysis for renewable energy facilities on the Atlantic outer continental shelf. OCS Study BOEM 2020-039. McLean, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management.
- Epsilon Associates, Inc. 2018. Draft construction and operations plan. Vineyard Wind Project. October 22. [accessed 2022 Jun 10]. <https://boem.gov/Vineyard-Wind/>.
- Federal Aviation Administration (FAA). 2022. Boston terminal area chart– effective May 19, 2022, to July 14, 2022.
- Gabriel W. 2019. Offshore wind in the Northeast region special session: III. Research and monitoring. slide 30. Presentation to the Northeast Fisheries Management Council. April 18, 2019. [accessed 2022 Feb 28]. <https://s3.amazonaws.com/nefmc.org/III-Research-and-monitoring.pdf>.
- Hare JA, Blyth BJ, Ford KH, Hooker BR, Jensen BM, Lipsky A, Nachman C, Pfeiffer L, Rasser M, Renshaw K. 2022. NOAA Fisheries and BOEM Federal Survey Mitigation Implementation Strategy -Northeast U.S. Region. NOAA Technical Memorandum 292. Woods Hole, MA. 33 pp.
- Integrated Ocean Observing System. 2018. IOOS HF radar website. [accessed 2022 Jun 09]. <https://hfradar.ioos.us/>.
- Mid-Atlantic Regional Council of the Ocean (MARCO). 2019. Mid-Atlantic Ocean data portal [MARCO]. [accessed 2022 Jun 09]. <http://portal.midatlanticocean.org/visualize/#x=-73.24&y=38.93&z=7&logo=true&controls=true&basemap=Ocean&tab=data&legends=false&layers=true>.
- Office for Coastal Management (OCM). 2019. DOD offshore wind mission compatibility assessments. [accessed 2022 Jun 09]. <https://inport.nmfs.noaa.gov/inport/item/48875>.
- Rhode Island Coastal resource Management Council (RI CRMC). 2010. Rhode Island ocean special area management plan. Adopted by RI CRMC on October 19, 2010. [accessed 2022 August 1]. <http://seagrant.gso.uri.edu/oceansamp/documents.html>.
- Sunrise Wind. 2021. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. October 2021. 998 p.
- Sunrise Wind. 2022. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.
- United States Army Corps of Engineers (USACE). 2018. Ocean dredged material disposal site database. [accessed 2022 Jun 09]. <https://odd.el.erdc.dren.mil/ODMDSSearch.cfm>.
- United States Army Corps of Engineers (USACE) 2020. South Atlantic regional biological opinion for dredging and material placement activities in the Southeast United States. [accessed 2022 Jun 01]. <https://www.fisheries.noaa.gov/content/endangered-species-act-section-7-biological-opinions-southeast>. Accessed October 7, 2020.

United States Coast Guard (USCG). 2020. The areas offshore of Massachusetts and Rhode Island port access route study. USCG-2019-0131. January 22. [accessed 2022 Jun 10]. <https://www.federalregister.gov/documents/2020/05/27/2020-11262/port-access-route-study-the-areas-offshore-of-massachusetts-and-rhode-island>.

Weinberg J. 2020. Northeast Fisheries Science Center liaison to the New England Fishery Management Council. New England Fishery Management Council Meeting, January 28–30, 2020. [accessed 2022 Jun 09]. <https://www.nefmc.org/calendar/january-2020-council-meeting>.

1.3.19 Recreation and Tourism

Block Island Ferry. 2022. Block Island wind farm tours. Narragansett (RI): The Block Island Ferry; [updated 2022 Jan 01; accessed 2022 Jun 09]. <https://www.blockislandferry.com/wind-farm-tours>.

Bloeser J, Chen C, Gates M, Lipsky A, Longley-Wood K. 2015. Ocean planning in the Northeast-characterization of coastal and marine recreational activity in the U.S. Northeast. Point 97, Surfrider Foundation, and SeaPlan. 251 p. [accessed 2022 Jan 20]. http://archive.neoceanplanning.org/wp-content/uploads/2015/10/Recreation-Study_Final-Report.pdf.

Bolger T. 2016. A beginner's guide to a summer on Fire Island. Long Island Press. [accessed 2022 Jan 20]. <https://www.longislandpress.com/2016/05/21/a-beginners-guide-to-summer-on-fire-island/>.

Bureau of Ocean Energy Management (BOEM). 2012. Atlantic region wind energy development: recreation and tourism economic baseline development. [accessed 2022 Jan 20]. <https://coast.noaa.gov/data/digitalcoast/pdf/atlantic-region-wind-energy.pdf>.

Bureau of Ocean Energy Management (BOEM). 2016. The identification of port modifications and their environmental and socioeconomic consequences. Washington (DC): U.S. Department of the Interior, Bureau of Ocean Energy Management. OCS BOEM Study 2016-034. 238 p.

Federal Highway Administration (FHWA). 2018. Techniques for reviewing noise analyses and associated noise reports. Washington (DC): U.S. Department of Transportation, Federal Highway Administration. FHWA-HEP-18-067. [accessed 2022 Jan 20]. https://www.fhwa.dot.gov/Environment/noise/resources/reviewing_noise_analysis/fhwahep18067.pdf.

HDR. 2019. Field observations during wind turbine operations at the Block Island Wind Farm, Rhode Island. U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. OCS Study BOEM 2019-028. Final Report. 281 p.

ICF Incorporated, LLC (ICF). 2012. Atlantic region wind energy development: recreation and tourism economic baseline development. Impacts of offshore wind on tourism and recreation economies. Herndon (VA): U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 533 p. [accessed 2022 Jan 20]. <https://coast.noaa.gov/data/digitalcoast/pdf/atlantic-region-wind-energy.pdf>.

- Kneebone J, Capizzano C. 2020. A comprehensive assessment of baseline recreational fishing effort for highly migratory species in Southern New England and associated wind energy area. Boston (MA): Final Report to Vineyard Wind LLC. [accessed 2022 Jan 20].
https://static1.squarespace.com/static/5a2eae32be42d64ed467f9d1/t/5efe58f0e8a2c9533e89c5aa/1593727227491/Kneebone+and+Capizzano_Final+report_HMS_Vineyard+Wind_6.30.20.pdf.
- Kraus SD, Leiter S, Stone K, Wikgren B, Mayo C, Hughes P, Kenney RD, Clark CW, Rice AN, Estabrook B, et al. 2016. Northeast Large Pelagic Survey Collaborative Aerial and Acoustic Surveys for Large Whales and Sea Turtles. OCS Study BOEM 2016-054. Sterling, Virginia: US Department of the Interior, Bureau of Ocean Energy Management.
- National Marine Fisheries Service (NMFS). 2021a. NOAA current fishery statistics, No. 2019. May 21, 2021. Silver Spring (MD): U.S. Department of Commerce, NOAA. [accessed 2022 Jan 20].
<https://www.fisheries.noaa.gov/national/sustainable-fisheries/fisheries-united-states>.
- National Marine Fisheries Service (NMFS). 2021b. Recreational fishing regulations by species. [accessed 2022 Jan 20]. <https://www.fisheries.noaa.gov/new-england-mid-atlantic/recreational-fishing/recreational-fishing-regulations-species#:~:text=Recreational%20Fishing%20Regulations%20by%20Species%201%20Notice%20to,9%20Atlantic%20Surf%20Clam.%20...%20More%20items...%20>.
- National Oceanic and Atmospheric Administration (NOAA). 2018. Quick report tool for socioeconomic data. [accessed 2022 Jan 19]. <https://www.st.nmfs.noaa.gov/data-and-tools/social-indicators/>.
- National Oceanic and Atmospheric Administration (NOAA). 2021. Recreational fishing regulations by species. Gloucester (MA): National Oceanic and Atmospheric Administration. [updated 2021 Aug 23; accessed 2022 Jan 20]. <https://www.fisheries.noaa.gov/new-england-mid-atlantic/recreational-fishing/recreational-fishing-regulations-species#:~:text=Possession%20limit%3A%2015%20fish%20per%20day%20Note%20%3A,Spawning%20Protection%20Area.%20Hake%20Whiting%20%28offshore%2C%20red%2C%20white%2C%20silver%29>.
- National Park Service (NPS). 2018. Fire Island National Seashore, New York. Patchogue (NY): U.S. Department of the Interior, National Park Service; [updated 2018 Apr 13; accessed 2022 Jan 20].
<https://www.nps.gov/fiis/learn/historyculture/fire-island-lighthouse-history.htm>.
- National Park Service (NPS). 2022. Visitor spending effects – economic contributions of National Park Visitor Spending, New York. Patchogue (NY): U.S. Department of the Interior, National Park Service; [updated July 12, 2022; accessed 2022 Oct 26].
<https://www.nps.gov/subjects/socialscience/vse.htm>.
- New York State Energy Research and Development Authority (NYSERDA). 2017. New York State offshore wind master plan: marine recreational use study. New York (NY): New York State Energy Research and Development Authority. 58 p. Report No.: 17-25m.
- Parsons G, Firestone J. 2018. Atlantic offshore wind energy development: values and implications for recreation and tourism. Sterling (VA): US Department of the Interior, Bureau of Ocean Energy Management. OCS Study BOEM 2018-013. 52 p.

- SeaPlan. 2013. 2012 northeast recreational boater survey: a socioeconomic and spatial characterization of recreational boating in coastal and ocean waters of the Northeast United States. Boston (MA): SeaPlan. 105 p.
- Sunrise Wind. 2021. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. October 2021. 998 p.
- Sunrise Wind. 2022. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.
- Webster K, Porter R. 2020. Legal limits on recreation fishing near offshore wind facilities. Bristol (RI): Sea Grant Law Fellow Publications. [accessed 2022 Jan 20].
<https://tethys.pnnl.gov/sites/default/files/publications/Legal-Limits-on-Recreational-Fishing-Near-Offshore-Wind-Facilities.pdf>.

1.3.20 Scenic and Visual Resources

- Atlantic Shores Offshore Wind Project (Atlantic Shores). 2021. Aircraft detection lighting system (ADLS) efficacy analysis. [accessed 2022 Oct 26].
<https://www.boem.gov/sites/default/files/documents/renewable-energy/state-activities/Appendix-II-M4-ADLS-Efficacy-Analysis.pdf>.
- Bureau of Ocean Energy Management (BOEM). 2021. Assessment of seascape, landscape, and visual impacts of offshore wind developments on the outer continental shelf of the United States. OCS Study BOEM 2021-032.
- Bureau of Ocean Energy Management (BOEM). 2016. The identification of port modifications and their environmental and socioeconomic consequences. Washington (DC): U.S. Department of the Interior, Bureau of Ocean Energy Management. OCS BOEM Study 2016-034. 238 p.
- Environmental Design & Research (EDR). 2017. New York State offshore wind mater plan visibility threshold study. December 2017. Prepared for New York State Energy Research and Development Authority. Syracuse (NY): Landscape Architecture, Engineering & Environmental Services, D.P.C.
- Environmental Design & Research (EDR). 2021. Technical report: visual impact assessment of the Sunrise Wind Farm, revision 1, updated October 2021. Prepared for Sunrise Wind LLC. Syracuse (NY): Landscape Architecture, Engineering & Environmental Services, D.P.C.
- Environmental Design & Research (EDR). 2022. Response to BOEM request for information, dated February 2, 2022.
- Landscape Institute and Institute of Environmental Management and Assessment. 2016. Guidelines for landscape and visual impact assessment (3rd Edition). England and Wales: Landscape Institute.
- Merrill J. 2010. Fog and icing occurrence and air quality factors for the Rhode Island ocean special area management plan. 2010.

- National Park Foundation. 2022. Fire Island National Seashore. Washington (DC): National Park Foundation. [accessed 2022 Mar 08]. <https://www.nationalparks.org/connect/explore-parks/fire-island-national-seashore>.
- National Oceanic and Atmospheric Administration National Data Buoy Center (NOAA NDBC). 2020. Station 44017 – climatic summary plots for air temperature. [accessed 2022 Jun 09]. https://www.ndbc.noaa.gov/view_climplot.php?station=44017&meas=at.
- Rhode Island Coastal Resources Management Council (RI CRMC). 2010. Rhode Island ocean special area management plan. [updated October 19, 2010; accessed 2022 Mar 08]. http://www.crmc.ri.gov/samp_ocean.html.
- South Fork Wind LLC (South Fork Wind). 2018. Construction and operations plan South Fork Wind Farm Project. Revision 3, updated May 2021. Submitted to Bureau of Ocean Energy Management. Dallas (TX): Jacobs Engineering Group Inc. [accessed 2022 May 27]. <https://www.boem.gov/renewable-energy/state-activities/south-fork>.
- Suffolk County. 2016. Land use map for Brookhaven, Suffolk County, New York. [accessed 2022 Mar 08]. https://www.suffolkcountyny.gov/portals/0/formsdocs/planning/Cartography/tbr_11x17_07cd22.pdf.
- Suffolk County. 2020. GIS maps: land use 2016 polygon. [updated 2020 Dec 08; accessed 2022 Mar 08]. <https://opendata.suffolkcountyny.gov/datasets/SuffolkGIS::landuse-2016-polygon/about>.
- Suffolk County Parks. 2018. Smith Point County Park. [updated 2021; accessed 2022 Mar 08]. <https://www.suffolkcountyny.gov/Departments/Parks/Our-Parks/Smith-Point-County-Park>.
- Sullivan RG, Kirchler LB, Cothren J, Winters SL. 2013. Offshore wind turbine visibility and visual impact threshold distances. *Environ Pract.* 15(1):33–49.
- Sunrise Wind. 2021. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. October 2021. 998 p.
- Sunrise Wind. 2022. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. August 2022. 997 p.
- Town of Brookhaven, New York (Brookhaven). 2022. History. Brookhaven (NY): Town of Brookhaven, New York; [accessed 2022 Mar 08]. <https://www.brookhavenny.gov/524/History>.