



**Legend**

- Unit Break Points
- Undefined
- 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
- 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**
  - 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 Shores - have substrates that have little or no bedrock crossing out

|    |                                                     |    |                                          |
|----|-----------------------------------------------------|----|------------------------------------------|
| 1  | Rock Rampe, Wide                                    | 21 | Gravel Flat, Wide                        |
| 2  | Rock Platform, Wide                                 | 22 | Gravel Beach                             |
| 3  | Rock Platform, Narrow                               | 23 | Sand Beach, Wide                         |
| 4  | Rock Rampe, Narrow                                  | 24 | Sand & Gravel Flat or Fan, Wide          |
| 5  | Rock Platform, Narrow                               | 25 | Sand & Gravel Beach                      |
| 6  | Rock Rampe, narrow and pockets of clastic sediments | 26 | Sand Beach, Narrow                       |
| 7  | Platform with Gravel Beach, Wide                    | 27 | Sand Beach, Wide                         |
| 8  | Platform with Gravel Beach, Narrow                  | 28 | Sand Beach                               |
| 9  | Platform with Gravel Beach, Narrow                  | 29 | Sand Beach, Narrow                       |
| 10 | Platform with Gravel Beach, narrow                  | 30 | Cliff                                    |
| 11 | Cliff with Gravel Beach, Wide                       | 31 | Cliff                                    |
| 12 | Cliff with Gravel Beach, Narrow                     | 32 | Cliff with Sand and Gravel Beach         |
| 13 | Cliff with Sand and Gravel Beach, Wide              | 33 | Cliff with Sand and Gravel Beach, Narrow |
| 14 | Cliff with Sand and Gravel Beach, Narrow            | 34 | Channel                                  |
| 15 | Cliff with Sand Beach, Wide                         | 35 | Total Lagoon                             |
| 16 | Cliff with Sand Beach, Narrow                       |    |                                          |
| 17 | Ramp with Gravel Beach, Wide                        |    |                                          |
| 18 | Ramp with Gravel Beach, Narrow                      |    |                                          |
| 19 | Ramp with Sand Beach, Wide                          |    |                                          |
| 20 | Ramp 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 the 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

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, GOFS with SSOG 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            | BEDROCK/BOULDER            | BEDROCK/BOULDER            | BEDROCK/BOULDER            | SAND & GRAVEL  | SAND & GRAVEL  | SAND/MUD       | SEDIMENT | BEDROCK OR SEDIMENT |
|----------------------------|----------------------------|----------------------------|----------------------------|----------------|----------------|----------------|----------|---------------------|
| COASTAL CLASSES            | 1-20                       | 1-23, 33                   | 1-23, 33                   | 24, 25, 26, 32 | 24, 25, 26, 32 | 24, 25, 26, 32 | 24 - 30  |                     |
| EXPOSURE (EXP_BIO)         | SE                         | SP                         | P, VP                      | SP             | P, VP          | SP, P, VP      | SB, E    | VP, P, SP           |
| HABITAT OBSERVED (HAB_OBS) | 3 *                        | 4                          | 5                          | 6              | 7              | 8              | 9        | 10                  |
|                            | Forecraze                  | Forecraze                  | Forecraze                  |                |                |                |          |                     |
|                            | Bottoms, flat              | Bottoms, flat              | Bottoms, flat              |                |                |                |          |                     |
|                            | Bottoms, flat, wide        | Bottoms, flat, wide        | Bottoms, flat, wide        |                |                |                |          |                     |
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