

Qualifications Summary

- 13 years of experience as a Captain, operating and maintaining marine vessels
- Six years of Field Technician experience
- Benthic dredging and water quality monitoring survey experience
- Experience with mobilization and demobilization of equipment, sample collection and analysis, shipment of samples, oversight and training of staff, and collection of hydrographic data

J. MICHAEL WALSH, B.S.

Field Technician/Marine Vessel Captain

Fields of Expertise

Design, deployment, retrieval, and maintenance of YSI moorings; baseline collection of water and sediment at potential drill sites, including CTD setup, box core assembly, sample acquisition, processing, custody, and oversight of subcontractors; managing vessels including inspections and licensing, regulated safety equipment, and safety training for crew/scientific personnel.

Higher Education

B.S., Geography, Environmental Concentration - Bridgewater State College, Bridgewater, MA (1997)

Employment History

2010-Present Field Technician/Marine Vessel Captain, Woods Hole Group, Inc.
2008-2010 Environmental Consultant, J.M. Walsh Consulting
2004-2008 Master 45' R/V Aquamonitor, Chief Scientist, Lead Field Technician, Battelle Ocean Sciences, Duxbury, MA
1997-2004 Commercial Fisherman/Self Employed Commercial Fisherman

Licenses, Certificates, and Training

- Master 100-ton Near Coastal Captain's License
- 40 Hour HAZWOPER and current refreshers
- 8 Hour HazSite Supervisor
- Complete Ground-Water Sampling Field Course (Nielsen Environmental Field School)
- Possesses TWIC card
- 40-hour Combined Basic and Advanced Shipboard Firefighting
- 8-hour Elementary First Aid, CPR and AED
- 12½-hour Personal Survival
- 4½-hour Personal Safety and Social Responsibilities
- Assistance Towing
- Offshore HUET Survival Training

Key Projects

Offshore Oil Exploration, Libya – Field Technician

Shift lead for two-month survey in offshore Libyan waters for baseline collection of water and sediment at potential drill sites. CTD setup, box core assembly, sample acquisition, processing, custody, and oversight of subcontractors.

New Bedford Harbor Superfund Site Dredging Project for the U.S. Army Corp of Engineers, New Bedford, Massachusetts – Boat Captain/Field Consultant

Provided scientific and technical advice during field effort for the transitioning contract team. Collected sediment cores, traps, grabs. Conducted water quality monitoring surveys, which included the deployment/retrieval of YSI moorings. Captained survey vessels in numerous sediment vibra/push core surveys.

New York Long Outfall Feasibility Study, Hazen and Sawyer, Jamaica Bay, New York – Chief Scientist/Field Lead

Developed survey plans and reports. Provided oversight in the design, deployment, retrieval, and maintenance of YSI moorings for water quality monitoring.

Harbor and Outfall Monitoring Program, Massachusetts Water Resource Authority (MWRA), Boston, Massachusetts - Lead Technician

Water column and Alexandrium (Red Tide) Rapid Response surveys. Mobilization and demobilization of equipment, sample collection and analysis, shipment of samples, oversight and training of staff, and collection of hydrographic data. Filtration of nutrients (including BSI, PP, TDNP, PCN, CHLa, and TSS); and titration of Dissolved Oxygen. Box coring and grab sampling and associated processing of benthic infauna and chemistry samples.

Multi-year surveys, Minerals Management Service, Prudhoe Bay, Alaska - Lead Field Technician

Developed survey plans and reports, shipped equipment and samples. Performed benthic dredging and water quality monitoring surveys, conducted the deployment/retrieval of mussels and plankton tows, and collected sediment gravity cores and grabs.

USACE, New England District – Field Technician

Conducted sediment core surveys for the Army Corp of Engineers for lab testing in support of environmental assessment throughout New England. Assisted in the collection and processing of vibracore sediment samples.

Northeast Gateway and Hubline LNG (Liquid Nitrogen Gas) Pipeline Projects, Boston, Massachusetts (Massachusetts Bay) – Field Technician

Participated in baseline and post pipeline installation SPI (Sediment Profile Imaging) surveys. Collected and processed benthic sediment samples for both infauna and chemistry.