



Data Source:
 Shoreline Type: GeoBC Coastal Resource Shorezone Database, 2008
 Base Information: 1:20,000 GeoBC Terrain Resource Information Management (TRIM) Database
 Scale: 1:20,000
 Scale bar: 0, 0.25, 0.5, 1 Kilometers

CC Type	CC Type
Rock Shoals - <i>glacial sediments such as gravel or sand</i>	Sediment Shoals - <i>have little or no bedrock cropping out</i>
1 - Bedrock - CC 1-20 - VE	21 - Gravel Flat, Wide
2 - Bedrock - CC 1-20 - E	22 - Gravel Beach
3 - Bedrock/Boulder - CC 1-23, 32, 33 - SE	23 - Gravel Flat or Fan
4 - Bedrock/Gravel - CC 1-23, 33 - SP	24 - Sand and Gravel Flat or Fan, Wide
5 - Bedrock/Gravel - CC 1-23, 33 - P/VP	25 - Sand and Gravel Beach
	26 - Sand and Gravel Beach, Narrow
	27 - Sand and Gravel Beach, Wide
	28 - Sand and Gravel Beach, Narrow
	29 - Mud Flat
	30 - Sand Beach, Wide
	31 - Mud Flat
	32 - Sand Beach, Narrow
	33 - Mud Flat
	34 - Charcoal
	35 - Mud Flats
	36 - Mud Flats
	37 - Mud Flats
	38 - Mud Flats
	39 - Mud Flats
	40 - Mud Flats
	41 - Mud Flats
	42 - Mud Flats
	43 - Mud Flats
	44 - Mud Flats
	45 - Mud Flats
	46 - Mud Flats
	47 - Mud Flats
	48 - Mud Flats
	49 - Mud Flats
	50 - Mud Flats

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 units 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. 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.

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
 VE - Exposed - Very high wave exposure, open ocean swells 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 WCVL GOES WITH BIO_AREAS WCVL SCVL WCVN10th J4E
 Habitat Classification for "Exposure Bio" (EXP_BIO) and "Habitat Observed" (HAB_OBS) based on visible macro-biota assemblages for the West Coast Vancouver Island Bio-mapping.

MARK SUBSTRATE	BEDROCK/BOULDER	BEDROCK/BOULDER	BEDROCK/BOULDER	BEDROCK/BOULDER	SAND & GRAVEL	SAND & GRAVEL	SAND/MUD	SEDIMENT	BEDROCK OR SEDIMENT
COASTAL CLASSES	1-20	1-20	1-23,32,33	1-23,33	24,25,26,32	24,25,26,32	27,28,29,30,31	24-30	
EXPOSURE (EXP_BIO)	E	SE	SP	P, VP	SP	P, VP	SP, P, VP	SE, E	VE, P, SP
HABITAT OBSERVED (HAB_OBS)	2	3*	4	5	6	7	8	9	10
upper	<i>Fenestrata</i>	<i>Fenestrata</i>	<i>Fenestrata</i>	<i>Fenestrata</i>	<i>Fenestrata</i>	<i>Fenestrata</i>	<i>Marb grasses & rocks</i>		
middle	<i>Balanus glandulosus</i>	<i>Balanus glandulosus</i>	<i>Balanus glandulosus</i>						
lower	<i>Enteromorpha flexilis</i>	<i>Enteromorpha flexilis</i>	<i>Enteromorpha flexilis</i>						

