



Zachary J. Dukenfield
Marine Technician

Expertise

Preparation, installation, and maintenance of real-time monitoring systems, including the deployment of Acoustic Doppler Current Profilers (ADCPs), tidal and meteorological equipment. Regular quality-control of data for all stations in the Delaware River and Bay, Chesapeake Bay, New York / New Jersey Harbor, and Jacksonville PORTS systems.

Education

Diploma of Automotive
Technology – 2007
Automotive Training Center,
Exton, PA

Qualification Summary

- Experience with calibration, and maintenance of oceanographic and land-based meteorological monitoring equipment
- Assembly, deployment , and recovery of ADCP systems
- Experience in quality control and analysis of real-time oceanographic data
- Experience at sea, working on both small boats and large vessels
- Installation and maintenance of NOAA real-time monitoring station
- Experience with Procomm Plus, Aqua Pro and XTerm
- Certified in OSHA 40 Hour HAZWOPER, In accordance with Federal OSHA regulations

Work Experience

2013-Present Marine Technician, Woods Hole Group, Inc.
2003-2013 Head Forman/Technician, Colony Pool Service, Inc.

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 – Marine Technician

Serve as PORTS technical assistant to Project Manager, Clinton Hare, and Delaware Field Office. Provide support for routine operation & maintenance, annual inspection, and emergency service visits.

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 – Marine Technician

Serve as PORTS technical assistant to Project Manager, Clinton Hare, and Delaware Field Office. Provide field support for routine operation & maintenance, and emergency service visits.

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/New Jersey Harbor – Marine Technician

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Philadelphia Water Department, Measurements of Current Profile and Sediment Oxygen Demand in Select Tidal Reaches for the City of Philadelphia – Marine Technician

Serve as Marine Technician, providing technical support for short-term current meter deployments.