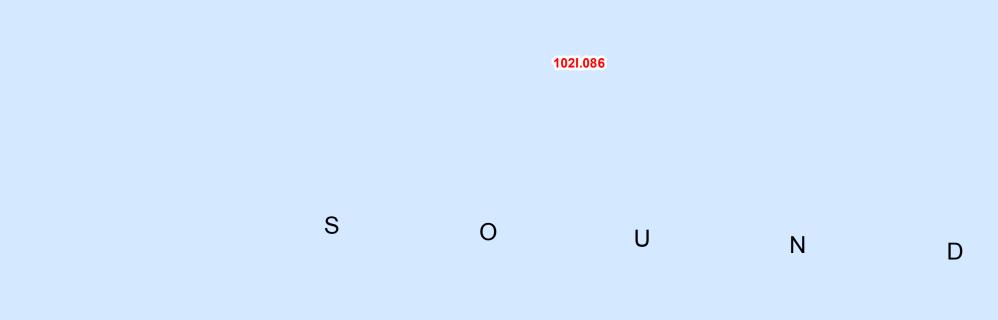
EEN		
ΝΟ		
*+ _ 38 1021.085		
Data Source: Shoreline Type GeoBC Coastal Resource Shorezone Database, 2008 Base Information 1:20,000 GeoBC Terrain Resource Information Management (TRIM) Database 1:20,000 0 0.25 0.5 1 Kilometers		
Legend Unit Break Points Undefined Immobile Substrates 1 - Bedrock - CC 1-20 - VE 2 - Bedrock - CC 1-20 - E 3 - Bedrock/Boulder - CC 1-23, 32, 33 - SI 4 - Bedrock/Gravel - CC 1-23, 33 - SP 5 - Bedrock/Gravel - CC 1-23, 33 - P/VP I Rock Ramp, Wide 2 Rock Platform Wide 3 Rock Cliff Narrow 4 Rock Ramp, Nide S Rock Cliff Narrow 4 Rock Ramp, Nide S Rock Cliff Narrow 6 Ramp with Gravel Beach, Wide 7 Platform with Gravel Beach, Wide 8 Cliff with Gravel Beach, Narrow 10 Platform with Gravel Beach, Narrow 11 Ramp with Sand and Gravel Beach, Narrow 12 Platform with Sand and Gravel Beach, Narrow 13 Cliff with Sand and Gravel Beach, Narrow 14 Ramp with Sand and Gravel Beach, Narrow 15 Platform with Sand and Gravel Beach, Narrow 16 Ramp with Sand and Gravel Beach, Narrow 15 Platform with Sand and Gravel Beach, Narrow 16 Ramp with Sand and Gravel Beach, Narrow	 10 - Bedrock or Sediment - CC 34 - VP/P/SP Tidal Lagoon 11 - Bedrock or Sediment - CC 35 - VP/P/SP [cc [Type] 	The Habitat Type been mapped. The features. Each Habitat Type Semi-exposed, Im biobands and indiv How is Habitat Type To determine the P 1records the ob 2assigns a bio-1 3reviews the ph 4assigns the Ha The Habitat Type is a s on the biobands of the wave expose the substrate ty Legend Definitions CC - Coastal Class Wave Exposure E - Exposed - Very VE - Very Expose SE - Semi Expose

1021.086

18 Cliff with Sand Beach 19 Ramp with Sand Beach, Narrow 20 Platform with Sand Beach, Narrow







P A C I F I C

O C E A N

Shoreline Habitat

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

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

ns a bio-(wave) exposure category, vs the physical mapped information, and

is the Habitat Type that best describes the unit.

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

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

e exposure as indicated by the bands, and strate types in the unit.

efinitions stal 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

Vancou	ver Island bio-maj	pping.							
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	1	dominated; may be a
	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	Balanus glandula	1	Protected wave
	Pelvetiopsis limitata	Fucus distichus	Fucus distichus	1	exposure but shows				
middle	<i>i</i>							1	an assemblage of
	Semibalanus carriosus	Semibalanus carriosus	Semibalanus carriosus		Semibalanus carriosus				indicator species from higher wave
	Pollicipes polymerus		Mytilus trossulus	Mytilus trossulus	Mytilus trossulus	Mytilus trossulus	Mytilus trossulus	no visible macrobiota due to sediment mobility	exposures.
			Ulva/ Ulvaria spp.	Ulva/ Ulvaria spp.	Ulva/ Ulvaria spp.	Ulva/ Ulvaria spp.	Ulva/ Ulvaria spp.		
mid/low	Mytilus californianus	Mytilus californianus							
		Microcladia/Iridea type	Gigartina/Odonthalia	Gigartina/Odonthalia	Gigartina/Odonthalia	Gigartina/Odonthalia			
		mixed reds	type mixed reds	type mixed reds	type mixed reds	type mixed reds			
	Postelsia palmaeformis								
		Hedophyllum sessile							
		Codium fragile	Codium fragile		Codium fragile				
	Lessoniopsis littoralis		Laminaria saccharina	Laminaria saccharina	Laminaria saccharina	Laminaria saccharina			
		Egregia menziesii							
	Laminaria setchellii	Laminaria setchellii							
		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							
		Phyllospadix scouleri							
subtidal		Macrocystis integrifolia							
	Nereocystis luetkeana	Nereocystis luetkeana	Nereocystis luetkeana		Nereocystis luetkeana				
		Strongylocentrotus	Strongylocentrotus		Strongylocentrotus				
		franciscanus	franciscanus		franciscanus				
			Zostera marina	Zostera marina	Zostera marina	Zostera marina	Zostera marina	1	1

Table WCVI. GOES WITH BIO_AREAS WCVI, SCVI, WCVINorth, JdF

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.



102I.077 +

+ 31 + +

