092C.092				
092F.001				
			$\sim$	
			7	
				C
Data Source: Shoreline Type				
GeoBC Coastal Resource Shorezone Database, 2008 Base Information 1:20,000 GeoBC Terrain Resource Information				
1:20,000 N				
0 0.25 0.5 1 S				
Legend				
• Unit Break Points	Mobile/Pa	artially Mobile Substrates		
Undefined Immobile Substrates	6 - 9 7 - 9	5and & Gravel - CC 24-26, 32 -SP 5and & Gravel - CC 24-26,32 - VP/P		The Habitat Type
1 - Bedrock - CC 1-20 - VE	8 - E	Estuary or Sand/Mud - CC 27-31 - VP/P/SP Sediment - CC 21 - 30 - SE/E		been mapped. T features. Each Habitat Tyr
3 - Bedrock/Boulder - CC 1-23, 32, 33 - SE	E Current D	ominated		Semi-exposed, Ir biobands and ind
4 - Bedrock/Gravel - CC 1-23, 33 - SP 5 - Bedrock/Gravel - CC 1-23,33 - P/VP	Tidal Lag	Bedrock or Sediment - CC 34 - VP/P/SP oon		How IS Habitat Ty Each Habitat Typ To determine the 1 ⊡records the c
CC Type	11 -	Bedrock or Sediment - CC 35 - VP/P/SP	]	2. assigns a bio 3. reviews the p 4. assigns the F
Rock Shore Types - characterized by a lack of clastic sediments such as gravel or sate of the sediment sedi	and. Sedimen	t Shore Types - have substrates that have little or no bedcrock cropping out 21 Gravel Flat, Wide 22 Gravel Beach 23 Gravel Flat or Fan		The Habitat Type detailed across-s
4 Rock Ramp, Narrow 5 Rock Platform Narrow Rock and Sediment Shore Types - rock and pockets of clastic sediments 6 Ramp with Gravel Beach Wide		24 Sand and Gravel Flat or Fan, Wide 25 Sand and Gravel Beach 26 Sand and Gravel Flat or Fan, Narrow 27 Sand Beach, Wide		Habitat Type is a ∙□the biobands c
7 Platform with Gravel Beach, Wide 8 Cliff with Gravel Beach 9 Ramp with Gravel Beach, Narrow		28 Sand Flat 29 Mud Flat 30 Sand Beach, Narrow 21 Estuaries		• ⊔ the substrate t
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	Man-Ma	de Materials 32 Man-made, permeable 33 Man-made, impermeable		CC - Coastal Cla
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	Current	Dominated 34 Channel 35 Tidal Lagoon		E - Exposed - Ve VE - Very Expose SE - Semi Expose
18 Cliff with Sand Beach 19 Ramp with Sand Beach, Narrow 20 Platform with Sand Beach, Narrow				P - Protected - Lo SP - Semi Protec VP - Very Protec

wave Exposur
E - Exposed -
VE - Very Expo
SE - Semi Exp
P - Protected -
SP - Semi Pro
VP - Very Prot

## 092F.002

Quisitis Point

## 092C.092

0

## **Shoreline Habitat**

t Type provides a simplified picture of the "look" of the unit overall, based on the detailed biophysical attributes that have ed. The Habitat Type category is a summary of the observations of both the unit's biologial and geomorphological at Type has a definition that includes the typical substrate, wave exposure and biobands. For example, for the sed, Immobile substrate Habitat Type, part of the definition of that class is a certain combination of the most likely ind indictor species present at a bedrock shoreline with no mobile sediment present.

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

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

 $\checkmark$ 

1

C

t Type is based on the whole unit and is similar to the physical mappers use of the 'Coastal Class' category, in that the ross-shore data are summarized into one attribute. The simplified category describes the features of the whole unit.

e is a summary of the biophysical classification of the whole shore unit, based on: ands observed, exposure as indicated by the bands, and

rate types in the unit. finitions al Classification number

ed - Very high wave exposure, open ocean swellsm usually fetches >500km Exposed - Extreme high wave exposure Exposed - High wave exposure, open shorelines, areas between fully exposed and more sheltered, usually fetches 50 to 500km ed - Low wave expsoure, sheltered inlets, usually fetches less than 10km Protected - Moderate wave expsoure, partly sheltered, usually fetches 10-50km otected - Very low wave exposure, fethces < 1km, sheltered anchorages at heads of bays and inletes

С

E

Vancou	ver Island bio-ma	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		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 but shows
middle									indicator species
	Semibalanus carriosus	Semibalanus carriosus	Semibalanus carriosus		Semibalanus carriosus				from higher wave
									exposures.
	Politcipes polymerus		Mytitus trossulus	Myttius trossulus	Mytilus trossulus	Mynius trossulus	Mythus trossulus	no visible macrobiota	
midflorr	Matilua estifessiones	Matilum antiGaminana	Ulva/Ulvaria spp.	Ulva/Ulvaria spp.	Uiva/Uivaria spp.	Uiva/Uivaria spp.	Utva/ Utvaria spp.	due to sediment	
mid/low	Mytuus caujornianus	Mynuus canjornianus Mieneoladia/Inidea ture	Cigaritius/Odouthalia	Ciamting/Odouthalia	Cia anting Odowthalia	Cia mating (Odouthalia		moonity	
		mixed reds	type mixed reds	type mixed reds	type mixed reds	type mixed reds			
	Postelsia palmaeformis								
		Hedophyllum sessile							
		Codium fragile	Codium fragile		Codium fragile				
lower	Lessoniopsis littoralis		Laminaria saccharina	Laminaria saccharina	Laminaria saccharina	Laminaria saccharina			
		Egregia menziesii							
	Laminaria setchellii	Laminaria setchellii							
	41 .	Laminaria groenlandica	Laminaria groenlandica		Laminaria groenlandica				
	Alaria nana.	Alaria marginata.	Alaria marginata.		Alaria marginata.				
	Title all month and	Elsenia arborea	Title the second and		Title all more income				
	Lunoinammion	Linoinamnion	Ennormannion						
		Anarum m	Aggroup of	Agamma ga	Aaarum muucum	4 a amin m			
		Agar um sp Phyllosnadiy sconlari	Agar um sp	Agar um sp	Agar um sp	Agar um sp			
subtidal		Macrocystis integrifolia	Macrocystix inteorifolia	Macrocystix inteorifolia	Macrocystis inteorifolia	Macroevstis inteorifolia			
0001100	Nereocystis luetkeana	Nereocystis luetkeana	Nereocystis luetkeana	araner ve pour nuegr y vuu	Nereocystis luetkeana	araner veryous nuegrig vitte			
		Strongylocentrotus	Strongylocentrotus		Strongylocentrotus				
		franciscanus	franciscanus		franciscanus				
	1	1	7 astova mavina	Zastava mavina	Zartana marina	Zastana manina a	Zastava manin a	1	



