

KIMBERLEY T. A. DAVIES, PH.D.

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HISTORY OF EMPLOYMENT

Associate Professor with tenure <i>Department of Biological Sciences, University of New Brunswick, Canada</i>	07/2023-present
Associate Professor <i>Department of Biological Sciences, University of New Brunswick, Canada</i>	07/2021-06/2023
Assistant Professor <i>Department of Biological Sciences, University of New Brunswick, Canada</i>	01/2019-06/2021
Adjunct Faculty Member <i>Department of Oceanography, Dalhousie University, Canada</i>	2019-Present
Liber Ero Postdoctoral Fellow <i>Department of Oceanography, Dalhousie University, Canada</i>	2015-18
Postdoctoral Fellow <i>L'Institut Français de Recherche pour l'Exploitation de la Mer, France</i>	2014
Postdoctoral Fellow <i>Department of Engineering Mathematics and Internetworking, Dalhousie University, Canada</i>	2013

DEGREES

Doctor of Philosophy <i>Department of Oceanography, Dalhousie University, Canada</i>	2007-12
Bachelor of Science (Co-op), Honours with Distinction <i>Department of Biology, University of Victoria, Canada</i>	2001-07

SELECTED HONORS

2023 Awarded early tenure at the University of New Brunswick (Institutional)
2022 Harrison McCain Foundation Young Scholar Award (Institutional, \$10 000)
2022 University of New Brunswick Merit Award (Institutional, \$5 000)
2017 Canadian National Chapter for the Scientific Committee on Ocean Research Early Career Ocean Scientist Award (National)
2015 Liber Ero Postdoctoral Fellowship (National, \$150 000)

SELECTED PUBLICATIONS

Fouda, L.*, Mayette, A., Indeck, K.*, and **Davies, K.T.A.** Accepted. How ocean going vessels respond to mandatory dynamic speed restrictions aimed at protecting whales. *Marine Policy* Accepted 29 June 2026. Manuscript ID JMPO-D-25-00979R2
Mossman, D.*, Warren, J. Hynes, N.* and **Davies, K.T.A.** 2026. Performance of a glider-mounted multifrequency echosounder for detecting zooplankton layers in situ. *Limnology and Oceanography Methods*. e70042. <http://doi.org/10.1002/lom3.70042>

- Johnson, H., **Davies, K.T.A.**, Taggart, C.T. and Baumgartner, M.F. 2025. Using ocean gliders to characterize baleen whale habitat in the Northwest Atlantic. *Marine Ecology Progress Series* 764: 189-211. <https://doi.org/10.3345/meps14832>
- Davies, K.T.A.**, Webster, A., Babu, V., Brilliant, S., Carlyle, C.*, Lonati, G.*, Sharma, H., and Tsui, O. 2025. Semi-automated detection of right whales (*Eubalaena* spp.) in Very High Resolution satellite imagery. *Marine Mammal Science* 0:e70024. 1-12. <https://doi.org/10.1111/mms.70024>
- Indeck, K.L.*, Baumgartner, M.F., Lecavalier, L., Whoriskey, F., and **Davies, K.T.A.** 2025. Passive acoustic gliders as surveillance assets for dynamic management of shipping lanes to mitigate whale-vessel strikes. *Conservation Letters* 18:e13102. <https://doi.org/10.1111/conl.13102>
- Indeck, K.*, Baumgartner, M.F., Lecavalier, L., Whoriskey, F., Durette-Morin, D., Pettigrew, N., McSweeney, J., Thorne, L., Gallagher, K., Edwards, C., Meyer-Gutbrod, E., and **Davies, K.T.A.** 2025. Glider surveillance for near real-time detection and spatial management of North Atlantic right whales. In *Frontiers in Ocean Observing*. E.S. Kappel, V. Cullen, I.C.A. da Silveira, G. Coward, C. Edwards, P. Heimbach, T. Morris, H. Pillar, M. Roughan, and J. Wilkin, eds, *Oceanography* 38(Supplement 1), 22-29
- Meyer-Gutbrod, E., **Davies, K.T.A.** Johnson, C.L., Pluorde, S., Sorocean, K., Kenney, R., Ramp, C., Gosselin, J.-F., Lawson, J., and Greene, C. 2023. Redefining North Atlantic right whale habitat use patterns under climate change. *Limnology and Oceanography* 68(S1): S71-S86. *Special Issue: Cascading, interactive and indirect effects of climate change on aquatic communities, habitats and ecosystems.*
- Meyer-Gutbrod, E., Greene, C., **Davies, K.T.A.** and Johns, D.G. 2021. Ocean regime shift is Driving Collapse of the North Atlantic Right Whale Population. *Oceanography* 34(3): 22-31. (*Feature and cover article*).

PROFESSIONAL SOCIETY MEMBERSHIPS

- American Geophysical Union
- Association for the Sciences of Limnology and Oceanography
- North Atlantic right whale Consortium

RESEARCH EXPERIENCE NARRATIVE

I direct the Conservation Oceanography and Marine Technology (COMeT) Lab at the University of New Brunswick. Our lab bridges oceanography, marine ecology and conservation. Three major research themes are: (1) characterizing the relationship between endangered whale ecology and oceanography from meso- to climate scales in the North Atlantic and Arctic oceans, (2) developing ocean glider and satellite applications to improve our ability to measure whales and their oceanographic habitat, including in near real-time, and (3) advancing evidence-based endangered whale conservation to reduce the risk of fishing gear and ship strikes. I regularly engage in public policy, on-the-ground conservation action, and media activities that connect the lab's work with societal issues and needs. I train HQP at all levels.