092B.034							
			+ Holland Point	88 89	BEACON 90 <sup>HILL</sup>		
		Brotchie	Glimpse Reefs	+ C+	+ + Finlayson	91 + <sup>+</sup>	92 9
092B.043		Ledge			Point		93
							Clover Point
D E							
092B.033							
Т							
Data Source: Shoreline Type GeoBC Coastal Resource Shorezone Database, 2008							
1:20,000 GeoBC Terrain Resource Information Management (TRIM) Database							
0 0.25 0.5 1 S							
Kilometers							
<ul> <li>Unit Break Points</li> </ul>	Mobile/Partially	y Mobile Substr	ates				
Undefined Immobile Substrates	<ul> <li>6 - Sand &amp;</li> <li>7 - Sand &amp;</li> </ul>	Gravel - CC 24-26 Gravel - CC 24-26	i, 32 -SP i,32 - VP/P				The Habitat Tvp
<ul> <li>1 - Bedrock - CC 1-20 - VE</li> <li>2 - Bedrock - CC 1-20 - E</li> </ul>	8 - Estuary	/ or Sand/Mud - CC ent - CC 21 - 30 - Sl	: 27-31 - VP/ E/E	'P/SP			been mapped. features. Each Habitat Ty
3 - Bedrock/Boulder - CC 1-23, 32, 33 - S	E Current Domin	ated	С 34 - \/р/р/	′SP			biobands and in
5 - Bedrock/Gravel - CC 1-23, 33 - SP		ck or Sediment	C 35 - \/D/D	SP			Each Habitat Ty To determine the 1. records the of 2. assigns a bid
CC Type Rock Shore Types - characterized by a lack of clastic sediments such as gravel or s	CC Type sand. Sediment Shore Type	Des - have substrates that have li lat, Wide	ittle or no bedcrock o	cropping out			3.⊡reviews the 4.⊡assigns the
2 Rock Platform Wide 3 Rock Cliff Narrow 4 Rock Ramp, Narrow 5 Rock Platform Narrow	22   Gravel F     22   Gravel F     23   Gravel F     24   Sand and     25   Sand and	each lat or Fan d Gravel Flat or Fan, Wide d Gravel Beach					i ne Habitat Typ detailed across- Habitat Type is a
Rock and Sediment Shore Types - rock and pockets of clastic sediments         6       Ramp with Gravel Beach, Wide         7       Platform with Gravel Beach, Wide         8       Cliff with Gravel Beach	26 Sand and 27 Sand Bea 28 Sand Fla 29 Mud Fla	d Gravel Flat or Fan, Narrow ach, Wide t t					the biobands     the wave exp     the substrate
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	30 Sand Bea 31 Estuaries Man-Made Materia 32 Man-ma	ach, Narrow s ils de, permeable					Legend Definitic CC - Coastal Cl
13 Cliff with Sand and Gravel Beach         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	33 Man-ma Current Dominated 34 Channel 35 Tidal Lag	de, impermeable					Wave Exposure E - Exposed - V VE - Very Expos SE - Semi Expos
17 Platform with Sand Beach, Wide 18 Cliff with Sand Beach 19 Ramp with Sand Beach, Narrow 20 Platform with Sand Beach, Narrow							P - Protected - L SP - Semi Prote VP - Very Prote









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

t Type determined? Type 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 The observations of the biobands in the unit and looks for indicator species,

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

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

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

s observed,

posure as indicated by the bands, and te types in the unit.

ions Classification number

E - Exposure E - Exposed - Very high wave exposure, open ocean swellsm 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 expsoure, sheltered inlets, usually fetches less than 10km 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

Table WCVI. GOES WITH BIO\_AREAS WCVI, 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.

v ancou	ver istanu bio-maj	րրաց.							
MAJOR SUBSTRATE	BEDROCK/BOULDER	BEDROCK/BOULDER	BEDROCK/BOULDER	BEDROCK/BOULDER	SAND & GRAVEL	SAND & GRAVEL	SAND/MUD	SEDIMENT	BEDROCK OR SEDIMENT
COASTAL CLASSES	1-20	1-20	1-23, 32, 33	1-23, 33	24, 25, 26, 32	24, 25, 26, 32	27, 28, 29, 30, 31	24 - 30	
EXPOSURE (EXP_BIO)	Е	SE	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
upper	Verrucaria	Verrucaria	Verrucaria	Verrucaria	Verrucaria	Verrucaria	marsh grasses & rushes		
		Enteromorpha	Enteromorpha	Enteromorpha	Enteromorpha	Enteromorpha			tidal current
							Salicornia virginica		dominated; may be a
	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula		Protected wave
	Pelvetiopsis limitata	Fucus distichus	Fucus distichus	Fucus distichus	Fucus distichus	Fucus distichus	Fucus distichus		exposure out snows
middle									indicator species
	Semibalanus carriosus	Semibalanus carriosus	Semibalanus carriosus		Semibalanus carriosus				from higher wave
	Pollicipes polymerus		Mytilus trossulus	Mytilus trossulus	Mytilus trossulus	Mytilus trossulus	Mytilus trossulus	no visible macrobiota	exposures.
			Ulva/ Ulvaria spp.	Ulva/Ulvaria spp.	Ulva/ Ulvaria spp.	Ulva/Ulvaria spp.	Ulva/ Ulvaria spp.	due to sediment	
mid/low	Mytilus californianus	Mytilus californianus		±.				mobility	
		Microcladia/Iridea type mixed reds	Gigartina/Odonthalia type mixed reds	Gigartina/Odonthalia type mixed reds	Gigartina/Odonthalia	Gigartina/Odonthalia			
	Postelsia nalmaeformis	mixed reas	type mixed reas	type mixed reas	type mixed reds	type mixed reds			
	Tosteista painaej ornas	Hedophyllum sessile							
		Codium fragile	Codium fragile		Codium fragile				
lower	Lessoniopsis littoralis	/ 3	Laminaria saccharina	Laminaria saccharina	Laminaria saccharina	Laminaria saccharina			
	· · · · ·	Egregia menziesii						1	
	Laminaria setchellii	Laminaria setchellii						1	
		Laminaria groenlandica	Laminaria groenlandica		Laminaria groenlandica				
	Alaria nana.	Alaria marginata.	Alaria marginata.		Alaria marginata.				
		Eisenia arborea							
	Lithothamnion	Lithothamnion	Lithothamnion		Lithothamnion				
			Sargassum muticum		Sargassum muticum				
		Agarum sp	Agarum sp	Agarum sp	Agarum sp	Agarum sp			
		Phyllospadix scouleri							
subtidal		Macrocystis integrifolia	Macrocystis integrifolia	Macrocystis integrifolia	Macrocystis integrifolia	Macrocystis integrifolia		1	
	Nereocystis luetkeana	Nereocystis luetkeana	Nereocystis luetkeana		Nereocystis luetkeana			4	
		Strongylocentrotus	Strongylocentrotus		Strongylocentrotus				
		franciscanus	franciscanus	7	franciscanus		7	4	
			Zostera marina	Zostera marina	Zostera marina	Zostera marina	Zostera marina		

I, SCVI,	WCVINorth, JdF	
$\mathbf{D}(\mathbf{O}) = \mathbf{O}$	- 1 6TT - 124 - 4 OL 19	/TT &



