



James D. Spilsbury, B.S.

Marine Technician

Expertise

Preparation, installation, and maintenance of real-time, long-term, and short-term oceanographic monitoring systems, including Acoustic Doppler Current Profilers (ADCPs), water level monitoring equipment, and meteorological monitoring equipment. Responsible for managing, planning, reporting, and customer correspondence on a number of projects, and regularly quality-control data for all stations in the New York/New Jersey Harbor, Narragansett Bay, New London, and New Haven PORTS systems. Experience with computer programming, hardware installation, and electronics device troubleshooting.

Education

B.S. Marine Science – 2010
University of Maine

Licenses and Registrations

- Merchant Mariner Credential for 100-ton Inland Captain's License

Professional Affiliations

Current CPR and First Aid Training

HAZWOPER 40 Hour Training

SafeGulf/SafeLand

Offshore Water Survival/HUET

Signal Person and Rigger Training

Qualification Summary

- Experience with deployment, operation, maintenance, and recovery of real-time oceanographic and meteorological measurement systems
- Experience with calibration and maintenance of oceanographic and meteorological sensors
- Assembly, deployment, and recovery of current monitoring systems
- Experience in quality control and analysis of real-time oceanographic data
- Possesses strong writing, verbal communication, and organizational skills
- Experience with small boat handling and operations
- Software experience with Sutron XTerm, ProComm Plus, AceManager, Windesc, Translev, Sontek SonUtils, RD Instruments, Nortek AquaPro, Microsoft Office
- Computer hardware and electronic device troubleshooting

Work Experience

2014 – Present	Marine Technician, Woods Hole Group Inc.
2012 – 2014	Marine Science Technician, Versar
2011 – 2012	Data Analyst, Earth Resources Technology
2010 - 2011	GIS Analyst, DeLorme
2004 - 2010	Captain, Portland Discovery Land and Sea Tours

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), Narragansett Bay - Marine Technician

Serve as PORTS technical assistant to Project Manager, Clinton Hare. Assist on an as-needed basis with technical support and reporting tasks, including field support for routine operation & maintenance activities and emergency service.

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 - Marine Technician

Serve as PORTS technical assistant to Project Manager, Clinton Hare. Assist on an as-needed basis with technical support and reporting tasks, including field support for routine operation & maintenance activities and emergency service.

National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), Hurricane Sandy Station Improvements at Conimicut Light, Quonset Point, Bergen Point, and Brandywine water level and meteorological stations, Marine Technician

Served as marine technician, providing assistance to Project Manager, Clinton Hare, to complete station upgrades at NOAA water level and meteorological stations damaged by Hurricane Sandy. Major maintenance activities included the repair of existing station infrastructure, the construction and installation of new storm hardened structural station components, the installation of new station equipment and sensors, and installation of new Microwave water level sensors.

National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/COOPS), Hurricane Sandy Station Improvements at The Narrows and Quonset Point current meter stations, Marine Technician

Served as marine technician, providing assistance to Project Manager, Clinton Hare, to complete station upgrades at NOAA current meter stations damaged by Hurricane Sandy. Major maintenance activities included the repair of existing station infrastructure, the construction and installation of new storm hardened structural station components, and the deployment of new current meter instruments and equipment.

Offshore Met-Ocean Mooring and Buoy Deployment and Retrieval, Gulf of Mexico – Marine Technician

Assist in the deployment, retrieval, and servicing of a deepwater three meter surface buoy mooring system equipped with a wide array of oceanographic and meteorological sensors.

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 assistance to Project Manager, David Walsh, for long-term current monitoring buoys and short-term current meter deployments. Perform current meter calibrations, data recovery, and routine system inspections. Assist with survey data collection for short-term current meter deployments.

Key Projects (continued)

National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Chesapeake Bay Office, Chesapeake Bay Interpretive Buoy System (CBIBS) 2012 – 2014 – Marine Science Technician

Served as lead field technician and project manager for the CBIBS buoy system, responsible for deploying, maintaining, and repairing buoys, moorings, sensors, and buoy equipment. Manage the field activities of other personnel and subcontractors working on the CBIBS system, calibrate and repair all sensors, track inventory and complete maintenance logs, coordinate small boat operations, and perform daily monitoring and QA/QC for the system.

National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/CO-OPS), National Water Level Observation Network (NWLON), West Coast Stations (California, Oregon, and Washington) 2011 – 2012 – Data Analyst

Served as data analyst on the Operational Engineering Team (OET) monitoring and maintaining tide stations belonging to the National Water Level Observation Network (NWLON). Reviewed field documentation and processed station metadata ensuring all data met CO-OPS specifications and requirements.

National Oceanic and Atmospheric Administration, National Ocean Service, Center for Operational-Oceanographic Products and Services (NOAA/NOS/CO-OPS), VDatum (Georgia) 2011 - 2012 – Data Analyst

Served as data analyst on the Operational Engineering Team (OET) monitoring and maintaining short-term water level stations installed in Georgia for the VDatum Program. Reviewed field documentation and processed station metadata ensuring all data met CO-OPS specifications and requirements.