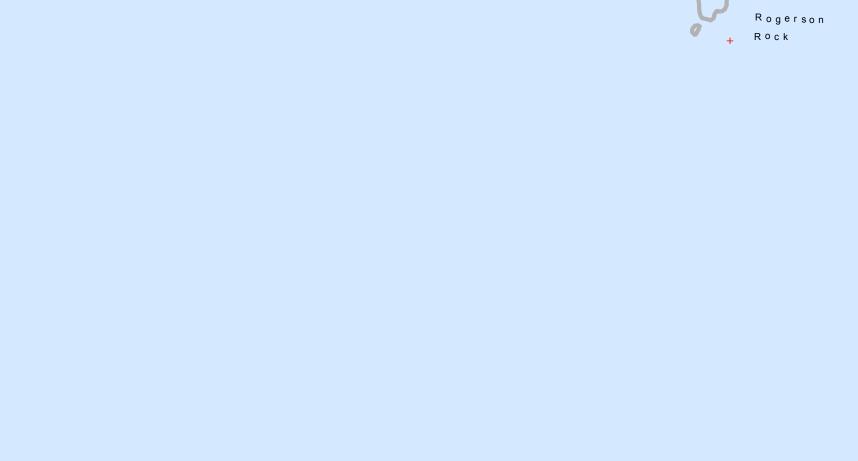
103A.045

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 W		
0 0.25 0.5 1 S		
Legend		
 Unit Break Points 	Mobile/Partially Mobile Substrates	
Undefined	6 - Sand & Gravel - CC 24-26, 32 -SP	
Immobile Substrates	7 - Sand & Gravel - CC 24-26,32 - VP/P	The Habitat Type
1 - Bedrock - CC 1-20 - VE	8 - Estuary or Sand/Mud - CC 27-31 - VP/P/SP	been mapped. T features.
2 - Bedrock - CC 1-20 - E	✓ 9 - Sediment - CC 21 - 30 - SE/E	Each Habitat Typ Semi-exposed, In
3 - Bedrock/Boulder - CC 1-23, 32, 33 - SI	E Current Dominated	biobands and ind
4 - Bedrock/Gravel - CC 1-23, 33 - SP	10 - Bedrock or Sediment - CC 34 - VP/P/SP	How is Habitat Ty Each Habitat Typ
5 - Bedrock/Gravel - CC 1-23,33 - P/VP	Tidal Lagoon	To determine the 1.□records the ol
	11 - Bedrock or Sediment - CC 35 - VP/P/SP	2.□assigns a bio- 3.□reviews the pl
СС Туре		4.□assigns the H
Rock Shore Types - characterized by a lack of clastic sediments such as gravel or s	and. Sediment Shore Types - have substrates that have little or no bedcrock cropping out	
1 Rock Ramp, Wide	21 Gravel Flat, Wide	The Habitat Type
2 Rock Platform Wide 3 Rock Cliff Narrow	22 Gravel Beach 23 Gravel Flat or Fan	detailed across-s
4 Rock Ramp, Narrow	23 Graver ration ran 24 Sand and Gravel Flat or Fan, Wide	
5 Rock Platform Narrow	25 Sand and Gravel Beach	Habitat Type is a
Rock and Sediment Shore Types - rock and pockets of clastic sediments	26 Sand and Gravel Flat or Fan, Narrow	•⊡the biobands o
6 Ramp with Gravel Beach, Wide 7 Platform with Gravel Beach, Wide	27 Sand Beach, Wide 28 Sand Flat	•□the wave expo
8 Cliff with Gravel Beach	29 Mud Flat	•□the substrate ty
9 Ramp with Gravel Beach, Narrow	30 Sand Beach, Narrow	Logand Definition
10 Platform with Gravel Beach, Narrow 11 Ramp with Sand and Gravel Beach, Wide	31 Estuaries	Legend Definitior CC - Coastal Cla
12 Platform with Sand and Gravel Beach, Wide	Man-Made Materials 32 Man-made, permeable	
13 Cliff with Sand and Gravel Beach	33 Man-made, impermeable	Wave Exposure
14 Ramp with Sand and Gravel Beach, Narrow	Current Dominated	E - Exposed - Ve
15 Platform with Sand and Gravel Beach, Narrow 16 Ramp with Sand Beach, Wide	34 Channel 35 Tidal Lagoon	VE - Very Expose
17 Platform with Sand Beach, Wide		SE - Semi Expos
18 Cliff with Sand Beach		P - Protected - Lo
19 Ramp with Sand Beach, Narrow 20 Platform with Sand Beach, Narrow		SP - Semi Protec
		VP - Very Protect

South Arriaga Island + 103A.055







Shoreline Habitat

e provides a simplified picture of the "look" of the unit overall, based on the detailed biophysical attributes that have The Habitat Type category is a summary of the observations of both the unit's biologial and geomorphological pe has a definition that includes the typical substrate, wave exposure and biobands. For example, for the Immobile substrate Habitat Type, part of the definition of that class is a certain combination of the most likely dictor species present at a bedrock shoreline with no mobile sediment present.

ype determined? ype has typical biological features (including both an indicator species list and typical associated biobands). The Habitat Type, the biomapper looks at the along-shore Units as designated and described by the physical mapper, and observations of the biobands in the unit and looks for indicator species,

io-(wave) exposure category, physical mapped information, and Habitat Type that best describes the unit.

be is based on the whole unit and is similar to the physical mappers use of the 'Coastal Class' category, in that the Shore data are summarized into one attribute. The simplified category describes the features of the whole unit.

a summary of the biophysical classification of the whole shore unit, based on: observed,

osure as indicated by the bands, and types in the unit.

ns assification number

′ery high wave exposure, open ocean swellsm usually fetches >500km sed - Extreme high wave exposure

bsed - High wave exposure, open shorelines, areas between fully exposed and more sheltered, usually fetches 50 to 500km _ow wave expsoure, sheltered inlets, usually fetches less than 10km ected - 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

SUBSTRATE STABILITY	IMMOBILE SUBSTRATES			MOBILE OR PARTIALLY MOBILE SUBSTRATES				CURRENT- DOMI- NATED	TIDAL IAGOON	
MAJOR SUBSTRATE	BEDROCK	BEDROCK/BOULDER	BEDROCK/GRAVEL	BEDROCK/GRAVEL	SAND & GRAVEL	SAND & GRAVEL	SAND/MUD	SEDIMENT	BEDROCK OR SEDIMENT	BEDROCK OR SEDIMENT
COASTAL CLASSES	1-20	1-23, 32, 33	1-23, 33	1-23, 33	24 – 30, 32 no SAL band	24 – 30, 32 no SAL band	24 - 30, 31 has SAL band	24-30	34	35
EXPOSURE (EXP BIO)	Е	SE	SP	VP, P	SP	VP, P	VP, P, SP	SE, E	VP, P, SP	VP, P, SP
COMMUNITY CODE (HAB OBS)	2	3	4	5	6	7	8	9	10	11
upper	Verrucaria	Verrucaria Enteromorpha	Verrucaria Enteromorpha	Verrucaria Enteromorpha	Verrucaria Enteromorpha	Verrucaria Enteromorpha	grasses & rushes Salicornia virginica			
	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	no visible	tidal current	Balanus glandul Fucus distichus
middle	Pollicipes polymerus Mytilus californianus	Mytilus californianus	Mytilus trossulus*	Mytilus trossulus *			Mytilus trossulus**	macrobiota due to sediment mobility	dominated; may be a Protected wave exposure but shows an assemblage of indicator species from higher wave exposures.	
	Semibalanus carriosus	Semibalanus carriosus	Semibalanus carriosus Ulva/ Ulvaria spp.	Ulva/ Ulvaria spp.	Semibalanus carriosus Ulva/ Ulvaria spp.	Ulva/ Ulvaria spp.	Ulva/ Ulvaria			ponded water in lagoon creates
mid/low	Alaria 'nana' morph	Hedophyllum sessile								narrow intertidal and a reduced biota in brackish
1		Phyllospadix scouleri						-	Assemblage observed is	water, may have
lower	Lessoniopsis littoralis	Alaria 'marginata' morph	Laminaria groenlandica Laminaria saccharina Alaria 'marginata' morph	Laminaria saccharina	Laminaria groenlandica Laminaria saccharina Alaria 'marginata' morph	Laminaria saccharina		'anomalous the wave en of the site.		
	Lithothamnion	Lithothamnion	Lithothannion		Lithothamnion					
subtidal	Nereocystis luetkeana	Nereocystis luetkeana Macrocystis integrifolla Agarum spp. Strongylocentrotus	Nereocystis luetkeana Macrocystis integrifolia Agarum spp. Strongylocentrotus	Macrocystis integrifolia Agarum spp.	Nereocystis luetkeana Macrocystis integrifolia Agarum spp. Strongylocentrotus	Macrocystis integrifolia Agarum spp.				
		franciscanus	franciscanus Zostera marina	Zostera marina	franciscanus Zostera marina	Zostera marina	Zostera marina			

