DFO Science Vessel Charters Pacific

Stock Assessment and Ecosystem Research Programs

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Programs

Stock Assessment

- Small-mesh bottom trawl survey (e.g. shrimp).
- Groundfish synoptic bottom trawl surveys.
- Juvenile salmon mid-water trawl surveys.
- Pacific Hake acoustic and mid-water trawl surveys.
- Longline and Trap surveys (i.e. rockfish and crustaceans).
- Invertebrate dive surveys (i.e. echinoderms).

Ecosystem

- Integrated pelagic ecosystem.
- Marine protected areas.
- Marine mammals.
- Predator/prey interactions.
- Habitat mapping.



Types of Vessels/Capabilities

- Trawlers/Draggers (surface to deep-water >500m).
 - Net mensuration/trawl geometry.
- Longline/Trap
- Trollers (salmon).
- Seiners (salmon).
- Acoustic Sounder Frequencies (38, 120, 200 kHz)
- Marine mammals observation (Big eye binoculars).
- Tender transport and deployment (dive, remote intertidal).
- CTD, ROV, AUV, plankton net deployment.
- Wet lab and dry lab.

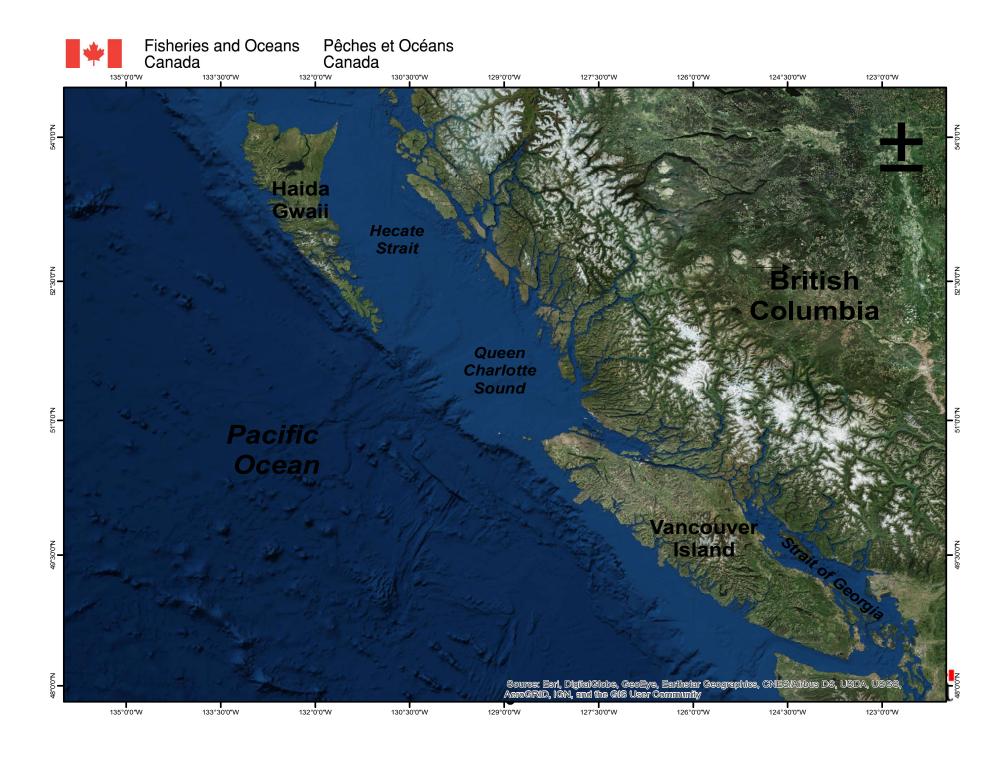




Area of Operations

- Offshore (7 to 28 day missions).
 - WCVI, QC Sound, Hecate Strait, WC Haida Gwaii.
 - Sea mounts, Continental Slope.
- Near-shore (7 to 28 day missions).
 - SOG, JDF, Mainland Inlets, etc.).







Personnel Onboard

- Program specific:
 - DFO Science crew varies from 2 to 16.
 - Mixed gender.
 - Ship's personnel 2 to 8.
- Transportation:
 - Ports for crew changes.
 - PBS Nanaimo, IOS Sidney, Ucluelet, Port Alberni, Port Hardy, Prince Rupert.



Timing

- Day and night-time operations.
- 12 hr to 24 hr operations.
- Spring through Fall.
 - Biological.
 - Weather.

