

Sunrise Wind - Appendix K: References Cited

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K.1. Executive Summary and Chapter 1

- 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. 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/renewable-energy-program/State-Activities/MA/Revised-MA-EA-2014.pdf>.
- 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. 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/renewable-energy-program/State-Activities/NY/NY-Public-EA-June-2016.pdf>.
- Bureau of Ocean Energy Management (BOEM). 2018. Draft guidance regarding the use of a project design envelope in a construction and operations plan. 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/renewable-energy-program/Draft-Design-Envelope-Guidance.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. 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>.
- Council on Environmental Quality (CEQ). 2020. Update to the Regulations Implementing the Procedural Provisions of the National Environmental Policy Act. [accessed 2023 Dec 4]. <https://www.federalregister.gov/d/2020-15179>.
- Minerals Management Service (MMS). 2009. Renewable energy and alternate uses of existing facilities on the Outer Continental Shelf. 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 LLC (Sunrise Wind). 2023. Construction and operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 p.

K.2. Chapter 2

- American Society of Civil Engineers (ASCE). 2014. Flood resistant design and construction (24-14). [accessed 2022 July 10]. <https://sp360.asce.org/PersonifyEbusiness/Merchandise/Product-Details/productId/233129242>.
- Bureau of Ocean Energy Management (BOEM). 2018. Draft guidance regarding the use of a project design envelope in a construction and operations plan. 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/renewable-energy-program/Draft-Design-Envelope-Guidance.pdf>.
- Bureau of Ocean Energy Management (BOEM). 2022. Process for identifying alternatives for environmental reviews of offshore wind construction and operations plans pursuant to the National Environmental Policy Act (NEPA). [accessed 2023 Jul 07]. <https://www.boem.gov/sites/default/files/documents/renewable-energy/BOEM%20COP%20EIS%20Alternatives-2022-06-22.pdf>.
- Environmental Management and Construction Plan 1 and 2 (EM&CP). 2023. Application of Sunrise Wind LLC for a certificate of environmental compatibility and public need in the Town of Brookhaven in Suffolk County. New York State Department of Public Service. [accessed 2022 July 10]. <https://documents.dps.ny.gov/public/MatterManagement/CaseMaster.aspx?Mattercaseno=20-T-0617>.
- National Renewable Energy Laboratory (NREL). 2023. Review of Glauconite Soils Issues for Sunrise Wind. Preliminary Technical Memo. August 10, 2023.
- Ordtek. 2022. Munitions and explosives of concern and unexploded ordinance with risk assessment and risk mitigation strategy - confidential. Appendix G2 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.
- Ørsted Offshore North America. 2023a. Sunrise Wind cable burial feasibility assessment - confidential. Appendix G4 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. June 2023.
- Ørsted Offshore North America. 2023b. Feasibility study for wind turbine generator monopile foundations - confidential. Appendix G3 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. June 2023.
- Sunrise Wind LLC (Sunrise Wind). 2020. Emergency response plan/oil spill response plan - confidential. Appendix E1 in Construction and Operations Plan Sunrise Wind Farm. December 2020.
- Sunrise Wind LLC (Sunrise Wind). 2022. Safety management system - confidential. Appendix E2 in Construction and Operations Plan Sunrise Wind Farm. August 2022.

Sunrise Wind LLC (Sunrise Wind). 2023. Construction and operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 p.

United States Geological Survey (USGS). 2022. Geographic names information system: Digital Gazetteer. Reston, VA. U.S. Geological Survey, National Mapping Division. [accessed 2022 Oct 10]. <https://www.usgs.gov/tools/geographic-names-information-system-gnis>.

K.3. Chapter 3

K.3.1. Section 3.1 – Impact Producing Factors

Bureau of Ocean Energy Management (BOEM). 2017. Evaluating benefits of offshore wind energy projects in NEPA. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. Report No. OCS Study BOEM 2017-048.

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. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. Report No. OCS Study BOEM 2019-036.

K.3.2. Section 3.4 – Air Quality

AKRF, Inc. (AKRF). 2021. Air quality emissions calculations and methodology. Appendix K in Construction and operations plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. June 2021.

AKRF, Inc. (AKRF). 2023a. OCS air permit application. Submitted to EPA Region 1 by Sunrise Wind LLC. February 2023.

AKRF, Inc. (AKRF). 2023b. Sunrise Wind class 1 air quality and visibility impact analysis report. Submitted to EPA Region 1 by Sunrise Wind LLC. February 2023.

Barthelmie RJ, Pryor SC. 2021. Climate change mitigation potential of wind energy. *Climate* 9(9):136.

Chang R, Do B, Billings R. 2017. Technical documentation for the offshore wind energy facilities emission estimating tool. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. Report No. OCS Study BOEM 2017-079.

Commonwealth of Massachusetts. 2022a. 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. 2022b. Designations and attainment. [accessed 2022 Feb 14]. <https://www.mass.gov/service-details/designations-attainment>.

Commonwealth of Massachusetts. 2023. Appendix C: Massachusetts annual greenhouse gas emissions inventory: 1990-2020, with partial 2021 & 2022 data. [accessed 2023 May 12]. <https://www.mass.gov/lists/massdep-emissions-inventories#2>.

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). 2023. 1990-2021 Connecticut greenhouse gas emissions inventory. [accessed 2023 May 12]. https://portal.ct.gov/-/media/DEEP/climatechange/1990-2021-GHG-Inventory/DEEP_GHG_Report_90-21_Final.pdf.

- Council on Environmental Quality (CEQ). 2023. National Environmental Policy Act guidance on consideration of greenhouse gas emissions and climate change. [accessed 2023 Apr 12]. <https://www.federalregister.gov/d/2023-00158>.
- Interagency Working Group on Social Cost of Greenhouse Gases (IWG). 2021. Technical support document: social cost of carbon, methane, and nitrous oxide – interim estimates under executive order 13990. [accessed 2023 May 11]. https://www.whitehouse.gov/wp-content/uploads/2021/02/TechnicalSupportDocument_SocialCostofCarbonMethaneNitrousOxide.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). 2022. Greenhouse gas inventory. [accessed 2023 May 12]. <https://mde.maryland.gov/programs/air/ClimateChange/Pages/GreenhouseGasInventory.aspx>.
- 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. [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). 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 Jersey Department of Environmental Protection (NJ DEP). 2022c. New Jersey greenhouse gas inventory 2022 mid-cycle update report. [accessed 2023 May 12]. https://www.nj.gov/wp-content/uploads/ghg/2022-ghg-inventory-mcu_final.pdf
- 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. [accessed 2022 Feb 14]. https://www.dec.ny.gov/docs/administration_pdf/ghgsumrpt21.pdf.
- New York State Department of Environmental Conservation (NYSDEC). 2022. Establishing a value of carbon guidelines for use by state agencies. [accessed 2022 Feb 14] https://www.dec.ny.gov/docs/administration_pdf/vocguid22.pdf.
- Rhode Island Department of Environmental Management (RI DEM). 2022. 2019 Rhode Island greenhouse gas emissions inventory. [accessed 2022 Feb 14] <http://www.dem.ri.gov/environmental-protection-bureau/air-resources/greenhouse-gas-emissions-inventory>.

- Sunrise Wind LLC (Sunrise Wind). 2023. Construction and operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 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/>.
- United States Environmental Protection Agency (USEPA). 2023a. National ambient air quality standards for criteria pollutants. [accessed 2023 Jul 05]. <https://www.epa.gov/criteria-air-pollutants/naaqs-table>.
- United States Environmental Protection Agency (USEPA). 2023b. 2020 National emissions inventory (NEI) data. Washington DC. [accessed 2023 May 12]. <https://www.epa.gov/air-emissions-inventories/2020-nei-supporting-data-and-summaries>.
- United States Environmental Protection Agency (USEPA). 2023c. General conformity de minimus tables. [accessed 2023 Sep 11]. <https://www.epa.gov/general-conformity/de-minimis-tables>.
- United States Environmental Protection Agency (USEPA). 2023d. Greenhouse gas equivalencies calculator. [accessed 2023 May 09]. <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>.
- United States Forest Service, National Park Service, United States Fish and Wildlife Service (USFS, NPS, USFWS). 2010. Federal land managers' air quality related values work group (FLAG): phase I report—revised (2010). Natural Resource Report NPS/NRPC/NRR—2010/232. National Park Service, Denver, Colorado.
- Virginia Department of Environmental Quality (VDEQ). 2021. Greenhouse gases. [accessed 2022 Feb 14]. <https://www.deq.virginia.gov/air/greenhouse-gases>.

K.3.3. Section 3.5 – 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. NOAA Technical Memorandum NOS NCCOS 109, EPA 600/R-09/159. Silver Spring (MD).
- Bejarano 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.
- 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. Sterling, Virginia: 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.
- 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.
- 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. Final Report to the U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. BOEM 2016-050. 131 p.
- Christiansen N, Daewel U, Schrum C. 2022. Tidal mitigation of offshore wind wake effects in coastal seas. *Front. Mar. Sci.* 9:1006647.
- 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 2020. 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.
- Daewel U, Akhtar N, Christiansen N, Schrum C. 2022. Offshore wind farms are projected to impact primary production and bottom water deoxygenation in the North Sea. *Communications Earth & Environment* 3(292).
- Federal Maritime and Hydrographic Agency, Helmholtz-Zentrum Hereon (BSH and Hereon). 2022. Chemical emissions from offshore wind farms. Summary of the project OffCEM. [accessed 2023 May 25]. <https://tethys.pnnl.gov/author/federal-maritime-hydrographic-agency>.
- 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.
- 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): U.S. Department of the Interior, Bureau of Ocean Energy Management. 232 p. Report No. OCS Study BOEM 2021-049.
- 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.
- Lentz SJ. 2017 Seasonal warming of the middle Atlantic bight cold pool. *Journal of Geophysical Research: Oceans* 122: 941–954. 10.1002/2016JC012201.

- 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 Mar 03]. <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). <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>.
- Schultze LKP, Merckelbach LM, Horstmann J, Raasch S, Carpenter JR. 2020. Increased mixing and turbulence in the wake of offshore windfarm foundations. *Journal of Geophysical Research: Oceans* 125: e2019JC015858. 10.1029/2019J.
- Stantec Consulting Services Inc (Stantec). 2022. Offshore ecological assessment and field survey report confidential. Appendix L in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.
- Suffolk County Department of Health Services (SCDHS). 2020. Suffolk County sub-watersheds wastewater plan. 842 p. [accessed 2022 Feb 18]. <https://suffolkcountyny.gov/Portals/0/forms/docs/planning/CEQ/2020/SWP%20FINAL%20July%202020.pdf>.
- Sunrise Wind LLC (Sunrise Wind). 2023. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 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. United States Environmental Protection Agency national pollutant discharge elimination system (NPDES) permit application. Sunrise Wind offshore converter station. Submitted to USEPA in 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 Environmental Protection Agency (USEPA). 2023. Draft NPDES Permit No. MA0004940. Sunrise Wind Project. BOEM Renewable Lease Area OCS-A0487. May 18, 2023.
- United States Geological Survey (USGS). 2023. USGS 01305000 Carmans River at Yaphank, NY. Department of the Interior United States Geological Survey. [accessed 2023 May 24]. <https://waterdata.usgs.gov/usa/nwis/uv?01305000>.
- Van Berkel J, Burchard H, Christensen A, Mortensen LO, Petersen OS, Thomsen F. 2020. The effects of offshore wind farms on hydrodynamics and implications for fishes. *Oceanography* 33(4): 108-117.
- Woods Hole Group. 2022. Hydrodynamic and sediment transport modeling Sunrise Wind Farm Project. 173 p. Prepared for Sunrise Wind LLC. Revision 2. August 2022.

K.3.4. Section 3.6 – 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). 2021. 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). 2022. Ocean Wind Offshore Wind Farm biological assessment for the United States Fish and Wildlife Service. Submitted to the United States Fish and Wildlife Service by U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 186 p.
- 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. <https://media.defense.gov/2020/May/13/2002299466/-1/-1/1/00A-AFFTEIS-FEIS-ABSTRACT.PDF>.
- Dominion. 2022. Dominion Energy CVOW pilot project: avian and bat protection progress report RAPR condition 4.3.3.1 (March 29, 2022). 8 p. [accessed 2022 Jun 09]. <https://energy.virginia.gov/offshore-wind/documents/July%20Presentations/Dominion%20CVOW%20update.pdf>.
- 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.
- ESS Group Inc. 2014. Cape Wind avian & bat pre-construction monitoring report: 2013-2014. Prepared for Cape Wind Associates. 57 p. [accessed 2022 Jun 09]. <https://www.boem.gov/renewable-energy/studies/cape-wind>.
- Griffin DR. 1940. Migrations of New England bats. Bulletin of the Museum of Comparative Zoology. 96:217-246.
- 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.
- Jackson N, Schwager K. 2012. Identification of bat species in Suffolk County. Upton, New York: Office of Science, Science Undergraduate Laboratory Internship (SULI) and Brookhaven National Laboratory. 16 p. [accessed 2022 Jun 09]. <https://www.bnl.gov/esd/wildlife/files/research/pdf/2012jacksonpaper.pdf>.
- 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]. <https://www.nps.gov/fiis/learn/nature/threatened-and-endangered-species.htm>.
- New York Department of Environmental Conservation (NYSDEC). 2017. Species status assessment for tricolored bat. New York State Department of Environmental Conservation. 18 p. [accessed 2022 Jun 09]. <https://www.dec.ny.gov/animals/7494.html>.
- New York State Energy Research and Development Authority (NYSERDA). 2017. New York State offshore wind master plan: birds and bats study. Albany (NY): Prepared for NYSERDA by Ecology and Environment Engineering, P.C. 142 p. Report No.: NYSERDA 17-25d.
- 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. <https://www.osti.gov/servlets/purl/1238337>.
- Peurach SC. 2003. High-altitude collision between an airplane and a hoary bat, *Lasiurus cinereus*. *Bat Research News* 44(1):2-3.
- Poissant JA. 2009. Roosting and social ecology of the tricolored bat, *Perimyotis subflavus*, in Nova Scotia [Master's degree]. [Halifax, Nova Scotia]: Saint Mary's University. [accessed 2022 Jun 09]. https://library2.smu.ca/bitstream/handle/01/25150/poissant_joseph_a_masters_2009.PDF?sequence=2.
- Roemer C, Disca T, Coulon A, Bas Y. 2017. Bat flight height monitored from wind masts predicts mortality risk at wind farms. *Biological Conservation* 215:116-122. 10.1016/j.biocon.2017.09.002.
- Schaub A, Ostwald J, Siemers BM. 2008. Foraging bats avoid noise. *Journal of Experimental Biology* 211(19):3174-3180.
- 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.
- 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 Consulting Services Inc. (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. <https://www.osti.gov/servlets/purl/1238337>.
- Stantec Consulting Services Inc. (Stantec). 2018a. Avian and bat risk assessment for the construction and operations plan for South Fork Wind Farm. Prepared for Deepwater Wind South Fork, LLC by Stantec Consulting Services Inc., Topsham, ME.
- Stantec Consulting Services Inc. (Stantec). 2018b. Avian and bat risk assessment: South Fork Wind Farm and South Fork Export Cable. Prepared for Deepwater Wind South Fork, LLC by Stantec Consulting Services Inc., Topsham, ME.

- Stantec Consulting Services Inc. (Stantec). 2018c. Vessel-based acoustic bat monitoring: South Fork Wind Farm and South Fork Export Cable. Prepared for Deepwater Wind Block Island, LLC, Providence, RI by Stantec Consulting Services Inc., Topsham, ME.
- Stantec Consulting Services Inc. (Stantec). 2022. Avian and bat risk assessment. Appendix P1 in Construction and operations plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC and Stantec Consulting Services Inc. August 2022.
- Stegemann E, Hicks A. n.d. Bats of New York. New York State Department of Environmental Conservation. 4 p. [accessed 2022 Feb 16]. https://www.dec.ny.gov/docs/administration_pdf/batsofny.pdf.
- Sunrise Wind LLC (Sunrise Wind). 2023. Construction and operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 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):3146.
- United States Fish and Wildlife Service (USFWS). 2021. ECOS: Indiana bat (*Myotis sodalis*). [accessed 2022 Feb 16]. <https://ecos.fws.gov/ecp/species/5949>.

K.3.5. Section 3.7 – Benthic Resources

- AKRF Inc., 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.
- Albert L, Maire O, Olivier F, Lambert C, Romero-Ramirez A, Jolivet A, Chauvaud L, Chauvaud S. 2022. Can artificial magnetic fields alter the functional role of the blue mussel, *Mytilus edulis*? *Marine Biology* 169:75 (2022).
- 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 (2018):380–391.
- Bethoney N, Stokesbury K. 2019. Implications of extremely high recruitment: crowding and reduced growth within spatial closures. *Marine Ecology Progress Series* 611:157–165.
- Betke K, Glahn MS, Matuschek R. 2004. Underwater noise emissions from offshore wind turbines. Joint Congress CFA/DAGA; March 22-25; Strasbourg, France.

- Bokuniewicz HJ, Tanski JJ, Bocamazo L. 2011. Sand resources offshore of Long Island (NY). Coastal Sediments; May 2-6; Miami, Florida. 1021-1033 p.
- 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.
- 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.
- 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. Sterling, Virginia: 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: U.S. Department of the Interior, Bureau of Ocean Energy Management. 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. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management. 9 p.
- Bureau of Ocean Energy Management (BOEM). 2023. Essential fish habitat assessment for Sunrise Wind Offshore Wind Project. May 2023. Submitted to National Marine Fisheries Service by U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Program.
- 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.
- 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.
- 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: U.S. Department of the Interior, Bureau of Ocean Energy Management. 131 p. Report No.: BOEM 2016-050.
- Chen L, Coolen JWP, Scherer L, Mogollón JM, Braeckman U, Vanaverbeke J, Tukker A, Steubing B. 2023. Offshore wind energy and marine biodiversity in the North Sea: life cycle impact assessment for benthic communities. *Environmental Science & Technology* 57 (16): 6455-6464.
- 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.

- Dalyander PS, Butman B, Sherwood CR, Signell RP, Wilkin JL. 2013. Characterizing wave- and current-induced bottom shear stress: U.S. middle Atlantic continental shelf. *Continental Shelf Research* 52: 73-85.
- Dean M, DeCelles G, Zemeckis D, Ames T. 2022. Early life history: spawning to settlement. Chapter 2 in R.S. McBride and R.K. Smedbol (eds). *An interdisciplinary review of Atlantic cod (*Gadus morhua*) stock structure in the western north Atlantic Ocean*. U.S. Department of Commerce, NOAA Technical Memorandum NMFS-NE-XXX (in press). 251 p.
- 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.
- Degraer S, Brabant R, Rumes B, Vigin L. 2019. 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. 104 p.
- Degraer S, Carey DA, Coolen JP, Hutchison ZL, Kerckhof F, Rumes B, and Vanaverbeke J. 2020. Offshore wind farm artificial reefs affect ecosystem structure and functioning: A synthesis. *Oceanography* 33(4):48–57.
- 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): 37-50.
- Dernie KM, Kaiser MJ, Warwick RM. 2003. Recovery rates of benthic communities following physical disturbance. *Journal of Annual Ecology* 72(6):1043-1056.
- DNV GL. 2021. Certified Verification Agent Confidential. Appendix D in Construction and operations plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. Medford, Massachusetts: DNV-GL.
- 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.
- Elliott 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: U.S. 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: U.S. Department of the Interior, Bureau of Ocean Energy Management. 226 pp. Report No. BOEM 2017-027.
- Exponent Engineering P.C. (Exponent Engineering). 2022. Offshore DC and AC electric-and magnetic field assessment. Appendix J1 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.

- Federal Geographic Data Committee (FGDC). 2012. Coastal and marine ecological classification standard. Reston, Virginia. [accessed 2022 Jan 09]. <https://www.ncei.noaa.gov/products/coastal-marine-ecological-classification-standard>.
- Fortune IS, Paterson DM. 2020. Ecological best practice in decommissioning: a review of scientific research. *ICES Journal of Marine Science* 77(3):1079-1091.
- Fugro. 2021. 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: Sheilds M, Payne A (eds). *Marine renewable energy technology and environmental interactions. Humanity and the Sea*. Cham, Switzerland: Springer, Dordrecht.
- Gill A, Gloyne-Philips I, Neal K, Kimber J. 2005. 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. Report No. COWRIE-EM FIELD 2-06-2004. Final report. Prepared for Collaborative Offshore Wind Research into the Environment. Cranfield University and the Centre for Marine and Coastal Studies Ltd. 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.
- 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: U.S. Department of the Interior, Bureau of Ocean Energy Management. Report No. BOEM 2017-088.
- Harsanyi P, Scott K, Easton BA, de la Cruz Ortiz G, Chapman EN, Piper AR, Rochas CV, Lyndon AR. 2022. The effects of anthropogenic electromagnetic fields (EMF) on the early development of two commercially important crustaceans, European lobster, *Homarus gammarus* (L.) and edible crab, *Cancer pagurus* (L.). *J. Mar. Sci. Eng.* 10(5):564-581.
- Hawkins AD, Popper AN. 2014. Assessing the impact of underwater sounds on fishes and other forms of marine life. *Acoustics Today* 10(2):30-41.
- Hawkins AD, Hazelwood RA, Popper AN, Macey PC. 2021. Substrate vibrations and their potential effects upon fishes and invertebrates. *The Journal of the Acoustical Society of America* 149(4): 2782-2790.

- Hirsch ND, DiSalvo LH, Peddicord R. 1978. Effects of dredging and disposal on aquatic organisms. Vicksburg, Mississippi: U.S. 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.
- 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.
- 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: U.S. Department of the Interior, Bureau of Ocean Energy Management. 254 p. Report No. BOEM 2018-003.
- Inspire Environmental (Inspire). 2019. Ichthyoplankton and zooplankton assessment: jet plow entrainment report. South Fork Wind Farm. Prepared for Jacobs Engineering Group and South Fork Wind Farm.
- Inspire Environmental (Inspire). 2022a. Benthic resources characterization report – federal waters Appendix M1 in Construction and operations plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC and Stantec Consulting Services Inc. July 2022.
- Inspire Environmental (Inspire). 2022b. Benthic resources characterization report – New York State waters. Appendix M2 in Construction and operations plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC and Stantec Consulting Services Inc. July 2022.
- Inspire Environmental (Inspire). 2022c. Benthic habitat mapping to support essential fish habitat consultation. Appendix M3 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.
- Jakubowska-Lehrmann M, Białowas M, Otremba Z, Hallmann A, Śliwińska-Wilczewska S, Urban-Malinga B. 2022. Do magnetic fields related to submarine power cables affect the functioning of a common bivalve? *Marine Environmental Research* 179. 105700, ISSN 0141-1136,10.1016/j.marenvres.2022.105700.
- Jézéquel Y, Cones S, Jensen FH, Brewer H, Collins J, Mooney TA. (2022). Pile driving repeatedly impacts the giant scallop (*Placopecten magellanicus*). *Scientific Reports* 12(1): 15380–15380.
- 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.
- Johnson TL, van Berkel JJ, Mortensen LO, Bell MA, Tiong I, Hernandez B, Snyder DB, Thomsen F, Svenstrup Petersen O (DHI Water & Environment, Inc., Lakewood, CO). 2021. Hydrodynamic modeling, particle tracking and agent-based modeling of larvae in the U.S. mid-Atlantic Bight. Sterling (VA): U.S. Department of the Interior, Bureau of Ocean Energy Management. 232 p. Report No.: OCS Study BOEM 2021-049.

- 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.
- Jones IT, Stanley JA, Mooney TA. 2020. Impulsive pile driving noise elicits alarm responses in squid (*Doryteuthis pealeii*). *Marine Pollution Bulletin* 150:110792.
- 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.
- 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.
- 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.
- Lentz SJ. 2017. Seasonal warming of the middle Atlantic bight cold pool. *Journal of Geophysical Research Oceans* 122(2):941-954.
- 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, U.S.A. *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.
- 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.
- Methratta ET, Dardick WR. 2019. Meta-analysis of finfish abundance at offshore wind farms. *Reviews in Fisheries Science and Aquaculture* 27(2):242-260.
- 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. 1,780 p. OCS Publication No. 2007-046.
- Minerals Management Service (MMS). 2009. Cape Wind energy project final environmental impact statement (FEIS). 800 p. OCS Publication No. 2008-040.

- 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.
- 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://repository.library.noaa.gov/view/noaa/29525>.
- 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: U.S. Department of the Interior, Bureau of Ocean Energy Management. 116 p.
- Ørsted Offshore North America. 2023. Feasibility study for wind turbine generator monopile foundations confidential. Appendix G3 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. June 2023.
- 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.
- Pinsky ML, Selden RL, Kitchel ZJ. 2020. Climate-driven shifts in marine species ranges: scaling from organisms to communities. Annual Review of Marine Science 12: 153-179.
- Popper AN, Hawkins AD, Fay RR, Mann DA, Bartol SM, Carlson T, Coombs S, Ellison WT, Gentry RL, Halvorsen M, Lokkeborg S, Rogers PH, Southall B, Zeddies DG, Tavolga WN. 2014. Sound exposure guidelines. ASA S3/SC1.4 TR-2014 sound exposure guidelines for fishes and sea turtles: a technical report prepared by ANSI-Accredited Standards Committee S3/SC1 and registered with ANSI. Springer Briefs in Oceanography. Springer, Cham.
- 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.

- 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.
- 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.
- Schultze LP, Merckelbach LM, Horstmann J, Raasch S, Carpenter JR. 2020. Increased mixing and turbulence in the wake of offshore windfarm foundations. *Journal of Geophysical Research: Oceans* 125(8): 1-15.
- Schwab WC, Thielier ER, Denny JF, Danforth WW. 2000. Sea-floor sediment distribution off southern Long Island, New York. Report No.: 2000-243.
- Scott K, Piper AR, Chapman EN, Rochas CV. 2020. Review of the effects of underwater sound, vibration and electromagnetic fields on crustaceans. Seafish report. https://www.researchgate.net/profile/Kevin_Scott23/publication/349173743_Review_of_the_effects_of_underwater_sound_vibration_and_electromagnetic_fields_on_crustaceans/links/6023cccd458515893995a1a3/Review-of-the-effects-of-underwater-sound-vibration-and-electromagnetic-fields-on-crustaceans.pdf.
- 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: U.S. 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.
- Sunrise Wind LLC (Sunrise Wind). 2023a. Construction and operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 p.
- Sunrise Wind LLC (Sunrise Wind). 2023b. Boulder relocation plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted in response to RFI received on January 11, 2023. February 2023.
- 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.
- 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.
- TRC Companies, Inc. (TRC). 2021. United States Environmental Protection Agency national pollutant discharge elimination system (NPDES) permit application. Sunrise Wind offshore converter station. Submitted to U.S. Environmental Protection Agency in December 2021.

- TRC. 2023. Ichthyoplankton entrainment assessment. Appendix N2 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. February 2023.
- 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. <https://tethys.pnnl.gov/publications/review-cabling-techniques-environmental-effects-applicable-offshore-wind-farm-industry>.
- 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/>.
- van Berkel J, Burchard H, Christensen A, Mortensen LO, Petersen OS, Thomsen F. 2020. The effects of offshore wind farms on hydrodynamics and implications for fishes. *Oceanography* 33(4): 108–117.
- 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. <https://www.biodiversitylibrary.org/item/101891#page/3/mode/1up>.
- 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.
- Woods Hole Group. 2022. Sediment transport modeling report. Appendix H in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.
- K.3.6. Section 3.8 – Birds**
- Baker A, Gonzalez P, Morrison RIG, Harrington BA. 2013. Red knot (*Calidris canutus*), version 2.0. Poole. The birds of North America. Ithaca (NY): Cornell Lab of Ornithology.
- Band W. 2012. Using a collision risk model to assess bird collision risks for offshore windfarms. The Crown Estate Strategic Ornithological Support Services. Report No. SOSS-02.
- Bay State Wind. 2019. Construction and operations plan, Volume II: Site characterization and assessment of impact-producing factors and list of references. Submitted to BOEM March 15, 2019, Revised June 28, 2019. <https://www.boem.gov/renewable-energy/state-activities/us-wind-construction-and-operations-plan>.
- 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. Sterling, Virginia: 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. Sterling, Virginia: U.S. 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. Sterling, Virginia: U.S. 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. Sterling, Virginia: 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. Sterling, Virginia: 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. Sterling, Virginia: U.S. 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). 2022a. Draft environmental assessment commercial wind lease and grant issuance and site assessment activities on the Pacific outer continental shelf, Humboldt Wind Energy Area, California. Camarillo, CA: U.S. Department of the Interior, Bureau of Ocean Energy Management. 92 p. Report No. BOEM 2021-87.
- Bureau of Ocean Energy Management (BOEM). 2022b. Ocean Wind Offshore Wind Farm biological assessment for the United States Fish and Wildlife Service. Submitted to the United States Fish and Wildlife Service by U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 186 p.
- 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. 225 p. OCS Study 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. Sterling, Virginia: U.S. 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.
- Gilbert AT, Adams EM, Loring P, Williams KA. 2022. User documentation for the stochastic collision risk assessment for movement (SCRAM). Developed by Biodiversity Research Institute, University of Rhode Island, and U.S. Fish and Wildlife Service with funding from the Bureau of Ocean Energy Management. [accessed 2022 Feb 12]. <https://briwildlife.org/scram/>.
- 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, Montevicchi WA, Evers DC. 2017. Challenges to oil spill assessment for seabirds in the deep ocean. *Archives of Environmental Contamination and Toxicology* 73:33-39.
- 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.
- 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.

- International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA). 2013. IALA recommendation O-139 – the marking of man-made offshore structures. Edition 2, December 2013. [accessed 2020 Jul]. <https://www.iala-aism.org/product/markings-of-man-made-offshore-structures-o-139/>.
- 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. [accessed 2022 Feb 12]. https://www.hudsonriver.org/wp-content/uploads/2017/11/Jennings_NYSDEC-Region1_LI-Update_2018.pdf.
- 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.
- 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, Bravo-Rebolledo EL, van Franeker JA. 2015. Deleterious effects of litter on marine life. In: Bergmann M, Gutow L, Klages M (eds). *Marine anthropogenic litter*. Cham, Switzerland: Springer International Publishing. p. 75-116.
- Loring PH, McLaren JD, Smith PA, Niles LJ, Koch SL, Goyert HF, Bai H. 2018. Tracking movements of threatened migratory rufa red knots in U.S. Atlantic Outer Continental Shelf waters. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 147 p. Report No.: BOEM 2018-046.
- 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. Sterling, Virginia: U.S. 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.
- Madsen EA, Reeve R, Desholm M, Fox AD, Furness RD, Haydon TD. 2012. Assessing the impact of marine wind farms on birds through movement modelling. *Journal of the Royal Society Interface* 9:2120–2130.

- McGrew KA, Crowell SE, Fiely JL, Berlin AM, Olsen GH, James J, Hopkins H, Williams CK. 2022. Underwater hearing in sea ducks with applications for reducing gillnet bycatch through acoustic deterrence. *Journal of Experimental Biology* 225(20). 10.1242/jeb.243953.
- 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 Department of Environmental Conservation (NYSDEC). 2007. New York State breeding bird atlas. 2000–2005. Albany, NY: [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.
- New York State Department of Environmental Conservation (NYSDEC). 2022. Habitats of New York State, ecoregions of New York. New York State Department of Environmental Conservation. [accessed 2022 Feb 12]. <https://www.dec.ny.gov/animals/9402.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 NYSERDA by Ecology and Environment Engineering, P.C. 142 p. Report No.: NYSERDA 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 NYSERDA by Ecology and Environment Engineering, PC. 248 p. Report No.: NYSERDA 17-25e.
- Niles LJ, Bart J, Sitters HP, Dey AD, Clark KE, Atkinson PW, Baker AJ, Bennett KA, Kalasz KS, Clark NA. 2009. Effects of horseshoe crab harvest in Delaware Bay on red knots: are harvest restrictions working? *BioScience* 59(2):153–164.
- 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. [accessed 2022 Feb 20]. <https://www.biodiversitylibrary.org/bibliography/192850>.

- Normandeau Associates, Inc. (Normandeau) and APEM, Inc. (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. [accessed 2022 Feb 20]. <https://remote.normandeau.com/norm-apem.php>.
- 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. <https://pubs.aip.org/asa/poma/article/27/1/040012/836909/Underwater-sound-measurement-data-during-diamond>.
- 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. Prepared for National Park Service. Kingston, Rhode Island. 90 p.
- 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 Consulting Services Inc. (Stantec). 2018a. Avian and bat risk assessment for the construction and operations plan for South Fork Wind Farm. Topsham, Maine. <https://southforkwind.com/>.
- Stantec Consulting Services Inc. (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. 224 p. <https://southforkwind.com/>
- Stantec Consulting Services Inc. (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 Providence, RI. <https://southforkwind.com/>.

- Stantec Consulting Services Inc. (Stantec). 2022a. Air traffic flow analysis/ADLA analysis. Appendix Y2 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.
- Stantec Consulting Services Inc. (Stantec). 2022b. Avian and bat risk assessment. Appendix P1 in Construction and operations plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC and Stantec Consulting Services Inc. August 2022.
- Sunrise Wind LLC (Sunrise Wind). 2022. Safety management system confidential. Appendix G1 in Construction and Operations Plan Sunrise Wind Farm. November 2022.
- Sunrise Wind LLC (Sunrise Wind). 2023. Construction and operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 p.
- 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. 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 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. <https://buzzardsbay.org/wp-content/uploads/2019/11/USFWS-2010-roseate-tern-5-year-plan.pdf>.
- 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). 2022a. Wertheim National Wildlife Refuge closes Little Neck Run for nesting bald eagles. [accessed 22 May 2023]. <https://www.fws.gov/story/2022-12/refuge-closes-little-neck-run-nesting-bald-eagles>.
- United States Fish and Wildlife Service (USFWS). 2022b. Threat to birds: collisions. [accessed 2022 July 18]. <https://www.fws.gov/library/collections/threats-birds-collisions>.

- Veit RR, Petersen WR. 1993. Birds of Massachusetts. Massachusetts Audubon Society. [accessed 2022 July 18]. <https://archive.org/details/birdsofmassachus0000veit>.
- 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.

K.3.7. Section 3.9 – 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.
- 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. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. Report No. OCS Study BOEM 2019-036.
- 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/>.
- Cook R, Brotherton D, Behler J. 2010. Inventory of amphibians and reptiles at the William Floyd estate, Fire Island National Seashore natural resource report NPS/NCBN/NRTR—2010/380j. 116 pages.

- Costello CT, Kenworthy WJ. 2011. Twelve-year mapping and change analysis of eelgrass (*Zostera marina*) areal abundance in Massachusetts (U.S.A.) identifies statewide declines. *Estuaries and Coasts* 34(2):232-242.
- 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.
- 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 p. [accessed 2022 Jun 09]. <https://cmerwebmap.cr.usgs.gov/catalog/item/545d07d5e4b0ba8303f726d9>.
- Klopfer 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. [accessed 2022 Jun 09]. <https://vtechworks.lib.vt.edu/handle/10919/89679>.
- 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. September 2017. 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 Jersey Department of Environmental Protection (NJ DEP). 2020. New Jersey scientific report on climate change. 205 pages. <https://dep.nj.gov/wp-content/uploads/climatechange/nj-scientific-report-2020.pdf>.
- New York Natural Heritage Program Significant Natural Communities. 2021. Natural Heritage community occurrences. NYS Department of Environmental Conservation. [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. [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. [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. [accessed 2022 Jun 09]. https://dos.ny.gov/system/files/documents/2020/03/carmans_river.pdf.
- New York State Department of Environmental Conservation (NYSDEC). 2020. Critical environmental areas in New York. [accessed 2022 Jun 09]. <https://www.dec.ny.gov/permits/6184.html>.
- New York State Department of State (NYSDOS). 2013. Significant coastal fish & wildlife habitat 2.0. metadata. Division of Coastal Resources. [accessed 2022 Jun 09]. <https://data.gis.ny.gov/datasets/NYSDOS::significant-coastal-fish-wildlife-habitats-ny/explore>.
- 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, U.S.A. *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 U.S. New Brunswick, NJ: Rutgers Climate Institute. Rutgers University. 48 p.
- Sohl TL. 2003. Atlantic coastal pine barrens. U.S. Geological Survey. Earth Resources Observation and Science Center Report 092-03.
- 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. [accessed 2022 Jun 09]. <https://dos.ny.gov/news/nys-department-state-releases-draft-2021-long-island-south-shore-estuary-reserve-comprehensive>.
- 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. https://dos.ny.gov/system/files/documents/2023/04/revised-nys-cmp-2023_0.pdf
- Stantec Consulting Services Inc. (Stantec). 2022a. Essential fish habitat. Appendix N1 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC and Stantec Consulting Services Inc. August 2022.
- Stantec Consulting Services Inc. (Stantec). 2022b. Offshore ecological assessment and field survey report - confidential. Appendix L in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.
- 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 LLC (Sunrise Wind). 2023. Construction and operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 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. 9-22 p. In: Schubel J, Bell T, Carter H (Eds). *The Great South Bay Stony Brook, NY: State University of NY Press. Schubel.*

K.3.8. Section 3.10 – 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, 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 (2020): 104958.

Almeda R, Hyatt C, Buskey E. 2014. Toxicity of dispersant Corexit 9500A and crude oil to marine microzooplankton. *Ecotoxicology and Environmental Safety* 106C: 76–85. 10.1016/j.ecoenv.2014.04.028.

Alexander MA, Shin S, Scott JD, Curchitser E, Stock C. 2020. The response of the northwest Atlantic Ocean to climate change. *Journal of Climate* 33(2):405–428.

Andersson MH, Andersson S, Ahlsén J, Andersson BL, Hammar J, Persson LKG, Pihl J, Sigray P, Wikström A. 2016. A framework for regulating underwater noise during pile driving. A technical Vindval report, ISBN 978-91-620-6775-5. Swedish Environmental Protection Agency, Stockholm, Sweden.

Atlantic Sturgeon Status Review Team (ASSRT). 2007. Status Review of Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus*). Report to National Marine Fisheries Service, Northeast Regional Office. February 23, 2007. 174 pp. Auld AH, Schubel JR. 1978. Effects of suspended sediment on fish eggs and larvae: a laboratory assessment. *Estuar. Coast. Mar. Sci.* 6:153–164.

Auster P. 1998. A conceptual model of the impacts of fishing gear on the integrity of fish habitats. *Conservation Biology* 12(6): 1198–1203.

Auster P. 2001. Defining thresholds for precautionary habitat management actions in a fisheries context. *North American Journal of Fisheries Management* 21:1-9.

- Auster P, Langton R. 1999. The effects of fishing on fish habitat. *American Fisheries Science Symposium* 22: 150-187.
- Auster P, Lindholm J. 2005. The ecology of fishes on deep boulder reefs in the western Gulf of Maine. Pages 89-107 in *Diving for Science. Proceedings of the American Academy of Underwater Sciences*. Connecticut Sea Grant, Groton.
- Bachman M, Couture J. 2022. Habitat committee report. Staff presentation to the New England Fishery Management Council. June 30, 2022. Portland, Maine.
- Bailey H, Brookes KL, Thompson PM. 2014. Assessing environmental impacts of offshore wind farms: lessons learned and recommendations for the future. *Aquatic Biosystems* 10:8.
- 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.
- Bergström L, Kautsky L, Malm T, Rosenberg R, Wahlberg M, Capetillo A, Wilhelmsson D. 2014. Effects of offshore wind farms on marine wildlife – a generalized impact assessment. *Environmental Research Letters* 9(3):1-12.
- 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. [accessed 20 August 2022]. <https://archive.epa.gov/epa/sites/production/files/2015-10/documents/sediment-appendix1.pdf>.
- Bethoney N, Stokesbury K. 2019. Implications of extremely high recruitment: crowding and reduced growth within spatial closures. *Marine Ecology Progress Series* 611:157–165.
- 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. Herndon, Virginia: United States Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs.
- 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. OCS EIS/EA BOEM 2014-603. 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 benthic habitat survey information for renewable energy development on the Atlantic outer continental shelf pursuant to 30 CFR part 585. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management. 9 p.
- Cadrin SX, Zemeckis D, Zemeckis R, Dean MJ, Cournane J. 2020. An interdisciplinary review of Atlantic cod (*Gadus morhua*) stock structure in the western north Atlantic Ocean. In: McBride RS, Smedbol RK (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.
- 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.
- 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.
- 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.
- Chen C, Zhao L, S. Gallager, R. Ji, P. He, C. Davis, R.C. Beardsley, D. Hart, W.C. Gentleman, L. Wang, S. Li, H. Lin, K. Stokesbury, and D. Bethoney. 2021. Impact of larval behaviors on dispersal and connectivity of sea scallop larvae over the northeast U.S. shelf. Progress in Oceanography 195:102604.
- Christiansen N, Daewel U, Schrum C. 2022. Tidal mitigation of offshore wind wake effects in coastal seas. Front. Mar. Sci. 9:1-15.
- Clucas G, Lou NR, Therkildsen NO, Kovach AI. 2019. Novel signals of adaptive genetic variation in northwestern Atlantic cod revealed by whole-genome sequencing. Evolutionary Applications 12:1971–1987.
- CoastalVision, 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 (Eds.). 2002. Bigelow and Schroeder's fishes of the Gulf of Maine. 3rd Edition. Washington, DC: Smithsonian Institution Press.
- Collie J, Hermsen J, Valentine P, and Almeida F. 2005. Effects of fishing on gravel habitats: assessment and recovery of megafauna on Georges Bank. Pp. 325-343 in P.W. Barnes and J.P. Thomas (eds.) Benthic habitats and the effects of fishing. American Fisheries Science Symposium 41, Bethesda, MD.

- Collins MR, Smith TIJ, Post WC, Pashuk O. 2000. Habitat utilization and biological characteristics of adult Atlantic sturgeon in two South Carolina rivers. *Transactions of the American Fisheries Society* 129:982–988.
- Collins MR, Smith TIJ. 1997. Distributions of shortnose and Atlantic sturgeons in South Carolina. *North American Journal of Fisheries Management* 17:995-1000.
- Confluence (Confluence Environmental Company). 2023. Revolution Wind Farm and Revolution Wind Export Cable – development and operation. Essential fish habitat assessment. Prepared for BOEM. Washington, D.C.
- Cresci A, Perrichon P, Durif CMF, Sørhus E, Johnsen E, Bjelland R, Larsen T, Skiftesvik AB, Browman HI. 2022. Magnetic fields generated by the DC cables of offshore wind farms have no effect on spatial distribution or swimming behavior of lesser sand eel larvae (*Ammodytes marinus*). *Marine Environmental Research* 176:105609.
- 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 Ørsted. July 2020. 89 p.
- 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. Sterling, VA: U.S. Dept. of the Interior, Bureau of Ocean Energy Management. Report No. BOEM-2019- 26 049.
- Dadswell MJ. 2006. A review of the status of Atlantic sturgeon in Canada, with comparisons to populations in the United States and Europe. *Fisheries* 31:218–229.
- Daewel U, Akhtar N, Christiansen N. 2022. Offshore wind farms are projected to impact primary production and bottom water deoxygenation in the North Sea. *Commun. Earth Environ.* 3:292. <https://doi.org/10.1038/s43247-022-00625-0>.
- Dean MJ, Hoffman WS, Zemeckis DR, and Armstrong MP. 2014. 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: 1474–1489.
- Dean M, DeCelles G, Zemeckis D, and Ames T. 2022. Early life history: spawning to settlement. Chapter 2 in: An interdisciplinary review of Atlantic cod (*Gadus morhua*) stock structure in the western North Atlantic Ocean. McBride RS, Smedbol RK (Eds). U.S. Department of Commerce, NOAA Technical Memorandum NMFS-NE-XXX (in press). 251 p.
- 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. McBride RS, Smedbol RK (Eds). NOAA Tech Memo NMFS-NE-XXX. June 2020.
- Dean MJ, Hoffman WS, Armstrong MP. 2012. Disruption of an Atlantic cod spawning aggregation resulting from the opening of a directed gill-net fishery. *North American Journal of Fisheries Management* 32: 124-134.

- 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.
- DeCelles GR, Martins D, Zemeckis DR, and Cadrin SX. 2017. Using fishermen's ecological knowledge to map Atlantic cod spawning ground on Georges Bank. *ICES Journal of Marine Science* 74: 1587–1601.
- 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. 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.
- De Jong K, Forland N, Amorim MCP, Rieucan G, Slabbekoorn H, Sivle LD. 2020. Predicting the effects of anthropogenic noise on fish reproduction. *Rev. Fish Biol. Fisheries* 30, 245–268.
<https://doi.org/10.1007/s11160-020-09598-9>.
- 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.
- Dorrell RM, Lloyd CJ, Lincoln BJ, Rippeth TP, Taylor JR, Caulfield CP, Sharples J, Pollon JA, Scannel BD, Greaves DM, Hall RA, Simpson JH. 2022. Anthropogenic mixing in seasonally stratified shelf seas by offshore wind farm infrastructure. *Front. Mar. Sci.* 9, 1–25.
- Dunton KJ, Jordaan A, McKown KA, Conover DO, Frisk MG. 2010. Abundance and distribution of Atlantic sturgeon (*Acipenser oxyrinchus*) within the northwest Atlantic Ocean, determined from five fishery-independent surveys. *Fisheries Bulletin* 108:450–465.
- DWW Rev I, LLC. 2020. Construction and operations plan, Revolution Wind Farm. Prepared by VHB, Providence, RI. Submitted to the Bureau of Ocean Energy Management, Sterling, VA. March 2020.
- 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.
- 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.
- Erickson DL, Kahnle A, Millard MJ, Mora EA, Bryja M, Higgs A, Mohler J, DuFour M, Kenney G, Sweka J, Pikitch EK. 2011. Use of pop-up satellite archival tags to identify oceanic-migratory patterns for

- adult Atlantic sturgeon, *Acipenser oxyrinchus* Mitchell, 1815. *Journal of Applied Ichthyology* 27:356–365.
- Espinel-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 P.C. 2022. Onshore DC and AC magnetic field assessment. Appendix J2 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.
- 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.
- Floeter J, Pohlmann T, Harmer A, Mollmann C. 2022. Chasing the offshore wind farm windwake-induced upwelling/downwelling dipole. *Frontiers in Marine Science* 9:884943.
- Gardline. 2021. Sunrise Wind Farm individual boulders within boulder fields (2019, 2020). Geophysical 1B Survey Interpretation Report, Sunrise Wind Farm Project.
- Gedamke J, Ferguson M, Harrison J, Hatch L, Henderson L, Porter MB, and Parijs SV. 2016. Predicting anthropogenic noise contributions to U.S. waters. In *The effects of noise on aquatic life II* (p. 341-347). Springer, New York, NY.
- 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.
- Gill AB. 2005. Offshore renewable energy: ecological implications of generating electricity in the coastal zone. *Journal of Applied Ecology* 42(4):605-615.
- Gill AB, Desender M. 2020. Risk to animals from electromagnetic fields emitted by electric cables and marine renewable energy devices. In *OES Environmental 2020 State of the Science Report: Environmental Effects of Marine Renewable Energy Development Around the World*. Copping AE, Hemery LG (Eds.), Report for Ocean Energy Systems (OES). (pp. 86–103). DOI:10.2172/1633088.

- Gill AB, Kimber J. 2005. The potential for cooperative management of elasmobranchs and offshore renewable energy development in UK waters. *Journal of the Marine Biological Association of the United Kingdom* 85(5):1075-1081.
- 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.
- 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. 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: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. Report No. OCS BOEM 2017-088.
- 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.
- Harsanyi P, Scott K, Easton BA, de la Cruz Ortiz G, Chapman EN, Piper AR, Rochas CV, Lyndon AR. 2022. The effects of anthropogenic electromagnetic fields (EMF) on the early development of two commercially important crustaceans, European lobster, *Homarus gammarus* (L.) and edible crab, *Cancer pagurus* (L.). *J. Mar. Sci. Eng.* 10(5):564-581.
- Hastings MC, Popper AN. 2005. Effects of sound on fish (Report No. 43A0139). Prepared for California Department of Transportation. 82 p.
- 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. 2014. Information gaps in understanding the effects of noise on fishes and invertebrates. *Reviews in Fish Biology and Fisheries* 25(1): 39-64.

- Hemery LG. 2020. 2020 State of the science report - chapter 6: changes in benthic and pelagic habitats caused by marine renewable energy devices. 10.2172/1633182.
- 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 Z, Sigray P, Haibo H, Gill AB, 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 (VA): U.S. Department of the Interior, Bureau of Ocean Energy Management. OCS Study BOEM 3 (2018).
- Hutchison ZM, Bartley S, Degraer P, English A, Khan J, Livermore B, King JM. 2020a. Offshore wind energy and benthic habitat changes, lessons from Block Island Wind Farm. Oceanography 33(4):58-69.
- Hutchison ZL, Secor DH, Gill AB. 2020b. 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. April 2018.
- Inspire Environmental (Inspire). 2022a. Benthic resources characterization report – federal waters. Appendix M1 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC and Stantec Consulting Services Inc. July 2022.
- Inspire Environmental (Inspire). 2022b. Benthic resources characterization report – New York State waters. Appendix M2 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC and Stantec Consulting Services Inc. July 2022.
- Inspire Environmental (Inspire). 2022c. Benthic habitat mapping to support essential fish habitat consultation. Appendix M3 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.
- Inspire Environmental (Inspire). 2022d. Essential fish habitat. Appendix N1 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC and Stantec Consulting Services Inc. August 2022.

- 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(6).
- 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.
- 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: U.S. Department of the Interior, Bureau of Ocean Energy Management. 232 p. Report No. OCS Study BOEM 2021-049.
- 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.
- Jones IT, Stanley JA, Mooney TA. 2020. Impulsive pile driving noise elicits alarm responses in squid (*Doryteuthis pealeii*). *Marine Pollution Bulletin* 150:110792.
- Kastelein RA. 2008. Effects of vibrations on the behaviour of cockles (*bivalve molluscs*). *Bioacoustics* 17: 74–75.
- Kenny AJ, Rees HL. 1994. The effects of marine gravel extraction on the macrobenthos: Early postdredging recolonization. *Marine Pollution Bulletin* 28: 442–447.
- Kerckhof F, Rumes B, Degraer S. 2019. About “mytilisation” and “slimeification”: a decade of succession of the fouling assemblages on wind turbines off the Belgian coast. Pages 73–84 in Dramer S, Brabant R, Rumes B, Vigin L (Eds.). *Environmental Impacts of Offshore Wind Farms in the Belgian Part of the North Sea: Marking a Decade of Monitoring, Research, and Innovation*. Tethys. <https://tethys.pnnl.gov/publications/environmental-impacts-offshore-wind-farms-belgian-part-north-sea-marking-decade>.
- 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.
- 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. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management. Report No. OCS Study BOEM 2016-054.
- 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/>.
- 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. Underwater noise and exposure modeling. Appendix I1 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. April 2022.
- Ladich F and Myrberg AA. 2006. Agonistic behavior and acoustic communication. *Communication in Fishes* 1(1): 121-148.
- 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.
- Lake RG, Hinch SG. 1999. Acute effects of suspended sediment angularity on juvenile coho salmon (*Oncorhynchus kisutch*). *Canadian Journal of Fisheries and Aquatic Sciences* 56: 862-867.
- 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.
- Li X, Chi L, Chen X, Ren Y, Lehner S. 2014. SAR observation and numerical modeling of tidal current wakes at the East China Sea offshore wind farm. *Journal of Geophysical Research: Oceans* 119(8):4958–4971.
- Lindeboom HJ, Kouwenhoven HJ, Bergman MJN, Bouma S, Brasseur S, Daan R, Fijn RC, de Haan D, Dirksen S. 2011. Short-term ecological effects of an offshore wind farm in the Dutch coastal zone; a compilation. *Environmental Research Letters* 6(3):1–13.
- Lloret J, Turiel A, Sole J, Berdalet E, Sabates A, Olivares A, Gili J, Vila-Subiros J, Sarda R. 2022. Unraveling the ecological impacts of large-scale offshore wind farms in the Mediterranean Sea. *Science of the Total Environment* 824.
- Loehrke JL. 2014. Movement patterns of Atlantic cod (*Gadus morhua*) spawning groups off New England. MS Thesis, University of Massachusetts, Dartmouth, MA, U.S.A.
- 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.
- Lovell JM, Findlay MM, Moate RM, Nedwell JR, Pegg MA. 2005. The inner ear morphology and hearing abilities of the paddlefish (*Polyodon spathula*) and the lake sturgeon (*Acipenser fulvescens*).

- Comparative Biochemistry and Physiology Part A: Molecular Integrative Physiology 142:286–289.
- 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.
- Malek AJ, Collie J, LaFrance M, King J. 2010. Fisheries ecology and benthic habitat in Rhode Island and Block Island sounds. Technical Report #14 of the Ocean Special Area Management Plan. Rhode Island Coastal Resources Management Council, Wakefield, RI.
- 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.
- McBride RS, Smedbol RK (Eds). 2022. An interdisciplinary review of Atlantic cod (*Gadus morhua*) stock structure in the western north Atlantic Ocean. U.S. Department of Commerce, NOAA Technical Memorandum NMFS-NE-XXX (in press). 251 p.
- McCandless CT, Conn P, Cooper P, Cortés E, Laporte SW, Nammack M. 2014. Status review report: Northwest Atlantic dusky shark (*Carcharhinus obscurus*). Report to National Marine Fisheries Service, Office of Protected Resources. October 2014. 72 p.
- McManus MC, Hare JA, Richardson DE, Collie JS. 2018. Tracking shifts in Atlantic mackerel (*Scomber scombrus*) larval habitat suitability on the Northeast U.S. Continental Shelf. *Fisheries Oceanography* 27(1): 49-62.
- McQueen K, Meager JJ, Nyqvist D, Skjæraasen JE, Olsen EM, Karlsen O, Kvadsheim PH, Handegard NO, Forland TN, Sivle LD. 2022. Spawning Atlantic cod (*Gadus morhua* L.) exposed to noise from seismic airguns do not abandon their spawning site. *ICES Journal of Marine Science* 79(10):2697-2708.
- Meekan MG, Speed CW, McCauley RD, Fisher R, Birt MJ, Currey-Randall LM, Semmens JM, Newman SJ, Cure K, Stowar M, Vaughan B, Parsons MJG. 2021. A large-scale experiment finds no evidence that a seismic survey impacts a demersal fish fauna. *Proceedings of the National Academy of Sciences* 118(30).
- Metcalf J, Wright S, Pedersen MWE, Sims D, Righton D. 2015. Movements, migrations and space in the North Sea in relation to offshore wind farms. Abstract from ICES Annual Science Conference 2015, Copenhagen, Denmark. http://orbit.dtu.dk/ws/files/119691328/Publishers_version.pdf.
- Methratta ET, Link JS. 2006. Evaluation of quantitative indicators for marine fish communities. *Ecological Indicators*, Volume 6, Issue 3, August 2006, Pages 575-588.
- Meyer M, Fay RR, Popper AN. 2010. Frequency tuning and intensity coding of sound in the auditory periphery of the lake sturgeon, *Acipenser fulvescens*. *Journal of Experimental Biology* 213:1567–1578.

- 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. https://static1.squarespace.com/static/511cdc7fe4b00307a2628ac6/t/53e3ac55e4b0b6a302b8ddff/1407429717006/Consistency_Amendment_SF11_SCOQ11_SMB7.pdf.
- Mid-Atlantic Fishery Management Council (MAFMC). 2016. Regional use of the habitat area of particular concern (HAPC) designation. May 2016. [noaa_16207_DS1.pdf](#).
- 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.
- 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. Herndon, VA: U.S. Dept. of the Interior, Minerals Management Service. Report No. OCS EIS/EA MMS 2007-046.
- Minerals Management Service (MMS). 2009. Cape Wind Farm Energy Project final environmental impact statement. Herndon, VA: U.S. Department of the Interior, Bureau of Ocean Energy Management. OCS Publication No. 2008-040.
- 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.
- Moser M, Bain M, Collins M, Haley N, Kynard B, O'Herron II J, Rogers G, Squiers T. 2000. A protocol for use of shortnose and Atlantic sturgeons. U.S. Department of Commerce National Oceanic and Atmospheric Administration National Marine Fisheries Service NOAA Technical Memorandum NMFS-OPR-18.
- Moser ML, Ross SW. 1995. Habitat use and movements of shortnose and Atlantic sturgeons in the lower Cape Fear River, North Carolina. *Transactions of the American Fisheries Society* 24:225–234.
- Myrberg AA and Lugli M. 2006. Reproductive behavior and acoustical interactions. In: Ladich F, Collin SP, Moller P, Kapoor BG (eds) *Communication in Fishes*. Enfield, NH: Science Publishers, pp. 147–174.

- Munroe DM, Haidvogel D, Caracappa JC, Klinck JM, Powell EN, Hofmann EE, Shank BV, Hart DR. 2018. Modeling larval dispersal and connectivity for Atlantic sea scallop (*Placopecten magellanicus*) in the Middle Atlantic Bight. *Fisheries Research* 208:7–15.
- National Marine Fisheries Service (NMFS). 2019. Atlantic sturgeon. <https://www.fisheries.noaa.gov/species/atlantic-sturgeon>. Accessed September 2019.
- National Marine Fisheries Service (NMFS). 2017. 50 CFR Part 226 Endangered and threatened species; designation of critical habitat for the endangered New York Bight, Chesapeake Bay, Carolina and South Atlantic distinct population segments of Atlantic Sturgeon and the threatened Gulf of Maine distinct population segment of Atlantic sturgeon. [Docket No. 150818735–7452–02] RIN 0648–BF28.
- National Marine Fisheries Service (NMFS). 2020. Essential Fish (EFH) Habitat Mapper. Accessed June 2020. <https://www.fisheries.noaa.gov/resource/map/essential-fish-habitat-mapper>.
- National Marine Fisheries Service (NMFS). 2021. Endangered Species Act section 7 consultation biological opinion on the: (a) authorization of the American lobster, Atlantic bluefish, Atlantic deep-sea red crab, mackerel/squid/butterfish, monkfish, northeast multispecies, northeast skate complex, spiny dogfish, summer flounder/scup/black sea bass, and Jonah crab fisheries and (b) implementation of the New England Fishery Management Council’s omnibus essential fish habitat amendment 2, GARFO-2017-00031. May 27, 2021. 582 p.
- National Marine Fisheries Science (NMFS). 2022. New York bight distinct population segment of Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus*). 5-year review: Summary and evaluation. National Marine Fisheries Service, Greater Atlantic Regional Fisheries Office Gloucester, Massachusetts. 34 p.
- 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.
- National Research Council. 2002. Effects of trawling and dredging on seafloor habitat. Washington, DC: The National Academies Press. <https://doi.org/10.17226/10323>.

- Neo Y, Ufkes E, Kastelein R, Winter H, Cate C, Slabbekoorn H. Impulsive sounds change European seabass swimming patterns: influence of pulse repetition interval. *Marine Pollution Bulletin* Volume 97, Issues 1–2, 15 August 2015, Pages 111-117.
- 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 England Fishery Management Council (NEFMC). 2022. Habitat management considerations for the northern edge of Georges Bank. <https://s3.us-east-1.amazonaws.com/nefmc.org/6.-220120-Northern-Edge-Habitat-Management-Considerations.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?uid={E8B21766F7F6-49B0-8346-58E71A8B3DF8}>.
- New York Department of Environmental Conservation (NYSDEC). 2008. 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 State (NYS DOS). 2020. Long Island south shore benthic habitat 2018 (LISS_Biotic_2018_Contractor_Final). [accessed 2022 Jun 09]. <http://opdgig.dos.ny.gov/#/search/SAV>.
- 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.
- Normandeau Associates, Inc (Normandeau). 2012. Effects of noise on fish, fisheries, and invertebrates in the U.S. Atlantic and Arctic from energy industry sound-generating activities. A literature synthesis for the U.S. Dept. of the Interior, Bureau of Ocean Energy Management. Contract # M11PC00031, 1-361 pp. [accessed 2022 Jun 09]. http://www.data.boem.gov/homepg/data_center/other/espis/espismaster.asp?appid=1.
- Novak A, Carlson A, Wheeler C, Wipplhauser G, Sulikowski J. 2017. Critical foraging habitat of Atlantic sturgeon based on feeding habits, prey distribution, and movement patterns in the Saco River Estuary, Maine. *Transactions of the American Fisheries Society* 146(2):308–317.

- Nye J, Link J, Hare J, Overholtz W. 2009. Changing spatial distribution of fish stocks in relation to climate and population size on the northeast United States continental shelf. *Marine Ecology Progress Series* 393:111-129. 10.3354/meps08220.
- 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/>.
- Orr T, Wood S, Drunisc M, Perkins G. 2016. Development of guidance for lighting of offshore wind turbines beyond 12 nautical miles. Sterling, VA: U.S. Dept. of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. Report No. OCS Study BOEM 2: 138.
- Orth RJ, Lefcheck JS, Wilcox DJ. 2017. Boat propeller scarring of seagrass beds in lower Chesapeake Bay, U.S.A: patterns, causes, recovery, and management. *Estuaries and Coasts* 40(6):1666–1676.
- Packard A, Karlsen HE, Sand O. 1990. Low frequency hearing in cephalopods. *Journal of Comparative Physiology A*. 166: 501–505.
- 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. pma.v27.i1.040012_1.online.pdf (silverchair-cdn.com).
- Partridge GJ, Michael RJ. 2010. Direct and indirect effects of simulated calcareous dredge material on eggs and larvae of pink snapper *Pagrus auratus*. *J. Fish Biol.* 77:227–240.
- Pederson J, Bullock R, Carlton JT, Dijkstra J, Dobroski N, Dyrinda P, Fishers R, Harris L, Hobbs N, Lambert G, Lazo-Wasem E, Mathieson A, Miglietta M, Smith J, Smith III J, Tyrrell M. 2005. Marine invaders in the northeast: rapid assessment survey of non-native and naïve marine species of floating dock communities. Publication No. 05-03. Cambridge: Massachusetts Institute of Technology, Sea Grand College Program, 40 pp.
- 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.
- Plante J. 2022. Council approves HAPC for southern New England; previews northeast regional habitat assessment data explorer. Press release. New England Fishery Management Council. [2022 Jul 18; accessed 11 Nov 2023]. <https://www.nefmc.org/news>.
- Popper AN, Salmon M, and Horch KW. 2001. Acoustic detection and communication by decapod crustaceans. *Journal of Comparative Physiology* 187:83–89.
- Popper AN, Hastings MC. 2009. The effects of anthropogenic sources of sound on fishes. *Journal of Fish Biology* 75:455–489.

- Popper AN, Hawkins A. 2018. The importance of particle motion to fishes and invertebrates. *Journal of the Acoustical Society of America* 143:470.
- 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. 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.
- Raghukumar K, Chartrand C, Chang G, Cheung L, and Roberts J. 2022. Effect of floating offshore wind turbines on atmospheric circulation in California. *Frontiers in Energy Research* 10:863995.
- Raoux A, Tecchio S, Pezy JP, Lassalle G, Degraer S, Wilhelmsson D, Cachera M, Ernande M, Le Guen C, Haraldsson M, Grangeré K. 2017. Benthic and fish aggregation inside an offshore wind farm: which effects on the trophic web functioning? *Ecological Indicators* 72:33-46.
- 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.
- Richardson WJ, Greene CR, Malme CI, Thomson DH. 1995. *Marine mammals and noise*. San Diego, California: Academic Press.
- Rico-Martinez R, Snell TW, Shearer TL. 2013. Synergistic toxicity of Macondo crude oil and dispersant Corexit 9500A to the *Brachionus plicatilis* species complex (*Rotifera*). *Environmental Pollution* 173:5–10.
- Roarty H, Glenn S, Brodie JF, Handel E, Nazzaro L, Smith M, Brown WS, Boicourt WC, Updyke T, and Atkinson L. 2020. Annual and seasonal surface circulation over the Mid-Atlantic Bight continental shelf derived from a decade of high frequency radar observations. *Journal of Geophysical Research: Oceans* 125(11): e2020JC016368. <https://doi.org/10.1029/2020JC016368>.
- 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.

- Rowe S, Hutchings JA. 2006. Sound production by Atlantic cod during spawning. *Transactions of the American Fisheries Society* 135: 529–538.
- 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. [accessed 2022 May 6]. https://dos.ny.gov/system/files/documents/2020/08/ny_commercial_fisherman_ocean_use_mapping.pdf.
- 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.
- Siddagangaiah S., Chen CF, Hu WCM, Pieretti N. 2022. Impact of pile-driving and offshore windfarm operational noise on fish chorusing. *Remote Sensing in Ecology and Conservation*, 8: 119-134. <https://doi.org/10.1002/rse2.231>.
- Sigray P, Linné M, Andersson MH, Nöjd A, Persson LKG, Gill AB, Thomsen F. 2022. Particle motion observed during offshore wind turbine piling operation. *Marine Pollution Bulletin* 180.10.1016/j.marpolbul.2022.113734.
- Sinclair M. 1988. *Marine populations: an essay on population regulation and speciation*. University of Washington Press, Seattle, WA.
- 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.
- Slavik K, Lemmen C, Zhang W, Kerimoglu O, Klingbeil K, Wirtz KW. 2018. The large-scale impact of offshore wind farm structures on pelagic primary productivity in the southern North Sea. *Hydrobiologia* 845(1):35-53.
- Smith TIJ. 1985. The fishery, biology, and management of Atlantic sturgeon, *Acipenser oxyrinchus*, in North America. *Environ. Biol. Fishes* 14:61–72.
- Smith TIJ, Clugston JP. 1997. Status and management of Atlantic sturgeon, *Acipenser oxyrinchus*, in North America. *Environmental Biology of Fishes*. 48:335-346.

- 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, VA: U.S. Dept. of the Interior, Bureau of Ocean Energy Management. Report No. 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.
- 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.
- Solé M, De Vreese S, Fortuño J, Schaar M, Sánchez A, André M. 2022. Commercial cuttlefish exposed to noise from offshore windmill construction show short-range acoustic trauma. *Environmental Pollution*.
- Stanley JA, Van Parijs SM, and Hatch LT. 2017. Underwater sound from vessel traffic reduces the effective communication range in Atlantic cod and haddock. *Scientific Reports* 7: 14633.
- Stanley JA, Calger PE, Phelan B, Shelledy K, Mooney TA, Van Parijs SM. 2020. Ontogenetic variation in the auditory sensitivity of black sea bass (*Centropristis striata*) and the implications of anthropogenic sound on behavior and communication. *Journal of Experimental Biology* 223(13): jeb219683. 10.1242/jeb.219683.
- Stanley JA, Calger PE, Phelan B, Shelledy K, Mooney TA, Van Parijs SM. 2020. Ontogenetic variation in the auditory sensitivity of black sea bass (*Centropristis striata*) and the implications of anthropogenic sound on behavior and communication. *Journal of Experimental Biology* 223, jeb219683. 10.1242/jeb.219683.
- Stantec Consulting Services Inc. (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.
- Stein AB, Friedland KD, Sutherland M. 2004a. Atlantic sturgeon marine bycatch and mortality on the continental shelf of the northeast United States. *North American Journal of Fisheries Management*. 24:171-183.
- Stein AB, Friedland KD, Sutherland M. 2004b. Atlantic sturgeon marine distribution and habitat use along the northeastern coast of the United States. *Transactions of the American Fisheries Society*. 133:527-537.
- Stevenson D, Chiarella L, Stephan D, Reid R, Willheim K, McCarthy J, Pentony M. 2004. Characterization of the fishing practices and marine benthic ecosystems of the northeast U.S. shelf, and an evaluation of the potential effects of fishing on essential fish habitat. NOAA Technical Memorandum NMFS-NE-181. 194 pp.

- 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. [accessed 2022 May 6]. <http://www.repstraus.com/wp-content/uploads/2015/03/SMAST-drop-cam-survey-1999-2014-Stokesbury.pdf>.
- 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 LLC (Sunrise Wind). 2023. Construction and operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 p.
- Tallack S. 2009. Proceedings from a workshop to identify future research priorities for cod tagging in the Gulf of Maine. Northeast Fisheries Science Center Reference Document 09-09.
- Tallack SML, McKenzie J, Parsons B, Seit AC, Kopf RK, Mesa M, Phelps Q. 2011. Stock identification applications of conventional tagging data for Atlantic cod in the Gulf of Maine proceedings from the 2nd international symposium on advances in fish tagging and marking techniques, 2011 American Fisheries Society Symposium 76: 1-15.
- Tamsett A, Heinonen KB, Auster PJ. 2010. Dynamics of hard substratum communities inside and outside of a fisheries habitat closed area in Stellwagen Bank National Marine Sanctuary (Gulf of Maine, NW Atlantic). U.S. Department of Commerce, NOAA. [accessed 2023 Nov 11]. <https://nmssanctuaries.blob.core.windows.net/sanctuaries-prod/media/archive/science/conservation/pdfs/tamsett.pdf>.
- 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):380–391.
- Thomsen F, Gill A, Kosecka M, Andersson M, Andre M, Degraer S, Folegot T, Gabriel J, Judd A, Neumann T, Norro A, Risch D, Sigray P, Wood D, Wilson B. 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, 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.
- 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.

- TRC. 2023. Ichthyoplankton entrainment assessment. Appendix N2 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. February 2023.
- United States Army Corps of Engineers (USACE). 2015. New York and New Jersey Harbor Deepening Project. Dredge Plume Dynamics in New York/New Jersey Harbor. Summary of Suspended Sediment Plume Surveys Performed During Harbor Deepening. April 2015. New York.
- United States Environmental Protection Agency (USEPA). 2006. Regional benefits analysis for the final section 316(b) phase III existing facilities rule. [accessed 2023 Nov 21].
https://www.epa.gov/sites/default/files/2015-04/documents/cooling-water_phase-3_regional-benefits_2006.pdf.
- 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. https://ecos.fws.gov/docs/recovery_plan/FINAL%20RECOVERY%20PLAN.pdf.
- 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. 2020. The effects of offshore wind farms on hydrodynamics and implications for fishes. *Oceanography* 33(4): 108-117.
- Vanhellemont Q, Ruddick K. 2014. Turbid wakes associated with offshore wind turbines observed with Landsat 8. *Remote Sensing of Environment* 145:105–115.
- Van Hoeck RV, Rowell TJ, Dean MJ, Rice AN, Van Parijs SM. 2023. Comparing Atlantic cod temporal spawning dynamics across a biographic boundary: insight from passive acoustic monitoring. *Marine and Coastal Fisheries* 15(2).
- 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. https://tethys.pnnl.gov/sites/default/files/publications/Weilgart_2018.pdf.
- 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.

- Wise JP. 1963. Cod groups in the New England area. *Fishery Bulletin* 63: 189-203.
- Woods Hole Group. 2022. Sediment transport modeling report. Appendix H in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.
- 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.
- Zhang X, Haidvogel D, Monroe D, Powell E, Klinck J, Mann R, and Castruccio F. 2015. Modeling larval connectivity of the Atlantic surfclams within the middle Atlantic Bight: model development, larval dispersal and metapopulation connectivity. *Estuarine, Coastal and Shelf Science* 153:38–53.

K.3.9. Section 3.11 – 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.
- 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.
- Baird RW. 2001. Status of harbour seals, *Phoca vitulina*, in Canada. *Canadian Field-Naturalist* 115(4):663-675.
- Balcomb, KC, and Claridge, DF. 2001. A mass stranding of cetaceans caused by naval sonar in the Bahamas. *Bahamas J. Sci.* 8:1–12.
- 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. 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.
- Benhemma-Le Gall A, Graham I, Merchant N, Thompson P. 2021. Broad-scale responses of harbor porpoises to pile-driving and vessel activities during offshore windfarm construction. *Frontiers in Marine Science* 8:664724. 10.3389/fmars.2021.664724.
- Bejarano AC, Michel J, Rowe J, Li Z, French McCay D, McStay L, Etkin DS. 2013. Environmental Risks, fate and effects of chemicals associated with wind turbines on the Atlantic Outer Continental Shelf. U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs, Herndon, VA. OCS Study BOEM 2013-213.
- 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.
- Blackwell SB, Nations CS, McDonald TL, Greene CR, Thode AM, Guerra M, Macrander AM. 2013. Effects of airgun sounds on bowhead whale calling rates in the Alaskan Beaufort Sea. *Marine Mammal Science*. 29(4):E342-E365. doi:10.1111/mms.12001.
- Blackwell SB, Nations CS, McDonald TL, Thode AM, Mathias D, Kim KH, Greene CR, Jr., Macrander AM. 2015. Effects of airgun sounds on bowhead whale calling rates: evidence for two behavioral thresholds. *PLoS One*. 10(6):e0125720. 10.1371/journal.pone.0125720.
- Boulva J. 1973. The harbour seal, *Phoca vitulina concolor*, in eastern Canada [Ph.D. diss.]. Dalhousie University. [accessed 2022 Jun 22]. <https://dalspace.library.dal.ca/xmlui/bitstream/handle/10222/54903/NK18567Redacted.pdf?sequence=4&isAllowed=y>.
- Brandt MJ, Diederichs A, Betke K, Nehls G. 2011. Responses of harbour porpoises to pile driving at the Horns Rev II offshore wind farm in the Danish North Sea. *Marine Ecology Progress Series*. 421:205-216.
- Brandt MJ, Dragon AC, Diederichs A, Schubert A, Kosarev V, Nehls G, Wahl V, Michalik A, Braasch A, Hinz C. 2016. Effects of offshore pile driving on harbour porpoise abundance in the German Bight. 262 p.
- Branstetter BK, Bowman VF, Houser DS, Tormey M, Banks P, Finneran JJ, Jenkins K. 2018. Effects of vibratory pile driver noise on echolocation and vigilance in bottlenose dolphins (*Tursiops truncatus*). *Journal of the Acoustical Society of America*. 143(1):429. doi:10.1121/1.5021555.

- 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.
- 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: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 417 p. Report No. OCS EIA/EA BOEM 2013-1131.
- 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. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 14 p.
- Bureau of Ocean Energy Management (BOEM). 2021a. Vineyard Wind 1 Offshore Wind Energy Project final environmental impact statement, volume 1. OCS EIS/EA BOEM 2021-0012.
- 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.
- Brandt MJ, Diederichs A, Betke K, Nehls G. 2011. Responses of harbour porpoises to pile driving at the Horns Rev II offshore wind farm in the Danish North Sea. *Marine Ecology Progress Series* 421(2011):205–216.
- Brandt MJ, Dragon A, Diederichs A, Schubert A, Kosarev V, Nehls G, Wahl V, Michalik A, Braasch A, Hinz C, Ketzner C, Todeskino D, Gauger M, Laczny M, Piper W. 2016. Effects of offshore pile driving on harbour porpoise abundance in the German Bight: Assessment of Noise Effects Final Report. Prepared for Offshore Forum Windenergie. June.
- Cerchio S, Strindberg S, Collins T, Bennett C, Rosenbaum H. 2014. Seismic surveys negatively affect humpback whale singing activity off northern Angola. *PLoS One*. 9(3):e86464. doi:10.1371/journal.pone.0086464.
- 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. https://tethys.pnnl.gov/sites/default/files/publications/A_Characterization_of_Marine_Mammals_and_Turtles.pdf.
- 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: U.S. 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.
- Christiansen N, Daewel U, Djath B, and Schrum C. 2022. Emergence of large-scale hydrodynamic structures due to atmospheric offshore wind farm wakes. *Frontiers in Marine Science* 9:818501.
- 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.
- 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).
- Cox TM, Ragen TJ, Read AI, Vos F, Baird RW, Balcomb K, Barlow J, Caldwell J, Cranford T, Crum L, D’Amico A, D’Spain G, Fernández A, Finneran J, Gentry R, Gerth W, Gulland F, Hildebrand J, Houser D, Hullar T, Jepson PD, Ketten D, MacLeod CD, Miller P, Moore S, Mountain D, Palka D, Ponganis P, Rommel S, Rowles T, Taylor B, Tyack P, Wartzok D, Gisiner R, Mead J, Benner L. 2006. Understanding the impacts of anthropogenic sound on beaked whales. *J. Cetacean Res. Manage* 7(3):177–187.
- 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.
- Crocker SE, Fratantonio FD. 2016. Characteristics of sounds emitted during high-resolution marine geophysical surveys. Prepared for Bureau of Ocean Energy Management by Naval Undersea Warfare Center Division Newport, Rhode Island. Report No.: OCS Study BOEM 2016-044 NUWC-NPT Technical Report 12,203.
- 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. <https://aquadocs.org/bitstream/handle/1834/35442/Croll%20et%20al.%20-%201999.pdf?sequence=1>.
- D’Amico AD, Gisiner RC, Ketten DR, Hammock JA, Johnson C, Tyack PL, Mead J. 2009. Beaked whale strandings and naval exercises. *Aquatic Mammals* 35:452–472.

- Daewel U, Akhtar N, Christiansen N, Schrum C. 2022. Offshore wind farms are projected to impact primary production and bottom water deoxygenation in the North Sea. *Communications Earth & Environment* 3(292).
- Dahne M, Gilles A, Lucke K, Peschko V, Adler S, Krugel K, Sundermeyer J, Siebert U. 2013. Effects of pile-driving on harbour porpoises (*Phocoena phocoena*) at the first offshore wind farm in Germany. *Environmental Research Letters*. 8:16 pp-16 pp. doi:10.1088/1748-9326/8/2/025002.
- Dahne M, Tougaard J, Carstensen J, Rose A, Nabe-Nielsen J. 2017. Bubble curtains attenuate noise from offshore wind farm construction and reduce temporary habitat loss for harbour porpoises. *Marine Ecology Progress Series* 580:221–237.
- Davis GE, Baumgartner MF, Bonnell JM, Bell J, Berchok C, Bort Thornton J, Brault S, Buchanan G, Charif RA, Cholewiak D. 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.
- Davis GE, Baumgartner MF, Corkeron PJ, Bell J, Berchok C, Bonnell JM, Bort Thornton J, Brault S, Buchanan GA, Cholewiak DM. 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.
- 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. [accessed 2022 Jun 22]. <https://www.boem.gov/sites/default/files/documents/oil-gas-energy/AnimalExposureModelingFoundationInstallation.pdf>.
- 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.
- Di Iorio L, Clark CW. 2010. Exposure to seismic survey alters blue whale acoustic communication. *Biology Letters*. 6(1):51-54.
- DNV-GL. 2022. Navigation safety risk assessment. Appendix X in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind, LLC. August 2022.
- 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.
- Dolman SJ, Pinn E, Reid RJ, Barley JP, Deaville R, Jepson PD, O'Connell M, Berrow S, Penrose RS, Stevick PT, Calderan S, Robinson KP, Brownell Jr. RL, Simmonds MP. 2010. A note on the unprecedented strandings of 56 deep-diving whales along the UK and Irish coast. *Marine Biodiversity Records* 3:e16.

- Dorrell RM, Lloyd CJ, Lincoln BJ, Rippeth TP, Taylor JR, Caulfield CP, Sharples J, Pollon JA, Scannel BD, Greaves DM, Hall RA, Simpson JH. 2022. Anthropogenic mixing in seasonally stratified shelf seas by offshore wind farm infrastructure. *Front. Mar. Sci.* 9, 1–25.
- Dunlop RA, Noad MJ, McCauley RD, Scott-Hayward L, Kniest E, Slade R, Paton D, Cato DH. 2017. Determining the behavioural dose-response relationship of marine mammals to air gun noise and source proximity. *Journal of Experimental Biology.* 220(Pt 16):2878-2886. 10.1242/jeb.160192.
- 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.
- 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. 281 p. OCS Study BOEM 28 (2019).
- Elliott 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. Final Report to the U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. OCS Study BOEM 2019-028. https://espis.boem.gov/final%20reports/BOEM_2019-028.pdf.
- 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. 277-309 p. In: Slabbekoorn H, Dooling RJ, Popper AN, Fay RR (Eds). *Effects of anthropogenic noise on animals*, Springer Handbook of Auditory Research. ASA Press and Springer. Slabbekoorn.
- 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* 6:606.
- 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.

- Exponent Engineering P.C. 2018. Deepwater Wind South Fork Wind Farm offshore electric and magnetic field assessment. Appendix K1 in Construction and Operations Plan South Fork Wind Farm. New York, New York: Exponent Engineering, P.C.
- Exponent Engineering P.C. 2022. Offshore DC and AC Electric-and Magnetic Field Assessment. Appendix J1 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind, LLC. August 2022.
- Fernández A, Edwards JF, Rodríguez F, Espinosa de los Monteros A, Herráez P, Castro P, Jaber JR, Martín V, Arbelo M. 2005. 'Gas and fat embolic syndrome' involving a mass stranding of beaked whales (family Ziphiidae) exposed to anthropogenic sonar signals. *Vet. Pathol.* 42:446–457.
- Floeter J, Pohlmann T, Harmer A, Mollmann C. 2022. Chasing the offshore wind farm windwake-induced upwelling/downwelling dipole. *Frontiers in Marine Science* 9:884943.
- 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.
- Graham IM, Pirota E, Merchant ND, Farcas A, Barton TR, Cheney B, Hastie GD, Thompson PM. 2017. Responses of bottlenose dolphins and harbor porpoises to impact and vibration piling noise during harbor construction. *Ecosphere*. 85(6):1-16.
- 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.
- 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. <https://tethys.pnnl.gov/publications/adapting-offshore-wind-power-foundations-local-environment>.
- 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.
- Hannay D, Zykov M. 2022. Underwater acoustic modeling of detonations of unexploded ordnance (UXO) for Ørsted wind farm construction, U.S. east coast. Document 02604, Version 3.0. Report by JASCO Applied Sciences for Ørsted.
- 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.
- Hayes SA, Josephson E, Maze-Foley K, Rosel PE. 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. Woods Hole, Massachusetts: U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Northeast Fisheries Science Center. 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.
- Hayes SA, Josephson E, Maze-Foley K, Rosel PE, Wallace J (Eds). 2022. U.S. Atlantic and Gulf of Mexico marine mammal stock assessments 2021. Woods Hole (MA): U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Northeast Fisheries Science Center. 387 p. Report No.: NOAA Technical Memorandum NMFS-NE-271.
- Hayes SA, Josephson E, Maze-Foley K, Rosel PE, McCordic J, Wallace J (Eds). 2023. U.S. Atlantic and Gulf of Mexico marine mammal stock assessments 2022. Woods Hole (MA): U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries

- Service, Northeast Fisheries Science Center. 262 p. Report No.: NOAA Technical Memorandum NMFS-NE-304.
- Hazel J, Lawler I, Marsh H, Robson S. 2007. Vessel speed increases collision risk for the green turtle *Chelonia mydas*. *Endangered Species Research* 3:105–113.
- 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.
- Holt MM, Noren DP, Veirs V, Emmons CK, Veirs S. 2009. Speaking up: killer whales (*Orcinus orca*) increase their call amplitude in response to vessel noise. *Journal of the Acoustical Society of America*. 125:EL27-EL32.
- Horwood J. 1987. The sei whale: population biology, ecology, & management. New York, New York: Croom Helm in association with Methuen, Inc. 375 p.
- 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. 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. OCS Study BOEM 2018-003.
- Jansen E, de Jong C. 2016. Underwater noise measurements in the North Sea in and near the Princess Amalia Wind Farm in operation. Proceedings of the Inter-Noise 2016 Conference, August 21–24 Hamburg, Germany.
- JASCO Applied Sciences. 2022a. New England Wind Offshore Wind Farm: application for Marine Mammal Protection Act (MMPA) rulemaking and letter of authorization. Version 8.0, Document 01648. Prepared for Park City Wind, LLC by JASCO Applied Sciences. 567 p.
- JASCO Applied Sciences. 2022b. Atlantic Shores Offshore Wind: application for Marine Mammal Protection Act (MMPA) rulemaking and letter of authorization. Final version, Document No. 02562. Prepared for Atlantic Shores Offshore Wind, LLC by JASCO Applied Sciences. 201 p.
- 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 AS, Silber GK, Calambokidis J. 2003. Large whale ship strike database. U.S. Department of Commerce (p. 37). NOAA Technical Memorandum. NMFS-ORP. https://repository.library.noaa.gov/view/noaa/23127/noaa_23127_DS1.pdf.
- 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, Papachlimitzou 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.
- Jepson PD, Arbelo M, Deaville R, Patterson IAP, Castro P, Baker JR, Degollada E, Ross HM, Herraes P, Pocknell AM, Rodriguez F, Howie FE, Espinosa A, Reid RJ, Jaber JR, Martin V, Cunningham AA, Fernández A. 2003. Gas-bubble lesions in stranded cetaceans. *Nature* 425:575–576.
- Johnson SR, Richardson WJ, Yazvenko SB, Blokhin SA, Gailey G, Jenkerson MR, Meier SK, Melton HR, Newcomer MW, Perlov AS. 2007. A western gray whale mitigation and monitoring program for a 3-D seismic survey, Sakhalin Island, Russia. *Environ Monit Assess.* 134(1-3):1-19. doi:10.1007/s10661-007-9813-0.
- Johnson TL, van Berkel JJ, Mortensen LO, Bell MA, Tiong I, Hernandez B, Snyder DB, Thomsen F, Svenstrup PO. 2021. Hydrodynamic modeling, particle tracking and agent-based modeling of larvae in the U.S. Mid-Atlantic Bight. Lakewood (CO): U.S. Department of the Interior, Bureau of Ocean Energy Management. 232 p.
- 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): U.S. Department of Commerce. 38 p. Report No. Northeast Fisheries Science Center Reference Document 21-04.
- Kastelein RA, Huijser LAE, Cornelisse S, Helder-Hoek L, Jennings N, de Jong CAF. 2019. Effect of Pile-Driving Playback Sound Level on Fish-Catching Efficiency in Harbor Porpoises (*Phocoena phocoena*). *Aquatic Mammals.* 45(4):398-410. doi:10.1578/am.45.4.2019.398.
- 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. 316 p. Washington, D.C.: Smithsonian Institution Press.
- Kellar NM, Speakman TR, Smith CR, Lane SM, Balmer BC, Trego ML, Catelani KN, Robbins MN, Allen CD, Wells RS. 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.
- Kelley DE, Vlasic JP, Brilliant SW. 2021. Assessing the lethality of ship strikes on whales using simple biophysical models. *Marine Mammal Science.* 37(1):251-267. DOI:https://doi.org/10.1111/mms.12745.

- 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. 369-386 p. In: Leatherwood S, Reeves RR (Eds). *The bottlenose dolphin*. San Diego, California: Academic Press.
- 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 (D.C.): 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.
- Kite-Powell H, Knowlton A, Brown M. 2007. Modeling the effect of vessel speed on right whale ship strike risk. Prepared for NOAA/NMFS Project NA04NMF47202394. Woods Hole, Massachusetts: Woods Hole Oceanographic Institute.
- 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, 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, 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.
- 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.

- https://rucool.marine.rutgers.edu/wp-content/uploads/2020/10/PartnersWorkshop_WhitePaper_Final.pdf.
- Kraus SD, Brown MW, Caswell H, Clark CW, Fujiwara M, Hamilton PK, Kenney RD, Knowlton AR, Landry S, Mayo CA, McLellan WA, Moore MJ, Nowacek DP, Pabst DA, Reed AJ, Rolland RM. 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: U.S. 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. Prepared for Massachusetts Clean Energy Center by New England Aquarium, University of Rhode Island, Provincetown Center for Coastal Studies, and Cornell's Bioacoustics Research Program.
- 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. Prepared for Massachusetts Clean Energy Center by New England Aquarium, University of Rhode Island, Provincetown Center for Coastal Studies, and Cornell's Bioacoustics Research Program.
- Küsel ET, Weirathmueller MJ, Koessler MW, Zammit KE, Quijano JE, Kanu C, Limpert KE, Clapsaddle ME, Zeddies DG. 2022. Underwater noise and exposure modeling. Appendix I1 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind, LLC. April 2022.
- 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.
- 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. 99-139 p. In: Coe JM, Rogers DB (Eds). *Marine debris: sources, impacts, and solutions*. New York, New York: Springer-Verlag.
- Langhamer O. 2012. Artificial reef effect in relation to offshore renewable energy conversion: state of the art. *The Scientific World Journal* 2012:8.

- Lentz SJ. 2017. Seasonal warming of the Middle Atlantic Bight cold pool. *Journal of Geophysical Research: Oceans* 122(2):941-954.
- Lesage V, Barrette C, Kingsley MCS, Sjare B. 1999. The effect of vessel noise on the vocal behavior of belugas in the St. Lawrence River estuary, Canada. *Marine Mammal Science*. 15(1):65-84. doi:10.1111/j.1748-7692.1999.tb00782.x.
- Lesage V, Hammill MO. 2001. The status of the grey seal, *Halichoerus grypus*, in the Northwest Atlantic. *Canadian Field-Naturalist* 115(4):653-662.
- Lewis R, Crowder L, Wallace B. 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.
- Lindeboom HJ, Kouwenhoven HJ, Bergman MJN, Bouma S, Brasseur S, Daan R, Fijn RC, de Haan D, Dirksen S, van Hal R. 2011. Short-term ecological effects of an offshore wind farm in the Dutch coastal zone; a compilation. *Environmental Research Letters* 6(3):035101.
- Linden DW. 2023. Population size estimation of North Atlantic right whales from 1990-2022. NOAA Technical Memorandum NMFS-NE-314. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service.
- Ljungblad DK, Wursig B, Swartz SL, Keene JM. 1988. Observations on the behavioral responses of bowhead whales (*Balaena mysticetus*) to active geophysical vessels in the Alaskan Beaufort Sea. *Arctic*. 41:183-194.
- 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.
- Malme CI, Wursig B, Bird JE, Tyack P. 1986. Behavioral responses of gray whales to industrial noise: Feeding observations and predictive modeling. Final report. Outer Continental Shelf Environmental Assessment Program Research Unit 675. 207 p.
- 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.

- 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.
- 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.
- McCauley RD, Jenner MN, Jenner C, McCabe KA, Murdoch J. 1998. The response of humpback whales (*Megaptera novaeangliae*) to offshore seismic survey noise: Preliminary results of observations about a working seismic vessel and experimental exposures. *Australian Petroleum Production and Exploration Association Journal*. 38:692-707.
- 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.
- Mid-Atlantic Fishery Management Council (MAFMC). 2023. Mid-Atlantic artificial reefs. [accessed 2023 Mar 3] <https://www.mafmc.org/artificial-reefs>.
- 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.
- 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. Herndon, Virginia: U.S. Department of the Interior. Report No. OCS EIS/EA MMS 2007-046.
- 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.
- Moore SE, Clarke JT. 2002. Potential impact of offshore human activities on gray whales (*Eschrichtius robustus*). *Journal of Cetacean Research and Management*. 4(1):19-25.
- 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.
- 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, Van Parijs SM. 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 Academies of Sciences, Engineering, and Medicine (NASEM). 2023. Potential hydrodynamic impacts of offshore wind energy on Nantucket Shoals regional ecology: an evaluation from wind to whales. Washington, D.C: The National Academies Press. <https://doi.org/10.17226/27154>.
- National Marine Fisheries Service (NMFS). 2005. Endangered Fish and Wildlife; Notice of Intent to Prepare an Environmental Impact Statement. *Federal Register* 70(7):1871–1875. Available: <https://www.govinfo.gov/content/pkg/FR-2005-01-11/pdf/05-525.pdf>. 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). 2016c. Final programmatic environmental assessment for fisheries research conducted and funded by the Northeast Fisheries Science Center. Prepared for Northeast Fisheries Science Center, National Marine Fisheries Service by URS Group.
- 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. NOAA Technical Memorandum NMFS-OPR-59.
- 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. Multi-species pile driving calculator. Version 1.2. Excel file. Updated August 2022. [accessed 2022 Oct 15]. https://media.fisheries.noaa.gov/2022-09/BLANK%20Multi-Species%20%28AUGUST%202022b%29%20PUBLIC_508_OPR1.xlsx.

- 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. [accessed 2022 Oct 15]. <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 Fisheries). 2022a. 2016–2022 humpback whale unusual mortality event along the Atlantic coast. National Oceanic and Atmospheric Administration, Department of Commerce. [accessed 2022 Jun 9]. <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 Fisheries). 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 Fisheries). 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- Fisheries (NOAA Fisheries). 2023a. 2017–2023 North Atlantic right whale unusual mortality event. National Oceanic and Atmospheric Administration, Department of Commerce.; [accessed 2023 Sept 12]. <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 Fisheries). 2023b. 2022-2023 pinniped unusual mortality event along the Maine coast. National Oceanic and Atmospheric Administration, Department of Commerce. [accessed 2023 Sept 12]. <https://www.fisheries.noaa.gov/marine-life-distress/2022-2023-pinniped-unusual-mortality-event-along-maine-coast>.
- 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, M: 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, Howell D. 2004. A review of offshore windfarm related underwater noise sources. 63 p. <https://tethys.pnnl.gov/sites/default/files/publications/Nedwell-Howell-2004.pdf>.

- 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.
- Normandeau Associates, Inc. (Normandeau), Exponent Inc., Tricas T, Gill A. 2011. Effects of EMFs from undersea power cables on elasmobranchs and other marine species. Camarillo, California: U.S. Department of the Interior, Bureau of Ocean Energy Management, Regulation, and Enforcement, Pacific OCS Region. OCS Study BOEM 2011-09.
- Northridge S. 1996. Seasonal distribution of harbour porpoises in U.S. 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. U.S. 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. U.S. Department of the Interior, Bureau of Ocean Energy Management.
- Ordtek. 2022. Munitions and explosives of concern and unexploded ordinance with risk assessment and risk mitigation strategy - confidential. Appendix G2 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind, LLC. August 2022.
- Orr TL, Herz SM, Oakley DL. 2013. Evaluation of lighting schemes for offshore wind facilities and impacts to local environments. 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. OCS study, BOEM 2013-0116.
- Osiecka AN, Jones O, Wahlberg M. 2020. The diel pattern in harbour porpoise clicking behavior is not a response to prey activity. *Nature Scientific Reports* 10:14876.
- 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. [accessed 2023 Jun 10]. noaa_3290_DS1.pdf.

- Palka D, Aichinger Dias L, Broughton E, Chavez-Rosales S, Cholewiak D, Davis G, DeAngelis A, Garrison L, Haas H, Hatch J, Hyde K, Jech M, Josephson E, Mueller-Brennan L, Orphanides C, Pegg N, Sasso C, Sigourney D, Soldevilla M, Walsh H. 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, Hyde K, Jech M, Josephson E, Mueller-Brennan L, Orphanides C, Pegg N, Sasso C, Sigourney D, Soldevilla M, Walsh H. 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, Hyde K, Jech M, Josephson E, Mueller-Brennan L, Orphanides C, Pegg N, Sasso C, Sigourney D, Soldevilla M, Walsh H. 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, Hyde K, Jech M, Josephson E, Mueller-Brennan L, Orphanides C, Pegg N, Sasso C, Sigourney D, Soldevilla M, Walsh H. 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 U.S. and Canadian Atlantic waters. Reports of the International Whaling Commission 47:729-734.
- Palka D, 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. POMA_AN2016_wirecutting_published.pdf.
- Parks SE, Clark CW, Tyack PL. 2007. Short- and long-term changes in right whale calling behavior: the potential effects of noise on acoustic communication. Journal of the Acoustical Society of America. 122(6):3725-3731. doi:10.1121/1.2799904.

- Parsons ECM, Dolman D, Wright AJ, Rose NA, Burns WCG. 2008. Navy sonar and cetaceans: just how much does the gun need to smoke before we act? *Mar. Pollut. Bull.* 56:1248–1257.
- 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. <https://collections.si.edu/search/results.htm?q=%22Payne%2C+P.+Michael%22>.
- 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.
- Pierce GJ, Santos MB, Murphy S, Learmonth JA, Zuur AF, Rogan E, Bustamante P, Caurant F, Lahaye V, Ridoux V, Zegers BN, Mets A, Addink M, Smeenk C, Jauniaux T, Law RJ, Dabin W, Lopez A, Alonso Farre JM, Gonzalez AF, Guerra A, Gracia-Hartmann M, Reid RJ, Moffat CF, Lockyer C, Boon JP. 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.
- Pinsky ML, Selden RL, Kitchel ZJ. 2020. Climate-driven shifts in marine species ranges: scaling from organisms to communities. *Annual Review of Marine Science* 12(1):153-179.
- 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, U.S.A: 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 (U.S.A.) 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. OCS Study BOEM 2021-054.
- 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). 323-355 p. In: Ridgway SH, Harrison R (Eds). *Handbook of marine mammals*. San Diego, California: Academic Press.
- 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.
- Revolution Wind. 2022. Construction and operations plan, Revolution Wind Farm Project. Revised July 21, 2022. Prepared for Revolution Wind LLC by vhb. Submitted to Bureau of Ocean Energy Management. 900 p.
- Richardson WJ, Miller GW, Greene CR. 1999. Displacement of migrating bowhead whales by sounds from seismic surveys in shallow waters of the Beaufort Sea. *The Journal of the Acoustical Society of America*. 106(4):2281-2281. <http://dx.doi.org/10.1121/1.427801>.
- Richardson WJ, Greene CR, Malme CI, Thomson DH. 1995. *Marine mammals and noise*. San Diego, California: Academic Press.
- Richardson WJ, Wursig B, Greene Jr. CR. 1986. Reactions of bowhead whales, *Balaena mysticetus*, to seismic exploration in the Canadian Beaufort Sea. *Journal of the Acoustical Society of America*. 79(4):1,117-111,128.
- 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.
- Robbins J, Mattila DK. 2001. Monitoring entanglements of humpback whales (*Megaptera novaeangliae*) in the Gulf of Maine on the basis of caudal peduncle scarring. Scientific Committee meeting document SC/53/NAH25. International Whaling Commission, Cambridge, UK.
- Roberts JJ, Best BD, Mannocci L, Fujioka E, Halpin PN, Palka DL, Garrison LP, Mullin KD, Cole TVN, Khan CB, McLellan WA, Pabst DA, Lockhart GG. 2016. Habitat-based cetacean density models for the U.S. Atlantic and Gulf of Mexico. *Scientific Reports* 6:22615.
- Roberts JJ, Yack TM, Halpin PN. 2023. Marine mammal density models for the U.S. Navy Atlantic fleet training and testing (AFTT) study area for the phase IV Navy marine species density database (NMSDD). Document version 1.3. Report prepared for Naval Facilities Engineering Systems Command, Atlantic by the Duke University Marine Geospatial Ecology Lab, Durham, North Carolina.

- 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.
- 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.
- Ruppel CD, Weber TC, Staaterman ER, Labak SJ, Hart PE. 2022. Categorizing active marine acoustic sources based on their potential to affect marine animals. *Journal of Marine Science and Engineering*. 10(9):1278.
- 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.
- Russell DJF, Hastie GD, Thompson D, Janik VM, Hammond PS, Scott-Hayward LAS, Matthiopoulos J, Jones EL, McConnell BJ. 2016. Avoidance of wind farms by harbour seals is limited to pile driving activities. *Journal of Applied Ecology* 53(6):1642-1652.
- 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.
- Scheifele PM, Andrew S, Cooper RA, Darre M, Musiek FE, Max L. 2004. Indication of a Lombard vocal response in the St. Lawrence River beluga. *Journal of the Acoustical Society of America*. 17:1486-1492. doi:10.1121/1.1835508.
- 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.
- Schofield O, Chant R, Cahill B, Castelao R, Gong D, Kahl A, Kohut J, Montes-Hugo M, Ramadurai R, Ramey P, Yi X. 2008. The decadal view of the mid-Atlantic Bight from the COOLroom: is our coastal system changing? *Oceanography* 21(4):108-117.
- Schroeder CL. 2000. Population status and distribution of the harbor seal in Rhode Island waters [Master's thesis]. University of Rhode Island.
- 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.
- 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. 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.
- Shimada T., Limpus C, Jones R, Hamann M. 2017. Aligning habitat use with management zoning to reduce vessel strike of sea turtles. *Ocean and Coastal Management* 142:163–172.
- Smith CR, Rowles TK, Hart LB, Townsend FI, Wells RS, Zolman ES, Balmer BC, Quigley B, Ivancic M, McKercher W, Tumlin MC, mullin KD, Adams JD, Wu Q, McFee W, Collier T, Schwacke LH. 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, Stevick PT, Oien N. 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. Prepared for Ørsted. Boston, MA.
- 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. Prepared for Ørsted. Boston, MA.
- Southall BL. 2021. Evolutions in marine mammal noise exposure criteria. *Acoustics Today* 17(2): 52-60.
- Southall BL, Ellison W, Clark CW, Tollit D, Amaral JL. 2021a. Marine mammal risk assessment for New England offshore windfarm construction and operational scenarios. Sterling (VA): U.S. Department of the Interior, Bureau of Ocean Energy Management. 104 p. Report No. OCS Study BOEM 2021-080.
- Southall BL, Nowacek DP, Bowles AE, Senigaglia V, Bejder L, Tyack PL. 2021b. Marine mammal noise exposure criteria: Assessing the severity of marine mammal behavioral responses to human noise. *Aquatic Mammals*. 47(5):421-464. doi:10.1578/am.47.5.2021.421.
- Stantec Consulting Services Inc. (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. https://tethys.pnnl.gov/sites/default/files/publications/SFWF_COP_AppBB3.pdf.
- Stantec Consulting Services Inc. (Stantec). 2022a. Offshore in-air acoustic assessment. Appendix I3 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind, LLC. November 2022.

- Stantec Consulting Services Inc. (Stantec). 2022b. Marine mammals, sea turtles, and ESA-listed fish species assessment. Appendix O1 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC and Stantec Consulting Services Inc. August 2022.
- Stantec Consulting Services Inc. (Stantec). 2022c. Air traffic flow analysis/ADLA analysis. Appendix Y2 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind, LLC. August 2022.
- Stevick PT, Allen J, Bérubé M, Clapham PJ, Katona SK, Larsen F, Lien J, Mattila DK, Palsbøll PJ, Sears R, Sigurjonsson J, Smith TD, Vikingsson G, Oien N, Hammond PS. 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.
- 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 LLC (Sunrise Wind). 2020. Emergency response plan/oil spill response plan – confidential. Appendix E1 in Construction and Operations Plan Sunrise Wind Farm. December 2020.
- Sunrise Wind LLC (Sunrise Wind). 2022a. 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 LLC (Sunrise Wind). 2022b. Safety management system - confidential. Appendix G1 in Construction and Operations Plan Sunrise Wind Farm. November 2022.
- Sunrise Wind LLC (Sunrise Wind). 2022c. Draft protected species mitigation and monitoring plan. Appendix O2 in Construction and Operations Plan Sunrise Wind Farm. April 2022.
- Sunrise Wind LLC. 2022d. Fisheries and benthic monitoring plan. Appendix AA1 in Construction and Operations Plan Sunrise Wind Farm. April 2022.
- Sunrise Wind LLC. 2022e. Sunrise Wind benthic monitoring plan – New York State waters. Appendix AA2 in Construction and Operations Plan Sunrise Wind Farm. April 2022.
- Sunrise Wind LLC (Sunrise Wind). 2023a. Construction and operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 p.
- Sunrise Wind LLC (Sunrise Wind). 2023b. Reduced WTG foundation scenario – 87 foundations and updated marine mammal take estimates for the Sunrise Wind Offshore Wind Farm. Prepared for

- Sunrise Wind LLC by LGL Ecological Research Associates, Inc. and JASCO Applied Science. Submitted to National Marine Fisheries Service, Office of Protected Resources. 16 p.
- Takehita 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.
- 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.
- 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.
- Tetra Tech. 2022. Dominion Energy Coastal Virginia Offshore Wind Commercial Project: Request for rulemaking and Letter of Authorization (LOA) for taking of marine mammals incidental to construction activities on the Outer Continental Shelf (OCS) within lease OCS-A 0483 and the associated offshore export cable route corridor. Prepared for Dominion Energy by Tetra Tech, Inc. 313 p.
- Thomsen F, Gill A, Kosecka M, Andersson M, Andre M, Degraer S, Folegot T, Gabriel J, Judd A, Neumann T, Norro A, Risch D, Sigray P, Wood D, Wilson B. 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.
- 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.
- 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(5):2885–2893.
- TRC. 2023. Ichthyoplankton entrainment assessment. Appendix N2 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. February 2023.
- 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.
- United States Environmental Protection Agency (USEPA). 2016. Climate change indicators: oceans. Available online: <https://www.epa.gov/climate-indicators/oceans>. Accessed: November 2021.
- van Berkel J, Burchard H, Christensen A, Mortensen LO, Petersen OS, Thomsen F. 2020. The effects of offshore wind farms on hydrodynamics and implications for fishes. *Oceanography* 33:108-117.
- 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.
- Van Parijs SM, Baker K, Carduner J, Daly J, Davis GE, Esch C, Guan S, Scholik-Schlomer A, Sisson NB, Staaterman E. 2021. NOAA and BOEM minimum recommendations for use of passive acoustic listening systems in offshore wind energy development monitoring and mitigation programs. *Frontiers in Marine Science* 8(1575).
- Van Waerebeek K, Baker A, Felix F, Gedamke J, Iniguez M, Sanino GP, Secchi ED, Sutaria D, van Helden AN, Wang Y. 2007. Vessel collisions with small cetaceans worldwide and with large whales in the southern hemisphere, an initial assessment. *LAJAM* 6(1):43–49.
- 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.
- Wang JW, Yang SC. 2006. Unusual stranding events of Taiwan in 2004 and 2005. *J. Cetacean Res. Manage* 8(3):283–292.
- Waring GT, Fairfield CP, Ruhsam CM, Sano M. 1993. Sperm whales associated with Gulf Stream features off the north-eastern U.S.A. shelf. *Fisheries Oceanography* 2(2):101-105.
- Waring GT, Palka DL. 2002. North Atlantic marine mammals. 802-806 p. In: Perrin WF, Würsig B, Thewissen JGM (Eds). *Encyclopedia of marine mammals*. San Diego, California: Academic Press.

- 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.
- Wells RS, Scott MD. 1997. Seasonal incidence of boat strikes on bottlenose dolphins near Sarasota, Florida. *Marine Mammal Science* 3:475-480.
- 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 J, Galgani F, Hanke G, Maes T, Matiddi M, Nilsson P, Oosterbaan L, Priestland E, Thompson R, Veiga J, Vlachogianni T. 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. 431 p. Chicago, Illinois: University of Chicago Press.
- Whitt AD, Dudzinski K, Laliberté JR. 2013. North Atlantic right whale distribution and seasonal occurrence in nearshore waters off New Jersey, U.S.A., 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 J, Southall BL, Tollit DJ. 2012. PG&E offshore 3-D seismic survey project EIR – Marine mammal technical draft report. SMRU Ltd.: SMRU Ltd.
- 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.

- Woods Hole Group. 2022. Sediment transport modeling report. Appendix H in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind, LLC. August 2022.
- Würsig B, Greene Jr. CR, Jefferson TA. 2000. Development of an air bubble curtain to reduce underwater noise of percussive piling. *Marine Environmental Research*. 49:79-93.
- 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.
- 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.
- 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, U.S.A. *Aquatic Mammals* 48(1):25-35.
- Zoodsma B, Howe K, White M, Jakush J, George C, Gowan T, Hamilton P, Jackson K, Pitchford T, Taylor C, Ward L. 2016. North Atlantic right whale calving area surveys: 2014/2015 results. U.S. Dept. of Commerce, NOAA. 10 p. Report No.: NOAA Technical Memorandum NMFS-SER-4.

K.3.10. Section 3.12 – 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.
- 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.
- 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. *Adv Exp Med Biol* 2012(730):89-92.
- Bartol SM, Ketten DR. 2006. Turtle and tuna hearing. In: Swimmer Y, Brill R (Eds). *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.

- 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).
- 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.
- 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.
https://www.dec.ny.gov/docs/fish_marine_pdf/dmrturtleport.pdf.
- 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. <https://www.tc.faa.gov/its/worldpac/techrpt/ee80-1-1.pdf>.
- 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: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 417 p. Report No. OCS EIA/EA BOEM 2013-1131.
- 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. New Orleans, LA: 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. Sterling, VA: 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. Sterling, VA: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 9 p.
- 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. Sterling, VA: 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, Ehrhart LM, Weishampel JF. 2014. Modeling and mapping isotopic patterns in the Northwest Atlantic derived from loggerhead sea turtles. *Ecosphere* 5(9):122.
- 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.
- Conn PB, Silber GK. 2013. Vessel speed restrictions reduce risk of collision-related mortality for North Atlantic right whales. *Ecosphere* 4(4):43.
- 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 (eds). *Proceedings of the Eighteenth International Sea Turtle Symposium: NOAA Technical Memorandum NMFS-SEFSC-436*. 60 p.
- 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). 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.
- 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.
- 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.
- DNV-GL. 2022. Navigation safety risk assessment. Appendix X in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.
- Duncan EM, Botterell ZL, Broderick AC, Galloway TS, Lindeque PK, Nuno A, 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 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.
- 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.
- 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.
- Exponent Engineering P.C. 2022. Offshore DC and AC electric-and magnetic field assessment. Appendix J1 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.
- Finkbeiner EM, Wallace BP, Moore EJ, Lewison RL, Crowder LB, Read AJ. 2011. Cumulative estimates of sea turtle bycatch and mortality in U.S.A. fisheries between 1990 and 2007. *Biological Conservation* 144(11):2719–2727.
- Foote JJ, Mueller TL. 2002. Two Kemp’s ridley (*Lepidochelys kempii*) nests on the central Gulf coast of Sarasota County Florida (U.S.A.). 252-253 p. In: Mosier A, Foley A, Brost B (Eds). Proceedings of the Twentieth Annual Symposium on Sea Turtle Biology and Conservation: NOAA Technical Memorandum NMFS-SEFSC-477.
- Gall SC, Thompson RC. 2015. The impact of debris on marine life. *Marine Pollution Bulletin* 92(1):170-179.
- Gallaway 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. *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/dammigration/garfo_esa_section_7_technical_guidance_1312_020_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.
- Griffin D, Murphy S, Frick M, Broderick A, Coker J, Coyne M, Dodd M, Godfrey M, Godley B, Hawkes L, Murphy T, Willimas K, Witt J. 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, Casale P, Chaloupka M, Chan SK, Coyne M, Crowder LB, Diez CE, Dutton PH, Epperly SP, FitzSimmons NN, Formia A, Girondot M, Hays GC, Cheng IJ, Kaska Y, Lewison R, Mortimer JA, Nichols WJ, Reina RD, Shanker K, Spotila JR, Tomás J, Wallace BP, Work TM, Zbiden N, Godley BJ. 2010. Global research priorities for sea turtles: Informing management and conservation in the 21st century. *Endangered Species Research* 11(3):245-269.
- 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, Murphy TM, Williams KL, Godley BJ. 2011. Home on the range: Spatial ecology of loggerhead turtles in Atlantic waters of the U.S.A. *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.
- 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.
- Kite-Powell H, Knowlton A, Brown M. 2007. Modeling the effect of vessel speed on right whale ship strike risk. Prepared for NOAA/NMFS Project NA04NMF47202394. Woods Hole, Massachusetts: Woods Hole Oceanographic Institute.
- 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: 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.
- Küsel ET, Weirathmueller MJ, Koessler MW, Zammit KE, Quijano JE, Kanu C, Limpert KE, Clapsaddle ME, Zeddies DG. 2022. Underwater noise and exposure modeling. Appendix I1 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. April 2022.
- Laist DW, Knowlton AR, Mead JG, Collet AS, Podesta M. 2001. Collisions between ships and whales. *Marine Mammal Science* 17(1):35-75.
- Landry AM, Jr., Costa D. 1999. Status of sea turtle stocks in the Gulf of Mexico with emphasis on the Kemp's ridley. 248-268 p. In: Kumpf H, Steidinger K, Sherman K (Eds). *The Gulf of Mexico large marine ecosystem: Assessment, sustainability, and management*. Malden, Massachusetts: Blackwell Science.

- 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.
- LGL Ecological Research Associates, Inc (LGL Ecological Research Associates). 2022. Protected species mitigation and monitoring plan: sea turtles and ESA-listed fish species. Appendix O3 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC and Stantec Consulting Services Inc. July 2022.
- 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. https://www.epa.wa.gov.au/sites/default/files/Proponent_response_to_submissions/A1496_R1_221_ERMP_RTS_Appendix%2012.%20Limpus%20Report%20Final.pdf.
- 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.
- 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. 387-409 p. In: Lutz PL, Musick JA, editors. *The biology of sea turtles*. Boca Raton, Florida: CRC Press.
- 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.
- McCaughey 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. https://www.pge.com/includes/docs/pdfs/shared/edusafety/systemworks/dcpp/mcCauley_et_al_2000_marine_seismic_surveys_a_study_of_environmental_implications.pdf

- 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, U.S.A. *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.
- 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.
- 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 U.S. 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*. P. 33779-33780.
- National Marine Fisheries Service, U.S. Fish and Wildlife Service, and Secretariat of Environment and Natural Resources (NMFS). 2011. 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.
- 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). 2016a. Final programmatic environmental assessment for fisheries research conducted and funded by the Northeast Fisheries Science Center. Prepared for Northeast Fisheries Science Center, National Marine Fisheries Service by URS Group.
- National Marine Fisheries Service (NMFS). 2021. Data collection and site survey activities for renewable energy on the Atlantic Outer Continental Shelf. Greater Atlantic Regional Fisheries Office, Office of Protected Resources. Section 7 consultation GARFO-2021-00999.
- 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, Maryland.
- 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. [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. 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.
- 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, Inc. (Normandeau), Exponent Inc., 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 U.S. waters of the western North Atlantic Ocean – AMAPPS II. <https://repository.library.noaa.gov/view/noaa/22419>.
- 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 U.S. waters of the western North Atlantic Ocean – AMAPPS II. <https://repository.library.noaa.gov/view/noaa/26467>.
- 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 U.S. waters of the Western North Atlantic Ocean: AMAPPS III. (U.S.). <https://repository.library.noaa.gov/view/noaa/29491>.
- 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. U.S. 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. U.S. Department of the Interior, Bureau of Ocean Energy Management.
- O'Hara J, Wilcox JR. 1990. Responses of loggerhead sea turtles, *Caretta caretta*, to low frequency sound. *Copeia* 199:564–567.
- 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.
- Patel SH, Winton MV, Hatch JM, Haas HL, Saba VS, Fay G, Smolowitz RJ. 2021. Projected shifts in loggerhead sea turtle thermal habitat in the Northwest Atlantic Ocean due to climate change. *Scientific Reports* 11:8850.
- 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.
- 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. <https://www.nrc.gov/docs/ML1409/ML14094A329.pdf>
- Poloczanska ES, Limpus CJ, Hays GC. 2009. Vulnerability of marine turtles to climate change. In: Sims DW, editor. *Advances in Marine Biology*. Burlington: Academic Press p. 151-211.
- Popper AN, Hawkins AD, Fay RR, Mann DA, Bartol S, Carlson TJ, Coombs S, Ellison WT, Gentry RL, Halvorsen MB. 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. <https://www.nrc.gov/docs/ML0613/ML061390355.pdf>
- Pritchard PCH. 1997. Evolution, phylogeny, and current status. 1-29 p. In: Lutz PL, Musick JA (Eds). *The biology of sea turtles*. Boca Raton, Florida: CRC Press. Copyright protected.
- 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.
- 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. 2013. 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. 128-141 p. In: Meylan PA (Ed). *Biology and conservation of Florida turtles* Chelonian Research Monographs No 3. Lunenburg, Massachusetts: Chelonian Research Foundation.
- 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.
- Schwartz FJ. 1978. Behavioral and tolerance responses to cold water temperatures by three species of sea turtles (Reptilia, Cheloniidae) in North Carolina. 16-18 p. In: Henderson GE (Ed). *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.
- Schwartz FJ. 1989. Biology and ecology of sea turtles frequenting North Carolina. In: George RY, Hulbert AW (Eds). 307-311 p. *North Carolina Coastal Oceanography Symposium National Undersea Research Program Research Report 89-2; December; Silver Spring, Maryland. National Oceanic and Atmospheric Administration.*

- 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, Martinez 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.
https://www.researchgate.net/publication/268745071_Oil_and_Sea_Turtles_Biology_Planning_and_Response.
- 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.
- 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 0487/0500, 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, Didden 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.
- Sparks LM, DiMatteo AD. 2023. Sea turtle distribution and abundance on the east coast of the United States. NUWC-NPT Technical Report 12,428. Naval Undersea Warfare Center Division, Newport, Rhode Island.
- Stantec Consulting Services Inc. (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. 144-157 p. In: Meylan PA (Ed). Biology and conservation of Florida turtles Chelonian Research Monographs No 3. Lunenburg, Massachusetts: Chelonian Research Foundation.
- 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.
- Sunrise Wind LLC (Sunrise Wind). 2022. Safety management system - confidential. Appendix G1 in Construction and Operations Plan Sunrise Wind Farm. November 2022.
- Sunrise Wind LLC (Sunrise Wind). 2023. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 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.
- 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.
- Thomsen F, Gill A, Kosecka M, Andersson M, Andre M, Degraer S, Folegot T, Gabriel J, Judd A, Neumann T, Norro A, Risch D, Sigraay P, Wood D, Wilson B. 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.
- 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.

- TRC. 2023. Ichthyoplankton entrainment assessment. Appendix N2 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. February 2023.
- 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.
- University of Delaware Sea Grant (UDSG). 2000. Sea turtles count on Delaware Bay. University of Delaware Sea Grant Reporter. 19:7.
- 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.
- United States Naval Undersea Warfare Center (NUWC/EC). 2023. East Coast turtle density models. L. Sparks and A. DiMatteo. OBIS-SEAMAP. Marine Geospatial Ecology Lab / Duke University; [accessed 19 September 2023]. <https://seamap.env.duke.edu/models/NUWC/EC/>.
- 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. [accessed 2023 Nov 11]. https://www.phys.ocean.dal.ca/~taggart/Publications/Vanderlaan_Taggart_MarMamSci23_2007.pdf.
- 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, Gilardi KV, Hardesty BD, Ivar do Sul JA, Lavers JL, Lazar B, Lebreton L, Nichols WJ, Ribic CA, Ryan PG, Schuyler QA, Smith S, Takada H, Townsend KA, Wabnitz C, Wilcox C, Young LC, Hamann M. 2014. Global research priorities to mitigate plastic pollution impacts on marine wildlife. *Endangered Species Research* 25(3):225-247.
- Weber M. 1995. Kemp's ridley sea turtle, *Lepidochelys kempii*. 109-122 p. In: Plotkin PT (Ed). Status reviews of sea turtles listed under the Endangered Species Act of 1973. Silver Spring, Maryland: National Marine Fisheries Service.
- 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.
- 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.
- Woods Hole Group. 2022. Sediment transport modeling report. Appendix H in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.
- Zarriello MC, Steadman DW. 1987. Historic specimens from Long Island, New York. Marine Turtle Newsletter 40:12.

K.3.11. Section 3.13 – Wetlands and Other Waters of the United States

- Bureau of Ocean Energy Management (BOEM). 2023. Essential fish habitat assessment for Sunrise Wind Offshore Wind Project. May 2023. Submitted to National Marine Fisheries Service by U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Program.
- DNV GL. 2021. Certified verification agent – confidential. Appendix D in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. Medford, Massachusetts: DNV-GL.
- 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.
- Hopson AM. 2019. Impacts of anthropogenic noise on aquatic invertebrates in wetland habitats [Doctoral dissertation, Kent State University]. OhioLINK Electronic Theses and Dissertations Center. http://rave.ohiolink.edu/etdc/view?acc_num=kent15645874111271.
- Hirvonen H. 2001. Impacts of highway construction and traffic on a wetland bird community. UC Davis: Road Ecology Center. [accessed 21 Nov 2023]. <https://escholarship.org/uc/item/3ts9d194>.
- New York State Department of Environmental Conservation (NYSDEC). 2008. 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.

Sordello R, Ophélie R, De Lachapelle FF, Leger C, Dambry A, Vanpeene S. 2020. Environmental evidence 9(20). [accessed 2023 Nov 11]. <https://environmentalevidencejournal.biomedcentral.com/track/pdf/10.1186/s13750-020-00202-y.pdf>.

Stantec Consulting Services Inc. (Stantec). 2022. Offshore ecological assessment and field survey report - confidential. Appendix L in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.

Sunrise Wind LLC (Sunrise Wind). 2023. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 p.

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>.

K.3.12. Section 3.14 – Commercial Fisheries and For-Hire Recreational Fishing

Andersson MH, Dock-Åkerman E, Ubral-Hedenberg R, Öhman MC, Sigra P. 2007. Swimming behavior of roach (*Rutilus rutilus*) and three-spined stickleback (*Gasterosteus aculeatus*) in response to wind power noise and single-tone frequencies. *AMBIO* 36(8):636–638.

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

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).

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.

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.

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.
- Curtis, T. 2023. Personal communication between T. Curtis with NMFS and Ursula Howson with BOEM. January 2023.
- 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.
- DNV-GL. 2022. Navigation safety risk assessment. Appendix X in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.
- 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.
- Glazier E, Thunberg E, McPherson M, Jepson M, Colburn LL. 2022. Marine fisheries and the Covid-19 pandemic: calendar year 2020 survey data and analysis. NOAA Technical Memorandum NMFS-F/SPO-233. June 2022. https://repository.library.noaa.gov/view/noaa/47715/noaa_47715_DS1.pdf.
- 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 U.S. Continental Shelf. *PLoS ONE* 11(2):e0146756.
- Inspire Environmental (Inspire). 2022. Commercial and recreational fisheries data report. Appendix V in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind, LLC and Stantec Consulting Services, Inc. August 2022.

- Jones IT, Stanley JA, Mooney TA. 2020. Impulsive pile driving noise elicits alarm responses in squid (*Doryteuthis pealeii*). *Marine Pollution Bulletin* 150:110792.
- 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.
- McClenachan L, Grabowski J, Marra M, McKeon CS, Neal BP, Record NR, Scyphers SB. 2019. Shifting perceptions of rapid temperature changes' effects on marine fisheries, 1945–2017. *Fish and Fisheries* 2019(00):1–13. 10.1111/faf.12400.
- McCreary S, Brooks B. 2019. Atlantic Large whale take reduction team meeting: key outcomes meeting. April 23–26, 2019. Providence, Rhode Island. <https://www.fisheries.noaa.gov/new-england-mid-atlantic/marine-mammal-protection/atlantic-large-whale-take-reduction-plan>.
- Mid-Atlantic Fishery Management Council (MAFMC). 2021. Fishery management plans and amendments. [accessed 2022 Jun 10]. <https://www.mafmc.org/fishery-management-plans>.
- Mueller-Blenkle C, McGregor PK, Gill AB, Andersson MH, Metcalfe J, Bendall V, Sigra P, Wood DT, Thomsen F. 2010. Effects of pile-driving noise on the behaviour of marine fish. COWRIE Ref: Fish 06-08; Cefas Ref: C3371. 62 p.
- Murray G, Johnson T, McCay BJ, Danko M, St. Martin K, Takahashi S. 2010. Creeping enclosure, cumulative effects and the marine commons of New Jersey. *International Journal of the Commons* 4(1):367–389.
- National Marine Fisheries Service (NMFS). 2019. NMFS Office of Law Enforcement. Personal communication. September.
- 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). 2022. Chesapeake Bay distinct population segment of Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus*) 5-year review: summary and evaluation. Silver Spring, Maryland: National Marine Fisheries Service. [accessed 2023 Nov 11]. https://media.fisheries.noaa.gov/2022-02/Atlantic%20sturgeon%20CB%205-year%20review_FINAL%20SIGNED.pdf.
- 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. Socioeconomic impacts of Atlantic offshore wind development. [accessed 2022 Jun 10]. <https://www.fisheries.noaa.gov/resource/data/socioeconomic-impacts-atlantic-offshore-wind-development>.
- 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/>.
- Nedwell J, Howell D. 2004. A review of offshore windfarm related underwater noise sources. 63 p. <https://tethys.pnnl.gov/sites/default/files/publications/Nedwell-Howell-2004.pdf>.
- New England Fishery Management Council (NEFMC). 2021. Management plans. [accessed 2022 Jun 10]. <https://www.nefmc.org/management-plans>.
- O'Farrell, S., I. Chollett, J. N. Sanchirico, and L. Perruso. 2019. Classifying fishing behavioral diversity using high-frequency movement data. *Proceedings of the National Academy of Sciences of the United States of America* 116(34):16811–16816.
- Ørsted Offshore North America. 2021. Fisheries communication and outreach plan. Appendix B in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. October 2021.
- Papaioannou, E. A., R. L. Selden, J. Olson, B. J. McCay, M. L. Pinsky, and K. St. Martin. 2021. Not All Those Who Wander Are Lost – Responses of Fishers' Communities to Shifts in the Distribution and Abundance of Fish. *Frontiers in Marine Science* 8 (July):1–25.
- Purser J, Radford AN. 2011. Acoustic noise induces attention shifts and reduces foraging performance in three-spined sticklebacks (*Gasterosteus aculeatus*). *PLOS ONE* 6(2):e17478.
- 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.
- Roberts, L. and M. Elliott. 2017. Good or bad vibrations? Impacts of anthropogenic vibration on the marine epibenthos. *Science of the Total Environment* 595:255–268.
- 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.
- Skalski JR, Pearson WH, Malme CI. 1992. Effects of sound from a geophysical survey device on catch-per-unit-effort in a hook-and-line fishery for rockfish (*Sebastes* spp.). *Canadian Journal of Fisheries and Aquatic Sciences* 49:1357–1365.
- Stanley JA, Caiger PE, Jones IT, Van Parijs SM, Phelan B, Shelledy K, Mooney TA. 2023. Behavioral effects of sound sources from offshore renewable energy construction on the back sea bass (*Centropristis striata*) and longfin squid (*Doryteuthis pealeii*). Prepared for Bureau of Ocean Energy Management by Woods Hole Oceanographic Institute. Report No.: OCS Study BOEM 2022-004.
- 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 LLC (Sunrise Wind). 2022. Fisheries and benthic monitoring plan. Appendix AA1 in Construction and Operations Plan Sunrise Wind Farm. April 2022.
- Sunrise Wind LLC (Sunrise Wind). 2023. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 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.
- ten Brink TS, Dalton T. 2018. Perceptions of commercial and recreational fishers on the potential ecological impacts of the Block Island Wind Farm (U.S.A.). *Frontiers in Marine Science* 5:1–13.
- Wysocki LE, Amoser S, Ladich F. 2007. Diversity in ambient noise in European freshwater habitats: noise levels, spectral profiles, and impact on fishes. *Journal of the Acoustical Society of America* 121(5):2559–2566.

K.3.13. Section 3.15 – 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. Sterling, VA: U.S. Dept. of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. OCS Study 2019- 036.
- Bureau of Ocean Energy Management (BOEM). 2020. Guidelines for providing archaeological and historic property information pursuant to 30 CFR Part 585. <https://www.boem.gov/sites/default/files/documents/about->

- boem/Archaeology%20and%20Historic%20Property%20Guidelines.pdf. Accessed October 1, 2021.
- 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>.
- Environmental Design & Research, Landscape Architecture, Engineering & Environmental Service DPC (EDR). 2021a. Onshore above-ground historic properties report - confidential. Appendix U in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2021.
- Environmental Design & Research, Landscape Architecture, Engineering & Environmental Service DPC (EDR). 2021b. Terrestrial archaeological resources phase 1A assessment - confidential. Appendix S1 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2021.
- Environmental Design & Research, Landscape Architecture, Engineering & Environmental Service DPC (EDR). 2023a. Terrestrial archaeological resources phase 1B assessment - confidential. Appendix S2 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. February 2023.
- Environmental Design & Research, Landscape Architecture, Engineering & Environmental Service DPC (EDR). 2023b. Historic resources visual effects assessment. Appendix T in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. June 2023.
- R. Christopher Goodwin & Associates, Inc. (RCG&A). 2023. Phase 1 marine archaeological resources assessment for the Sunrise Wind Farm located on the Outer Continental Shelf Block OCS-487, and offshore New York. Draft. Appendix R in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. February 2023.
- Sunrise Wind LLC (Sunrise Wind). 2023a. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 p.
- Sunrise Wind LLC (Sunrise Wind). 2023b. Cultural resources avoidance, minimization, and mitigation measures - confidential. Appendix Z in Construction and Operations Plan Sunrise Wind Farm. March 2023.
- TRC Environmental Corporation 2012. Inventory and analysis of archaeological site occurrence on the Atlantic outer continental shelf. New Orleans, LA: U.S. Department of the Interior, Bureau of Ocean Energy, Gulf of Mexico OCS Region. Report No. OCS Study BOEM 2012-008.

K.3.14. Section 3.16 – Demographics, Employment, and Economics

- AKRF, Inc. (AKRF). 2020. Economic modeling report confidential. Appendix W in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. December 1, 2020.
- 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 Economic Analysis (BEA). 2022. Table SAGDP1 gross domestic product (GDP) summary, annual by state. <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 (BVG). 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. Prepared for New York State Energy Research and Development Authority (NYSERDA). [accessed 2022 Jun 10]. <https://www.nyserd.org/-/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 (Georgetown Economic Services). 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, Panduro TE, Lundhede TH, Nielsen 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 2021 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>.
- National Renewable Energy Laboratory (NREL). 2023. A Supply Chain Road Map for Offshore Wind Energy in the United States. [accessed 2023 Feb 01]. <https://www.nrel.gov/docs/fy23osti/84710.pdf>.
- National Renewable Energy Laboratory (NREL). 2022. U.S. Offshore Wind Workforce Assessment. [accessed 2022 Nov 11]. <https://www.nrel.gov/docs/fy23osti/81798.pdf>.
- New York State Department of Labor. 2019. Labor area unemployment statistics program. [accessed 2020 Jun 10]. <https://labor.ny.gov/stats/Islaus.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://espis.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 LLC (Sunrise Wind). 2023a. Construction & operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 p.
- Sunrise Wind LLC (Sunrise Wind). 2023b. Website news announcement on March 20, 2023. [accessed 2023 Mar 30]. <https://sunrisewindny.com/news/2023/03/local-benefits-agreements-to-advance-sunrise-wind-project>.
- 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>.

K.3.15. Section 3.17 – 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.

- 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>.
- 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). 2022. Environmental justice communities webpage. [accessed 2022 Jun 10]. <https://portal.ct.gov/DEEP/Environmental-Justice/Environmental-Justice-Communities#Map>.
- 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>.
- Exponent Engineering P.C. 2022. Onshore acoustic assessment. Appendix I2 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. July 2022.
- 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>.
- 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>.
- 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 (NJ DEP). 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 Department of Environmental Conservation (NYSDEC). 2022. Establishing a value of carbon guidelines for use by state agencies. [accessed 2022 Feb 14] https://www.dec.ny.gov/docs/administration_pdf/vocguid22.pdf.
- 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>.
- R. Christopher Goodwin & Associates, Inc. (RCG&A). 2023. Phase 1 marine archaeological resources assessment for the Sunrise Wind Farm located on the Outer Continental Shelf Block OCS-487, and offshore New York (draft). Appendix R in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. February 2023.
- 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 09]. <http://www.dem.ri.gov/envequity/pdf/ejfinal.pdf>.
- 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>.
- Sunrise Wind LLC (Sunrise Wind). 2023. Construction & operations plan. Sunrise Wind Farm Project. Prepared for Sunrise Wind LLC by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 p.
- Thind MPS, Tessum CW, Azevedo IL, Marshall JD. 2019. Fine particulate air pollution from electricity generation in the U.S.: 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.
- 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). 2016a. 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) 2016b. 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. EJSscreen technical documentation and data. [accessed 2022 Jun 09]. <https://www.epa.gov/ejscreen>.

United States Environmental Protection Agency (USEPA). 2022b. EJSscreen: 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>.

K.3.16. Section 3.18 – 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/>.

Discover Long Island. 2023. Southaven County Park. [accessed 25 May 2023]. <https://www.discoverlongisland.com/listing/southaven-county-park/548/>.

Exponent Engineering P.C. 2022. Onshore acoustic assessment. Appendix I2 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. July 2022.

Long Island Baptist. 2023. Long Island Baptist. [accessed 2023 May 25]. <https://libaptist.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) 2010. Acoustical toolbox: recommendations for reducing noise impacts in national parks. [accessed 2023 May 20]. <https://home.nps.gov/subjects/sound/upload/AcousticalToolbox-508-2.pdf>.

- 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>.
- National Park Service (NPS). 2023. Fire Island National Seashore, Smith Point County Park. [accessed 2023 May 25]. <https://www.nps.gov/fiis/planyourvisit/smith-point-county-park.html>.
- New York State (NYS). 2022. Suffolk, County. Albany (NY): New York State. [accessed 2022 Jan 20]. <https://www.ny.gov/counties/suffolk#:~:text=Suffolk%20%20Overview.%20Suffolk%20County%20is%20the%20easternmost%20%20Elected%20Officials%20%20Municipalities%20%20Contact>.
- Parsons G, Firestone J. 2018. Atlantic offshore wind energy development: values and implications for recreation and tourism. Sterling (VA): U.S. Department of the Interior, Bureau of Ocean Energy Management. 52 p. OCS Study BOEM 2018-013.
- 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 LLC (Sunrise Wind). 2023. Construction & operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 p.
- Town of Brookhaven, New York (Brookhaven). 2022. 2020. Town of Brookhaven, New York. History. [accessed 2022 Jan 20]. <https://www.brookhavenny.gov/524/History>.

Town of Brookhaven, New York (Brookhaven). 2020. Town of Brookhaven, New York. Public Information. Maps. [accessed 2022 Feb 18]. <https://www.brookhavenny.gov/640/Maps>.

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>.

United States Fish and Wildlife Service (USFWS). 2023. Wertheim National Wildlife Refuge. [accessed 2023 May 25]. <https://www.fws.gov/refuge/wertheim>.

K.3.17. Section 3.19 – 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. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. Report No. OCS Study BOEM 2019-036.

Bureau of Ocean Energy Management (BOEM). 2021. Guidelines for providing information on lighting and marking of structures supporting renewable energy development. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 9 p.

de la Vega D, Matthews J, Norin L, Angulo I. 2013. Mitigation techniques to reduce the impact of wind turbines on radar services. *Energies* 6. [accessed 2020 Sep 01]. <https://www.mdpi.com/1996-1073/6/6/2859/htm>.

DNV GL. 2020. Sunrise Wind Farm Project navigation safety risk assessment. Medford: Stantec Consulting Services Inc.

DNV-GL. 2022. Navigation safety risk assessment. Appendix X in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.

Dunkley F, Solandt JL. 2022. Windfarms, fishing and benthic recovery: overlaps, risks and opportunities. *Marine Policy* 145: 105262.

Federal Aviation Administration (FAA). 2018. Advisory circular 70/7460-1L obstruction marking and lighting. [accessed 2023 Aug 07]. https://www.faa.gov/documentLibrary/media/Advisory_Circular/AC_70_7460-1L_-_Obstuction_Marking_and_Lighting_-_Change_2.pdf.

Ghobrial L. 2020. Marine navigation radar [OSW turbine radar interference mitigation webinar series]. Department of Energy. [accessed 2020 Jul 13]. <https://www.energy.gov/sites/prod/files/2020/07/f76/offshore-wind-turbine-radar-interference-mitigation-webinar-7-13-2020.pdf>.

Gillman P. 2020. Offshore wind turbine radar interference mitigation (WTRIM) webinar series oceanographic high frequency (HF) radar [OSW turbine radar interference mitigation webinar

- series]. Department of Energy. <https://www.energy.gov/sites/prod/files/2020/07/f77/offshore-wind-turbine-radar-interference-mitigation-webinar-7-27-2020.pdf>.
- Hewlett JC. 1994. Ship navigation simulation study, Houston-Galveston navigation channels, Texas. Report 1. Houston Ship Channel, Bay Segment. Tech report 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.
- Hooper T, Ashley M, Austen M. 2015. Perceptions of fishers and developers on the co-location of offshore wind farms and decapod fisheries in the UK. *Marine Policy* 61: 16-22.
- International Association of Marine Aids to Navigation and Lighthouse Authorities. 2013. IALA Recommendation RO139 (O-139) The Marking of Man-Made Offshore Structures. Edition 2.1. December. <https://www.iala-aism.org/product/markings-of-man-made-offshore-structures-o-139/>. Accessed December 5, 2023.
- Munroe DM, Powell EN, Klinck JM, Scheld AM, Borsetti S, Beckensteiner J, Hofmann EE. 2022. The Atlantic surfclam fishery and offshore wind energy development: 1. Model development and verification. *ICES Journal of Marine Science: fsac106*.
- 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>.
- Rawson A, Brito M. 2022. Assessing the validity of navigation risk assessments: a study of offshore wind farms in the UK." *Ocean & Coastal Management* 219: 106078.
- Rawson A, Rogers E. Assessing the impacts to vessel traffic from offshore wind farms in the Thames Estuary. *Zeszyty Naukowe Akademii Morskiej w Szczecinie* 43 (115) (2015): 99-107.
- Slijkerman DME., Tamis JE. 2015. Fisheries displacement effects related to closed areas: a literature review of relevant aspects. <https://edepot.wur.nl/366172>.
- Stevenson TC., Tissot BN, Walsh WJ. 2013. Socioeconomic consequences of fishing displacement from marine protected areas in Hawaii. *Biological conservation* 160: 50-58.
- Sunrise Wind LLC (Sunrise Wind). 2023. Construction & operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 p.
- 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>.

Yang J, Pan C, Wang C, Jiang D, Wen B. 2014. Wind turbine clutter mitigation in coastal UHF radar. The Scientific World Journal. <https://doi.org/10.1155/2014/529230>.

K.3.18. Section 3.20 – 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.

Bureau of Ocean Energy Management (BOEM). 2018. Draft guidance regarding the use of a project design envelope in a construction and operations plan. 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/renewable-energy-program/Draft-Design-Envelope-Guidance.pdf>.

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. McLean, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management. OCS Study BOEM 2020-039.

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.

- National Academies of Sciences, Engineering, and Medicine (NAS). 2022. Wind turbine generator impacts to marine vessel radar. Washington, DC. The National Academies Press. <https://doi.org/10.17226/26430>.
- 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 01]. <http://seagrant.gso.uri.edu/oceansamp/documents.html>.
- Stantec Consulting Services Inc. (Stantec). 2022. Obstruction evaluation and airspace analysis. Appendix Y1 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.
- Sunrise Wind LLC (Sunrise Wind). 2023. Construction & operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 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>.
- United States Coast Guard (USCG). 2020. The areas offshore of Massachusetts and Rhode Island port access route study. USCG-2019-0131. [access 2022 Jun 10]. <https://downloads.regulations.gov/USCG-2019-0131-0101/content.pdf>.
- 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>.

K.3.19. Section 3.21 – 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, Surfriider Foundation, and SeaPlan. 251 p. [accessed 2022 Jan 20].

- http://archive.neooceanplanning.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/>.
- Brookhaven Fair. 2023. 2020 Brookhaven Fair postponed. [accessed 2023 May 26]. <https://brookhavenfair.com>.
- 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. 238 p. OCS BOEM Study 2016-034.
- Discover Long Island. 2023. Smith Point County Park. [accessed 2023 May 25]. <https://www.discoverlongisland.com/listing/smith-point-county-park/547/>.
- 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.
- 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, Tielens J. 2016. Northeast Large Pelagic Survey Collaborative Aerial and Acoustic Surveys for Large Whales and Sea Turtles. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management. OCS Study BOEM 2016-054.
- Long Island Baptist. 2023. Long Island Baptist. [accessed 2023 May 25]. <https://libaptist.com/>.

- 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%2FWWhiting%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>.
- National Park Service (NPS). 2023a. Fire Island National Seashore, New York, water quality. [accessed 2023 May 25]. <https://www.nps.gov/fiis/learn/nature/waterquality.htm>.
- National Park Service (NPS). 2023b. Fire Island National Seashore, Smith Point County Park. [accessed 2023 May 25]. <https://www.nps.gov/fiis/planyourvisit/smith-point-county-park.htm>.
- National Park Service (NPS). 2023c. Fire Island National Seashore, Wilderness Visitor Center. [accessed 2023 May 25]. <https://www.nps.gov/fiis/planyourvisit/wilderness-visitor-center.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.
- Ørsted Offshore North America. 2021. Fisheries communication and outreach plan. Appendix B in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. October 2021.

- Parsons G, Firestone J. 2018. Atlantic offshore wind energy development: values and implications for recreation and tourism. Sterling, VA: U.S. 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.
- Stantec Consulting Services Inc. (Stantec). 2022. Offshore in-air acoustic assessment. Appendix I3 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. November 2022.
- Sunrise Wind LLC (Sunrise Wind). 2023. Construction & operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 p.
- United States Fish and Wildlife Service (USFWS). 2023. Wertheim National Wildlife Refuge. [accessed 2023 May 25]. <https://www.fws.gov/refuge/wertheim>.
- 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>.

K.3.20. Section 3.22 – 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). 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.
- 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. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. OCS Study BOEM 2021-032.
- Environmental Design & Research (EDR). 2017. New York State offshore wind master 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). 2022a. Response to BOEM request for information, dated February 2, 2022.
- Environmental Design & Research, Landscape Architecture, Engineering & Environmental Service DPC (EDR). 2022b. Offshore visual impact assessment. Appendix Q1 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. November 2022.
- Environmental Design & Research, Landscape Architecture, Engineering & Environmental Service DPC (EDR). 2022c. Onshore visual resource assessment. Appendix Q2 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. November 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. [accessed 2022 Mar 08]. http://www.crmc.ri.gov/samp_ocean/finalapproved/TechRep07-Merrill_fogiceoz.pdf.
- National Park Foundation. 2022. Fire Island National Seashore. Washington (DC): National Park Foundation. [accessed 2023 May 25]. <https://www.nationalparks.org/connect/explore-parks/fire-island-national-seashore>.
- National Park Service (NPS). 2022. Fire Island National Seashore, New York, water quality. [accessed 2023 May 25]. <https://www.nps.gov/fiis/learn/nature/waterquality.htm>.
- National Park Service (NPS). 2023. Fire Island National Seashore, Smith Point County Park. [accessed 2023 May 25]. <https://www.nps.gov/fiis/planyourvisit/smith-point-county-park.html>.
- 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 LLC (Sunrise Wind). 2023. Construction & operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 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>.

K.4. Appendices

K.4.1. Appendix A

Bureau of Ocean Energy Management (BOEM). 2018. BOEM Tribal consultation guidance. [accessed 2019 Jun 22]. <https://www.boem.gov/BOEM-Tribal-Consultation-Guidance/>.

Sunrise Wind LLC (Sunrise Wind). 2023. Construction and operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 p.

K.4.2. Appendix B

Christiansen MB, Hasager C. 2005. Wake effects of large offshore wind farms identified from satellite SAR. *Remote Sensing of Environment* 98:251–268.

Collette BB, Klein-MacPhee G (Eds). 2002. *Bigelow and Schroeder's fishes of the Gulf of Maine*. 3rd Edition. Washington, DC: Smithsonian Institution Press.

Díaz JP, Expósito FJ, Pérez JC, González A. 2019. Long-term trends in marine boundary layer properties over the Atlantic Ocean. *Journal of Climate* 34(22):2991–3004.

Fuhlbrügge S, Krüger K, Quack B, Atlas E, Hepach H, Ziska F. 2013. Impact of the marine atmospheric boundary layer conditions on VLSL abundances in the eastern tropical and subtropical North Atlantic Ocean. *Atmos. Chem. Phys.* 13:6345–6357.

Holzworth GC. 1972. Mixing heights, wind speeds, and potential for urban air pollution throughout the contiguous United States. U.S. Environmental Protection Agency, Office of Air Programs, Research Triangle Park, North Carolina. January 1972. [accessed 2023 Oct 08]. <https://www.nrc.gov/docs/ML1408/ML14084A177.pdf>.

McAdie C J, Landsea CW, Neumann CJ, David JE, Blake ES, Hammer GR. 2009. Tropical cyclones of the north Atlantic Ocean, 1851–2006 (with 2007 and 2008 track maps included). *Historical Climatology Series 6-2*. Prepared by the National Climatic Data Center, Asheville, NC, in cooperation with the National Hurricane Center, Miami, FL. [accessed 2023 Oct 08] https://www.nhc.noaa.gov/pdf/TC_Book_Atl_1851-2006_lowres.pdf.

New York State Climate Action Council. 2010. Climate action plan interim report. Chapter 2: climate projections and vulnerabilities. [accessed 2023 Oct 08]. https://www.dec.ny.gov/docs/administration_pdf/irchap2.pdf.

National Oceanic and Atmospheric Administration (NOAA). 2023. Station 44017 (LLNR 665) – Montauk Point– 23 NM SSW of Montauk Point, NY. National Oceanic and Atmospheric Administration's National Data Buoy Center. Page last modified: October 9, 2023. [accessed 2023 Oct 09]. https://www.ndbc.noaa.gov/station_page.php?station=44017.

National Oceanic and Atmospheric Administration National Centers for Environmental information. (NOAA NCEI). 2019. Storm events database. [accessed 2023 Oct 09]. <https://www.ncdc.noaa.gov/stormevents/>.

- National Oceanic and Atmospheric Administration National Centers for Environmental Information (NOAA NECI). 2021. Climate at a glance: divisional time series temperature. Published October 2021. [accessed 2023 Oct 09]. <https://www.ncdc.noaa.gov/cag/divisional/time-series>.
- National Oceanic and Atmospheric Administration National Centers for Environmental information. (NOAA NCEI) 2023. Climate at a glance: divisional time series. September 2023. [accessed 2023 Oct 09]. <https://www.ncei.noaa.gov/access/monitoring/climate-at-a-glance/divisional/time-series>.
- Ramaswamy V, Hurrell JW, Meehl GA. 2006. Why do temperatures vary vertically (from the surface to the stratosphere) and what do we understand about why they might vary and change over time? In: Temperature trends in the lower atmosphere: steps for understanding and reconciling differences. Karl TR, Hassol SJ, Miller CD, Murray WL (Eds.). A Report by the Climate Change Science Program and the Subcommittee on Global Change Research, Washington, DC. [accessed 2021 Nov 08]. <https://downloads.globalchange.gov/sap/sap1-1/sap1-1-final-all.pdf>.
- Saha S, Moorthi S, Pan H, Wu X, Wang J, Nadiga S, Tripp P, Kistler R, Woollen J, Behringer D, Liu H, Stokes D, Grumbine R, Gayno G, Wang J, Hou Y, Chuang H, Juang H, Sela J, Iredell M, Treadon R, Kleist D, Van Delst P, Keyser D, Derber J, Ek M, Meng J, Wei H, Yang R, Lord S, van den Dool H, Kumar A, Wang W, Long C, Chelliah M, Xue Y, Huang B, Schemm J, Ebisuzaki W, Lin R, Xie P, Chen M, Zhou S, Higgins W, Zou C, Liu Q, Chen Y, Han Y, Cucurull L, Reynolds R, Rutledge G, Goldberg M. 2010. The NCEP climate forecast system reanalysis. American Meteorology Society. [accessed 2023 Oct 09]. <https://journals.ametsoc.org/doi/pdf/10.1175/2010BAMS3001.1>.
- Siedersleben SK, Lundquist JK, Platis A, Bange J, Bärfuss K, Lampert A, Cañadillas B, Neumann T, Emeis S. 2018. Micrometeorological impacts of offshore wind farms as seen in observations and simulations. *Environ. Res. Lett.* 13 (2018): 124012.
- Sunrise Wind LLC (Sunrise Wind). 2023. Construction & operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 p.
- United States Environmental Protection Agency (USEPA). 2023. Support center for regulatory atmospheric modeling (SCRAM): SCRAM Mixing Height Data. [accessed 2023 Nov 02]. <https://www.epa.gov/scram/scram-mixing-height-data>.

K.4.3. Appendix C

No references cited in Appendix C.

K.4.4. Appendix D

No references cited in Appendix D.

K.4.5. Appendix E

American Association of Port Authorities (AAPA). 2016. Port-related projects awarded \$61.8 million in TIGER VIII infrastructure grants. [accessed 2022 Oct 20]. <https://www.aapa-ports.org/advocating/PRDetail.aspx?ItemNumber=21393>.

- Atlantic States Marine Fisheries Commission (ASMFC). 2014. Five-year strategic plan 2014–2018. [accessed 2022 Oct 20]. http://www.asmfc.org/files/pub/2014-2018StrategicPlan_Final.pdf.
- Atlantic States Marine Fisheries Commission (ASMFC). 2018. Management, policy and science strategies for adapting fisheries management to changes in species abundance and distribution resulting from climate change. February. [accessed 2019 Jan 7]. http://www.asmfc.org/files/pub/ClimateChangeWorkGroupGuidanceDocument_Feb2018.pdf.
- Atlantic States Marine Fisheries Commission (ASMFC). 2019. Fisheries management. [accessed 2019 Aug 29]. <http://www.asmfc.org/fisheries-management/program-overview>.
- Bureau of Ocean Energy Management (BOEM). 2013. General information: types of geological and geophysical surveys and equipment. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management. 8 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. Revised environmental assessment. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. OCS EIS/EA BOEM 2016-070.
- Bureau of Ocean Energy Management (BOEM). 2018. Marine minerals: requests and active leases. [accessed 2021 Jul 10]. <https://www.boem.gov/Requests-and-Active-Leases/>.
- 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. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. Report No. OCS Study BOEM 2019-036.
- Bureau of Ocean Energy Management (BOEM). 2021a. Vineyard Wind Offshore Wind Energy Project: final environmental impact statement. Sterling, Virginia: U.S. 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). 2021b. Submitted Atlantic OCS region permit requests. [accessed 2021 Aug 27]. <https://www.boem.gov/submitted-atlantic-ocs-region-permit-requests>.
- Bureau of Ocean Energy Management (BOEM). 2021c. Commercial and research wind lease and grant issuance and associated site assessment activities on the Atlantic Outer Continental Shelf of New York Bight. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. OCS EIS/EA BOEM 2021-073.
- Capital Region Economic Development Council. 2018. Capital region creates 2018 progress report. [accessed 2018 Dec 18]. <http://www.regionalcouncils.ny.gov/sites/default/files/2018-10/CapitalRegion2018ProgressReport.pdf>.

- Chinese V. 2018. East Hampton Town Board: Bigger towers present no danger. *Newsday*. Updated October 30, 2018. [accessed 2018 Dec 19]. <https://www.newsday.com/long-island/suffolk/east-hampton-communication-towers-1.22630962>.
- City of New Bedford. 2010. A city master plan New Bedford 2020. [accessed 2018 Dec 18]. http://newbedford.wpengine.netdna-cdn.com/planning/wp-content/uploads/sites/46/NewBedford2020_ACityMasterPlan_2010.pdf.
- Commonwealth of Massachusetts. 2015. 2015 update Massachusetts clean energy climate plan for 2020. [accessed 2019 Jan 19]. <https://www.mass.gov/files/documents/2017/01/uo/cecpc-for-2020.pdf>.
- Commonwealth of Massachusetts. 2016. Executive Order No. 569: establishing an integrated climate strategy for the Commonwealth. September 19, 2016. [accessed 2019 Jan 19]. <https://www.mass.gov/files/documents/2017/01/uo/cecpc-for-2020.pdf>.
- Commonwealth of Massachusetts. 2018a. Global warming solutions act: 10-year progress report. [accessed 2019 Jan 19]. <https://www.mass.gov/files/documents/2019/01/17/GWSA-10-Year-Progress-Report.pdf>.
- Commonwealth of Massachusetts. 2018b. Massachusetts state hazard and climate adaptation plan. September 2018. [accessed 2019 Jan 17]. <https://www.mass.gov/files/documents/2018/10/26/SHMCAP-September2018-Full-Plan-web.pdf>.
- Commonwealth of Massachusetts. 2019a. MVP program information. [accessed 2019 Jan 18]. <https://www.mass.gov/service-details/mvp-program-information>.
- Commonwealth of Massachusetts. 2019b. Coastal resilience grant program. [accessed 2019 Jan 18]. <https://www.mass.gov/service-details/coastal-resilience-grant-program>.
- Commonwealth of Massachusetts. 2020a. Massachusetts 2050 decarbonization roadmap. [accessed 2021 Oct 4]. <https://www.mass.gov/doc/ma-2050-decarbonization-roadmap/download>.
- Commonwealth of Massachusetts. 2020b. Request for comment on clean energy and climate plan for 2030. [accessed 2021 Oct 4]. <https://www.mass.gov/doc/interim-clean-energy-and-climate-plan-for-2030-december-30-2020/download>.
- Commonwealth of Massachusetts. 2020c. Determination of statewide emissions limit for 2030. [accessed 2021 Oct 4]. <https://www.mass.gov/doc/2030-ghg-emissions-limit-letter-of-determination/download>.
- Commonwealth of Massachusetts. 2020d. Determination of statewide emissions Limit for 2050. [accessed 2021 Oct 4]. <https://www.mass.gov/doc/final-signed-letter-of-determination-for-2050-emissions-limit/download>.
- Commonwealth of Massachusetts Legislature. 2021. FY 2022 final budget. [accessed 2021 Oct 5]. <https://malegislature.gov/Budget/FY2022/FinalBudget>.

- Connecticut General Assembly. 2019. An act authorizing municipal climate change and coastal resiliency reserve funds (Public Act No 19-77). [accessed 2021 Oct 5].
<https://www.cga.ct.gov/2019/ACT/pa/pdf/2019PA-00077-R00SB-01062-PA.pdf>.
- Connecticut General Assembly. 2021. An act concerning climate change adaptation (Public Act 21-115). [accessed 2021 Oct 5]. <https://cga.ct.gov/2021/ACT/PA/PDF/2021PA-00115-R00HB-06441-PA.pdf>.
- Connecticut Institute for Resilience & Climate Adaptation (CIRCA). 2021. CIRCA's resilient Connecticut project. [accessed 2021 Oct 5]. <https://resilientconnecticut.uconn.edu/wp-content/uploads/sites/2761/2021/05/CIRCA-RC-fact-sheet2021.pdf>. Accessed October 5, 2021.
- Connecticut Port Authority (CPA). 2018a. Connecticut maritime strategy. [accessed 2018 Nov 1].
<https://ctportauthority.com/wp-content/uploads/2018/08/Connecticut-Maritime-Strategy-2018.pdf>.
- Connecticut Port Authority (CPA). 2018b. CPA begins evaluation of RFP response for state pier. [accessed 2018 Nov 1]. <https://ctportauthority.com/about-us/in-the-news/>.
- Connecticut Port Authority (CPA). 2023. State pier infrastructure improvements project. Project details. [accessed 2023 Aug 08]. <https://statepiernewlondon.com/#project-details>.
- Cooper J. 2019. CT wind energy producer add \$45M to New London state pier upgrade. HBJ. [accessed 2020 Jan 24]. <https://www.hartfordbusiness.com/article/ct-wind-energy-producer-add-45m-to-new-london-state-pier-upgrade>.
- DockNYC. 2018. South Brooklyn marine terminal (SBMT). [accessed 2018 Dec 20].
<http://docknyc.com/sites-locations/brooklyn/south-brooklyn-marine-terminal-sbmt/>.
- Epsilon Associates, Inc. 2018. Draft construction and operations plan. Vineyard Wind Project. October 22, 2018. [accessed 2018 Nov 4]. <https://www.boem.gov/Vineyard-Wind/>.
- Federal Aviation Administration (FAA). 2020. Advisory circular 70/7460-1M obstruction marking and lighting. [accessed 2023 Aug 07]. https://www.faa.gov/documentLibrary/media/Advisory_Circular/Advisory_Circular_70_7460_1M.pdf.
- Federal Energy Regulatory Commission (FERC). 2012a. Environmental assessment for hydropower project pilot license. Cobscook Bay tidal energy project—FERC project number 12711-005 (DOE/EA1916). [accessed 2018 Oct 30]. <https://www.energy.gov/sites/prod/files/EA-1916-DEA-2011.pdf>.
- Federal Energy Regulatory Commission (FERC). 2012b. Order issuing project pilot license. Verdant Power, LLC. Project number 12611-005. [accessed 2018 Oct 30].
<https://www.ferc.gov/media/news-releases/2012/2012-1/01-23-12-order.pdf?csrt=4969462846396361735>.

- Federal Energy Regulatory Commission (FERC). 2021. Website for liquefied natural gas with listings for existing, approved, and proposed LNG import/export terminals. [accessed 2021 Aug 27]. <https://www.ferc.gov/natural-gas/overview/lng>.
- Governor's Office. 2017a. 2017 State of the state. [accessed 2019 Jan 9]. <https://www.governor.ny.gov/sites/governor.ny.gov/files/atoms/files/2017StateoftheStateBook.pdf>.
- Governor's Office. 2017b. Governor Cuomo announces historic \$5.6 billion transformation of the Long Island Railroad. July 19, 2017. [accessed 2018 Dec 19]. <https://www.liherald.com/stories/cuomo-announces-56b-plan-to-upgrade-the-lirr,94112>.
- Governor's Office. 2018a. Governor Cuomo and Attorney General Schneiderman file petition with federal government to set fair fluke quota. March 23. [accessed 2019 Jan 7]. <https://www.governor.ny.gov/news/governor-cuomo-and-attorney-general-schneiderman-file-petition-federal-government-set-fair>.
- Governor's Office. 2018b. Governor Cuomo announces dramatic increase in energy efficiency and energy storage targets to combat climate change. December 13. [accessed 2019 Jan 9]. <https://www.governor.ny.gov/news/governor-cuomo-announces-dramatic-increase-energy-efficiency-and-energy-storage-targets-combat>.
- Governor's Office. 2018c. 2018 state of the state. [accessed 2019 Jan 9]. <https://www.governor.ny.gov/sites/governor.ny.gov/files/atoms/files/2018-stateofthestatebook.pdf>.
- Governor's Office. 2021. Governor Hochul announces \$600 million in grants available for water infrastructure and resiliency projects statewide, outlines new resilient New York agenda. [accessed 2021 Oct 5]. <https://www.governor.ny.gov/news/governor-hochul-announces-600-million-grants-available-water-infrastructure-and-resiliency>.
- Hare JA, Morrison WE, Nelson MW, Stachura MM, Teeters EJ, Griffis RB. 2016. A vulnerability assessment of fish and invertebrates to climate change on the Northeast U.S. Continental Shelf. *PLoS ONE* 11(2): e0146756.
- Interface Studio. 2019. Town of North Kingstown comprehensive plan 2019—10-year re-write. [accessed 2021 Oct 5]. <https://www.northkingstown.org/DocumentCenter/View/3282/North-Kingstown-Comprehensive-Plan-September-2019-FINAL-REV>.
- Intergovernmental Panel on Climate Change (IPCC). 2018. IPCC special report on impacts of global warming of 1.5 degrees Celsius above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty: summary for policymakers. [accessed 2018 Nov 5]. http://report.ipcc.ch/sr15/pdf/sr15_spm_final.pdf.
- Kuffner A. 2018. Deepwater Wind to invest \$250 million in Rhode Island to build utility-scale offshore wind farm. *Providence Journal*. [accessed 2018 Nov 4]. <http://www.providencejournal.com/news/20180530/deepwater-wind-to-invest-250-million-in-rhode-island-to-build-utility-scale-offshore-wind-farm>.

- Long Island Regional Development Council (LIRDC). 2018. Long Island completing the puzzle 2018 update. http://regionalcouncils.ny.gov/sites/default/files/2018-10/LongIsland2018REDCReport_0.pdf. Accessed December 20, 2018.
- Marine Renewable Energy Collaborative (MRECo). 2017. New England Marine Energy Development System (NEMEDS) brochure. [accessed 2018 Oct 30]. https://www.mreconewengland.org/marine_renewable_energy/wp-content/uploads/2017/08/MRECo_Testing_Facilities_v2017.pdf.
- Marine Renewable Energy Collaborative (MRECo). 2018. Bourne tidal test site brochure. [accessed 2018 Oct 30]. https://www.mreconewengland.org/marine_renewable_energy/wp-content/uploads/2017/12/BrochurewithCompletedStructure.pdf.
- Massachusetts Clean Energy Center (MassCEC). 2017a. Massachusetts offshore wind ports & infrastructure assessment: Montaup power plant site – Somerset. [accessed 2018 Nov 4]. <http://files.masscec.com/Montaup%20Power%20Plant%201.pdf>.
- Massachusetts Clean Energy Center (MassCEC). 2017b. Massachusetts offshore wind ports & infrastructure assessment: Brayton Point power plant site – Somerset. [accessed 2018 Nov 4]. <http://files.masscec.com/Brayton%20Point%20Power%20Plant.pdf>.
- Massachusetts Clean Energy Center (MassCEC). 2017c. Massachusetts Clean Energy Center announces port assessment for offshore wind industry in Massachusetts. [accessed 2018 Nov 4]. <https://www.masscec.com/about-masscec/news/massachusetts-clean-energy-center-announces-port-assessment-offshore-wind>.
- Massachusetts Clean Energy Center (MassCEC). 2018. New Bedford Marine Commerce Terminal. [accessed 2018 Nov 4]. <https://www.masscec.com/facilities/new-bedford-marine-commerce-terminal>.
- Massachusetts Department of Environmental Protection (MassDEP). 2017. Air quality plan approval. [accessed 2018 Nov 5]. <https://eeaonline.eea.state.ma.us/EEA/FileService/FileService.Download/file/AQPermit/dgjdgdbe>.
- Metropolitan Transit Authority (MTA). 2017. Governor Cuomo proposes \$120 million to enhance 16 LIRR stations and improve system connectivity with MacArthur Airport and Brookhaven National Laboratory. January 10. [accessed 2019 Dec 19]. <http://www.mta.info/news/2017/01/10/governor-cuomo-proposes-120-million-enhance-16-lirr-stations-and-improve-system>.
- Mid-Atlantic Fishery Management Council (MAFMC). 2019. About the council. [accessed 2019 Jan 8]. <http://www.mafmc.org/about/>.
- 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, October 2007. OCS EIS/EA MMS 2007-046. [accessed 2021 Nov 30]. <https://www.boem.gov/renewable-energy/guide-ocs-alternative-energy-final-programmatic-environmental-impact-statement-eis>.

- National Marine Fisheries Service (NMFS). 2013. Endangered Species Act Section 7 consultation biological opinion for commercial wind lease issuance and site assessment activities on the Atlantic Outer Continental Shelf in Massachusetts, Rhode Island, New York and New Jersey wind energy areas. NER- 2012-9211.
- National Marine Fisheries Service (NMFS). 2021. Landings and revenue data for wind energy areas. [accessed 2022 Aug 7]. https://www.greateratlantic.fisheries.noaa.gov/ro/fso/reports/WIND/ALL_WEA_BY_AREA_DATA.html.
- New Bedford Port Authority. 2022. Revolution Wind Farm and Revolution Wind Export Cable Project draft environmental impact statement comment letter submitted to BOEM. October 17, 2022.
- New England Fishery Management Council (NEFMC). 2016. Omnibus Essential Fish Habitat Amendment 2, Volume 6: cumulative effects, compliance with applicable law and references. [accessed 2018 Oct 30]. https://s3.amazonaws.com/nefmc.org/OA2-FEIS_Vol_6_FINAL_170303.pdf.
- New Jersey Division of Fish and Wildlife. 2021. Proposal number PRN 2021-019. [accessed 2022 Nov 11]. <https://www.nj.gov/dep/rules/proposals/20210301b.pdf>.
- New York City Economic Development Corporation. 2018. New York works: NYCDC announces transformation of South Brooklyn maritime shipping hub, creating over 250 jobs in the near-term. May 8, 2018. [accessed 2018 Dec 19]. <https://www.nycedc.com/press-release/new-york-works-nycedc-announces-transformation-south-brooklyn-maritime-shipping-hub>.
- New York State. 2014. Reforming the energy vision. [accessed 2019 Feb 24]. <https://rev.ny.gov/>.
- New York State Department of Environmental Conservation (NYSDEC). 2017. New York ocean action plan 2017-2027. [accessed 2019 Jan 13]. https://www.dec.ny.gov/docs/fish_marine_pdf/nyoceanactionplan.pdf.
- New York State Department of Environmental Conservation (NYSDEC). N.d. [2019]. Community risk and resiliency act (CRRRA). [accessed 2019 Jan 17]. <https://www.dec.ny.gov/energy/102559.html>.
- New York State Energy Research and Development (NYSERDA). 2015. Clean energy plan. [accessed 2019 Jan 5]. <https://energyplan.ny.gov/-/media/nysenergyplan/2015-state-energy-plan.pdf>.
- New York State Energy Research and Development (NYSERDA). 2017a. Biennial report to the 2015 state energy plan. [accessed 2019 Feb 1]. <https://energyplan.ny.gov/-/media/nysenergyplan/2017-BiennialReport-printer-friendly.pdf>.
- New York State Energy Research and Development (NYSERDA). 2017b. New York State offshore wind master plan. NYSERDA Report 17-25b. [accessed 2018 Dec 20]. <https://www.nyserda.ny.gov/All-Programs/Programs/Offshore-Wind/Offshore-Wind-in-New-York-State-Overview/NYS-Offshore-Wind-Master-Plan>.
- Northeast Regional Planning Body (NRPB). 2016. Northeast ocean plan: full plan. [accessed 2018 Aug 30]. https://neoplaning.org/wp-content/uploads/2018/01/Northeast-Ocean-Plan_Full.pdf.

- Phillips J. 2018. \$15 million grant awarded to Port of New Bedford. 1420 WBSM. Published December 6, 2018. [accessed 2019 Apr 1]. <https://wbsm.com/15-million-grant-awarded-to-port-of-new-bedford/>.
- Port of Davisville. 2017. Port of Davisville factsheet. [accessed 2018 Nov 1]. https://commerceri.com/wp-content/uploads/2018/04/POD_Insert_2017_rev1.pdf.
- Port of New Bedford. 2018. Draft New Bedford Port Authority strategic plan 2018–2023. [accessed 2018 Nov 4]. <http://www.portofnewbedford.org/NBPA%20Draft%20Strategic%20Plan.pdf>.
- Port of New Bedford. 2020. Website for Port of New Bedford: offshore wind. [accessed 2020 Jan 24]. <https://portofnewbedford.org/offshore-wind/>.
- Rhode Island Coastal Resources Management Council (RICRMC). 2010. Rhode Island Ocean Special Area Management Plan (SAMP), volumes 1 and 2. Prepared for the Coastal Resources Management Council. Providence, Rhode Island. Coastal Resources Center, University of Rhode Island, Narragansett, Rhode Island.
- Rhode Island Coastal Resources Management Council (RICRMC). 2018a. CRMC funds nine habitats restoration projects. [accessed 2019 Apr 01]. http://www.crmc.ri.gov/news/2018_0326_habrest.html.
- Rhode Island Coastal Resources Management Council (RICRMC). 2018b. Rhode Island shoreline change special area management plan. June. [accessed 2019 Jan 18]. http://www.crmc.ri.gov/samp_beach/SAMP_Beach.pdf.
- Rhode Island Coastal Resources Management Council (RICRMC). 2022. CRMC funds five habitat restoration projects. [accessed 2022 Jul 16]. http://www.crmc.ri.gov/news/2022_0308_habrest.html.
- Rhode Island Governor’s Office. 2018. Press release: Raimondo, Deepwater Wind announce 800+ jobs. [accessed 2018 Nov 04]. <https://www.ri.gov/press/view/33345>.
- Rhode Island Office of Energy Resources (OER). 2020. The road to 100% renewable electricity by 2030 in Rhode Island. [accessed 2021 Oct 04]. <http://www.energy.ri.gov/documents/renewable/The%20Road%20to%20100%20Percent%20Renewable%20Electricity%20-%20Brattle%2004Feb2021.pdf>.
- Rulison L. 2018. Port of Albany Plans Giant Warehouse in Bethlehem. Times union. Published August 24, 2018. [accessed 2018 Dec 20]. <https://www.timesunion.com/business/article/Port-of-Albany-plans-giant-warehouse-in-Bethlehem-13180505.php>.
- Sheridan T. 2019. Southeastern Connecticut unfurls its sails. The Day. Published May 12, 2019. [accessed 2020 Feb 12]. <https://www.theday.com/op-ed/guest-opinions/20190512/southeastern-connecticut-unfurls-its-sails>.

- State of Connecticut. 2008. An act concerning Connecticut global warming solutions (Public Act No. 08-98). [accessed 2021 Oct 04]. <http://www.cga.ct.gov/2008/ACT/PA/2008PA-00098-R00HB-05600-PA.htm>.
- State of Connecticut. 2018a. Building a low carbon future for Connecticut: achieving a 45% GHG reduction by 2030. [accessed 2021 Oct 04]. <https://portal.ct.gov/-/media/DEEP/climatechange/publications/BuildingaLowCarbonFutureforCTGC3Recommendationspdf.pdf>.
- State of Connecticut. 2018b. An act concerning climate change planning and resiliency (Public Act No. 18-82). [accessed 2021 Oct 04]. <https://www.cga.ct.gov/2018/ACT/pa/pdf/2018PA-00082-R00SB-00007-PA.pdf>.
- State of Connecticut. 2018c. 2018 Connecticut comprehensive energy strategy. [accessed 2021 Oct 04]. <https://portal.ct.gov/-/media/DEEP/energy/CES/2018ComprehensiveEnergyStrategypdf.pdf>.
- State of Connecticut. 2019. Executive order no. 3. [accessed 2021 Oct 04]. <https://portal.ct.gov/-/media/Office-of-the-Governor/Executive-Orders/Lamont-Executive-Orders/Executive-Order-No-3.pdf?la=en&hash=F836ED64F1BB49A5424AB4C7493A3AE3>.
- State of Connecticut. 2020. Draft integrated resources plan. [accessed 2021 Oct 04]. <https://portal.ct.gov/-/media/DEEP/energy/IRP/2020-IRP/2020-CT-DEEP-Draft-Integrated-Resources-Plan-in-Accordance-with-CGS-16a-3a.pdf>.
- State of Connecticut. 2021. Taking action on climate change and building a more resilient Connecticut for all. [accessed 2021 Oct 04]. https://portal.ct.gov/-/media/DEEP/climatechange/GC3/GC3_Phase1_Report_Jan2021.pdf.
- State of New York Public Service Commission. 2016. Order adopting a clean energy standard. 8/1/2016. [accessed 2019 Jan 29] <http://documents.dps.ny.gov/public/Common/ViewDoc.aspx?DocRefId=%7b44C5D5B8-14C3-4F32-8399-F5487D6D8FE8%7d>.
- State of Rhode Island. 2014. Chapter 42-62 Resilient Rhode Island Act of 2014- climate change coordinating council. [accessed 2019 Jan 17] <http://webserver.rilin.state.ri.us/Statutes/TITLE42/42-6.2/INDEX.HTM>.
- State of Rhode Island. 2015a. Executive Order 15-17. State agencies to lead by example in energy efficiency and clean energy. December 8. [accessed 2019 Jan 17]. <http://www.governor.ri.gov/documents/orders/ExecOrder15-17.pdf>.
- State of Rhode Island. 2015b. Energy 2035 Rhode Island state energy plan. October 8. [accessed 2019 Jan 17]. <http://www.planning.ri.gov/documents/LU/energy/energy15.pdf>.
- State of Rhode Island. 2016. Rhode Island greenhouse gas emissions reduction plan. December. [accessed 2019 Jan 17]. <http://climatechange.ri.gov/documents/ec4-ghg-emissions-reduction-plan-final-draft-2016-12-29-clean.pdf>.

- State of Rhode Island. 2017. Executive Order 17-06. Rhode Island's commitment to the principles of the Paris climate agreement. June 12. [access 2019 Jan 17].
http://www.governor.ri.gov/documents/orders/ExecOrder_17-06_06112017.pdf.
- State of Rhode Island. 2018a. Governor's climate priorities. [accessed 2019 Jan 17].
<http://climatechange.ri.gov/state-actions/governor-climate-priorities.php>.
- State of Rhode Island. 2018b. Resilient Rhody: an actionable vision for addressing the impacts of climate change in Rhode Island. [accessed 2021 Feb 10]. <http://climatechange.ri.gov/documents/resilientrhody18.pdf>.
- State of Rhode Island. 2020a. Executive Order 20-01: Advancing a 100% renewable energy future for Rhode Island by 2030. [accessed 2021 Oct 04]. <https://governor.ri.gov/sites/g/files/xkgbur236/files/2021-06/Executive-Order-20-01.pdf>.
- State of Rhode Island. 2020b. 2021 Act on climate. [accessed 2021 Oct 04]. <http://webserver.rilin.State.ri.us/BillText/BillText21/HouseText21/H5445.pdf>.
- State of Rhode Island. 2021. State transportation improvement program (STIP) 2022-2031. [accessed 2021 Oct 05]. <http://www.planning.ri.gov/planning-areas/transportation/tip-2022-2031.php>.
- Suffolk County. 2015. Suffolk County comprehensive master plan 2035. [accessed 2018 Dec 01].
<http://www.suffolkcountyny.gov/Departments/Planning/SpecialProjects/ComprehensivePlan/DownloadPlan.aspx>.
- Town and County of Nantucket. 2018a. Project and developments website. [accessed 2018 Sep 01].
<https://www.nantucket-ma.gov/1121/Projects-and-Developments>.
- Town and County of Nantucket. 2018b. Coastal resiliency on Nantucket: coastal resilience plan. [accessed 2018 Sep 01]. <https://www.nantucket-ma.gov/2030/Coastal-Resilience-Plan>.
- Town of North Kingstown. 2008. North Kingstown comprehensive plan 2008 5-year update. October 20. [accessed 2019 Jan 19]. <https://www.northkingstown.org/DocumentCenter/View/382/North-Kingstown-Comprehensive-Plan-PDF>.
- United States Army Corps of Engineers (USACE). 2018a. Corps proposes improvement dredging for Point Judith Harbor Federal Navigation Project in Narragansett. Published Sept. 19, 2018. [accessed 2019 Mar 28]. <https://www.nae.usace.Army.mil/Media/News-Releases/Article/1639371/corps-proposes-improvement-dredging-for-point-judith-harbor-federal-navigation/>.
- United States Army Corps of Engineers (USACE). 2018b. Construction tentatively scheduled to start in November 2018: Corps awards contract to dredge Plymouth Harbor Federal navigation project in Plymouth. [accessed 2019 Apr 01]. <https://www.nae.usace.army.mil/Media/News-Releases/Article/1652045/construction-tentatively-scheduled-to-start-in-november-2018-corps-awards-contr/>.
- United States Army Corps of Engineers (USACE). 2018c. Public comments on New Haven Harbor Improvement EIS study due to Corps of Engineers by Nov. 15. Published Nov. 2, 2018. [accessed

- 2019 Apr 01]. <https://www.nae.usace.army.mil/Media/News-Releases/Article/1680678/public-comments-on-new-haven-harbor-improvement-eis-study-due-to-corps-of-engin/>.
- United States Army Corps of Engineers (USACE). 2018d. Town of Dennis seeks Corps permit to dredge in Dennis, Yarmouth; dispose of material. [accessed 2019 Apr 01]. <https://www.nae.usace.army.mil/Media/News-Releases/Article/1560611/town-of-dennis-seeks-corps-permit-to-dredge-in-dennis-yarmouth-dispose-of-mater/>.
- United States Army Corps of Engineers (USACE). 2018e. Ocean dredged material disposal site database. [accessed 2018 Oct 31]. <https://odd.el.erdc.dren.mil/ODMDSSearch.cfm>.
- United States Army Corps of Engineers (USACE). 2018f. Fire Island Inlet to Montauk Point (FIMP) project. [accessed 2018 Dec 18]. <https://www.nan.usace.army.mil/Missions/Civil-Works/Projects-in-New-York/Fire-Island-to-Montauk-Point-Reformulation-Study/>.
- United States Army Corps of Engineers (USACE). 2018g. Proposed plan summary. Former NIKE Battery PR-58 and Disaster Village Training Area (DVTA) former used defense site. North Kingstown, Rhode Island. March 8. [accessed 2018 Dec 21]. http://www.quonset.com/_resources/common/userfiles/file/Public%20Notices/Final_Nike_PR58_PPMeeting_030818.pdf.
- United States Army Corps of Engineers (USACE). 2019. The Nature Conservancy seeks permit to place artificial reef array in Narragansett Bay in East Providence. [accessed 2019 Apr 01]. <https://www.nae.usace.army.mil/Media/News-Releases/Article/1742478/the-nature-conservancy-seeks-permit-to-place-artificial-reef-array-in-narragans/>.
- United States Department of Transportation (USDOT) Maritime Administration (MARAD). 2021. Marine highway projects description. [accessed 2021 Aug 26]. https://www.maritime.dot.gov/sites/marad.dot.gov/files/2021-02/AMH%20Project%20Designations%20Jan%202021_0.pdf.
- United States Department of Transportation (USDOT) Maritime Administration (MARAD). 2022. America's marine highways, grants. [accessed 2023 May 25]. <https://maritime.dot.gov/grantsfinances/marine-highways/grants>.
- United States Geological Survey (USGS). 2018. The U.S. wind turbine database (USWTDB_V1_1_20180710). [accessed Aug 2018]. <https://eerscmap.usgs.gov/uswtodb/>.
- Utility Dive. 2018. There once was an energy storage system on Nantucket. Published January 17, 2018. [accessed 2018 Nov 5]. <https://www.utilitydive.com/news/there-once-was-an-energy-storage-system-on-nantucket/513650/>.
- The White House. 2020a. Memorandum on the withdrawal of certain areas of the United States Outer Continental Shelf from leasing disposition. [accessed 2020 Sept 25]. <https://www.whitehouse.gov/presidential-actions/memorandum-withdrawal-certain-areas-united-states-outer-continental-shelf-leasing-disposition/>.
- The White House. 2020b. Presidential determination on the withdrawal of certain areas of the United States Outer Continental Shelf from leasing disposition. [accessed 2020 Oct 8].

<https://www.whitehouse.gov/presidential-actions/presidential-determination-withdrawal-certain-areas-united-states-outer-continental-shelf-leasing-disposition/>.

Verdant Power. 2018. RITE Project – FERC No. P-12611. [accessed 2018 Dec 21].
<https://www.verdantpower.com/rite>.

Vineyard Wind. 2019. Vineyard Wind announces grant to New Bedford Port Authority to advance offshore wind industry. November 25. [accessed 2020 Jan 24]. <https://www.vineyardwind.com/press-releases/2019/11/25/vineyard-wind-announces-grant-to-new-bedford-port-authority-to-advance-offshore-wind-industry>.

Washington County Regional Planning Council. 2012. Washington County transfer of development rights study: final report. [accessed 2021 Oct 5]. http://wcrpc.org/storage/WCRPC_TDR_Final%20Report_10-09-12.pdf.

K.4.6. Appendix F

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, VA: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. OCS EIS/EA BOEM 2015-031.

Bureau of Ocean Energy Management (BOEM). 2021. South Fork Wind Farm and South Fork Export Cable Project final environmental impact statement. Sterling, VA: U.S. Department of the Interior, Bureau of Ocean Energy Management. OCS EIS/EA BOEM 2020-057.

Bureau of Ocean Energy Management (BOEM). 2022. Sunrise Wind Farm biological assessment for National Marine Fisheries Service. <https://www.boem.gov/renewable-energy/state-activities/sunrise-wind>.

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, VA: U.S. Department of the Interior, Bureau of Ocean Energy Management. OCS Study BOEM 2017-088. [updated 2013 Nov 01]. Prepared in Collaboration between Gulf of Maine Research Institute and University of Maine.

Hayes SA, Josephson E, Maze-Foley K, Rosel PE. 2020. U.S. Atlantic and Gulf of Mexico marine mammal stock assessments – 2019. NOAA Tech Memo NMFS-NE 264.

Hayes SA, Josephson E, Maze-Foley K, Rosel PE, Turek J. 2021. U.S. Atlantic and Gulf of Mexico marine mammal stock assessments – 2020. NOAA Tech Memo NMFS-NE 271.

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.

Inspire Environmental (Inspire). 2022. Benthic habitat mapping to support essential fish habitat consultation. Appendix M3 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.

National Oceanic and Atmospheric Administration (NOAA). 2020. Section 7 effect analysis: turbidity in the Greater Atlantic Region. NOAA Greater Atlantic Regional Fisheries Office. [accessed 2021 Nov 11]. <https://www.fisheries.noaa.gov/new-england-mid-atlantic/consultations/section-7-effect-analysis-turbidity-greater-atlantic-region>.

Normandeau Associates, Inc. (Normandeau), Exponent Inc., Tricas T, Gill A. 2011. Effects of EMFs from undersea power cables on elasmobranchs and other marine species. Camarillo, California: U.S. Department of the Interior, Bureau of Ocean Energy Management, Regulation, and Enforcement, Pacific OCS Region. OCS Study BOEM 2011-09.

Sunrise Wind LLC (Sunrise Wind). 2023. Construction and operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 p.

Petersen Lk, Christensen TK, Kahlert J, Desholm M, Fox AD. 2006. Final results of bird studies at the offshore wind farms at Nysted and Horns Rev, Denmark. National Environmental Research Institute, Ministry of the Environment, Denmark. [accessed 2020 Sep 01]. https://tethys.pnnl.gov/sites/default/files/publications/NERI_Bird_Studies.pdf.

Skov H, Heinanen S, Norman T, Ward RM, Mendez-Roldan S, Ellis I. 2018. ORJIP bird collision and avoidance study. Final report. The Carbon Trust: United Kingdom.

Southall BL, Bowles AE, Ellison WT, Finneran JJ, Gentry RL, Greene CR Jr., Tyack PL. 2007. Marine mammal noise exposure criteria: initial scientific recommendations. *Aquatic Mammals* 33(4):411–521.

Southall BL, Nowacek DP, Bowles AE, Senigaglia V, Bejder L, Tyack PL. 2021. Marine mammal noise exposure criteria: assessing the severity of marine mammal behavioral responses to human noise. *Aquatic Mammals* 47(5):421–464.

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.

United States Coast Guard (USCG). 2020. The areas offshore of Massachusetts and Rhode Island port access route study. USCG 2019-0131. [updated 2020 May 14; accessed 2021 Oct 13]. https://www.navcen.uscg.gov/pdf/PARS/FINAL_REPORT_PARS_May_14_2020.pdf.

K.4.7. Appendix G

Bedore CN, Kajiura SM. 2013. Bioelectric fields of marine organisms: voltage and frequency contributions to detectability by electroreceptive predators. *Physiological and Biochemical Zoology* 86(3):298–311.

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.

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. NOAA Technical Memorandum NMFS-OPR-59.

Washington State Department of Transportation (WSDOT). 2020. Construction noise impact assessment. In biological assessment preparation manual. August. Available at: https://wsdot.wa.gov/sites/default/files/2018/01/18/Env-FW-BA_ManualCH07.pdf. Accessed December 7, 2020.

Popper AN, Hawkins AD, Fay RR, Mann DA, Bartol SM, Carlson T, Coombs S, Ellison WT, Gentry RL, Halvorsen M, Lokkeborg S, Rogers PH, Southall B, Zeddies DG, Tavolga WN. 2014. Sound exposure guidelines. ASA S3/SC1.4 TR-2014 sound exposure guidelines for fishes and sea turtles: a technical report prepared by ANSI-Accredited Standards Committee S3/SC1 and registered with ANSI. Springer Briefs in Oceanography. Springer, Cham.

K.4.8. Appendix H

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. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management. 9 p.

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. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 14 p.

Bureau of Ocean Energy Management (BOEM). 2022. BOEM's Draft guidelines for mitigating impacts to commercial and recreation fisheries on the outer continental shelf pursuant to 30 CFR § 585. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 12 p.

Bureau of Ocean Energy Management (BOEM). 2021. Guidelines for providing information on lighting and marking of structures supporting renewable energy development. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 9 p.

- Federal Aviation Administration (FAA). 2018. Advisory circular 70/7460-1L obstruction marking and lighting. [accessed 2023 Aug 07]. https://www.faa.gov/documentLibrary/media/Advisory_Circular/AC_70_7460-1L_-_Obstruction_Marking_and_Lighting_-_Change_2.pdf.
- LGL Ecological Research Associates, Inc (LGL Ecological Research Associates). 2022. Protected species mitigation and monitoring plan: sea turtles and ESA-listed fish species. Appendix O3 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC and Stantec Consulting Services Inc. July 2022.
- National Oceanic and Atmospheric Administration- Fisheries (NOAA Fisheries). 2018. Technical Guidance for Assessing the Effects of Anthropogenic Sound on Marine Mammal Hearing. National Oceanic and Atmospheric Administration, Department of Commerce. [accessed 2023 Nov 12]. <https://www.fisheries.noaa.gov/resource/document/technical-guidance-assessing-effects-anthropogenic-sound-marine-mammal-hearing>.
- Ørsted Offshore North America. 2021. Fisheries communication and outreach plan. Appendix B in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. October 2021.
- Sunrise Wind LLC (Sunrise Wind). 2022a. Fisheries and benthic monitoring plan. Appendix AA1 in Construction and Operations Plan Sunrise Wind Farm. April 2022.
- Sunrise Wind LLC (Sunrise Wind). 2022b. Draft protected species mitigation and monitoring plan. Appendix O2 in Construction and Operations Plan Sunrise Wind Farm. April 2022. Submitted to National Marine Fisheries Service.
- Sunrise Wind LLC (Sunrise Wind). 2022c. Petition for incidental take regulations for the construction and operation of the Sunrise Wind Offshore Wind Farm. May 2022. Prepared for Sunrise Wind LLC by LGL Ecological Research Associates, Inc. Submitted to National Marine Fisheries Service, Office of Protected Resources.
- Sunrise Wind LLC (Sunrise Wind). 2022d. Sunrise Wind benthic monitoring plan – New York State waters. Appendix AA2 in Construction and Operations Plan Sunrise Wind Farm. April 2022.
- Sunrise Wind LLC (Sunrise Wind). 2023a. Construction and operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 p.
- Sunrise Wind LLC (Sunrise Wind). 2023b. Cultural resources avoidance, minimization, and mitigation measures - confidential. Appendix Z in Construction and Operations Plan Sunrise Wind Farm. March 2023.
- United States Fish and Wildlife Service (USFWS). 2022. Range-wide Indiana bat and northern long-eared bat survey guidelines [accessed 2023 Jul 10]. <https://www.fws.gov/media/range-wide-indiana-bat-and-northern-long-eared-bat-survey-guidelines>.
- Van Parijs SM, Baker K, Carduner J, Daly J, Davis GE, Esch C, Guan S, Scholik-Schlomer A, Sisson NB, Staaterman E. 2021. NOAA and BOEM minimum recommendations for use of passive acoustic listening systems in offshore wind energy development monitoring and mitigation programs. *Frontiers in Marine Science* 8(1575).

K.4.9. Appendix I

- 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. 238 p. OCS BOEM Study 2016-034.
- 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. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. OCS Study BOEM 2021-032.
- Bureau of Ocean Energy Management (BOEM). 2022. Ocean Wind 1 Offshore Wind Farm draft environmental impact statement. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. OCS EIS/EA BOEM 2022-021.
- Cape Cod Commission. 2012. Technical Bulletin #12-001 Visual Impact Assessment Methodology for Offshore Development. [accessed 2023 Nov 11].
https://blmwyomingvisual.anl.gov/docs/Cape_Cod_VIA_Methodology.pdf.
- Environmental Design & Research, Landscape Architecture, Engineering & Environmental Service DPC (EDR). 2022a. Offshore visual impact assessment. Appendix Q1 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. November 2022.
- Environmental Design & Research (EDR). 2022b. Response to BOEM Request for Information, dated February 2, 2022.
- Environmental Design & Research (EDR). 2023. Response to BOEM Request for Information, dated June 7, 2023.
- Landscape Institute and Institute of Environmental Management and Assessment. 2016. Guidelines for landscape and visual impact assessment. Third edition.
- Sunrise Wind LLC (Sunrise Wind). 2023. Construction and operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 p.
- Sullivan RG, Kirchler LB, Cothren J, Winters SL. 2013. Offshore wind turbine visibility and visual impact threshold distances. *Environ Pract.* 15(1):33–49.
- Terrence J. DeWan & Associates Landscape Architects and Planners (TJD&A). 2021. Ocean Wind offshore wind farm construction and operation plan: Appendix L. Visual Impact Assessment.
https://www.boem.gov/sites/default/files/documents/renewable-energy/state-activities/OCW01_COP_Volume%20III_PUBLIC_202300518.pdf.

K.4.10. Appendix J

No references cited in Appendix J.

K.4.11. Appendix L

No references cited in Appendix L.

K.4.12. Appendix M

No references cited in Appendix M.

K.4.13. Appendix N

No references cited in Appendix N.

K.4.14. Appendix O

AKRF Inc., 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.

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.

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: U.S. Department of the Interior, Bureau of Ocean Energy Management. 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. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management. 9 p.

Bureau of Ocean Energy Management (BOEM). 2021. Project design criteria and best management practices for protected species associated with offshore wind data collection. [revised 2022 Nov 11; accessed 2023 Nov 21]. <https://www.boem.gov/sites/default/files/documents/PDCs%20and%20BMPs%20for%20Atlantic%20Data%20Collection%2011222021.pdf>.

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. Chen L, Coolen JWP, Scherer L, Mogollón JM, Braeckman U, Vanaverbeke J, Tukker A, Steubing B. 2023. Offshore wind energy and marine biodiversity in the North Sea: life cycle impact assessment for benthic communities. *Environmental Science & Technology* 57 (16): 6455-6464.

Chen L, Coolen JWP, Scherer L, Mogollón JM, Braeckman U, Vanaverbeke J, Tukker A, Steubing B. 2023. Offshore wind energy and marine biodiversity in the North Sea: life cycle impact assessment for benthic communities. *Environmental Science & Technology* 57 (16): 6455-6464.

- Christiansen N, Daewel U, Schrum C. 2022. Tidal mitigation of offshore wind wake effects in coastal seas. *Front. Mar. Sci.* 9:1006647.
- Confluence (Confluence Environmental Company). 2023. Revolution Wind Farm and Revolution Wind Export Cable – development and operation. Essential fish habitat assessment. Prepared for BOEM. Washington, D.C.
- 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>.
- Daewel U, Akhtar N, Christiansen N, Schrum C. 2022. Offshore wind farms are projected to impact primary production and bottom water deoxygenation in the North Sea. *Communications Earth & Environment* 3(292).
- 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. McBride RS, Smedbol RK (Eds). NOAA Tech Memo NMFS-NE-XXX. June 2020.
- de Jong K, Forland N, Amorim MCP, Rieucan G, Slabbekoorn H, Sivle LD. 2020. Predicting the effects of anthropogenic noise on fish reproduction. *Rev Fish Biol Fisheries* 30, 245–268. <https://doi.org/10.1007/s11160-020-09598-9>.
- 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.
- Dorrell RM, Lloyd CJ, Lincoln BJ, Rippeth TP, Taylor JR, Caulfield CP, Sharples J, Pollon JA, Scannel BD, Greaves DM, Hall RA, Simpson JH. 2022. Anthropogenic mixing in seasonally stratified shelf seas by offshore wind farm infrastructure. *Front. Mar. Sci.* 9, 1–25.
- Environmental Design & Research, Landscape Architecture, Engineering & Environmental Service DPC (EDR). 2022. Offshore visual impact assessment. Appendix Q1 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. November 2022.
- Exponent Engineering P.C. 2022. Onshore DC and AC magnetic field assessment. Appendix J2 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.
- Federal Maritime and Hydrographic Agency, Helmholtz-Zentrum Hereon (BSH and Hereon). 2022. Chemical emissions from offshore wind farms. Summary of the project OffCEm. [accessed 2023 May 25]. <https://tethys.pnnl.gov/author/federal-maritime-hydrographic-agency>.
- 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.

- Goodale MW, Gilbert AT, Stenhouse IJ. 2022. Sunrise Wind avian and bat post-construction monitoring framework. Appendix P2 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC and Stantec Consulting Services Inc. August 2022.
- 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.
- Harsanyi P, Scott K, Easton BA, de la Cruz Ortiz G, Chapman EN, Piper AR, Rochas CV, Lyndon AR. 2022. The effects of anthropogenic electromagnetic fields (EMF) on the early development of two commercially important crustaceans, European lobster, *Homarus gammarus* (L.) and edible crab, *Cancer pagurus* (L.). *J. Mar. Sci. Eng.* 10(5):564-581.
- Hastings MC, Popper AN. 2005. Effects of sound on fish (Report No. 43A0139). Prepared for California Department of Transportation. 82 p.
- Hawkins, A. 2022. The importance of sound to the Atlantic cod, *Gadus morhua*, and the Atlantic haddock, *Melanogrammus aeglefinus*. *J. Acoust. Soc. Am.* 1 September 2022; 152 (3): 1605–1614. <https://doi.org/10.1121/10.0013994>.
- Hirsch ND, DiSalvo LH, Peddicord R. 1978. Effects of dredging and disposal on aquatic organisms. Vicksburg, Mississippi: U.S. 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.
- 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.
- 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.
- Kraus C, Carter L. 2018. Seabed recovery following protective burial of subsea cables - observations from the continental margin. *Ocean Engineering* 157:251-261.
- 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. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management. Report No. OCS Study BOEM 2016-054.
- 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.
- Loring PH, McLaren JD, Smith PA, Niles LJ, Koch SL, Goyert HF, Bai H. 2018. Tracking movements of threatened migratory rufa red knots in U.S. Atlantic Outer Continental Shelf waters. Sterling, Virginia: U.S. Department of the Interior, Bureau of Ocean Energy Management, Office of Renewable Energy Programs. 147 p. Report No.: BOEM 2018-046.

- 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.
- McGrew KA, Crowell SE, Fiely JL, Berlin AM, Olsen GH, James J, Hopkins H, Williams CK. 2022. Underwater hearing in sea ducks with applications for reducing gillnet bycatch through acoustic deterrence. *Journal of Experimental Biology* 225(20). 10.1242/jeb.243953.
- 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 Marine Fisheries Service (NMFS). 2022. Multi-species pile driving calculator. Version 1.2. Excel file. Updated August 2022. [accessed 2022 Oct 15]. https://media.fisheries.noaa.gov/2022-09/BLANK%20Multi-Species%20%28AUGUST%202022b%29%20PUBLIC_508_OPR1.xlsx.
- National Park Service (NPS). 2017. The secretary of the interior's standards for the treatment of historic properties with guidelines for preserving, rehabilitating, restoring & reconstructing historic buildings. [accessed 2023 Nov 21]. <https://www.nps.gov/orgs/1739/upload/treatment-guidelines-2017-part1-preservation-rehabilitation.pdf>
- National Park Service (NPS). 2021a. 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>.
- National Park Service (NPS). 2021b. Section 110 of the National Historic Preservation Act. Available at: <https://www.nps.gov/fpi/Section110.html>. Accessed April 29, 2021.
- National Renewable Energy Laboratory (NREL). 2021. Life cycle greenhouse gas emissions from electricity: update. [accessed 2023 Nov 11]. <https://www.nrel.gov/docs/fy21osti/80580.pdf>.
- 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.
- 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: U.S. Department of the Interior, Bureau of Ocean Energy Management. 116 p.
- Ordtek. 2022. Munitions and explosives of concern and unexploded ordinance with risk assessment and risk mitigation strategy confidential. Appendix G2 in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.

- Ørsted Offshore North America. 2021. Fisheries communication and outreach plan. Appendix B in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. October 2021.
- 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.
- Pinsky ML, Selden RL, Kitchel ZJ. 2020. Climate-driven shifts in marine species ranges: scaling from organisms to communities. Annual Review of Marine Science 12: 153-179.
- Popper AN, Hawkins AD, Fay RR, Mann DA, Bartol SM, Carlson T, Coombs S, Ellison WT, Gentry RL, Halvorsen M, Lokkeborg S, Rogers PH, Southall B, Zeddies DG, Tavolga WN. 2014. Sound exposure guidelines. ASA S3/SC1.4 TR-2014 sound exposure guidelines for fishes and sea turtles: a technical report prepared by ANSI-Accredited Standards Committee S3/SC1 and registered with ANSI. Springer Briefs in Oceanography. Springer, Cham.
- 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, U.S.A: 1980 and 2011. Aquatic Mammals 42(3):357-362.
- Rhode Island Coastal Resources Management Council (RICRMC). 2010. Rhode Island ocean special area management plan (SAMP), volumes 1 and 2. Prepared for the Coastal Resources Management Council. Providence, Rhode Island. Coastal Resources Center, University of Rhode Island, Narragansett, Rhode Island.
- 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.
- Siddagangaiah S., Chen CF, Hu WCM, Pieretti N. 2022. Impact of pile-driving and offshore windfarm operational noise on fish chorusing. Remote Sensing in Ecology and Conservation, 8: 119-134. <https://doi.org/10.1002/rse2.231>.
- Sigray P, Linné M, Andersson MH, Nöjd A, Persson LKG, Gill AB, Thomsen F. 2022. Particle motion observed during offshore wind turbine piling operation. Marine Pollution Bulletin 180.10.1016/j.marpolbul.2022.113734.
- Solé M, De Vreese S, Fortuño JM, van der Schaar M, Sánchez AM, André M. 2022. Commercial cuttlefish exposed to noise from offshore windmill construction show short-range acoustic trauma. Environmental Pollution: 312. <https://doi.org/10.1016/j.envpol.2022.119853>.
- Stanley JA, Caiger PE, Phelan B, Shelledy K, Mooney TA, Van Parijs SM. 2020. Ontogenetic variation in the auditory sensitivity of black sea bass (*Centropristis striata*) and the implications of anthropogenic sound on behavior and communication. Journal of Experimental Biology 223 (13): jeb219683. <https://doi.org/10.1242/jeb.219683>.

- Stantec Consulting Services Inc. 2022. Offshore Ecological assessment and field survey report confidential. Appendix L in Construction and Operations Plan Sunrise Wind Farm. Prepared for Sunrise Wind LLC. August 2022.
- Sunrise Wind LLC (Sunrise Wind). 2022a. Fisheries and benthic monitoring plan. Appendix AA1 in Construction and Operations Plan Sunrise Wind Farm. April 2022.
- Sunrise Wind LLC (Sunrise Wind). 2022b. Sunrise Wind benthic monitoring plan – New York State waters. Appendix AA2 in Construction and Operations Plan Sunrise Wind Farm. April 2022.
- Sunrise Wind LLC (Sunrise Wind). 2023a. Boulder relocation plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted in response to RFI received on January 11, 2023. February 2023.
- Sunrise Wind LLC (Sunrise Wind). 2023b. Construction and operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 p.
- 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.
- United States Environmental Protection Agency (USEPA). 2006. Regional benefits analysis for the final section 316(b) phase III existing facilities rule. [accessed 2023 Nov 21]. https://www.epa.gov/sites/default/files/2015-04/documents/cooling-water_phase-3_regional-benefits_2006.pdf.
- Van Hoeck RV, Rowell TJ, Dean MJ, Rice AN, Van Parijs SM. 2023. Comparing Atlantic cod temporal spawning dynamics across a biographic boundary: insight from passive acoustic monitoring. *Marine and Coastal Fisheries* 15(2).

K.4.15. Appendix P

- Sunrise Wind LLC (Sunrise Wind). 2023. Construction and operations plan. Sunrise Wind Farm Project. Prepared by Stantec Consulting Services Inc. Submitted to Bureau of Ocean Energy Management. September 2023. 945 p.