

Dustin E. Meattey
9 Poplar Circle, Lisbon, ME 04250
Cell: (207) 650 – 8903
dustin.meattey@briwildlife.org

Education

University of Rhode Island Kingston, RI

- MSc. Biological and Environmental Sciences
Thesis title: Annual cycle phenology and winter habitat selection of White-winged Scoters in eastern North America
- Graduated May 2018

Unity College Unity, ME

- B.S. Wildlife Biology
- Graduated May 2008
- GPA: 3.54

Galápagos Academic Institute for the Arts and Sciences (GAIAS) Galápagos Islands/Ecuador

- Spring 2007
- Ecology, Evolution, and Conservation Program

Relevant Skills & Abilities

- Wildlife identification
- Tree and plant identification in eastern U.S.
- Mist-netting (birds/bats)
- Bird banding
- Small mammal/furbearer trapping
- Collecting blood and tissue samples
- Proficient with Microsoft Office Suite (Word, Excel, PowerPoint, Access)
- Proficient with ArcGIS Desktop and ArcGIS Pro
- Proficient with statistical programs JMP and R
- Experienced with public outreach
- Proficient in conversational Spanish
- Knowledgeable in repair, maintenance, and operation of boats with inboard/outboard engines
- Experienced in operating radio-telemetry equipment
- Experienced in operating and maintaining net guns and net launchers

Professional Experience

Biodiversity Research Institute *Portland, ME* *Waterfowl Program Director/CESU Project Manager* --- 2007 – Present

Coordinates field studies for BRI's waterfowl and mammal departments. Conducts field research, literature review, data analysis, manuscript and report writing. Also assists BRI staff with GIS mapping and spatial analyses.

- Conducted offshore, ship-based seabird and marine mammal surveys in southern New England for offshore wind energy pre-construction monitoring.
- Captured wintering white winged scoters, surf scoters, long-tailed ducks, and common eiders for satellite PTT implantation to determine migratory pathways and offshore habitat use.
- Captured and deployed PTT transmitters in common eiders to determine the origins and extent of the Wellfleet Bay Virus in Boston Harbor.
- Captured and deployed prong-and-suture VHF transmitters on breeding common eiders in Maine to assess nesting propensity and duckling survival.
- Performed Avian Influenza screening on wintering sea duck species.
- Captured and radio-tracked breeding mallards.
- Captured, banded, and deployed satellite transmitters on breeding harlequin ducks throughout the Greater Yellowstone Ecosystem.

- Live-captured and sampled double-crested cormorants as part of a mercury contamination study on the coast of Maine.
- Conducted a small mammal species survey in the central and Western mountains of Maine.
- Monitored populations of common loons in ME and NH
- Banded loons and collected blood and feather samples for an ongoing mercury contamination research project.
- Captured (via mist net and harp trap) and sampled various bat species for ongoing mercury contamination research projects.
- Captured, sampled, and radio-tracked Indiana bats to locate bachelor and maternity roosts.
- Live-trapped and sampled muskrat for a mercury contamination and human health study.
- Live-captured and conducted a radio-telemetry study on Clapper rails in the Gulf of Mexico to determine adult survivorship after the 2010 Deepwater Horizon oil spill.
- Live-captured and conducted a satellite-telemetry study on adult brown pelicans in the Gulf of Mexico and South Atlantic Bight to determine adult survivorship after the 2010 Deepwater Horizon oil spill.
- Conducted summer mist-net surveys and radio telemetry studies for northern long-eared bats on eastern military installations.
- Species experience also includes: eagles, osprey, white pelicans, and songbirds.

Loon Preservation Committee *Moultonborough, NH*

Field Biologist --- May 2004 - September 2006

- Monitored common loon populations in the Monadnock region and Lake Umbagog
- Banded birds in cooperation with Biodiversity Research Institute

Teaching Experience

University of Rhode Island, 2016-2017

Teaching Assistant

- Introductory Ecology (BIO 262; Fall 2017)
- Taught weekly recitation sessions of ~30 students to reinforce key topics and review lecture material.
- Covered topics including natural selection, population ecology, competition, predator/prey dynamics, and ecosystem ecology

Teaching Assistant

- Wildlife Management Techniques Laboratory (NRS 309; Spring 2017)
- Assisted with weekly laboratory sections
- Covered topics including natural history and identification of common Rhode Island fauna, field observation methods, radiotelemetry and GPS, and capture and marking techniques.

Teaching Assistant

- Principles of Biology Laboratory I (BIO 103; Fall 2016)
- Taught three weekly laboratory sections (~23 students each)
- Covered topics including microscopy, PCR, gel electrophoresis, physiology, and genetics

Journal Publications

Noel, K., N. McLellan, S. Gilliland, K.A. Allard, B. Allen, S. Craik, A. Demagny, M.D. English, A. Diamond, J-F. Giroux, A. Hanson, H.W. Heusmann, L.E. King, C. Lepage, H. Major, D. McAuley, **D.E. Meattley**, G.R. Milton, J. Osenkowski, A. Roberts, G.J. Robertson, M-C. Roy, L. Savoy, K. Sullivan, and M.L. Mallory. 2021. Expert opinion on American common eiders in eastern North America: International information needs for future conservation. *Socio-Ecological Practice Research*. <https://doi.org/10.1007/s42532-021-00083-6>

- Fallon, J.A., E.P. Smith, N. Schoch, J.D. Paruk, E.M. Adams, D.C. Evers, P.G.R. Jodice, M. Perkins, **D.E. Meatley**, and W.A. Hopkins. 2020. Ultraviolet-assisted oiling assessment improves detection of oiled birds experiencing clinical signs of hemolytic anemia after exposure to the Deepwater Horizon oil spill. *Ecotoxicology*. <https://doi.org/10.1007/s10646-020-02255-8>
- Meatley, D.E.**, S.R. McWilliams, P. W. C. Paton, C. Lepage, S. Gilliland, L. Savoy, G. Olsen, and J. Osenkowski. Resource selection and wintering phenology of White-winged Scoters in southern New England: Implications for offshore wind energy development. *The Condor* 121: 1-18.
- Meatley, D.E.**, S.R. McWilliams, P. W. C. Paton, C. Lepage, S. Gilliland, L. Savoy, G. Olsen, and J. Osenkowski. 2018. Annual cycle of White-winged Scoters (*Melanitta fusca*) in eastern North America: migration phenology, population delineation, and connectivity. *Canadian Journal of Zoology* 96: 1353-1365.
- DeSorbo, C.R., N.M. Burgess, C.S. Todd, D.C. Evers, R.A. Bodaly, B.H. Massey, S.E. Mierzykowski, C.P. Persico, R.B. Gray, W.E. Hanson, **D.E. Meatley**, K.J. Regan. 2018. Mercury concentrations in bald eagles across an impacted watershed in Maine, USA. *Science of the Total Environment* 627: 1515-1527.
- Meatley, D.**, L. Savoy, J. Beuth, N. Pau, K. O'Brien, J. Osenkowski, K. Regan, B. Lasorsa, I. Johnson. 2014. Elevated mercury levels in a wintering population of common eiders (*Somateria mollissima*) in the northeastern United States. *Marine Pollution Bulletin* 86: 229-237.
- Kwon, S., J. Blum, C. Chen, **D. Meatley**, R. Mason. 2014. Mercury isotope study of sources and exposure pathways of Methylmercury in estuarine food webs in the northeastern U.S. *Environmental Science & Technology* 48(17): 10089-10097.

Technical Reports

- DeSorbo, C. R., C. Persico, A. Gilbert, M. Burton and **D. Meatley**. 2020. Studying Migrant Raptors Using the Atlantic Flyway. Block Island Raptor Research Station, Block Island, RI: 2020 Season. BRI Report #2021-05 Biodiversity Research Institute, Portland, Maine.
- Meatley, D.**, L. Savoy, A. Gilbert, J. Tash, C. Gray, A. Berlin, C. Lepage, S. Gilliland, T. Bowman, J. Osenkowski, and C. Spiegel. 2015. Wintering movements and habitat use of surf scoter (*Melanitta perspicillata*) in the mid-Atlantic U.S. Chapter 20 in: Final Report to the Department of Energy Wind and Water Power Technologies Office, 2015. Williams, K.A., E.E. Connelly, S.M. Johnson, I.J. Stenhouse, eds. Biodiversity Research Institute report (BRI ID #2015-11) submitted to: Department of Energy, Washington, DC, 24 pages.
- Gilbert, A., E. Adams, C. Anderson, A. Berlin, T. Bowman, E. Connelly, S. Gilliland, C. Gray, C. Lepage, **D. Meatley**, W. Montevecchi, J. Osenkowski, L. Savoy, I. Stenhouse, and K. Williams. 2015. Incorporating temporal variation in seabird telemetry data: time variant kernel density models. Chapter 23 in: Final Report to the Department of Energy Wind and Water Power Technologies Office, 2015. Williams, K.A., E.E. Connelly, S.M. Johnson, I.J. Stenhouse, eds. Biodiversity Research Institute report (BRI ID #2015-11) submitted to: Department of Energy, Washington, DC, 21 pages.
- Rinker, H.B., O.P. Lane, **D.E. Meatley**, and K.J. Regan. 2013. Limpia Guerrero 2013: A Pilot Study of Environmental Contaminants in México. Report BRI 2013-38. Biodiversity Research Institute, Gorham, Maine. 54 pages.
- Savoy, L., **D. Meatley**, and I. Johnson. 2011. Common Eider daily and migratory movements in proposed offshore wind power test sites. Report BRI 2011-14 submitted to Maine Outdoor Heritage Fund, Wiscasset, ME. Biodiversity Research Institute, Gorham, Maine. 35 pages.

- Meatley, D.** and L. Savoy. 2011. Onondaga Lake migratory and winter waterfowl pilot contaminant assessment 2009-2010. Report BRI 2011-13 submitted to U.S. Fish and Wildlife Service, Cortland, NY. Biodiversity Research Institute, Gorham, Maine. 50 pages.
- Meatley, D.** and L. Savoy. 2011. Assessing mercury accumulation in wintering sea ducks at Parker River National Wildlife Refuge 2009-2010. Report BRI 2011-12 submitted to Parker River National Wildlife Refuge, Newburyport, MA. Biodiversity Research Institute, Gorham, Maine. 26 pages.
- Meatley, D.** and L. Savoy. 2010. Assessing mercury accumulation in wintering sea ducks and Atlantic brant at Parker River National Wildlife Refuge, 2009. Report BRI 2010-08. Biodiversity Research Institute, Gorham, Maine. 17 pages.
- Yates, D., **D. Meatley**, and T. Divoll. 2008. Bat survey of Parker River and Great Bay National Wildlife Refuges. Report BRI 2008-09. Biodiversity Research Institute, Gorham, Maine. 22 pages.
- Yates, D., D.C. Evers, and **D. Meatley**. 2008. Pilot assessment of Methylmercury available to muskrat and shrews on the South Fork River, Virginia – 2008. Report BRI 2009-21 submitted to U.S. Fish and Wildlife Service, Gloucester Virginia. Biodiversity Research Institute, Gorham, Maine.
- Taylor, K., D. Pepin, **D. Meatley**, D. Yates and D.C. Evers. 2008. Flagstaff Lake Common Loon Population Survey and Management Report, 2007. BRI Report 2008-02, submitted to FPL Energy Maine Hydro. Biodiversity Research Institute, Gorham, Maine.

Professional Presentations

Oral Presentations

- Meatley, D.E.** 2017. Wintering and migratory use of the Great Lakes by multiple sea duck species tagged in the Atlantic Flyway. Presented at the Great Lakes Sea Duck Symposium, Port Clinton, Ohio, 2017.
- Meatley, D.E.**, S.R. McWilliams, P.W.C. Paton, J. Osenkowski, C. Lepage, S.G. Gilliland, and G.H. Olsen. 2017. Annual cycle movements and winter habitat use of white-winged scoters in southern New England. Presented at 6th International Sea Duck Conference, San Francisco, California, 2017.

Poster Presentations

- Meatley, D.E.**, S.R. McWilliams, P. W. C. Paton, C. Lepage, S. Gilliland, L. Savoy, G. Olsen, and J. Osenkowski. 2018. Winter habitat use of White-winged Scoters in southern New England: Implications for offshore wind energy development. State of the Science Workshop on Wildlife and Offshore Wind Energy Development, Woodbury, NY, 2018.
- Goodman, M.D., G.H. Olsen, and **D.E. Meatley**. 2017. Evaluation of pre- and post-surgical lactate levels in long-tailed ducks (*Clangula hyemalis*) as an indicator of hypoxemia. Presented at 6th International Sea Duck Conference, San Francisco, California, 2017.
- Olsen, G.H., A. Krishnaswamy, M.C. Runge, A.M., A.M. Berlin, and **D.E. Meatley**. 2017. Using I-Stat blood results to predict post-PTT implant survival in long-tailed ducks and scoters. Presented at 6th International Sea Duck Conference, San Francisco, California, 2017.
- Meatley, D.**, L. Savoy, C. Dwyer, R.M. Mickley, J. Beuth, and K. Regan. 2014. A comparison of mercury concentrations in common eiders and prey items from the northeastern United States. Presented at 5th International Sea Duck Conference, Reykjavik, Iceland, 2014.

Savoy, L., W. Goodale, B. Allen, D. Heard, **D. Meattey**, I. Johnson. Common eider seasonal movements in proposed offshore wind power test sites. Presented at 4th International Sea Duck Conference, Seward, Alaska 2011.

Savoy, L., T. Bowman, **D. Meattey**, O. Lane, J. Osenkowski, S. Gilliland, G. Olsen, N. Pau, K. O'Brien, A. Berlin, P. Wilson, S. Badzinski, S. Meyer. Mercury concentrations in blood of migratory and wintering sea ducks from the Atlantic and Great Lakes regions. Presented at 4th International Sea Duck Conference, Seward, Alaska 2011.

Professional Activities

Reviewer – *The American Naturalist*, *Journal of Fish and Wildlife Management*, *Ornithological Applications* (formerly *The Condor*)

Member – *Sigma Xi* – 2016-present

Member – American Ornithological Society – 2018-present

Member – New England Outdoor Writers Association – 2017-present

Honors and Awards

- New England Outdoor Writer's Association scholarship. 2018. \$2,000
- Best Student Presentation Award at the 6th International Sea Duck Conference. "*Annual cycle movements and winter habitat use of white-winged scoters in southern New England*". San Francisco, California, 2017.
- Delta Waterfowl Student Travel Award to 6th International Sea Duck Conference, San Francisco, California, 2017. \$500

Certifications

- Protected Species Observer (PSO)
- Qualified Indiana Bat Surveyor (QIBS)
- 24 Hr. HAZWOPER Training
- NRDA Cold Water Safety Training
- Offshore Water Survival
- Helicopter Underwater Egress Training (HUET)
- Personnel Transfer Basket/Swing Rope Training
- B3 Combination Helicopter/Airplane Safety Training
- PADI Certified SCUBA Diver
- First Aid/CPR