



Legend

- Unit Break Points
- Undefined
- 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/V
- 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
 - 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 Ramp, Wide
 - Rock Platform, Wide
 - Rock Ramp, Narrow
 - Rock Platform, Narrow
 - Rock Ramp with Gravel Beach, Wide
 - Rock Platform with Gravel Beach, Wide
 - Rock Ramp with Gravel Beach, Narrow
 - Rock Platform with Gravel Beach, Narrow
 - Rock Ramp with Sand and Gravel Beach, Wide
 - Cleft with Sand and Gravel Beach
 - Cleft with Sand, Wide
 - Cleft with Sand, Narrow
 - Platform with Sand and Gravel Beach, Wide
 - Platform with Sand, Wide
 - Platform with Sand, Narrow
 - Cliff with Sand Beach, Wide
 - Cliff with Sand Beach, Narrow
 - Platform 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 mapping information,

2. assigns a bio-break (wave) exposure category,

3. reviews the physical mapping 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/SEDIMENT	SEDIMENT	BEDROCK OR SEDIMENT	BEDROCK OR SEDIMENT
COASTAL CLASSES	1-20	1-23, 32, 33	1-23, 33	1-23, 33	1-23, 33	24 - 30, 32	24 - 30, 32	24 - 30, 31	24 - 30, 31	34	35
EXPOSURE	E	SE	SP	VP, P	SP	VP, P	VP, P, SP	VP, P, SP	SE, E	VP, P, SP	VP, P, SP
COMMUNITY CODE	2	3	4	5	6	7	8	9	10	11	
old code											
upper	Vernonia	Ferrucaria	Ferrucaria	Ferrucaria	Vernonia	Vernonia	Vernonia	grasses & rushes			
		Entomorpha	Entomorpha	Entomorpha				Salicornia			
					Balanus glandula	Balanus glandula	Balanus glandula	vegatation			
						Balanus glandula	Balanus glandula				
							Fucus distichus				
middle	Palicourea polymorpha	Mytilis californianus	Mytilis californianus	Mytilis californianus	Mytilis californianus	Mytilis californianus	Mytilis californianus	Mytilus troxulus *	Mytilus troxulus *		
		Syphocodium californicum	Syphocodium californicum	Syphocodium californicum	Syphocodium californicum	Syphocodium californicum	Syphocodium californicum	Utricularia spp.	Utricularia spp.		
								Utricularia spp.	Utricularia spp.		
mid low	Aleuria nonne morph	Hedophyllum sente	Phyllospadix scouleri	Laminaria groenlandica	Laminaria saccharina	Laminaria saccharina	Laminaria saccharina				
lower	Lessonia littoralis			Alaria marginata morph	Alaria marginata morph	Alaria marginata morph	Alaria marginata morph				
subtidal	Nereocystis laevigata	Nereocystis laevigata	Macrocystis integrifolia	Macrocystis integrifolia	Macrocystis integrifolia	Macrocystis integrifolia	Macrocystis integrifolia	Agarum spp.	Agarum spp.		

