1.6 The Opening NW Passage: Resources, Navigation, Sovereignty & Security

Summary

**Project Leader(s)**
Hughes Clarke, John  
Blasco, Steve  

This project will map the bottom topography and geological structure of the NW Passage and other regions of the Canadian Archipelago as a first step towards the management of increased intercontinental ship traffic and resource exploration as ice conditions improve, and will contribute invaluable information to assess the economic, sovereignty and security implications of an ice-free NW Passage. The objectives of the project include: 1) to compile corridors of precise high resolution bathymetry, and seabed geomorphology; 2) to improve the mapping of the surficial geological environment of the Canadian Archipelago channels; 3) to obtain sediment cores and grabs of the Holocene record for paleoceanographic analyses at optimal sites in the region.

People

**Network Investigators**
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Natural Resources Canada - Office of Energy Research and Development
Canadian Hydrographic Service (Central & Arctic Region)
Natural Resources Canada - Geological Survey of Canada (Atlantic)
Kongsberg Maritime
C&C Technologies

Publications

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