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A. Education

- 2001 University of Oxford, St. Hilda's College, U.K. B.A. Hons. (Biological Sciences).
2002 University of Southampton, U.K. M.Sc. (Oceanography).
2006 University of Aberdeen, U.K. Ph.D. (Biological Sciences).
2006 University of Aberdeen, U.K. Postdoctoral Research Assistant.
2007-10 National Research Council Postdoctoral Research Associate, NOAA/NMFS Southwest Fisheries Science Center, Environmental Research Division.

B. Appointments

- 2016-Present Research Associate Professor, Chesapeake Biological Laboratory, University of Maryland Center for Environmental Science (UMCES).
2010-16 Research Assistant Professor, Chesapeake Biological Laboratory, UMCES.
2009-10 Visiting Scientist, Chesapeake Biological Laboratory, UMCES.

C. Selected Publications

- Bailey, H. and Secor, D.H. (2016) Coastal evacuations by fish during extreme weather events. *Scientific Reports*, 6: 30280.
- Howell, E.A., Hoover, A., Benson, S.R., Bailey, H., Polovina, J.J., Seminoff, J.A., and Dutton, P.H. (2015) Enhancing the TurtleWatch product for leatherback sea turtles, a dynamic habitat model for ecosystem-based management. *Fisheries Oceanography*, 24: 57-68.
- Lewis, R., Hobday, A.J., Maxwell, S., Hazen, E. Hartog, J.R., Dunn, D.C., Briscoe, D., Fossette, S., O'Keefe, C.E., Barnes-Mauthe, M., Abecassi M., Bograd, S., Bethoney, N.D., Bailey, H., Wiley, D., Andrews S., Hazen, L., Crowder L.B. (2015) Dynamic Ocean Management: Identifying the critical ingredients of dynamic approaches to ocean resource management. *BioScience*, 65: 486-498.
- Bailey, H., Brookes, K.L. and Thompson, P.M. (2014) Assessing environmental impacts of offshore wind farms: Lessons learned and recommendations for the future. *Aquatic Biosystems*, 10: 8.
- Irvine, L.M., Mate, B.R., Winsor, M.H., Palacios, D.M., Bograd, S.J., Costa, D.P. and Bailey, H. (2014) Spatial and temporal occurrence of blue whales off the U.S. West Coast with implications for management. *PLoS ONE*, 9: e102959.
- Roe, J. H., Morreale, S. J., Paladino, F. V., Shillinger, G. L., Benson S. R., Eckert, S. A., Bailey, H., Santidrián Tomillo, P., Bograd, S. J., Eguchi, T., Dutton, P. H., Seminoff, J. A., Block, B. A. and Spotila, J. R. (2014) Hotspots for bycatch of endangered leatherback turtles on longlines in the Pacific Ocean. *Proceedings of the Royal Society B*, 281: 20132559.

- Maxwell, S. M., Hazen, E. L., Bograd, S. J., Halpern, B. S., Nickel, B., Breed, G., Teutschel, N. M., Block, B., Crowder, L. B., Benson, S., Bailey, H., Kappes, M. A., Kuhn, C., Weise, M. J., Mate, B., Shaffer, S. A., Hassrick, J. L., Henry, W., Irvine, L. McDonald, B., Robinson, P., Simmons, S. and Costa, D. P. (2013) Cumulative human impacts on marine predators. *Nature Communications*, 4: 2688.
- Bailey, H., Benson, S.R., Shillinger, G.L., Bograd, S.J., Dutton, P.H., Eckert, S.A., Morreale, S.J., Paladino, F.V., Eguchi, T., Foley, D.G., Block, B.A., Piedra, R., Hitipeuw, C., Tapilatu, R.F. and Spotila J.R. (2012) Identification of Distinct Movement Patterns in Pacific Leatherback Turtle Populations Influenced by Ocean Conditions. *Ecological Applications*, 22: 735-747.
- Maxwell, S.M., Hazen, E.L., Morgan, L.E., Bailey, H. and Lewison, R. (2012) Finding balance in fisheries management. *Science*, 336: 413.
- Shillinger, G.L., Swithenbank, A.M., Bailey, H., Bograd, S.J., Castleton, M.R., Wallace, B.P., Spotila, J.R., Paladino, F.V., Piedra, R. and Block, B.A. (2011) Vertical and horizontal habitat preferences of post-nesting leatherback turtles in the South Pacific Ocean. *Marine Ecology Progress Series*, 422: 275-289.
- Bailey, H. and Thompson P. (2010) Effect of oceanographic features on fine-scale foraging movements of bottlenose dolphins. *Marine Ecology Progress Series*, 418: 223-233.
- Bailey, H., Mate, B. R., Palacios, D.M., Irvine, L., Bograd, S.J. and Costa, D.P. (2010) Behavioural estimation of blue whale movements in the Northeast Pacific from state-space model analysis of satellite tracks. *Endangered Species Research*, 10: 93-106.
- Bailey, H., Senior, B., Simmons, D., Rusin, J., Picken, G. and Thompson, P.M. (2010) Assessing underwater noise levels during pile-driving at an offshore windfarm and its potential effects on marine mammals. *Marine Pollution Bulletin*, 60: 888-897.
- Thompson, P.M., Lusseau, D., Barton, T., Simmons, D., Rusin, J. and Bailey, H. (2010) Assessing the responses of coastal cetaceans to the construction of offshore wind turbines. *Marine Pollution Bulletin*, 60: 1200-1208.
- Bailey, H. and Thompson, P.M. (2009) Using marine mammal habitat modelling to identify priority conservation zones within a marine protected area. *Marine Ecology Progress Series*, 378: 279-287.
- Bailey, H., Shillinger, G., Palacios, D., Bograd, S., Spotila, J., Paladino, F. and Block B. (2008) Identifying and comparing phases of movement by leatherback turtles using state-space models. *Journal of Experimental Marine Biology and Ecology*, 356: 128-135.

D. Synergistic Activities

1. Member of the National Academies of Sciences, Engineering and Medicine Committee on the Assessment of the Cumulative Effects of Anthropogenic Stressors on Marine Mammals.
2. Instructed graduate courses on “Quantitative Methods in Environmental Science” and “Spatial Ecology”.
3. Reviewer for 17 journals including Conservation Biology, Journal of Applied Ecology, Marine Ecology Progress Series, and Proceedings of the Royal Society B.