

Peter H. Craig

East Boothbay, ME | pcraig@bigelow.org | linkedin.com/in/peterhcraig

EDUCATION

- University of New England** **Biddeford, ME**
Professional Science Master's in Ocean Food Systems May 2022
Thesis: Hydrodynamic modeling of wastewater in a prohibited shellfish harvest area: A data-driven approach to management in Saco Bay
- Colby College** **Waterville, ME**
Bachelor of Arts in Environmental Science, Marine Science Concentration May 2016
Course work: Ecology, Aquatic Ecology, Marine Ecology, Marine Fisheries Management, Environmental Economics, Data Analysis in R, GIS
- The School for Field Studies** **South Caicos, Turks and Caicos Islands**
Student: Center for Marine Resource Management September – December 2014
Course work: Marine Ecology, Marine Resource Management, Environmental Policy, SCUBA Field Research

EXPERIENCE

- Bigelow Laboratory for Ocean Sciences** **East Boothbay, ME**
Boat Captain August 2022 – Present
- Captains field operations on research vessels *R/V Clarice (26')* and *R/V Bowditch (48')*
 - Operates hydraulic A-frame, winches, deck crane, fire hose, and anchor mechanisms
 - Utilizes Furuno, Lowrance, and Garmin navigation electronics and Timezero/OpenCPN chart plotting software
 - Maintains vessel systems including: engines, fluids, fuel systems, electronics, and safety equipment
 - Operates vessels along coastal Maine waters as well as offshore and estuary environments
 - Maintains accurate and detailed records and vessel logs
 - Routinely trailers, launches, and recovers vessels
- Research Associate*
- Performs molecular analysis using PCR, metabarcoding, and Oxford Nanopore gene sequencing
 - Operates oceanographic equipment: SeaBird CTD Rosette, plankton nets, YSI Sonde, sediment grabs, seapHOx instruments, ProOceanus ProCV
 - Utilizes AAUS scientific diving to deploy instrumentation, collect samples, and conduct experiments
 - Analyzes chlorophyll samples using an Agilent UV/Vis Spectrophotometer
 - Performs laboratory analyses of samples in support of several research projects
 - Interprets experimental data and contributes results for manuscript development
- True Fin** **Portland, ME**
Operations and Logistics January 2022 – July 2022
- Processed, packaged, and delivered locally caught Gulf of Maine ikejime groundfish, tuna, and shellfish
- Dana Farber Cancer Institute** **Boston, MA**
Aquaculture Specialist October 2019 - October 2020
- Daily feeding, mating, and record keeping of zebrafish and rotifer populations for oncology research
 - Maintained life support of recirculating aquaculture systems
 - Screened embryos for fluorescent proteins
- New England Aquarium** **Boston, MA**
Giant Ocean Tank Intern & Dive Volunteer June 2015 – December 2019
- Conducted confined SCUBA diving in a 200,000-gallon aquarium exhibit
 - Prepared daily food items and fed ~1000 tank residents of the Giant Ocean Tank exhibit via SCUBA
 - Monitored tank life support systems and maintained daily records
- Tassal Tasmanian Salmon** **Tasmania, Australia**
Technical Officer January – March 2018
- Assessed and tracked the growth and health of over 2.5 million salmon
 - Conducted gill checks and collected organ samples to assess fish health
- Wright-Locke Farm** **Winchester, MA**
Assistant Farm Manager April 2017 – December 2018
- Seeded, planted, harvested, and sold organic produce
 - Maintained crop fields (i.e. weed control, pest control, fertilization, irrigation, pruning)
 - Managed teams of volunteer laborers

Eastern Point Yacht Club & City of Gloucester*Launch Operator***Gloucester, MA**
June 2011 – August 2016

- Monitored and managed a mooring field of over 80 vessels
- Vessel operator responsible for shuttling passengers
- Serviced mooring hardware

SKILLS, TRAINING & CERTIFICATIONS

2017	Licensed United States Captain for vessels up to 50 gross tons (GRT)
2023	Forklift Operator Certification
2023	AAUS Scientific Diver
2015	PADI Rescue Diver with drysuit certification

PROFESSIONAL DEVELOPMENT

2024-present	Dive Control Board, Bigelow Laboratory for Ocean Sciences
	Marine Operations Committee, Bigelow Laboratory for Ocean Sciences
2023	Safety Committee, Bigelow Laboratory for Ocean Sciences