



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

CC Type	CC Type
Rock Shore - Rides characterized by a lack of classic sediments such as gravel or sand.	Sediment Shore Types - have substrates that have little or no bedrock cropping out.
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 Flat or Fan, Narrow
	27 - Sand Beach, Wide
	28 - Sand Flat
	29 - Mud Flat
	30 - Sand Beach, Narrow
	31 - Estuaries
	32 - Man-made, impermeable
	33 - Man-made, permeable
	34 - Channel
	35 - Tidal Lagoon

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 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.

- records the observations of the biobands in the unit and looks for indicator species,
- assigns a bio-wave exposure category,
- reviews the physical mapped information, and
- 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
 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 SOG, GOES WITH SNOG AND NSOG, part of CR
 Habitat Classification for "Exposure Bio" (EXP_BIO) and "Habitat Observed" (HAB_OBS) based on visible macro-biota assemblages for the Georgia Basin. Species assemblages revised according to analysis of field observations. See summary in Table 5 and Table 6.

MAJOR SUBSTRATE CLASS	BEDROCK/BOULDER	BEDROCK/BOULDER	BEDROCK/BOULDER	SAND & GRAVEL	SAND & GRAVEL	SAND/MUD	SEDIMENT	SEDIMENT	SEDIMENT
CLASS	1-20	1-23, 32, 33	1-23, 33	24, 25, 26, 32	24, 25, 26, 32	27, 28, 29, 30, 31	24 - 30	24 - 30	24 - 30
EXPOSURE (EXP_BIO)	SE	SP	P, VP	SP	P, VP	SP, P, VP	SE, E	VP, P, SP	VP, P, SP
HABITAT OBSERVED (HAB_OBS)	3 *	4	5	6	7	8	9	10	10
upper	<i>Tremacrostis</i>	<i>Tremacrostis</i>	<i>Tremacrostis</i>				<i>small green & redfish</i>		
middle	<i>Palanus platensis</i>								
lower	<i>Chironomus tentaculatus</i>								
invertebrate	<i>Chironomus tentaculatus</i>								
macroalgae	<i>Ulva lactuca</i>								
macrofauna	<i>Caprellidae</i>								
macroinvertebrates	<i>Caprellidae</i>								
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