



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 - PNP

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/P/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

Tidal Lagoon

- 12 - Tidal Lagoon

CC Type

CC	Type	CC	Type
1	Bank Ramp, Wide	21	Gravel Flat, Wide
2	Bank Platform, Wide	22	Gravel Beach
3	Bank Cliff, Narrow	23	Gravel Flat or Fan
4	Bank Ramp, Narrow	24	Sand and Gravel Flat or Fan, Wide
5	Bank Platform, Narrow	25	Sand and Gravel Beach
6	Bank with Gravel Beach, Wide	26	Sand and Gravel Flat or Fan, Narrow
7	Platform with Gravel Beach, Wide	27	Sand Beach, Wide
8	Cliff with Gravel Beach	28	Mud Flat
9	Bank with Gravel Beach, Narrow	29	Mud Flat
10	Platform with Gravel Beach, Narrow	30	Sand Beach, Narrow
11	Bank with Sand and Gravel Beach, Wide	31	Estuary
12	Platform with Sand and Gravel Beach, Wide	32	Man-made, permeable
13	Cliff with Sand and Gravel Beach	33	Man-made, impermeable
14	Bank with Sand and Gravel Beach, Narrow	34	Channel
15	Platform with Sand and Gravel Beach, Narrow	35	Tidal Lagoon
16	Cliff with Sand Beach, Wide		
17	Cliff with Sand Beach		
18	Platform with Sand Beach, Wide		
19	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?
 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, and
 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

Wave Exposure
 E - Exposed - Very high wave exposure, open ocean swells usually fetches >500km
 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 WCVI GOES WITH BIO_AREAS WCVI SCVI WCVI North, J&F
 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.

MAJOR 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	VP, P, SP
HABITAT OBSERVED (HAB_OBS)	2	3 *	4	5	6	7	8	9	10
upper	<i>Fenestrata</i>	<i>marsh grasses & rocks</i>							
middle	<i>Balanus glandulosus</i>	<i>Sabella spaldingii</i>	HAB current dominated may be a Protected wave exposure but shows an assemblage of indicator species from higher wave exposure.						
lower	<i>Laminaria digitata</i>	no visible macrobiota BIO no evident mobility							

