



Legend

Mobile/Partially Mobile Substrates	
6 - Sand & Gravel - CC 24-26, 32 - SP	
7 - Sand & Gravel - CC 24-26, 32 - VP/P	
8 - Estuary or Sand/Mud - CC 27-31 - VP/P/SP	
9 - Sediment - CC 21 - 30 - SE/E	

Immobile Substrates	
1 - Bedrock - CC 1-20 - VE	
2 - Bedrock - CC 1-20 - E	
3 - Bedrock/Boulder - CC 1-23, 32, 33 - SE	
4 - Bedrock/Gravel - CC 1-23, 33 - SP	
5 - Bedrock/Gravel - CC 1-23, 33 - P/VP	

Current Dominated	
10 - Bedrock or Sediment - CC 34 - VP/P/SP	

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 the Habitat Type, the biogeographer 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-break wave 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 detailed across-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 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 swellism usually fetches >500km
VP - 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 Haanis

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

SUBSTRATE STABILITY	IMMOBILE SUBSTRATES					MOBILE OR PARTIALLY MOBILE SUBSTRATES			CERFENT-DOMINATED	
	BEDROCK	BEDROCK	BEDROCK-BOULDER	BEDROCK-GRAVEL	BEDROCK-GRAVEL	SAND & GRAVEL	SAND & GRAVEL	ESTUARY OR SALTWATER	SEDIMENT	
MAJOR COASTAL CLASSES	1-20	1-20	1-23, 32, 33	1-23, 33	1-23, 33	24, 25, 26, 32	24, 25, 26, 32	27, 28, 29, 30,	21-30	34
EXPOSURE	VE	E	SE	SP	VP, P	SP	VP, P	VP, P, SP	SE, E	VP, P, SP
COMMUNITY CODE	1	2	3	4	5	6	7	8	9	10
upper	Fernaria	Fernaria	Fernaria	Fernaria	Fernaria	Fernaria	Fernaria	Fernaria	grasses & rushes	
	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Salicornia	
middle	Palicourea polymorpha	Palicourea polymorpha	Mytilis californiana	Alytia californica	Mytilis californiana	Mytilis truncata	Mytilis truncata	Mytilis truncata	grasses & rushes	
	(Semibalanus cariosus)	(Semibalanus cariosus)		Semibalanus cariosus	Semibalanus cariosus	Uva Uva spp.	Uva Uva spp.	Uva Uva spp.	Salicornia	
midlow	Florula nonosa	Florula nonosa	Alaria nonosa	Alaria nonosa	Hydrocynus glomeriforme	Hydrocynus glomeriforme	Hydrocynus glomeriforme	Hydrocynus glomeriforme	grasses & rushes	
	(Nonosa nonosa)	(Nonosa nonosa)	(Nonosa nonosa)	(Nonosa nonosa)	Codium fragile	Codium fragile	Codium fragile	Codium fragile	Salicornia	
lower	Lemnaceps lateralis	Lemnaceps lateralis	Lemnaceps lateralis	Lemnaceps lateralis	Lemnaceps lateralis	Lemnaceps lateralis	Lemnaceps lateralis	Lemnaceps lateralis	grasses & rushes	
	(Lemnaceps lateralis)	(Lemnaceps lateralis)	(Lemnaceps lateralis)	(Lemnaceps lateralis)	Lemnaceps lateralis	Lemnaceps lateralis	Lemnaceps lateralis	Lemnaceps lateralis	Salicornia	
subtidal	Nereocystis luetkeana	Nereocystis luetkeana	Nereocystis luetkeana	Nereocystis luetkeana	Nereocystis luetkeana	Nereocystis luetkeana	Nereocystis luetkeana	Nereocystis luetkeana	grasses & rushes	

* 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.

