

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/VP
- 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
 - 10 - Bedrock or Sediment - CC 34 - VP/P/SP
 - 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.

1	Rampy, Wide	Sediment types have substrates that have little or no bedrock crossing out
2	Rock Platform, Wide	21) Gravel Flat, Wide
3	Rock Platform, Narrow	22) Gravel Beach
4	Rock Ramp, Narrow	23) Sand and Gravel Fan, Narrow
5	Rock Platform, Narrow	24) Sand and Gravel Fan, Wide
6	Rampy with Gravel Beach, Wide	25) Sand Beach, Wide
7	Platform with Gravel Beach, Wide	26) Sand Beach, Narrow
8	Platform with Gravel Beach, Narrow	27) Sand Beach, Wide
9	Platform with Gravel Beach, Narrow	28) Sand Beach, Narrow
10	Platform with Gravel Beach, narrow	29) Sand Beach, Narrow
11	Rock Platform, wide, pockets of clastic sediments	30) Clusters
12	Rampy with Gravel Beach, narrow	31) Clusters
13	Platform with Sand and Gravel Beach, Wide	32) Gravel, permeable
14	Platform with Sand and Gravel Beach, Wide	33) Gravel, impermeable
15	Platform with Sand and Gravel Beach, Narrow	34) Channel
16	Platform with Sand and Gravel Beach, Narrow	35) Total Lagoon
17	Rocky, narrow	
18	Rocky with Sand Beach, Wide	
19	Rocky with Sand Beach, Narrow	
20	Platform with Sand Beach, narrow	

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

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 a Habitat Type, the biomapper looks at the along-shore Units as designated and described by the physical mapper, and:

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:

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

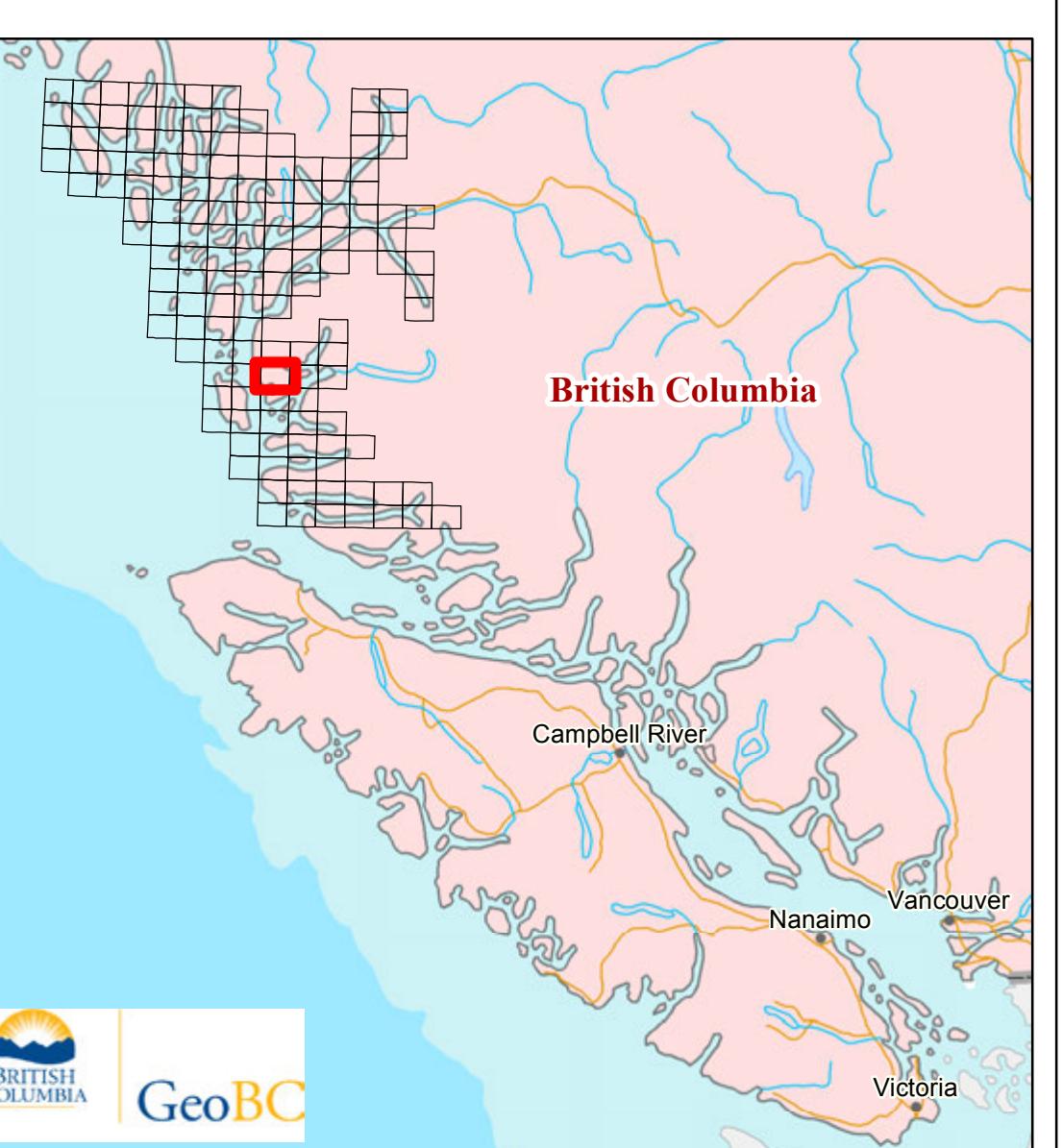
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Table MIDCOAST and NORTH COAST project area which includes BIO AREAS CC, JS and NC. The Species/ wave exposure/substrate table for Habitat Classification (HAB_OHS), for the Mid-coast BC study area, from Johnstone Strait/Central Coast Mapping Regions 5, 6 and 7.

SUBSTRATE STABILITY	IMMOBILE SUBSTRATES				MOBILE OR PARTIALLY MOBILE SUBSTRATES				CURRENT DOMINATED	TIDAL LAGOON	
	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	24 - 30, 32	24 - 30, 31	has SAL band	24-30	34
EXPOSURE	E	SEE	SP	VP, P	SP	VP, P	VP, P, SP	VP, P, SP	SE, E	VP, P, SP	35
COMMUNITY CODE (old version)	2	3	4	5	6	7	8	9	10	11	
upper	Vernonia	Vernonia	Vernonia	Vernonia	Vernonia	Vernonia	grasses & rushes				
	Enserophytia	Enserophytia	Enserophytia	Enserophytia	Enserophytia	Enserophytia	Salicornia				
	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula				
	Fucus distichus	Fucus distichus	Fucus distichus	Fucus distichus	Fucus distichus	Fucus distichus	Fucus distichus				
middle	Palicourea polymorpha	Mytilis californiana	Mytilis californiana	Mytilis californiana	Mytilis californiana	Mytilis californiana	Mytilis troxulus *	Mytilis troxulus *			
	Semibalanus cariosus	Semibalanus cariosus	Semibalanus cariosus	Semibalanus cariosus	Semibalanus cariosus	Semibalanus cariosus	Utricularia spp.	Utricularia spp.			
	Aleria marginata morph	Hedophyllum sente	Phyllospadix scouleri				Utricularia spp.	Utricularia spp.			
mid low	Aleria marginata morph	Hedophyllum sente	Phyllospadix scouleri	Laminaria groenlandica	Laminaria saccharina	Laminaria saccharina					
				Aleria marginata *	Aleria marginata *	Aleria marginata *					
				Lithothamnion	Lithothamnion	Lithothamnion					
lower	Lessonia leptodes										
subtidal	Nereocystis laevigata	Nereocystis laevigata	Nereocystis laevigata								
	Macrocystis integrifolia	Macrocystis integrifolia	Macrocystis integrifolia								
	Agarum spp.	Agarum spp.	Agarum spp.								
	Strongylocodium franciscanum	Strongylocodium franciscanum	Strongylocodium franciscanum								
	Zostera marina	Zostera marina	Zostera marina								



British Columbia
GeoBC
Victoria
Washington