

ROBERT S. BOWMAN
83 North Road, Lamoine, Maine 04605
207-244-7429 bob@potterslake.net
www.BobBowmanMusic.com

BOB BOWMAN MUSIC: 2008 to Present. Full-time Musician. Performing original, classical-inspired arrangements of traditional Celtic and American music, and original compositions on fingerstyle guitar, Irish bouzouki, and banjo. Audio engineering: Innovative use of wireless and battery audio technology for public performance and permanent installations. Scored seven films for National Geographic, PBS, and independents. Solo guitar CD, *Edge of the Earth*, released in 2014.

MARINE WILDLIFE ASSOCIATES: 1993 to Present. Private international consultant on research, education, conservation, and eco-tourism projects for educational and scientific institutions, businesses and governmental and non-governmental organizations.

- Consults on large whale entanglement response strategy, technology, and policy for USA, South Africa, Australia, UK (currently)
- Redeveloped and managed College of the Atlantic's Adopt a Whale program: redesigned product and packaging, wrote educational materials, graphics, text, created and operated Web store. (2009-2012)
- Conducted a project to assess and improve the safety, quality and conservation value of the whale watching industry in Samana Bay, Dominican Republic. Prepared draft whale watch regulations for the Dominican Republic, which were enacted by the government (1996). Center for Marine Conservation, Washington, DC.
- Developed logistical, educational and scientific program for shipboard ecotourism project in Iceland (1995). Icelandic Ocean Odyssey.
- Conference Chair, North Atlantic Marine Mammal Association (1994). Bar Harbor, Maine

COORDINATOR, ATLANTIC LARGE WHALE DISENTANGLEMENT NETWORK: 1998-2007. Center for Coastal Studies, Provincetown, Massachusetts. Developed and managed training, equipment, logistics and international network of 900+ scientists, fishermen, and government responders in 20 large whale entanglement response teams, from Quebec to Florida. Primary disentanglement responder for Maine through 2007. Developed Web-based, real-time case history management; principal equipment designer (satellite tracking buoys, modular poles, cutters, grapples). Advised Pacific and international efforts (Australia, UK, South Africa, Canada).

RESEARCH ASSOCIATE: 1986 to 2002. College of the Atlantic, Bar Harbor, Maine. Director of Field Research and Public Information, 1986-1992. Coordinated public relations, development, education and research programs for Allied Whale, the marine mammal research group at the college. Work included writing and distributing press releases, newsletters, and educational materials; representing College of the Atlantic in interviews and conferences; delivering public lectures and scientific papers, and developing fundraising and marketing programs such as Adopt a Finback Whale. Position included coordinating and/or participating in field studies in Gulf of Maine and the West Indies.

- New England: Participated in the creation and development of photographic identification techniques for use in the study of finback whales, including the creation of the North Atlantic Finback Catalogue.
- Canada: Director/Chief scientist/Captain on seven photo-identification/genetic sampling cruises to the Bay of Fundy: 1983-1992.
- West Indies: Represented College of the Atlantic on a humpback whale research project in the Dominican Republic during the winters of 1988, 1989 and 1991. This was a collaborative project with the Center for Coastal Studies of Massachusetts and the Autonomous University of Santo Domingo. Served as mate/relief-captain and scientist involved in all aspects of the field work including running census tracks from a 44' ketch and photo-ID and biopsy collection from inflatables.

ADJUNCT SCIENTIST: 1992 - 1993. Center for Coastal Studies, Provincetown, Massachusetts,. Captain/Chief Scientist on the research vessel *Sirius*, 44' ketch. Project YoNAH (Years of the North Atlantic Humpback) was a three-year, ocean-wide study of humpbacks involving scientists from seven countries. Directed projects in Samana Bay and Navidad Bank, Dominican Republic during the winters of 1992 and 1993 and served as captain/scientist for northeast offshore project in the Bay of Fundy, Brown's Bank, and Georges Bank during 1992. Sailed more than 15,000 miles in two years.

MAINE WHALEWATCH: 1978 to 1992. Northeast Harbor, Maine. Founder and director of private research and education organization offering full day natural history expeditions to the general public along with development and implementation of long term, shipboard research projects. Owned and operated the *Island Queen*, 42 ft. passenger vessel. Conducted independent studies on marine mammal and seabird distribution and abundance; projects included collaborations with National Audubon Society/Project Puffin, College of the Atlantic/Allied Whale, The Nature Conservancy and others. Studies pertained to census, habitat restoration and behavior of marine mammals and seabirds along the coasts of Maine and the Bay of Fundy. Work included photo-identification and genetic sampling of individual animals for studies of trends in behavior, habitat use and demography. Research was funded by passenger fares.

RESEARCH SUPERVISOR: Winter 1987. College of the Atlantic, Bar Harbor, Maine. Trained and led student researchers on a two month expedition to the Sea of Cortez, Mexico. Study consisted of shipboard marine mammal and seabird surveys in the waters off Bahía San Carlos, Sonora, Mexico (blue whale and fin whale photo-ID).

MARINE MAMMAL AND SEABIRD OBSERVER: Spring 1983. Manomet Bird Observatory, Manomet, Massachusetts. Observation and data collection for a census of cetaceans, sea turtles, and seabirds in the North Atlantic from Cape Sable, Nova Scotia to Cape Hatteras, North Carolina.

MARINE MAMMAL OBSERVER: Fall 1979. CETAP, University of Rhode Island, Kingston, Rhode Island. Work was similar to that listed above but did not include data collection on seabirds: offshore waters of the Gulf of Maine including George's Bank and Brown's Bank.

BEAL AND BUNKER, INC. 1969 to 1982. Cranberry Isles, Maine. Year round captain and carpenter for a fleet of five passenger vessels and wooden boat building/repair shop.

Additional education, employment and skills:

- Passenger Vessel Captain: 1977 to 1998. Licensed Master of passenger vessels up to 100 tons.
- University of Maine, Orono; Washington County Technical College, Lubec, Maine, Boatbuilding. Additional coursework in Geographic Information Systems and Constitutional Law, College of the Atlantic, 1994.
- Musician: 1970 to present. Fingerstyle guitar soloist: original compositions and arrangements of traditional and contemporary works. Also performs on mandolin and banjo in concert, festivals, restaurants and film soundtracks for National Geographic, PBS, Forged Image Productions. Composed and performed score for Emmy nominated PBS series, *Our Stories*, 1998. Audio engineer for *The Herd* (10 piece Latin/funk band), 1993-1997.
- Woodworking: Bass Harbor Boat, winter 1995-96; Morris Yachts, winter 1988-89; Wood Products Inc., Portland, custom furniture, winter, 1983-84.
- Passenger vessels: 1993 to 1998, regular relief captain for Cranberry Cove Boating Co., Sea Princess Cruises, Islesford Ferry Co., Beal and Bunker, Inc. , and naturalist/musician/crew for Downeast Windjammer Cruises

Selected publications

Agler, B.A., Katona, S.K., and Bowman, R.S. 1988. Maine's Biggest Wildlife Mystery: a Maine endangered and nongame wildlife fund project report. *Maine Fish and Wildlife*. 30: 10-11.

Agler, B.A., Beard J.A., Bowman, R.S., Corbett, H.D., Frohock, S.E., Hawvermale, M.P., Katona, S.K., Sadove, S.S., and Seipt, I.E. 1990. Fin whale, (*Balaenoptera physalus*) photographic identification: methodology and preliminary results from the western North Atlantic. *Rep. Int. Whal. Commn.* (special issue 12): 349-356.

Agler, B.A., Robertson, K.A., DenDanto, D., Katona, S.K., Allen, J.M., Frohock, S.E., Seipt, I.E. and Bowman, R.S. 1992. The use of photographic identification for studying individual fin whales (*Balaenoptera physalus*). *Rep. Int. Whal. Commn.* 42: 711-722.

Baraff, L.S., Clapham, P.J., Mattila, D.K., and Bowman, R.S. 1990. Feeding behavior of a Humpback whale in low-latitude waters. *Marine Mammal Science*. 7(2): 197-202.

Bowman, R.S., Allen, J.M., and Gennari, S. 1991. The use of a geographic information system (GIS) for studying whales and whale habitats. In *Proceedings of the Ninth Biennial Conference on the Biology of Marine Mammals*. December 5-9. Chicago, Illinois.

Drennan, M.P., Bowman, R.S. 1993. Ground-Nesting Snowy Egrets in Maine – A New Northernmost Breeding Record. *American Birds*. vol.47 no.3: 376-377.

Mattila, D.K., Clapham, P.J., Vasquez, O., and Bowman, R.S. 1994. Occurrence, population composition, and habitat use of humpback whales in Samana Bay, Dominican Republic. *Can. J. Zool.* 72: 1898-1907.

Bowman, R.S. 1996. Report on a project to assess and improve the safety, quality, and conservation value of the whale watching industry in Samana Bay, Dominican Republic. Center For Marine Conservation, Washington, D.C. 15 pp.

Mattila, D. K., P. J. Palsbøll, M. Bérubé, B. Bowman, C. Carlson, P.J. Clapham, A. Mignucci, J. Robbins, P. Stevick, and O. Vasquez. 1998. Sexual composition of the North Atlantic population of humpback whales on their principal mating and calving grounds: are some females missing? Abstract in the proceedings of the World Marine Mammal Science Conference, Monaco. January 20-25, 1998.

Bowman, Robert; Lyman, Ed; Mattila, David; and Mayo, Charles, 1999. Developing a network of marine professionals for the rescue of entangled whales. In *Proceedings of the Thirteenth Biennial Conference on the Biology of Marine Mammals*. November 28- December 3. Maui, Hawaii.

Bowman, Robert; Lyman, Edward; Mattila, David; Mayo, Charles; Brown, Moira. 2001. Habitat Management Lessons from a Satellite-Tracked Right Whale. In *Proceedings of the Fourteenth Biennial Conference on the Biology of Marine Mammals*. November 28-December 3, 2001. Vancouver, BC Canada.

Johnson, Tora; Bowman, Bob. 2003. "Churchill":The story of right whale #1120. In *Prototype Biophysical Maps of the Gulf of Maine*. Gulf of Maine Program of the Census of Marine Life; University of Southern Maine, Portland, Maine. October, 2003

Bowman, Robert; Johnson, Tora; Lyman Edward. 2003. New Telemetry Analysis Tools for Entangled Whales. In *Proceedings of the Fifteenth Biennial Conference on the Biology of Marine Mammals*. December 14-19, 2003 Greensboro, North Carolina.

Bowman, Bob. 2005. Right Whales Caught in Fight for Survival. *Boston Globe*, March 7, 2005

Moore M, Bogomolni A, Bowman R, Hamilton P, Harry C, Knowlton A, Landry S, Rotstein D, Touhey K. 2006. Fatally entangled right whales can die extremely slowly. *Oceans'06 MTS/IEEE-Boston*, Massachusetts September 18-21, 2006 - ISBN: 1-4244-0115-1.: 3 pp

Bowman, Robert; Lyman, Edward. 2007 A Towed Argos-linked GPS Tagging System for Entangled Whales. In *proceedings of the seventeenth Biennial Conference on the Biology of Marine Mammals*. November 29 – December 5, 2007 Cape Town, South Africa.