Abbreviated Curriculum vitae(s) of Key Project Personnel

Keith Joseph Dunton, Ph.D. – Associate Professor
Biology Department, School of Science, Monmouth University, West Long Branch, NJ 07764
Office Phone: (732) 571-4432 email: kdunton@monmouth.edu

EDUCATION

Ph.D. 2014: Marine and Atmospheric Sciences. School of Marine and Atmospheric Sciences Stony Brook University, Stony Brook, New York.

M.S. 2005: Marine and Atmospheric Sciences. School of Marine and Atmospheric Sciences, Stony Brook University, Stony Brook, New York.

B.S. 2001: Biology. Stony Brook University, Stony Brook, New York

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POSITIONS

2021- Present: Associate Professor of Conservation Biology, Department of Biology, School of Science, Monmouth University, West Long Branch, NJ.

2015- 2021: Assistant Professor of Conservation Biology, Department of Biology, School of Science, Monmouth University, West Long Branch, NJ.

2014 – 2015: Postdoctoral Associate and Co-Principle Investigator, College of Agriculture and Related Sciences, Delaware State University, Dover, DE.

2009 – 2014: Co-Principle Investigator/Graduate Research Assistant, School of Marine and Atmospheric Sciences, Stony Brook University, Stony Brook, NY.

2005– 2009: Research Scientist, School of Marine and Atmospheric Sciences, Stony Brook University, Stony Brook, NY.

PROJECT RELATED PUBLICATIONS

Stoeckle, M.Y., Adolf, J., Ausubel, J.H., Charlop-Powers, Z., **Dunton, K.J**. and Hinks, G., 2022. Current laboratory protocols for detecting fish species with environmental DNA optimize sensitivity and reproducibility, especially for more abundant populations. ICES Journal of Marine Science.15.

Dunton, K.J., K. Sparta, C.M. Martinez, M.G. Frisk, O.N.Shipley. 2021. First observation of movement rates and repeated migration in a Western Atlantic torpedo ray (*Tetronarce occidentalis*, Storer, 1843)in the northwest Atlantic Ocean. Northeastern Naturalist 28(2): N7.

Stoeckle, M.Y., J. Adolf, Z. Charlop-Powers, **K.J. Dunton**, G. Hinks. S.M. Vanmorter. 2020. Trawl and eDNA Assessment of Marine Fish Diversity, Seasonality, and Relative Abundance in Coastal New Jersey, U.S.A. ICES Journal of Marine Sciences. doi:10.1093/icesjms/fsaa225

Rulifson, R.A., C.W. Bangley, J.L. Cudney, A. Dell'Apa, **K.J. Dunton**, M.G. Frisk, M.S. Loeffler, M.T. Balazik, C. Hager, T. Savoy, H.M. Brundage, and W.C. Post. 2020. Seasonal Presence of Atlantic Sturgeon and Sharks at Cape Hatteras, a Large Continental Shelf Constriction to Coastal Migration. Marine and Coastal Fisheries, 12:308–321

Ingram, E.C., R.M. Cerrato, **K.J. Dunton**, and M.G. Frisk. 2019. Endangered Atlantic sturgeon in the New York Wind Energy Area: implications of future development in an offshore wind energy site. Scientific Reports 9: 12432.

Frisk, M.G., O.N. Shipley, C.M. Martinez, K.A. McKown, J.P. Zacharias, and **K.J. Dunton**. 2019. First observations of long-distance migration in a large skate species, *Leucoraja ocellata*: Implications for population connectivity, ecosystem dynamics, and management. Marine and Coastal Fisheries 11(202):202-212.

Fox, A.G., E. S. Stowe, **K.J. Dunton**, and D. L. Peterson. 2018. Seasonal Occurrence of Atlantic Sturgeon in the St. Johns River, Florida. Fisheries Bulletin 116: 219-227.

Melnychuk, M.M., **Dunton, K.J.**, A. Jordaan, K.A McKown, and M.G. Frisk. Developing conservation strategies for the endangered Atlantic sturgeon using acoustic telemetry and multi-state mark-recapture models. *Proposed Journal: Conservation Biology*

Dunton, K.J., A. Jordaan, D. Secor, T. Kehler, K. Hattela, J. Van Eenennam, M. Fisher, K.A. McKown, D.O. Conover and M.G. Frisk. 2016. Age structure and growth rate of the endangered Atlantic sturgeon in coastal waters of the New York Bight. *North American Journal of Fisheries Management.*

Breece, M.W., D.A. Fox, **K.J. Dunton**, M.G. Frisk, A. Jordaan, and M.J. Oliver. 2016. Dynamic Seascapes Predict the Marine Occurrence of an Endangered Species: Atlantic Sturgeon *Acipenser oxyrinchus oxyrinchus.*

Dunton, K.J., A. Jordaan, K.A McKown, L.A. Bonacci, D.O. Conover, and M.G. Frisk. 2015. Marine distribution and habitat use of Atlantic sturgeon (*Acipenser oxyrinchus*) in New York leads to fisheries interactions and bycatch. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystems,* 7:18-32.

Tomichek, C., J. Colby, M.A. Adonizio, **K.J Dunton**, M.G. Frisk, D. Fox, and A. Jordaan. 2014. Tagged speciesdetection: approach to monitoring marine species at marine hydrokinetics projects. *Proceedings of the 2nd Marine Energy Technology Symposium*. Seattle, WA, 2014. 8 pages.

O'Leary S.L., **K.J. Dunton**, T.L. King, D. Chapman, and M.G. Frisk. 2014. Genetic diversity and effective size of Atlantic sturgeon, *Acipenser oxyrinchus oxyrinchus*, river spawning populations estimated from the microsatellite genotypes of marine-captured juveniles. *Conservation Biology* 15: 1173-1181.

Dunton, K.J., D. Chapman, A. Jordaan, K. Feldheim, S.L. O'Leary, K.A. McKown, and M.G. Frisk. 2012. Genetic mixed-stock analysis of Atlantic sturgeon (*Acipenser oxyrinchus oxyrinchus*) in a heavily impacted marine habitat indicates the need for routine genetic monitoring. *Journal of Fish Biology* 80: 207–217

Dunton, K.J., A. Jordaan, K.A. McKown, M.G. Frisk, and D.O. Conover. 2010. Abundance and distribution of Atlantic sturgeon (*Acipenser oxyrinchus*) within the Northwest Atlantic Ocean: spatial and habitat analyses of five fishery-independent surveys. *Fisheries Bulletin* 108: 450-465.

PRESENTATIONS:

Over 47 Contributed presentations at scientific conferences, with most revolving around Atlantic sturgeon and coastal sharks.

Dr. Jason Earl Adolf

Monmouth University Biology Department and Urban Coast Institute
jadolf@monmouth.edu
Google Scolar profile: https://scholar.google.com/citations?user=5U1ptnAAAAAJ&hl=en

(A) Professional Preparation

Roger Williams College	Marine Biology	B.S.	1993
University of Hawai'i at Manoa	Botany	M.S.	1996
University of Maryland College Park	Biol. Oceanography	Ph.D.	2002

Postdoctoral training:

UMD Horn Point Laboratory	Phytoplankton Ecology	2002-2004
UMD Center of Marine Biotechnology	Phytoplankton Ecology	2004-2008

My **research interests** are in the field of marine and phytoplankton ecology and harmful algal blooms. Particularly, understanding the environmental conditions and mechanisms that drive changes in community composition, and how these changes impact the functioning of marine and aquatic ecosystems.

(B) Appointments

2017 – pres.: Endowed Associate Professor of Marine Science, Monmouth University
2013 – 2017: Associate Professor and Chair, Marine Science, University of Hawaii Hilo, HI
2008 – 2013: Assistant Professor, Marine Science, University of Hawaii Hilo, HI
2006 – 2008: Adj. Assistant Professor, Environmental Science, Gettysburg College, PA
2004 – 2008: Assistant Research Scientist, UMBI COMB
2003 – 2004: Assistant Research Scientist, Horn Point Laboratory
2001 – 2002: Maryland Sea Grant Traineeship, Horn Point Laboratory
1996 – 2001: Grad. Research Asst., Horn Point Laboratory
1994 – 1996: Grad. Research Asst., Dept. of Chemistry, University of Hawaii Manoa
1993: Teaching Assistant, Department of Biology, University of Hawaii Manoa

(C) Relevant peer-reviewed papers (abbreviated list. 40 total. * = undergraduate co-author)

*Badlowski, G.A., **Adolf, J.E.**, and Fouad, G. 2021. Spatial analysis of water quality parameters in Hilo Bay, Hawai'i using a combination of interpolated surfaces and hot spot analysis. *Env. Mon. Assessment* Published online Feb 10, 2021 https://doi.org/10.1007/s10661-021-08894-6

Stoeckle, M.Y., **Adolf, J.E.**, Charlop-Powers, Z., Dunton, K.J., Hinks, G., VanMorter, S.M. 2020. Trawl and eDNA assessment of marine fish diversity, seasonality, and relative abundance in coastal New Jersey, USA. *ICES J Mar Sci.* pp. 1-12. doi:10.1093/icesjms/fsaa225

**Adolf, J.E., ***Salduti, K., *Conlon. E., Ernst, E., Heddendorf, B., Shifren, S., and Schuster, R. (*under review*). Nitrogen-limited harmful algal blooms in Deal Lake, New Jersey. In revision.

Harding, L.W. Jr, Mallonnee, M.E., Perry, E.S., Miller, W.D., **Adolf, J.E.**, Gallegos, C.L., and pearl, H.W. 2020. Seasonal to interannual variability of primary production in Chesapeake

Bay: Prospects to reverse eutrophication and change trophic classification. Scientific Reports. 10(1): 1-20.

Adolf, J.E., Burns, J., Walker, J.K., and Gamiao, S. 2019. Near shore distributions of phytoplankton and bacteria in relation to submarine groundwater discharge-fed fishponds, Kona coast, Hawai'i, USA. Est. Coast. Shelf Sci. 219:341-353.

Harding, L.W. Jr., Mallonnee, M.E., Perry, E.S., Miller, W.D., **Adolf, J.E.**, Gallegos, C.L., and Paerl, H.W. 2019. Long-term trends, current status, and transitions of water-quality in Chesapeake Bay. *Scientific Reports* (Published online April 30, 2019) 9:6709 https://doi.org/10.1038/s41598-019-43036-6

Shamshirbrand, S., Nodoushan, E.J., **Adolf, J.E.**, Manaf, A.A., Mosavi, A., and Chau, K.-W. 2019. Ensemble models with uncertainty analysis for multi-day ahead forecasting of chlorophyll *a* concentration in coastal waters. *Eng. App. Comp. Fluid Mech.* 13(1):91-101.

Alizadeh, M.J., Kavianpour, M.R., Danesh, M., **Adolf, J.E.**, Shamshirbrand, S., and Chau,, K.-W. 2018. Effects of river flow on the quality of estuarine and coastal waters using machine learning models. *Eng. App. Comp. Fluid Mech.* 12(1):810-823.

Adolf, J.E., Yeager, C.L., Mallonee, M.E., Miller, W.D., and Harding, L.W. Jr. 2006a. Environmental forcing of phytoplankton floral composition, biomass, and primary productivity in Chesapeake Bay, USA. *Estuarine, Coastal and Shelf Science* 67:108-122.

(book chapter)

Adolf, J.E., Parrow, M.W., and Place, A.R. 2020. '*Karlodinium veneficum*: still blooming and still toxic sixty-two years later' In: D.V. Subba Rao [Ed.] *Dinoflagellates: classification, evolution, physiology, and ecological significance.* Nova Science Publishers, Inc., New York

(D) Synergistic Activities

(1) Leader of Monmouth University Phytoplankton and Harmful Algal Blooms undergraduate research lab (2017-present); (2) Teaching undergraduate courses in marine biology, biological oceanography and research methods at Monmouth University; (3) extensive and ongoing experience conducting research with undergraduate students, including operation and maintenance of ocean observing systems; (4) affiliate of Monmouth University Urban Coast Institute; (5) Established and coordinates the Coastal lakes Observing Network (CLONet), a participatory citizen science water quality and HAB monitoring program; (6) Co-leader NJ HAB and Lake Management Expert Team; (7) Part 107 FAA certified drone pilot (sUAS)

JEFF KNEEBONE, PhD

Research Scientist; Anderson Cabot Center for Ocean Life; New England Aquarium
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617-226-2424 (office); 603-969-2138 (cell)
jkneebone@neaq.org

EDUCATION

University of New Hampshire - B.S. Marine and Freshwater Biology, May 2003; GPA – 3.95
University of New Hampshire - M.S. Zoology, December 2005; GPA – 4.00
Thesis Title: *Using bomb radiocarbon analyses to validate age and growth estimates for the tiger shark, Galeocerdo cuvier, in the western North Atlantic*
University of Massachusetts Dartmouth, School for Marine Science and Technology - PhD Marine Science and Management, January 2013; GPA – 3.98
Dissertation Title: *Spatial ecology and capture physiology of juvenile sand tiger sharks (Carcharias taurus) in the western North Atlantic*

PROFESSIONAL AND RESEARCH EXPERIENCE

New England Aquarium; Anderson Cabot Center for Ocean Life –Research Scientist (September 2015–Present)
University of Massachusetts Dartmouth School for Marine Science and Technology – Assistant Research Technician (February 2015–August 2015)
Zeptometrix Corporation, Franklin, Massachusetts - Technician (January 2008–December 2017)
A.I.S. Inc., New Bedford, MA - Fisheries Technician (February 2014–November 2014)
Massachusetts Division of Marine Fisheries (independent contractor) - Striped Bass Telemetry Data Analyst (January 2013–January 2014); Research Assistant (June 2012/2014–October 2012/2014)
University of New Hampshire, Durham, NH - Research Associate, Animal Science Department (January 2005–August 2008)
University of Massachusetts Amherst - Research Technician (June 2011–December 2011)

SELECTED PEER REVIEWED PUBLICATIONS

Kneebone, J., D.E. Ferguson, J.A. Sulikowski, and P.C.W. Tsang. 2007. Endocrinological investigation into the reproductive cycles of two sympatric skate species, *Malocoraja senta* and *Amblyraja radiata*, in the western Gulf of Maine. Environmental Biology of Fishes 80:257–265.

Kneebone, J., L.J. Natanson, A.H. Andrews, and W.H. Howell. 2008. Using bomb radiocarbon analyses to validate age and growth estimates for the tiger shark, *Galeocerdo cuvier*, in the western North Atlantic. Marine Biology 154:423–434.

Kneebone, J., J. Chisholm, and G.B. Skomal. 2012. Seasonal residency, habitat use, and site fidelity of juvenile sand tiger sharks (*Carcharias taurus*) in a Massachusetts estuary. Marine Ecological Progress Series 471:165–181.

Kneebone, J., J. Chisholm, D. Bernal, and G. Skomal. 2013. The physiological effects of capture stress, recovery, and the post-release survivorship of juvenile sand tigers (*Carcharias taurus*) caught on rod and reel. Fisheries Research 147:103–114.

Kneebone, J., J. Chisholm, and G. Skomal. 2014. Movement patterns of juvenile sand tigers (*Carcharias taurus*) along the east coast of the United States. Marine Biology 161:1149–1163.

Kneebone, J., W.S. Hoffman, M.J. Dean, and M.P. Armstrong. 2014. Movements of striped bass between the Exclusive Economic Zone and Massachusetts state waters. North American Journal of Fisheries Management 34:524-534.

Kneebone, J., W.S. Hoffman, M.J. Dean, D.A. Fox, and M.P. Armstrong. 2014. Movement patterns and stock composition of adult striped bass in Massachusetts coastal waters. Transactions of the American Fisheries Society 143:1115-1129.

Kneebone, J., Winton, M., Danylchuk, A., Chisholm, J. and Skomal, G.B., 2018. An assessment of juvenile sand tiger (*Carcharias taurus*) activity patterns in a seasonal nursery using accelerometer transmitters. Environmental Biology of Fishes 101(12):1739-1756.

Kneebone, J., Sulikowski, J., Knotek, R., McElroy, W.D., Gervelis, B., Curtis, T., Jurek, J. and Mandelman, J., 2020. Using conventional and pop-up satellite transmitting tags to assess the horizontal movements and habitat use of thorny skate (*Amblyraja radiata*) in the Gulf of Maine. ICES Journal of Marine Science. 77: 2790–2803.

Kneebone, J., H. Bowlby, J.J. Mello, C.T. McCandless, L.J. Natanson, B. Gervelis, G.B. Skomal, N. Kohler, and D. Bernal. 2020. Seasonal distribution and habitat use of the common thresher shark (*Alopias vulpinus*) in the western North Atlantic Ocean inferred from fisheries-dependent data. Fisheries Bulletin. 118:399–412.

SELECTED SCIENTIFIC PRESENTATIONS AND OUTREACH

February 2017: Animal Tracking Network Workshop, Annapolis, MD (oral)
April 2017: Lecturer, Spring Lecture Series, New England Aquarium, Boston, MA
May 2017: Speaker, High School Education Symposium, University of Rhode Island
January 2018: Southern New England Chapter American Fisheries Society Winter meeting (oral)
August 2018: 148th American Fisheries Society Meeting, Atlantic City, NJ (poster and oral)
May 2019: 70th meeting of The Tuna Conference, Lake Arrowhead, CA (oral)
Winter 2018/2019: Speaker, Castafari Offshore Fishing Seminar, Quincy, MA
November 2019: Speaker, Nantasket Beach Lecture Series, Hull, MA
March 2021: Speaker, Stellwagen Bank Charterboat Association monthly meeting

POSITIONS HELD ON FISHERY MANAGEMENT ENTITIES

New England Fishery Management Council Skate Advisory Panel – January 2020 to present
U.S. ICCAT Advisory Committee (Technical advisor) – January 2019 to present

School of Marine and Atmospheric Sciences, Stony Brook University, Stony Brook, New York
Email: micahel.frisk@stonybrook.edu; Phone: 631-632-3750

Education: Ph.D. 2004. Marine, Estuarine and Environmental Science. University of Maryland, College Park, Maryland. Dissertation Title: Biology, life history and conservation of elasmobranchs with an emphasis on western Atlantic skates. Advisor Dr. Thomas J. Miller.

Professional Experience:

2006-present Professor, School of Marine and Atmospheric Sciences, Stony Brook University, Stony Brook, NY.

2004-2006 Post-doctoral researcher, UBC Fishery Centre, University of British Columbia, Vancouver, British Columbia.

Recent Publications:

Ye, Xiayan, C. Lee, O.N. Shipley, M.G. Frisk, and N.S. Fisher (Accepted). Risk assessment for seafood consumers exposed to mercury and other trace elements in fish from Long Island, New York, USA. Marine Pollution Bulletin.

Siskey, M.R and M.G. Frisk (2021). The relative influence of age structure, predation, and temperature on stock-recruitment dynamics: a case study of southern New England/mid-Atlantic winter flounder (*Pseudopleuronectes americanus*). Marine and Coastal Fisheries. 13:583–599.

Dolan, T. E., M. G. Frisk, Cerrato, R., and A. E. McElroy. (2021). Environmental factors modify post-settlement survival and growth of winter flounder (*Pseudopleuronectes americanus*) in the absence of predation. Marine Ecology Progress Series. 676:57-75 (2021).

Bopp, J. J., M. Sclafani, M. G. Frisk, K. McKown, C. Zeigler, D. R. Smith, and R. M. Cerrato. (Accepted). Quantifying seasonal space-use and migration patterns of American horseshoe crabs (*Limulus polyphemus*) across multiple population demographics. Ecosphere. 12(10):e03811. 10.1002/ecs2.3811.

Dias, B.S., M.G., Frisk and A. Jordaan (2021). Contrasting fishing effort reduction and habitat connectivity as management strategies to promote alewife (*Alosa pseudoharengus*) recovery using an ecosystem model. Limnology and Oceanography 9999, 2021, 1–18.

Dunton, K.D., K. Sparta, M.G. Frisk, C.M. Martinez, and O.N. Shipley (2021). First Observation of Movement Rates and Repeated Migration in a Western Atlantic Torpedo (*Tetronarce occidentalis*) in the Northwest Atlantic. Northeastern Naturalist 28(2):N7-N14.

Dolan, T. E., A. E. McElroy, R. Cerrato, L. A. Hice-Dunton, C. Ziegler-Fede, and M. G. Frisk. (Accepted). Winter Flounder navigate the post-settlement gauntlet with bet-hedging strategy. Marine and Coastal Fisheries 13:435–449.

Shipley O.N., G.A. Henkes, J. Gelsleichter, C. Morgan, E.V. Schneider, B. Talwar, M.G. Frisk (2021). Shark tooth collagen stable isotopes (δ15N and δ13C) as ecological proxies. Journal of Animal Ecology 90 (9), 2188-2201.

Cernadas-Martín, S., K. J. Rountos, J. A. Nye, M. G. Frisk, and E. K. Pikitch. (Accepted). Composition and intraspecific variability in Summer flounder (*Paralichthys dentatus*) diets in a eutrophic estuary. Frontiers in Marine Science.

Roose, H., G. Paterson, M.G. Frisk, R.M. Cerrato, P. Nitschke., and J.A. Olin (2021). Regional variation in mercury bioaccumulation among NW Atlantic Golden (*Lopholatilus chamaeleonticeps*) and Blueline (*Caulolatilus microps*) Tilefish. Environmental Pollution 284, 117177.

Olin, J.A., O.N. Shipley, R.M. Cerrato, P. Nitschke, C. Magen, M.G. Frisk (2021). Separation of Eltonian niches among sympatric Tilefishes provides insight into potential drivers of co-occurrence in the NW Atlantic. Ecology and Evolution.

Shipley, O. N., A. H. Newton, M. G. Frisk, G. A. Henkes, J. LaBelle, M. Camhi, M. Hyatt, H. Walters, and J. A. Olin. (2021). Telemetry validated nitrogen stable isotope clocks identify ocean-to-estuarine habitat shifts in mobile organisms. Methods in Ecology and Evolution.

Shipley, O.N., Kelly, J., Bizzarro, J., Cerrato, R., Olin, J. A., Power, M., Frisk, M. G. (2021) Evolution of realized Eltonian niches across Rajidae species. Ecosphere 12 (2), e03368

Gallagher, A.J., O.N. Shipley, M.P.M. van Zinnicq Bergmann, J.W Brownscombe, C.P. Dahlgren, M.G. Frisk, L.P. Griffin, N. Hammerschlag, S.K., Y.P. Papastamatiou, B.D. Shea, S.T. Kessel, C.M. Duarte (2021). Spatial Connectivity and Drivers of Shark Habitat Use Within a Large Marine Protected Area in the Caribbean, The Bahamas Shark Sanctuary. Frontiers in Marine Science 7, 1223.

Siskey, M.R., **M.G. Frisk,** R.M. Cerrato, and K.E. Limburg (2020). Redefining spatial population structure of winter flounder (*Pseudopleuronectes americanus*): implications for stock assessment and management. *Canadian Journal of Fisheries and Aquatic Sciences 77(7): 1189-1200*.

Rulifson, R.A., C.W. Bangley, J.L. Cudney, A. Dell'Apa, K.J. Dunton, **M.G. Frisk**, M.S. Loeffler, M.T. Balazik, C. Hager, T. Savoy, H.M. Brundage, and W.C. Post. *In Press.* Seasonal Presence of Atlantic Sturgeon and Sharks at Cape Hatteras, a Large Continental Shelf Constriction to Coastal Migration. Marine and Coastal Fisheries, Article DOI: 10.1002/mcf2.10111

Ingram, E.C., R.M. Cerrato, K.J. Dunton, and **M.G. Frisk**. 2019. Endangered Atlantic sturgeon in the New York Wind Energy Area: implications of future development in an offshore wind energy site. Scientific Reports 9: 12432.

Frisk, M.G., O.N. Shipley, C.M. Martinez, K.A. McKown, J.P. Zacharias, and K.J. Dunton. 2019. First observations of long-distance migration in a large skate species, *Leucoraja ocellata*: Implications for population connectivity, ecosystem dynamics, and management. Marine and Coastal Fisheries 11(202):202-212.

Dunton, K.J., A. Jordaan, K.A McKown, and **M.G. Frisk**. Spatial-temporal habitat use, residency, and rate of movement of sub-adult Atlantic sturgeon, *Acipenser oxyrinchus oxyrinchus*, within the Mid-Atlantic Bight. *Proposed Journal: Transactions in American Fisheries.*

Dunton*, K.J., A. Jordaan, D. Secor, T. Kehler, K. Hattela, J. Van Eenennam, M. Fisher, K.A. McKown, D.O. Conover and **M.G. Frisk** (In Press). Age structure and growth rate of the endangered Atlantic sturgeon in coastal waters of the New York Bight. Target journal: *Marine and Coastal Fisheries*.

Breece, M.W., D.A. Fox, K.J. Dunton, **M.G. Frisk**, A. Jordaan, and M.J. Oliver. *In Press.* Dynamic Seascapes Predict the Marine Occurrence of an Endangered Species: Atlantic Sturgeon *Acipenser oxyrinchus oxyrinchus.*

Dunton*, K.J., A. Jordaan**, D.O. Conover, K.A. McKown, L.A. Bonacci and **M.G. Frisk** (2015). Marine distribution and habitat use of Atlantic Sturgeon (*Acipenser oxyrinchus oxyrinchus*) in New York leads to fisheries interactions and bycatch. *Marine and Coastal Fisheries: Dynamics, Management, and Ecosystem Science* 7:18–32, 2015.

McCauley*, M.M., Cerrato, R.M., Sclafani, M., **Frisk, M.G.** (2014) Diel Behavior in White Perch Revealed using Acoustic Telemetry. *Transactions of the American Fisheries Society* 143, 1330-1340.

Frisk, M.G., Jordaan**, A., and T.J. Miller (2014). Moving beyond the current paradigm in marine population connectivity: Are adults the missing link? *Fish and Fisheries*, 15(2): 242-254.

O'Leary, S.J., K.J. Dunton*, T.L. King, **M.G. Frisk** and C.D. Demian (2014). Genetic diversity and effective number of breeders of Atlantic sturgeon, *Acipenser oxyrhinchus oxyrhinchus*. *Conservation Genetics* 15(5):1173-1181.

References

Bangley CW, Whoriskey FG, Young JM, Ogburn MB. Networked animal telemetry in the northwest Atlantic and Caribbean waters. Marine and Coastal Fisheries. 2020 (5):339-47.

BOEM. (2019). Guidelines for Providing Information on Fisheries for Renewable Energy Development on the Atlantic Outer Continental Shelf Pursuant to 30 CFR Part 585.

Bopp, J. J., M. Sclafani, M. G. Frisk, K. McKown, C. Ziegler-Fede, D. R. Smith, and R. M. Cerrato. 2021. Telemetry reveals migratory drivers and disparate space use across seasons and age-groups in American horseshoe crabs. Ecosphere 12(10):e03811. 10.1002/ecs2.3811.

Brousseau, L.J., Sclafani, M., Smith, D.R. and Carter, D.B., 2004. Acoustic-tracking and radio-tracking of horseshoe crabs to assess spawning behavior and subtidal habitat use in Delaware Bay. *North American Journal of Fisheries Management*, *24*(4), pp.1376-1384.

Dunton, K.J. (2014) Population dynamics of juvenile Atlantic Sturgeon, *Acipenser oxyrinchus oxyrinchus*, within the northwest Atlantic Ocean.Doctoral dissertation. PhD, Stony Brook University

Haulsee DE, Fox DA, Oliver MJ. Occurrence of Commercially Important and Endangered Fishes in Delaware Wind Energy Areas Using Acoustic Telemetry. Lewes (DE): US Department of the Interior, Bureau of Ocean Energy Management. OCS Study BOEM. 2020;20:80.

Ingram EC, Cerrato RM, Dunton KJ, Frisk MG. Endangered Atlantic Sturgeon in the New York Wind Energy Area: implications of future development in an offshore wind energy site. Scientific reports. 2019 Aug 27;9(1):1-3.

James-Pirri, M.-J. (2010). Seasonal movement of the American horseshoe crab Limulus polyphemus in a semi-enclosed bay on Cape Cod, Massachusetts (USA) as determined by acoustic telemetry. Current Zoology, 56(5), 575-586.

Levesque, J.C., (2019). Spatio-temporal patterns of the oceanic conditions and nearshore marine community in the Mid-Atlantic Bight (New Jersey, USA). PeerJ, 7, p.e7927

Melnychuk MC, Dunton KJ, Jordaan A, McKown KA, Frisk MG. Informing conservation strategies for the endangered A tlantic sturgeon using acoustic telemetry and multi-state mark–recapture models. Journal of Applied Ecology. 2017 Jun;54(3):914-25.

Methratta ET. Monitoring fisheries resources at offshore wind farms: BACI vs. BAG designs. ICES Journal of Marine Science. 2020 May 1;77(3):890-900.
New Jersey Department of Environmental Protection Ecological Baseline Studies (NJDEP EBS). (2010). Volume IV: Fish and Fisheries. https://www.nj.gov/dep/dsr/ocean-wind/.

Rothermel, E.R., Balazik, M.T., Best, J.E., Breece, M.W., Fox, D.A., Gahagan, B.I., Haulsee, D.E., Higgs, A.L., O'Brien, M.H., Oliver, M.J. and Park, I.A., 2020. Comparative migration ecology of striped bass and Atlantic sturgeon in the US Southern mid-Atlantic bight flyway. PloS one, 15(6), p.e0234442.

Rulifson RA, Bangley CW, Cudney JL, Dell'Apa A, Dunton KJ, Frisk MG, Loeffler MS, Balazik MT, Hager C, Savoy T, Brundage III HM. Seasonal presence of Atlantic Sturgeon and sharks at Cape Hatteras, a large continental shelf constriction to coastal migration. Marine and Coastal Fisheries. 2020 (5):308-21.