



Legend	
Unit Break Points	
Undefined	
Immobile Substrates	
1 - Bedrock - CC 1-20 - VE	
2 - Bedrock - CC 21-30 - 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/V	
Tidal Lagoon	
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	
Current Dominated	
10 - Bedrock or Sediment - CC 34 - VP/P/SP	
11 - Bedrock or Sediment - CC 35 - VP/P/SP	
Rock Shores:	characterized by a lack of clastic sediments such as gravel or sand.
Rock Shores:	have substrates that have little or no bedrock crossing out
1 Rock Ramp, Wide	21 Gravel Flat, Wide
2 Rock Platform, Wide	22 Gravel Beach
3 Rock Ramp, Narrow	23 Gravel Beach, Narrow
4 Rock Platform, Narrow	24 Sand and Gravel Flat or Fan, Wide
5 Rock Platform, Narrow	25 Sand and Gravel Flat or Fan, Narrow
6 Ramps with Gravel Beach, Wide	26 Sand Beach, Wide
7 Platforms with Gravel Beach, Wide	27 Sand Beach, Wide
8 Platforms with Gravel Beach, Narrow	28 Sand Beach, Narrow
9 Ramps with Gravel Beach, Narrow	29 Sand Beach, Narrow
10 Platforms with Gravel Beach, narrow	30 Sand Beach, Narrow
11 Shallow Water, Broad	31 Shallows
12 Platforms with Sand and Gravel Beach, Wide	32 Shallow, permeable
13 Cliff with Sand and Gravel Beach	33 Shallow, impermeable
14 Shallow, permeable	
15 Platforms with Sand and Gravel Beach, Narrow	
16 Ramps with Sand Beach, Wide	
17 Platforms with Sand Beach, Narrow	
18 Cliffs with Sand Beach, Wide	
19 Ramps with Sand Beach, Narrow	
20 Platforms 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 a bio-bands 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
 - 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_OBS), for the Mid-coast BC study area, from Johnstone Strait/Central Coast Mapping Regions 5 and 7.

SUBSTRATE STABILITY	IMMOBILE SUBSTRATES				MOBILE OR PARTIALLY MOBILE SUBSTRATES				CURRENT-DOMINATED	TIDAL IAGOON	
	MAJOR SUBSTRATE	BEDROCK	BEDROCK/BOULDER	BEDROCK/GRAVEL	BEDROCK/GRAVEL	SAND & GRAVEL	SAND & GRAVEL	SAND/MUD	SEDIMENT	BEDROCK OR SEDIMENT	BEDROCK OR SEDIMENT
COASTAL CLASSES	1-20	1-23, 32, 33	1-23, 33	1-23, 33	24 - 30, 32, no SAL band	24 - 30, 32, no SAL band	24 - 30, 31, has SAL band	24-30	34	35	
EXPOSURE	E	SE	SP	VP, P	SP	VP, P	VP, P, SP	SE, E	VP, P, SP	VP, P, SP	
COMMUNITY CODE	2	3	4	5	6	7	8	9	10	11	
old id#											
upper	Verrucaria	Verrucaria	Verrucaria	Verrucaria	Verrucaria	Verrucaria	Verrucaria	grasses & rushes			
	Enteromorpha	Enteromorpha	Enteromorpha	Enteromorpha	Enteromorpha	Enteromorpha	Enteromorpha	algae & seagrass			
	Balanus glandula	Balanus glandula	Balanus glandula	vegatation							
	Fucus distichus	Fucus distichus	Fucus distichus	Posidonia							
middle	Palicourea polymorpha	Mytilis californianus	Mytilis californianus	Mytilis californianus	Mytilis californianus	Mytilis californianus	Mytilis californianus	grass & rushes			
	Mytilis californiana	Semibalanus cariosus	Semibalanus cariosus	Semibalanus cariosus	Semibalanus cariosus	Semibalanus cariosus	Semibalanus cariosus	algae & seagrass			
		Utricularia spp.	Utricularia spp.	Utricularia spp.	Utricularia spp.	Utricularia spp.	Utricularia spp.	vegatation			
								Posidonia			
mid low		Hedophyllum setosum									
		Phyllospadix scouleri									
lower	Lessonia leptiralis										
subtidal	Nereocystis luetkeana										

