

2 - Deditock - OO 1-20 - L	9 - Sediment - GO 21 - 30 - GE/E						
3 - Bedrock/Boulder - CC 1-23, 32, 33 - SE Cu	rrent Dominated						
4 - Bedrock/Gravel - CC 1-23, 33 - SP 10 - Bedrock or Sediment - CC 34 - VP/P/SP							
5 - Bedrock/Gravel - CC 1-23,33 - P/VP Tid	lal Lagoon						
	→ 11 - Bedrock or Sediment - CC 35 - VP/P/SP						
СС Туре	CC Type						
Rock Shore Types - characterized by a lack of clastic sediments such as gravel or sand.	Sediment Shore Types - have substrates that have little or no bedcrock cropping out						
1 Rock Ramp, Wide	21 Gravel Flat, Wide						
2 Rock Platform Wide	22 Gravel Beach						
3 Rock Cliff Narrow	23 Gravel Flat or Fan						
4 Rock Ramp, Narrow	24 Sand and Gravel Flat or Fan, Wide						
5 Rock Platform Narrow	25 Sand and Gravel Beach						
Rock and Sediment Shore Types - rock and pockets of clastic sediments	26 Sand and Gravel Flat or Fan, Narrow						
6 Ramp with Gravel Beach, Wide	27 Sand Beach, Wide						
7 Platform with Gravel Beach, Wide	28 Sand Flat						
8 Cliff with Gravel Beach	29 Mud Flat						
9 Ramp with Gravel Beach, Narrow	30 Sand Beach, Narrow						
10 Platform with Gravel Beach, Narrow	31 Estuaries						
11 Ramp with Sand and Gravel Beach, Wide	Man-Made Materials						
12 Platform with Sand and Gravel Beach, Wide	32 Man-made, permeable						
13 Cliff with Sand and Gravel Beach	33 Man-made, impermeable						
14 Ramp with Sand and Gravel Beach, Narrow	Current Dominated						
15 Platform with Sand and Gravel Beach, Narrow	34 Channel						
16 Ramp with Sand Beach, Wide	35 Tidal Lagoon						
17 Platform with Sand Beach, Wide							
18 Cliff with Sand Beach							
19 Ramp with Sand Beach, Narrow							
20 Platform with Sand Beach, Narrow							
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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. □ records the observations of the biobands in the unit and looks for indicator species, 2.□assigns a bio-(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.

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

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

• the wave exposure as indicated by the bands, and • □ the substrate types in the unit.

Legend Definitions
CC - Coastal Classification number

E - Exposed - Very high wave exposure, open ocean swellsm 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 expsoure, sheltered inlets, usually fetches less than 10km SP - Semi Protected - Moderate wave expsoure, partly sheltered, usually fetches 10-50km

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, 6 and 7.											
SUBSTRATE STABILITY	IMMOBILE SUBSTRATES			MOBILE OR PARTIALLY MOBILE SUBSTRATES				CURRENT- DOMI- NATED	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 (EXP BIO)	Е	SE	SP	VP, P	SP	VP, P	VP, P, SP	SE, E	VP, P, SP	VP, P, SP	
COMMUNITY CODE (HAB OBS)	2	3	4	5	6	7	8	9	10	11	
upper	Verrucaria	Verrucaria Enteromorpha	Verrucaria Enteromorpha	Verrucaria Enteromorpha	Verrucaria Enteromorpha	Verrucaria Enteromorpha	grasses & rushes Salicornia virginica				
	Balanus glandula	Balanus glandula Fucus distichus	Balanus glandula Fucus distichus	Balanus glandula Fucus distichus	Balanus glandula Fucus distichus	Balanus glandula Fucus distichus	Balanus glandula Fucus distichus	no visible	tidal current	Balanus glandula Fucus distichus	
middle	Politcipes polymerus Mytilus californianus	Mytilus californianus	Mytilus trossulus*	Mytilus trossulus *			Mytilus trossulus*	macrobiota due to sediment	dominated; may be a Protected wave exposure		
	Semibalanus carriosus	Semibalanus carriosus	Semibalanus carriosus Ulva/ Ulvaria spp.	Ulva/ Ulvaria spp.	Semibalanus carriosus Ulva/ Ulvaria spp.	Ulva/ Ulvaria spp.	Ulva/ Ulvaria	mobility	but shows an assemblage of	ponded water in lagoon creates	
mid/low	Alaria 'nana' morph	Hedophyllum sessile							indicator species from higher wave exposures.	narrow intertidal and a reduced biota in brackish	
lower	Lessoniopsis littoralis	Phyllospadix scouleri						-	Assemblage observed is	water, may have associated	
10.101	Describeration and	Alaria 'marginata' morph	Laminaria groenlandica Laminaria saccharina Alaria (marginata) morph	Laminaria saccharina	Laminaria groenlandica Laminaria saccharina Alaria 'marginata' morph	Laminaria saccharina			'anomalous' for the wave energy of the site.	current dominated at outflow	
	Lithothamnion	Lithothamnion	Lithothamnion		Lithothamnion						
subtidal	Nereocystis luetkeana	Nereocystis luetkeana Macrocystis integrifolia Agarum spp. Strongylocentrotus franciscanus	Nereocystis luetkeana Macrocystis integrifolia Agarum spp. Strongylocentrotus franciscanus	Macrocystis integrifolia Agarum spp.	Nereocystis luetkeana Macrocystis integrifolia Agarum spp. Strongylocentrotus franciscanus	Macrocystis integrifolia Agarum spp.					
		j/unciscunus	Zostera marina	Zostera marina	Zostera marina	Zostera marina	Zostera marina				

