

# MARINE GEOMATICS

## Analytics and Hydrography



*Fresh water and near shore geophysical surveys*



*Marine sediment sampling to classify surficial geology and benthic habitats*



*Uncrewed surface vessel used to remotely survey the seafloor and lake beds*

Strum's GIS and Remote Sensing team assists with various projects from inception to delivery. Remote sensing and GIS allow for capturing, analyzing, and visualizing spatial data. These services provide a comprehensive view of projects to support critical decision making through all stages of a project. Our Marine Geomatics team executes detailed fresh and saltwater benthic and geophysical surveys to provide clients with a better understanding of coastal monitoring, ocean mapping, environmental impacts, marine construction, and transportation planning.

### KEY SERVICES

- Fresh and saltwater benthic surveys
- Advanced GIS modeling
- 2D and 3D visualization
- Remote sensing
- Ocean mapping
- Underwater noise monitoring
- Benthic habitat monitoring
- Geophysical surveys
- Data analysis

### CLIENTS

- Municipalities
- Federal and provincial governments
- Real estate companies
- Marine developers
- Transportation companies
- Renewable energy companies
- Commercial developers
- Residential developers
- Golf course developers
- Construction industry
- Utility providers
- Industrial facilities
- Local landowners
- Ports of Call

### RECENT PROJECTS

- Everwind Fuels, various green energy projects, Eastern NS
- Marine survey for offshore oil & gas support facilities, Sheet Harbour, NS
- St. Mary's Bay marine surveys for aquaculture facilities, NS
- Develop NS bathymetry surveys, Halifax and Lunenburg, NS
- Halifax Harbour bathymetry surveys, Halifax, NS
- Marine geophysical surveys for Goldboro Marine Terminal, Goldboro, NS

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