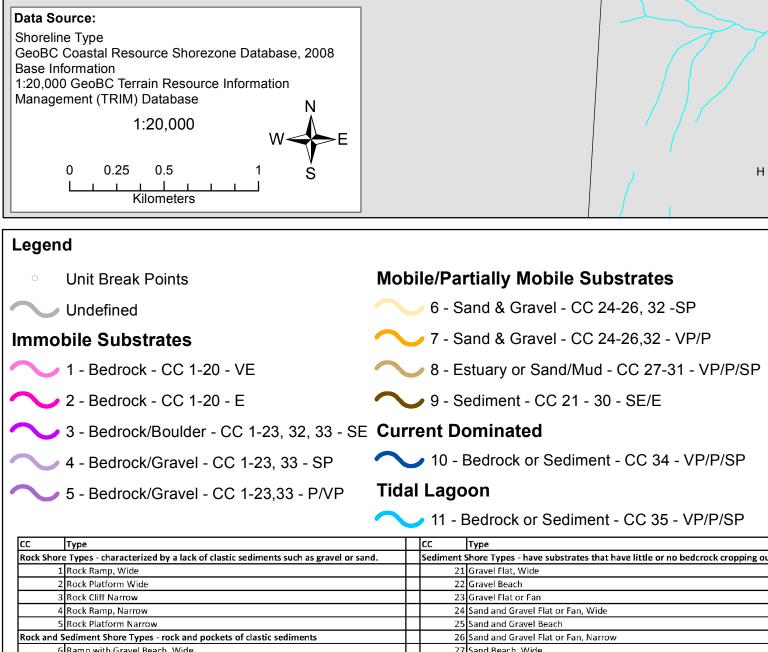
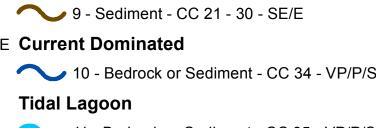
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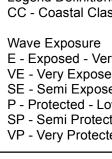


C	Туре	cc	Туре
ock Sł	nore Types - characterized by a lack of clastic sediments such as gravel or sand.	Sedimer	nt Shore Types - have substrates that have little or no bedcrock cropping out
	1 Rock Ramp, Wide		21 Gravel Flat, Wide
	2 Rock Platform Wide		22 Gravel Beach
	3 Rock Cliff Narrow		23 Gravel Flat or Fan
	4 Rock Ramp, Narrow		24 Sand and Gravel Flat or Fan, Wide
	5 Rock Platform Narrow		25 Sand and Gravel Beach
ock ar	nd Sediment Shore Types - rock and pockets of clastic sediments		26 Sand and Gravel Flat or Fan, Narrow
	6 Ramp with Gravel Beach, Wide		27 Sand Beach, Wide
	7 Platform with Gravel Beach, Wide		28 Sand Flat
	8 Cliff with Gravel Beach		29 Mud Flat
	9 Ramp with Gravel Beach, Narrow		30 Sand Beach, Narrow
	10 Platform with Gravel Beach, Narrow		31 Estuaries
	11 Ramp with Sand and Gravel Beach, Wide	Man-Ma	de Materials
	12 Platform with Sand and Gravel Beach, Wide		32 Man-made, permeable
	13 Cliff with Sand and Gravel Beach		33 Man-made, impermeable
	14 Ramp with Sand and Gravel Beach, Narrow	Current	Dominated
	15 Platform with Sand and Gravel Beach, Narrow		34 Channel
	16 Ramp with Sand Beach, Wide		35 Tidal Lagoon
	17 Platform with Sand Beach, Wide		
	18 Cliff with Sand Beach		
	19 Ramp with Sand Beach, Narrow		
	20 Platform with Sand Beach, Narrow		

features.

HALLECK

• The biobands observed,



Management (TRIM) Database

0 0.25 0.5

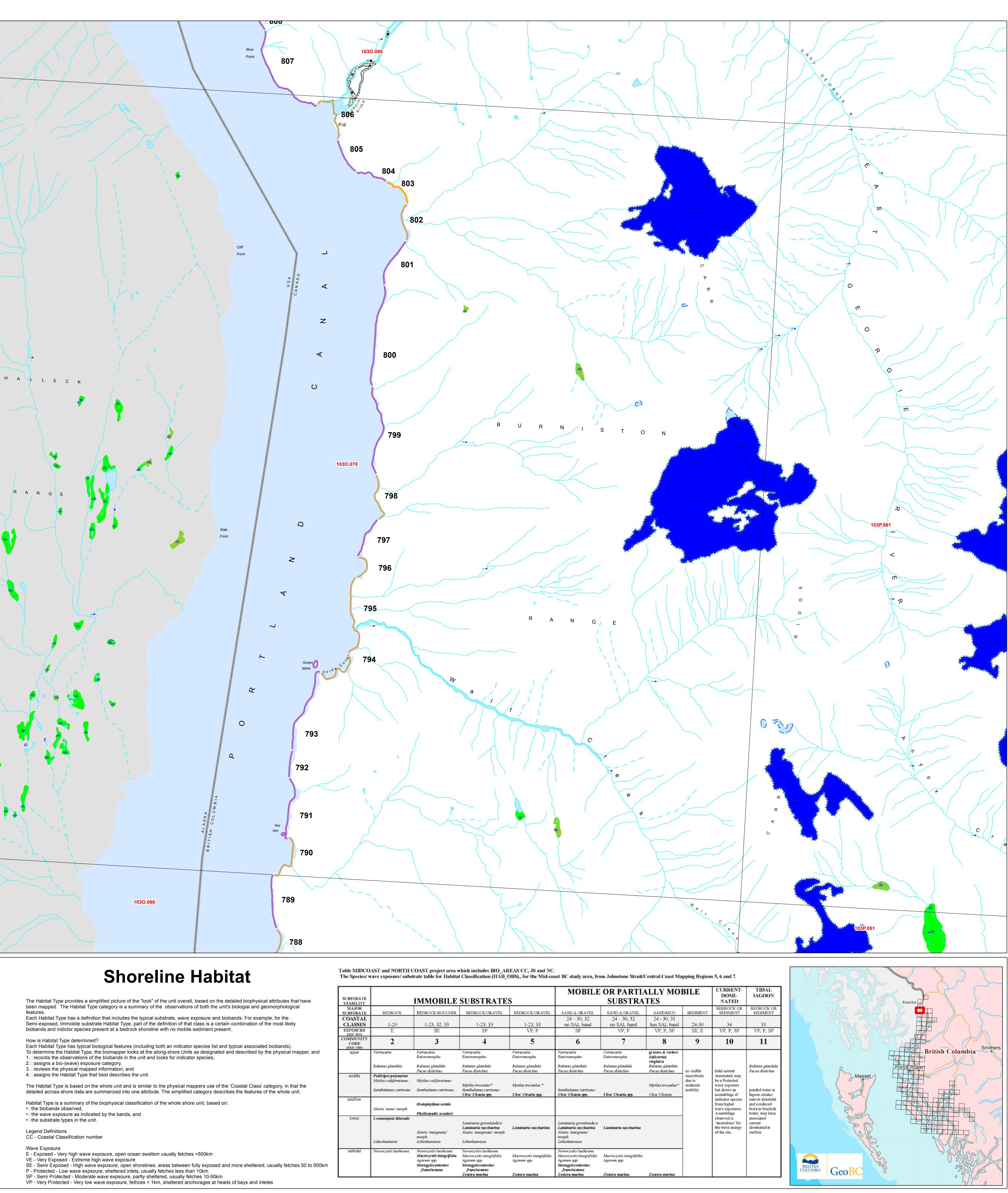
Legend

• Unit Break Points

## Undefined

1 - Bedrock - CC 1-20 - VE

2 - Bedrock - CC 1-20 - E



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)	E	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 Balanus glandula	Verrucaria Enteromorpha Balanus glandula Fucus distichus	Verrucaria Enteromorpha Balanus glandula Fucus distichus	Verrucaria Enteromorpha Balanus glandula Fucus distichus	Verrucaria Enteromorpha Balanus glandula Fucus distichus	Verrucaria Enteromorpha Balanus glandula Fucus distichus	grasses & rushes Salicornia virginica Balanus glandula Fucus distichus	macrobiota d due to b sediment v mobility b	from higher	Balanus glandula Fucus distichus
middle	Pollicipes polymerus Mytilus californianus Semibalanus carriosus	Mytilus californianus Semibalanus carriosus	Mytilus trossulus* Semibalanus carriosus Ulva/ Ulvaria spp.	Mytilus trossulus * Ulva/ Ulvaria spp.	Semibalanus carriosus Ulva/ Ulvaria spp.	Ulva/ Ulvaria spp.	Mytilus trossulus" Ulva/Ulvaria			ponded water in lagoon creates narrow intertidal and a reduced biota in brackish water, may have associated current dominated at outflow
mid/low	Alaria 'nana' morph	Hedophyllum sessile Phyllospadix scouleri								
lower	Lessoniopsis littoralis Lithothamnion	Alaria 'marginata' morph Lithothamnion	Laminaria groenlandica <b>Laminaria saccharina</b> Alaria 'marginata' morph Lithothamnion	Laminaria saccharina	Laminaria groenlandica Laminaria saccharina Alaria 'marginata' morph Lithothamnion	Laminaria saccharina				
subtidal	Nereocystis luetkeana	Nereocystis luetkeana Macrocystis integrifolla Agarum spp. Strongylocentrotus franciscanus	Nereocystis luetkeana Macrocystis integrifolia Agarum spp. Strongylocentrotus franciscanus Zostera marina	Macrocystis integrifolia Agarum spp. Zostera marina	Nereocystis luetkeana Macrocystis integrifolia Agarum spp. Strongylocentrotus franciscanus Zostera marina	Macrocystis integrifolia Agarum spp. Zostera marina	Zostera marina			

