

Ryan Morman, A.A.S.

Marine Technician

EXPERTISE

Preparation, installation, and maintenance of real-time monitoring systems, including the maintenance 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, FL.

QUALIFICATION SUMMARY

- 3 years of preparation, calibration, and maintenance of oceanographic and meteorological monitoring equipment
- Assembly, deployment, and recovery of ADCP systems
- 5 years of experience with biological and hydrographic surveying
- 3 years of 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 stations

WORK EXPERIENCE

2017-Present Woods Hole Group, Marine Field Technician
2017 Cape Fear Community College, Marine Technology Department, Instructional Technician
2016-2017 Wilmington Yacht Charters, Mate
2013-2015 North Carolina National Guard, Infantry, Team Leader
2007-2013 United States Army, Infantry, Team Leader/SUAV Team NCOIC



Education

2016 – A.A.S.
Marine Technology
Cape Fear Community College
2016 – A.S.
General Education
Cape Fear Community College

Licenses and Registrations

SCUBA Open Water Diver –
2015 – NAUI
CPR & First Aid

Professional Affiliations

-N/A

Publications & Presentations

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KEY PROJECTS

National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), Great Lakes VDatum Water Level Stations – Marine Technician

Serves as marine technician providing technical and field support to Party Chief, Dan Weirauch, with station reconnaissance, installations, and removals for seasonal water level stations in the Great Lakes region in support of hydrographic and shoreline mapping and new release of the International Great Lakes Vertical Datum 2020. Provide technical and field support for installations, removals, and emergency maintenance visits.

Planning Studies and Feasibility Analysis to Mitigate High Concentrations of Nitrogen and Phosphorous in the South Bethany Canals– Field Technician

Serves as field technician in support of investigation of canal sediment characterization and distribution, including sediment sampling, description, and delivery for analysis.

FAST Eddy, Gulf of Mexico, USA. Eddy Watch – Marine Technician

Serves as onsite technical support. Monitoring and troubleshooting FAST Eddy system. Communicates with vessel captain and project supervisor to ensure proper vessel track and quality data collection.

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

Serves as marine technician, providing assistance to Project Manager, David Walsh, for long-term current monitoring buoys, short term current meter deployments, and water quality sampling. Perform current meter calibrations, data recovery, and routine system inspections. Perform routine inspection, cleaning, calibration, and configuration of water quality instrumentation.

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

Serves as PORTS technical assistant to Project Manager, Clinton Hare, and Delaware Field Office. Provide support for routine operation & maintenance, annual inspection, station installations, 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

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

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), New York/New Jersey Harbor – Marine Technician

Serves as PORTS technical assistant to Project Manager, Clinton Hare, and Delaware Field Office. Provide field support for routine operation & maintenance activities, 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), Jacksonville, FL – Marine Technician

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