

3 - Bedrock/Boulder - CC 1-23, 32, 33 - SE Current Dominated 10 - Bedrock or Sediment - CC 34 - VP/P/SP 4 - Bedrock/Gravel - CC 1-23, 33 - SP 5 - Bedrock/Gravel - CC 1-23,33 - P/VP

CC Type

Rock Shore Types - characterized by a lack of clastic sediments such as gravel or sand.

Sediment Shore Types - have substrates that have little or no bedcrock cropping out 1 Rock Ramp, Wide
2 Rock Platform Wide
3 Rock Cliff Narrow
4 Rock Ramp, Narrow
5 Rock Platform Narrow
Rock and Sediment Shore Types - rock and pockets of clastic sediments
6 Ramp with Gravel Reach Wide 21 Gravel Flat, Wide
22 Gravel Beach
23 Gravel Flat or Fan
24 Sand and Gravel Flat or Fan, Wide
25 Sand and Gravel Beach
26 Sand and Gravel Flat or Fan, Narrow 26 Sand and Gravel Flat or Fan, Narrow
27 Sand Beach, Wide
28 Sand Flat 6 Ramp with Gravel Beach, Wide
7 Platform with Gravel Beach, Wide
8 Cliff with Gravel Beach
9 Ramp with Gravel Beach, Narrow
10 Platform with Gravel Beach, Narrow
11 Ramp with Sand and Gravel Beach, Wide
12 Platform with Sand and Gravel Beach, Wide
13 Cliff with Sand and Gravel Beach, Wide
14 Ramp with Sand and Gravel Beach, Narrow
15 Platform with Sand and Gravel Beach, Narrow
16 Ramp with Sand Beach, Wide
17 Platform with Sand Beach, Wide
18 Cliff with Sand Beach
19 Ramp with Sand Beach, Narrow
20 Platform with Sand Beach, Narrow 6 Ramp with Gravel Beach, Wide 29 Mud Flat
30 Sand Beach, Narrow
31 Estuaries
Man-Made Materials
32 Man-made, permeable
33 Man-made, impermeable
Current Dominated

Current Dominated

SP - Semi Protected - Moderate wave expsoure, partly sheltered, usually fetches 10-50km

VP - Very Protected - Very low wave exposure, fethces < 1km, sheltered anchorages at heads of bays and inletes

Siluitile Habitat	Traditat Cansoliteation Dustr on Visible Plate to Diou Pessellibringes for the Queen Charlotte Shorteane										
Onoronino masitat	SUBSTRATE STABILITY	IMMOBILE SUBSTRATES				MOBILE OR PARTIALLY MOBILE SUBSTRATES				CURRENT- DOMI- NATED	
The Habitat Type provides a simplified picture of the "look" of the unit overall, based on the detailed biophysical attributes that have	MAJOR		1	T	I			1	ESTUARY or		BEDROCK OR
been mapped. The Habitat Type category is a summary of the observations of both the unit's biologial and geomorphological	SUBSTRATE	BEDROCK	BEDROCK	BEDROCK/BOULDER	BEDROCK/GRAVEL	BEDROCK/GRAVEL	SAND & GRAVEL	SAND & GRAVEL	SAND/MUD	SEDIMENT	SEDIMENT
features.	COASTAL								27, 28, 29, 30,		
Each Habitat Type has a definition that includes the typical substrate, wave exposure and biobands. For example, for the	CLASSES	1-20	1-20	1-23, 32, 33	1-23, 33	1-23, 33	24, 25, 26, 32	24, 25, 26, 32	31	21-30	34
Semi-exposed, Immobile substrate Habitat Type, part of the definition of that class is a certain combination of the most likely	EXPOSURE (EXP BIO)	VE	E	SE	SP	VP, P	SP	VP, P	VP, P, SP	SE, E	VP, P, SP
biobands and indictor species present at a bedrock shoreline with no mobile sediment present.	COMMUNITY CODE (HAB_OBS)	1	2	3	4	5	6	7	8	9	10
How is Habitat Type determined?	upper	Verrucaria	Verrucaria	Verrucaria	Vernicaria	Verrucaria	Verrucaria	Verrucaria	grasses & rushes		$\overline{}$
Each Habitat Type has typical biological features (including both an indicator species list and typical associated biobands).	,,,,,			Enteromorpha	Enteromorpha	Enteromorpha	Enteromorpha	Enteromorpha	Salicornia		<b> </b>
To determine the Habitat Type, the biomapper looks at the along-shore Units as designated and described by the physical mapper, and	1	l., , ,,							virginica		L
1. records the observations of the biobands in the unit and looks for indicator species.	1	Balanus giandula	Balanus glandula	Balanus glandula Fucus distichus	Balanus glandula Fucus distichus	Balanus glandula Fucus distichus	Balanus glandula Fucus distichus	Balanus glandula Fucus distichus	Balanus glandula Fucus distichus		tidal current dominated; may
2. □assigns a bio-(wave) exposure category,	middle	Politcipes polymerus	Pollicipes polymerus	2 acas concents	7 acas distrins	7 10 113 (113) (27) 113	2 acus customas	2 acas ta siterias	2 ac as to site rins		be a protected
3. reviews the physical mapped information, and		Mytilus californianus	Mytilus californianus	Mytilus californianus							wave exposure
4. □assigns the Habitat Type that best describes the unit.			0.41		Mytilus trossulus	Mytilus trossulus	Mytilus trossulus	Mytilus trossulus	Mytilus trossulus		but shows an
4. □ assigns the mabital type that best describes the unit.		[Semibalanus carriosus]	Semibalanus carriosus	Semibalanus carriosus	Semibalanus carriosus Ulva/ Ulvaria spp.	Ulva/ Ulvaria spp.	Semibalanus carriosus Ulva/ Ulvaria spp.	Ulva/Ulvaria spp.	Ulva/ Ulvaria	no visible	assemblage of indicator species
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	mid/low	<b>-</b>		Halosaccion glandiforme			Halosaccion alandiforme	Halosaccion glandiforme		intertidal	from higher
detailed across-shore data are summarized into one attribute. The simplified category describes the features of the whole unit.		l		Hedophyllum sessile		y				macrobiota	wave exposures.
detailed across-shore data are summanzed into one attribute. The simplified category describes the features of the whole unit.	1	[Alaria 'nana' morph]	Alaria 'nana' morph	~ h						due to sediment	Assemblage
Unbited Type is a symmetry of the bisphysical electrical of the sylvale above smit beaudien.	1	l		Codium fragile Phyllospadix scouleri	Codium fragile		Codium fragile			mobility	observed is
Habitat Type is a summary of the biophysical classification of the whole shore unit, based on: •□the biobands observed.	1	l		Egregia menziesii							'anomalous' for
	lower	Lessoniopsis littoralis	Lessoniopsis littoralis								the wave energy
• □ the wave exposure as indicated by the bands, and		[Laminaria setchelli]	Laminaria setchelli	Laminaria setchelli							of the site.
• □ the substrate types in the unit.		lush foliose coralline reds: Bosstella/	foliose coralline reds	Laminaria groenlandica diverse mixed red algae	Laminaria groenlandica Laminaria saccharina	Laminaria saccharina	Laminaria groenlandica Laminaria saccharina	Laminaria saccharina			<b> </b>
		Calliarthron/ Corallina		Alaria 'marginata' morph	as the state of th	Lатинана <i>засспанна</i>	Alaria 'marginata' morph	L инапана засспанна			<b> </b>
Legend Definitions											<b> </b>
CC - Coastal Classification number		Lithothannion	Lithothamnion	Lithothamnion	Lithothamnion		Lithothamnion				<b> </b>
	subtidal	Nereocystis luetkeana	Nereocystis luetkeana	Nereocystis luetkeana	Nereocysti s luetkeana Macrocysti s integrifolia	Macrocystis integrifolia	Nereocystis luetkeana Macrocystis integrifolia	Macrocystis integrifolia			<b> </b>
Wave Exposure	I	I		Macrocystis integrifolia Agarum spp.	Macrocysus integrijoua Agarum spp.	масгосузиз ініедгіјона Адагит ярр.	Agarum spp.	масгосузиз инеугіјона Адагит spp.			<b> </b>
E - Exposed - Very high wave exposure, open ocean swellsm usually fetches >500km	1	I		Strongylocentrotus	Strongylocentrotus	-6- mi 4F	Strongylocentrotus	-0 mi 47.			<b> </b>
VE - Very Exposed - Extreme high wave exposure	I	I		franciscanus	franciscanus		franciscanus				<b> </b>
SE - Semi Exposed - High wave exposure, open shorelines, areas between fully exposed and more sheltered, usually fetches 50 to 500km		L			Zostera marina	Zostera marina	Zostera marina	Zostera marina	Zostera marina		
P - Protected - Low wave expsoure, sheltered inlets, usually fetches less than 10km	* Bolding	indicates diagnostic sp	ecies used to distingui:	h "communities". Squar					ndance and size. No	ote that the abs	sence of

species assemblages are as diagnostic as species' presence. Community Code type 1 (VE - very exposed) occurs only on the southwest coast of Moresby Island.

