



0 0.25 0.5 1 Kilometers

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	

  

CC	Type
Rock Shores	characterized by a lack of clastic sediments such as gravel or sand.
Sediment	have substrates that have little or no bedrock crossing out
1	Ramp, Wide
2	Rock Platform, Wide
3	Rock Platform, Narrow
4	Rock Ramp, Narrow
5	Rock Platform, Narrow
6	Rock Platform, narrow
7	Ramp with Gravel Beach, Wide
8	Platform with Gravel Beach, Wide
9	Ramp with Gravel Beach, Narrow
10	Platform with Gravel Beach, narrow
11	Rock Platform, wide
12	Platform with Sand and Gravel Beach, Wide
13	Cliff with Sand and Gravel Beach
14	Cliff with Sand Beach, Wide
15	Platform with Sand Beach, Wide
16	Ramp with Sand Beach, Wide
17	Cliff with Sand Beach, Narrow
18	Cliff with Sand Beach, narrow
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?

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

1. reviews the physical map for the biobands in the unit and looks for indicator species,

2. assigns a bio-breakage 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 physical map, and

• 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

VP - 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, WCVL North, JdF  
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	SANDMUD	SEDIMENT	BEDROCK OR SEDIMENT
COASTAL CLASSES	I-20	I-20	I-23, 32, 33	I-23, 33	24, 25, 26, 32	24, 25, 26, 32	27, 28, 29, 30, 31	24 - 30	
EXPOSURE (EXP_BIO)	E	SB	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
open	Terranea	Terranea	Terranea	Terranea	Terranea	Terranea	Terranea	marl gneiss & rock	
	Estuaries	Estuaries	Estuaries	Estuaries	Estuaries	Estuaries	Estuaries		
	Estuaries	Estuaries	Estuaries	Estuaries	Estuaries	Estuaries	Estuaries		
middle	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock	bedrock	
	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock	Bedrock		
middle	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	no visible macrofauna due to sediment mobility	
	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment		
middle	Rocky	Rocky	Rocky	Rocky	Rocky	Rocky	Rocky		
	Rocky	Rocky	Rocky	Rocky	Rocky	Rocky	Rocky		
low	Lessepsian	Lessepsian	Lessepsian	Lessepsian	Lessepsian	Lessepsian	Lessepsian		
	Lessepsian	Lessepsian	Lessepsian	Lessepsian	Lessepsian	Lessepsian	Lessepsian		
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