



Legend

●	Unit Break Points
○	Mobile/Substrates
●	Immobil Substrates
○	Current Dominated
○	Tidal Lagoon

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/SP
- 9 - Sediment - CC 21 - 30 - SE/E

Immobil 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

Tidal Lagoon

- 11 - Bedrock or Sediment - CC 35 - VP/P/SP

CC Type

Rock Shores characterized by a lack of clastic sediments such as gravel or sand.

● Sedimentary types have substrates that have little or no bedrock crossing out

● Rock Rampe, Wide
● Rock Platfrom Wide
● Rock Rampe, Narrow
● Rock Platfrom Narrow

● Rampe with Gravel Beach, Wide
● Platfrom with Gravel Beach, Wide
● Rampe with Gravel Beach, Narrow
● Platfrom with Gravel Beach, Narrow

● Rampe with Sand and Gravel Beach, Wide
● Platfrom with Sand and Gravel Beach, Wide
● Rampe with Sand and Gravel Beach, Narrow
● Platfrom with Sand and Gravel Beach, Narrow

● Cliff with Sand and Gravel Beach, Wide
● Cliff with Sand and Gravel Beach, Narrow

● Cliff with Sand Beach, Wide
● Cliff with Sand Beach, Narrow

● Platfrom with Sand Beach, Wide
● Platfrom with Sand Beach, Narrow

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 biomapper looks at the along-shore Units as designated and described by the physical mapper, and 1. reviews the physical mapped information, 2. assigns the bio-draws exposure regions, 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 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 swellism 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 MIDCOAST and NORTH COAST project area which includes BIO AREAS CC, JS and NC. The Species/ wave exposure/substrate table for Habitat Classification (HAB_OHS), for the Mid-coast BC study area, from Johnstone Strait/Central Coast Mapping Regions 5, 6 and 7.

SUBSTRATE STABILITY	IMMOBILE SUBSTRATES				MOBILE OR PARTIALLY MOBILE SUBSTRATES				CURRENT DOMINATED		TIDAL IAGOON
	SAND & GRAVEL	SAND & GRAVEL	SAND & GRAVEL	SEDIMENT	SAND & GRAVEL	SAND & GRAVEL	SAND & GRAVEL	SEDIMENT	BEDROCK OR SEDIMENT	BEDROCK OR SEDIMENT	
MAJOR SUBSTRATE	BEDROCK	BEDROCK/BOULDER	BEDROCK/GRAVEL	BEDROCK/GRAVEL	24 - 30, 32	24 - 30, 32	24 - 30, 31	has SAL band	24-30	34	35
COASTAL CLASSES	1-20	1-23, 32, 33	1-23, 33	1-23, 33	SP	SP	VP, P	VP, P, SP	SE, E	VP, P, SP	VP, P, SP
EXPOSURE	E	SE									
CURRENT CLASS	2	3	4	5	6	7	8	9	10	11	
CC (old & new)											
upper	Verrucaria	Verrucaria	Verrucaria	Verrucaria	Verrucaria	Verrucaria	Verrucaria	grasses & rushes			
	Endeomyces	Endeomyces	Endeomyces	Endeomyces	Endeomyces	Endeomyces	Endeomyces	Seagrass			
	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	algae & vegetation			
	Fucus distichus	Fucus distichus	Fucus distichus	Fucus distichus	Fucus distichus	Fucus distichus	Fucus distichus	rocks			
middle											
	Polyplex polyphemus*	Mytilus californianus*	Mytilus californianus*	Mytilus californianus*	Mytilus californianus*	Mytilus californianus*	Mytilus californianus*	Mytilus troxulus*			
	Semibalanus cariosus*	Semibalanus cariosus*	Semibalanus cariosus*	Semibalanus cariosus*	Semibalanus cariosus*	Semibalanus cariosus*	Semibalanus cariosus*	Utricularia spp.	Utricularia spp.	Utricularia spp.	Utricularia spp.
mid low											
lower	Hedophyllum sente										
	Phyllospadix sceleratus										
subtidal											
	Nereocystis laevis	Nereocystis laevis	Nereocystis laevis	Nereocystis laevis	Nereocystis laevis	Nereocystis laevis	Nereocystis laevis	Macrocystis integrifolia	Macrocystis integrifolia	Macrocystis integrifolia	Macrocystis integrifolia
								Agorum spp.	Agorum spp.		

