

Qualifications Summary

- 10 years' experience with data collection, processing and interpretation for projects in marine environments
- Two years' experience with real-time oceanographic and meteorological measurement system design and operation
- Broad background in biological, chemical, and physical oceanographic processes
- Extensive field work experience in marine environments
- Excellent communication, technical writing, public speaking and organizational skills

CLINTON HARE, PH.D.

Mid-Atlantic Regional Operations Manager / Oceanographer

Professional Affiliations

American Society of Limnology and Oceanography (ASLO)
American Association for the Advancement of Science (AAAS)

Fields of Expertise

Broad background in biological, chemical, and physical oceanography. Management, design, integration, operation & maintenance of real-time oceanographic measurement systems primarily associated with NOAA PORTS systems. Specializing in programming, deploying, maintaining and troubleshooting ADCPs, tide gauges, meteorological and oceanographic equipment.

Higher Education

Ph.D., Oceanography-College of Marine & Earth Studies,
University of Delaware
M.S., Marine Studies-College of Marine Studies, University of
Delaware
B.A., Biological Studies-University of Delaware

Employment History

2007-Present Field Oceanographer, Woods Hole Group
1998-2007 Research Assistant, University of Delaware
1998 Field Scientist, Woodward-Clyde International-Americas

Key Projects

National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), Physical Oceanographic Real-Time Systems (PORTS), Delaware River & Bay, DE – Local Operator

Serve as Local Operator for Delaware River and Bay PORTS program (total of 13 stations). Responsible for performing routine and unscheduled service to real-time oceanographic and meteorological instruments throughout the Delaware Bay and River. Responsible for overseeing all aspects of system operations including coordination of routine and emergency service maintenance activities, daily communications with NOAA Task Managers, and monthly & annual reporting.

Key Projects (continued)

National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), Physical Oceanographic Real-Time Systems (PORTS), Chesapeake Bay, MD – Local Operator

Serve as Local Operator for Chesapeake Bay PORTS program (total of 37 stations). Responsible for performing routine and unscheduled service to real-time oceanographic and meteorological instruments throughout the Chesapeake Bay. Responsible for overseeing all aspects of system operations including coordination of routine and emergency service maintenance activities, daily communications with NOAA Task Managers, and monthly & annual reporting.

National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), Physical Oceanographic Real-Time Systems (PORTS), New York and New Jersey Harbor, NY – Back-up Local Operator

Serve as PORTS technical and management assistant to Project Manager, Robert Catalano (total of 10 stations). Assist on an as-needed basis with operation & maintenance, coordination and monthly reporting tasks, including reporting and field support for routine operation & maintenance activities, annual inspections and emergency services.

The Effects of Climate Change on Phytoplankton Community Structure, University of Delaware – Research Assistant

Led multiple research projects focused on the effects of predicted global climate variations, including temperature, light, iron, and carbon dioxide on algal community structure in the North Atlantic, Ross Sea, and Bering Sea. Designed and maintained sampling equipment for shipboard research projects. Served as primary researcher or project leader.

The Effects of Iron and Trace Metal Supply on Phytoplankton Community Structure due to Variations in Iron Supply to Oceanic Euphotic Zone, University of Delaware – Research Assistant

Multiple research projects focused on the effects of variations iron supply rates to the euphotic zone on algal community composition in the Peru Upwelling Zone and Southern Ocean. Designed and maintained sampling equipment for shipboard research projects. Served as primary researcher.

Ecology, Trophic Interactions and Composition of Harmful Algal Species Populations in Delaware Inland Bays, University of Delaware – Research Assistant

Multiple research projects focused the harmful algal species populations within the Delaware Inland Bays. Projects focused on ecological studies including nutrient requirements, trophic level interactions, and characterization of populations. Served as both a primary researcher and assisted other researchers on projects.

Publications and Presentations: 22

Presentations 9

Publications 13