

KELSEY HOWE

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EDUCATION

Bowdoin College, Brunswick, ME

- Graduated May 2010 with a *Bachelor of Arts* in Biology and History; GPA 3.53
- Relevant coursework: Biology of Marine Organisms, Comparative Physiology, Behavioral Ecology and Population Biology, Ornithology, Genetics, Organic Chemistry, and Multivariable Calculus.
- Campus activities: NCAA Bowdoin varsity volleyball, Bowdoin Outing Club member, Women in Sports Day volunteer, Youth volleyball clinics instructor, Leadership Development Series graduate, Undiscussed participant.

School for Field Studies, Kenya

- Studied abroad at the Center for Wildlife Management in Spring 2009; 4.0 GPA.
- Directed Research Project which used both GPS and GIS to map human infrastructure and wildlife displacement surrounding Amboseli NP, Kenya; data was presented to the local communities for future land planning and conservation efforts.

Outward Bound, North Atlantic Ocean

- Completed 22-day tall ship sailing course in summer 2007 on the *Westward* from Rockland, ME to Bermuda to Bar Harbor, ME.
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EMPLOYMENT

New England Aquarium, Boston, MA

Oct 2016 – present

Right Whale Assistant Scientist and Marine Mammal Conservation Program Coordinator

- Maintain the Right Whale Photo-Identification Catalog and conduct boat-based field work in U.S. and Canadian waters (includes tasks detailed below under Seasonal Right Whale Research Assistant for NEAQ); assist with photo analysis, data processing, ArcGIS map-making, necropsies, report writing, permit applications, newsletter articles, social media, science conference presentations, preparation for field seasons and the Right Whale Consortium, and education/outreach events. Also, as the Marine Mammal Conservation Program Coordinator, duties include: coordination among program team members as well as other programs in the research department and across the institution, budget tracking and discussions, meeting planning, and program goal reporting.

New England Aquarium, Lubec, ME

July/Aug – Sept 2011-2016

Seasonal Right Whale Research Intern (1 season)/Volunteer (1)/Assistant (4)

- Six seasons of boat-based North Atlantic right whale photo-identification and cataloguing, behavioral observation, biopsy, acoustic, and fecal sampling; maintained Lubec field station; included boat handling and trailering, offshore living and work experience, trip planning, weather calls, intern training, expense reports, and blog writing.

Florida Fish and Wildlife Conservation Commission, Jacksonville, FL

Oct 2014 – June 2015, Oct 2015 – May 2016

Right Whale Aerial Team Leader

- For two seasons, in addition to all of the tasks listed below under Right Whale Aerial Observer for FWC: made daily decisions during the four month field season about when/where the plane would fly and team member duties; coordinated flight movements and facilitated exchange of information with other aerial and vessel research teams, Navy, USCG, and local dredges; managed and facilitated communication within the aerial team of four observers and two pilots; prepared weekly aerial survey reports; tracked observer hours; proofed and submitted final aerial survey data, photos, and reports to several agencies at the end of the field season; presented a post-field season summary at the bi-annual Southeast Implementation Team (SEIT) meeting; assisted with pre- and post-season preparations, trainings, and updating reference materials; participated in education and outreach, including meetings, festivals, and social networking (Flickr).

Georgia Department of Natural Resources, Brunswick, GA

Dec 2013—May 2014

Marine Mammal Technician

- Boat-based North Atlantic right whale photo-identification and cataloguing, behavioral observation, and biopsy; assisted marine mammal stranding response and necropsies, with particular focus on the *Tursiops* morbillivirus die-off; included boat handling and trailering; participated in disentanglement training.

Florida Fish and Wildlife Conservation Commission, Jacksonville, FL

Dec 2011 – March 2012, Nov 2012 – March 2013

Right Whale Aerial Observer

- Two seasons of flying aerial surveys while collecting in-flight survey data and right whale photo and behavioral data; assisted with photo-identification and data processing; provided ground support for aerial survey crew; assisted with boat-based photo-id, biopsy, and necropsies; fielded sighting reports from public sources; maintained St. Augustine field station; completed disentanglement and naval EGRESS training; efficient in proper VHF radio communications.

State of Maine Department of Marine Resources, Boothbay Harbor, ME

July 2010 – July 2011, Oct – Dec 2011

Marine Resource Technician, Large Whale Conservation Program

- Contributed to conservation and management projects, including: lobster gear density surveys to assess risk of endangered

cetacean entanglement; lobster gear compliance surveys; acoustic buoy deployment, retrieval, and data analysis; disentanglement training and networking; NEAq's right whale surveys; assisted marine mammal stranding responses and necropsies.

Liberty Fleet of Tall Ships, Boston, MA Summer 2008
Deckhand

- Sailed Boston Harbor, MA coast, and East Coast from Key West to Boston; handled sails; maintained and cleaned ship; navigated.

Stantec Consulting, Salt Lake City, UT Summer 2007
Administrative Assistant

- Assisted in water quality sample preparation; answered phones; typed documents; ran errands; organized fundraisers.

INTERNSHIPS

Whale Conservation Institute/Ocean Alliance, Salt Lake City, UT May – July 2014
Volunteer

- Assisted with the coding of the Argentinean southern right whale catalogue; contributed to the creation of a coding protocol for the catalogue within the program BigFish.

LAMAVE, Bohol, Philippines April – June 2013
Research Assistant

- Boat based melon-headed whale photo-identification and cataloguing, with a focus on social structure behavioral observation and data collection; cleaned and maintained equipment; took basic behavioral and GPS data for all marine mammal species encountered.

Murdoch University, Kimberley Region, WA, Australia April – June 2012
Research Assistant

- Boat based dolphin (Australian snubfin, Indo-Pacific humpback dolphin, and bottlenose) photo-identification and cataloguing, behavioral observation, and biopsy; assisted in the creation of photo-ID catalogues for this project; included boat handling around cetaceans.

Allied Whale, Bar Harbor, ME Summer 2009
Research Intern

- Boat based whale photo-identification and cataloguing; collected marine mammal and bird transect data; assisted marine mammal stranding responses and necropsies; assisted in deployment of acoustic buoys and worked with acoustic data; assisted in running and managing the Mount Desert Rock field research station.

The Living Planet Aquarium, Salt Lake City, UT Jan – June 2006
Marine Biology Intern

- Completed research project on the feeding habits of benthic sharks; cleaned tanks; prepared food and fed aquatic life; performed chemical analyses, water changes, and tank maintenance.

REPORTS AND PRESENTATIONS

- 2021, 2020, 2019, 2018 U.S. State Department report, SARA permit report
- 2021 magazine article for Nature's Newsletter
- 2020, 2019, 2018 Irving funding report
- 2019 poster presentation at the World Marine Mammal Conference in Barcelona
- 2016, 2015 FWC aerial survey report
- 2016, 2015 NOAA tech memo
- 2016, 2015 SEIT presentations

RELEVANT EXPERIENCE AND TRAINING

- Aerial and boat-based survey and coordination experience
 - Boat handling and trailering experience
 - Biopsy darting experience
 - Level 2 disentanglement training
 - USCG Master, 100 Ton Near Coastal
 - STCW Course, Northeast Maritime Institute (Fairhaven, MA), 2021.
 - CPR and First Aid Course, Northeast Maritime Institute (Fairhaven, MA), 2021.
 - Motorboat Operator Certification Course (MOCC), Department of Interior (FL), 2015.
 - NOAA Small Boat Component Class (FL), 2014.
 - Aircraft Emergency Egress/Ditch Training, US Navy (Jacksonville, FL). 2011, 2012, 2014. Expired.
 - ArcGIS and R programming experience
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