



Geo SubSea LLC
Marine Geoscience Consulting
Bringing submerged geology to light

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Oceanographer
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Company History:

Geo SubSea was formed in August 2015 to meet the needs of the offshore industry marketplace, where the reduction in overall marine work was and still is advantageous for consulting professionals. Companies increasingly are maintaining a smaller core staff and utilizing the vast experience and expertise of qualified consultants to successfully complete projects when the workload demands.

Background and Experience:

Jeff is well versed in most aspects of marine operations having supervised and conducted hundreds of surveys in the U.S. and around the world for over 27 years. He holds a BS in Marine Geology and an MS in Oceanography along with national and state Professional Geology certifications. He also has over 32 years SCUBA diving experience in many different environments focused on scientific research. His background provides any project team with the experience and knowledge in submarine geology and oceanographic studies to offer clients the highest quality scientific support.

Jeff's specialty includes the use of geophysical methods to study coastal processes, marine sediments and stratigraphy, underwater archaeology, and benthic habitats. He has extensive experience on a wide range of marine engineering projects including offshore energy (wind, LNG, power, communications) and associated submarine cables and pipelines, beach replenishment and shoreline stabilization, dredging, search and recovery, inspection of man-made features, environmental compliance, water resources, and wastewater discharge. He is also familiar with oceanographic data acquisition which is commonly paired with geological investigations, as the interaction of currents, waves, and tidal forces with the seabed create a constantly changing submarine landscape that can impact the stability of man-made structures.

Jeff is equally experienced at all phases of post-survey data processing, analysis, interpretation and product development. He works closely with the client to determine the most suitable method of presenting the survey data/results and conveying important information in a timely fashion. Quick turn-around of results is critical in this industry today, as subsequent phases of projects hinge on the accuracy and reliability of the acquired scientific information. He has authored more than 225 technical scientific reports on marine survey results and published a number of other unique science articles.



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Capabilities:

- Project management from pre-survey planning to product delivery
- Supervision of field program and data acquisition
- Operation of geophysical, oceanographic, and remote sensing equipment
- Conventional towed surveys and autonomous underwater vehicles
- Client representation
- Act as quality control officer
- Supervision of data processing efforts
- Processing geophysical, oceanographic, and remote sensing datasets
- Analysis and interpretation of geophysical data
- Development of scientific products
- CAD/GIS compatible work for generating maps/drawings
- Writing technical reports
- Client interface through entire project (meetings, all comms)
- Coordination with federal/state agencies

Resources:

Primary company resources include people, knowledge, computers and software. Years of working in the industry have resulted in many collaborative partnerships and close working relationships. In addition to numerous qualified personnel available to assist Geo SubSea, there are opportunities to team with other highly competent companies, and numerous equipment rental houses to draw from. All resource options are carefully considered to assemble the most suitable people, equipment, and experience for the project team.

Industry Involvement:

Energy; wind farms, natural gas
Linear routing for cables and pipelines
Beach replenishment, shoreline protection
Harbor dredging and disposal
Bridge scour studies, inspections
Inland reservoir mapping
Wastewater discharge mapping
Long term oceanographic monitoring

Site clearance; charting and pre-construction
Marine archaeological investigations
Benthic habitat/resource mapping
Monitoring of man-made structures
UXO and buried cable/pipeline detection
Jack-up rig and geotechnical clearance
Structure decommissioning
Geohazard site investigations



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Clients (past and present):

Durocher Marine (Kokosing Co.)
Offshore Analysis and Research Solutions
University of Rhode Island
Tiburon Subsea
Semper Diving and Marine
MMT Sweden AB
GZA GeoEnvironmental
SEARCH₂O, Inc.
HydroData, Inc.
RC Goodwin and Associates
Offshore MW
DONG Energy
ESS Group
AECOM
CH2M HILL
Black & Veatch
Duke Energy
Bluewater Wind
Appledore Engineering

HDR, Inc.
Power Engineers
Liberty Natural Gas
National Grid
US Navy
Great Lakes Dock & Dredge
Project Consulting Services
Entrix
Deepwater Wind
MWH Global
Prysmian Cables
US Army Corps of Engineers
Haley & Aldrich
Tetra Tech
TRC Solutions
Epsilon Associates
American Electric Power
Mueser Rutledge
Spectra Energy

And many more....