

0 0.25 0.5 1 Kilometers

Shoreline Habitat

The Habitat Type provides a simplified picture of the "look" of the unit overall, based on the detailed biophysical attributes that have been mapped. The Habitat Type category is a summary of the observations of both the unit's biological and geomorphological features.

Each Habitat Type has a definition that includes the typical substrate, wave exposure and biobands. For example, for the Semi-exposed, Immobile substrate Habitat Type, part of the definition of that class is a certain combination of the most likely biobands and indicator species present at a bedrock shoreline with no mobile sediment present.

How is Habitat Type determined?

Each Habitat Type has typical biological features (including both an indicator species list and typical associated biobands).

To determine a Habitat Type, the biomapper looks at the along-shore units as designated and described by the physical mapper, and

1. reviews the physical mapping for the biobands in the unit and looks for indicator species,

2. assigns a bio-breakage exposure category,

3. reviews the physical mapped information, and

4. assigns the Habitat Type that best describes the unit.

The Habitat Type is based on the whole unit and is similar to the physical mappers use of the 'Coastal Class' category, in that the along-shore data are summarized into one attribute. The simplified category describes the features of the whole unit.

Habitat Type is a summary of the biophysical classification of the whole shore unit, based on:

• the substrate type(s) in the unit,

• the wave exposure as indicated by the bands, and

• the substrate types in the unit.

Legend Definitions

CC - Coastal Classification number

Wave Exposure

E - Exposed - High wave exposure, open ocean swell usually fetches >500km

VE - Very Exposed - Extreme high wave exposure

SE - Semi Exposed - High wave exposure, open shorelines, areas between fully exposed and more sheltered, usually fetches 50 to 500km

P - Protected - Low wave exposure, sheltered inlets, usually fetches less than 10km

SP - Semi Protected - Moderate wave exposure, partly sheltered, usually fetches 10-50km

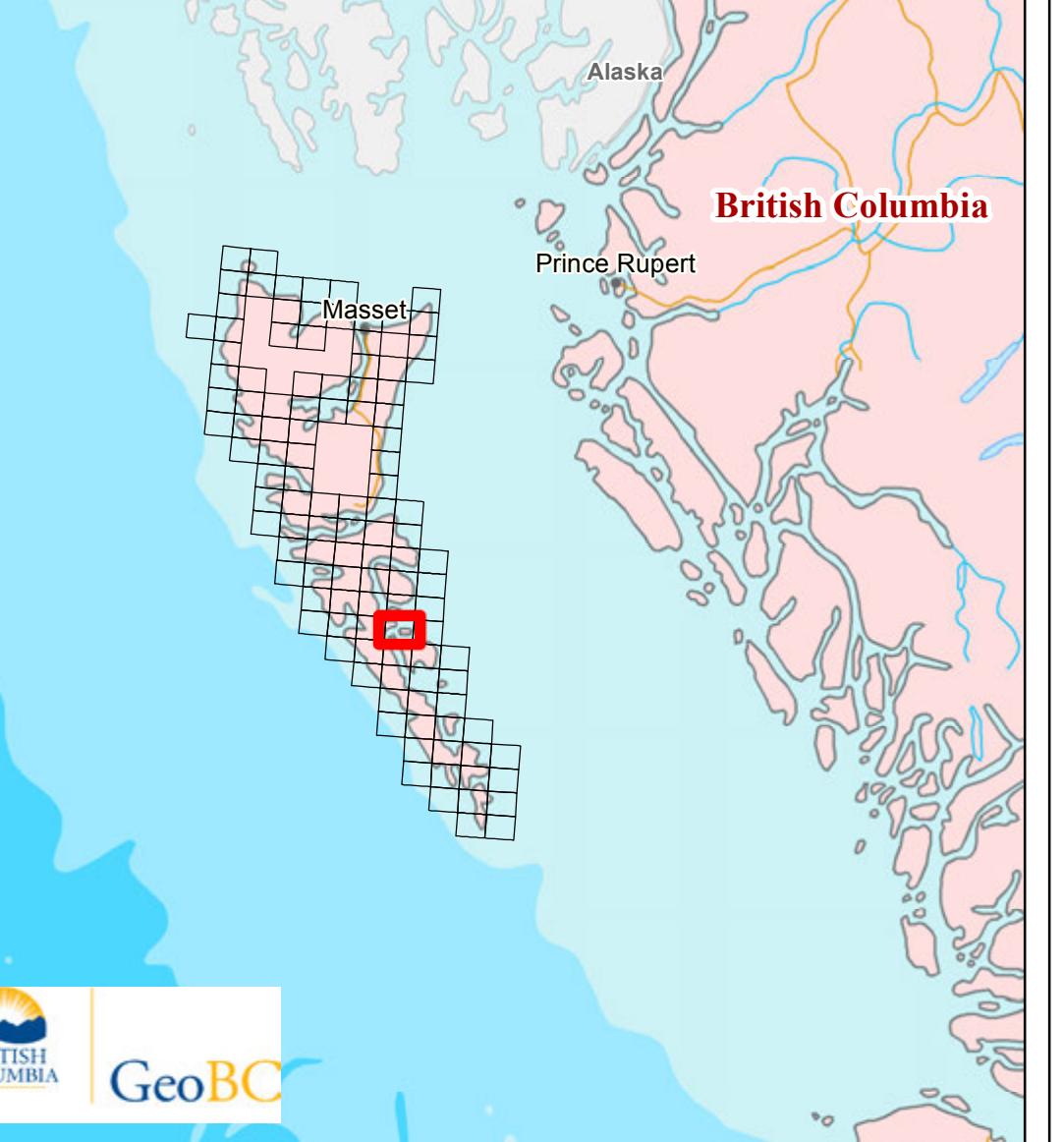
VP - Very Protected - Very low wave exposure, fetches < 1km, sheltered anchorages at heads of bays and inlets

Table QCI/GH. Original spp/hab from Gwai Haanas

Habitat Classification Based on Visible Macro-Biota Assemblages for the Queen Charlotte shoreline

SUBSTRATE STABILITY	IMMOBILE SUBSTRATES					MOBILE OR PARTIALLY MOBILE SUBSTRATES			CERFENT- DOMINATED SEDIMENT
	BEDROCK	BEYROCK	BEDROCK-BOULDER	BEDROCK-GRAVEL	BEDROCK-GRAVEL	SAND & GRAVEL	ESTUARY OR SALTWATER SEDIMENT	SEABED	
MAJOR SUBSTRATE COASTAL- CLASSES	1-20	1-20	1-23, 32, 33	1-23, 33	1-23, 33	24, 25, 26, 32	24, 25, 26, 32	21-30	34
EXPOSURE	VE	E	SE	SP	VP, P	SP	VP, P, SP	SE, E	VP, P, SP
COMMUNITY CODE MAPPING	1	2	3	4	5	6	7	8	9
upper	Fernaria	Fernaria	Vermicaria Enteromorpha	Vermicaria Enteromorpha	Vermicaria Enteromorpha	Vermicaria Enteromorpha	Vermicaria Enteromorpha	grasses & rushes Salicornia	10
	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	
			Fucus distichus	Fucus distichus	Fucus distichus	Fucus distichus	Fucus distichus		
middle	Palicourea polycarpa (Semibalanus cariosus)	Palicourea polycarpa (Semibalanus cariosus)	Athyrium filix-femina	Semibalanus cariosus	Mytilis truncata	Semibalanus cariosus	Ulmia Urticaria spp.	Mytilis truncata	Mytilis truncata
								Ulmia Urticaria	
midlow	Florula nonis morph	Florula nonis morph	Hedysarum glabiforme	Hedysarum glabiforme	Hedysarum glabiforme	Codium fragile	Codium fragile		
lower	Lemnaceae littoralis (Lemnaceae strictifolia)	Lemnaceae littoralis (Lemnaceae strictifolia)	Lemnaceae angustifolia	Lemnaceae angustifolia	Lemnaceae angustifolia	Lemnaceae angustifolia	Lemnaceae angustifolia	Lemnaceae angustifolia	
subtidal	Nereocystis luetkeana	Nereocystis luetkeana	Nereocystis luetkeana	Nereocystis luetkeana	Nereocystis luetkeana	Macrocystis integrifolia	Nereocystis luetkeana	Macrocystis integrifolia	

* Bolding indicates diagnostic species used to distinguish "communities". Square brackets [] enclose species at VE AB, OHS 1 which may be present but are in reduced abundance and size. Note that the absence of species assemblies are as diagnostic as species' presence. Community Code type 1 (VE - very exposed) occurs only on the southwest coast of Moresby Island.



Geographic Boundary Commission of British Columbia