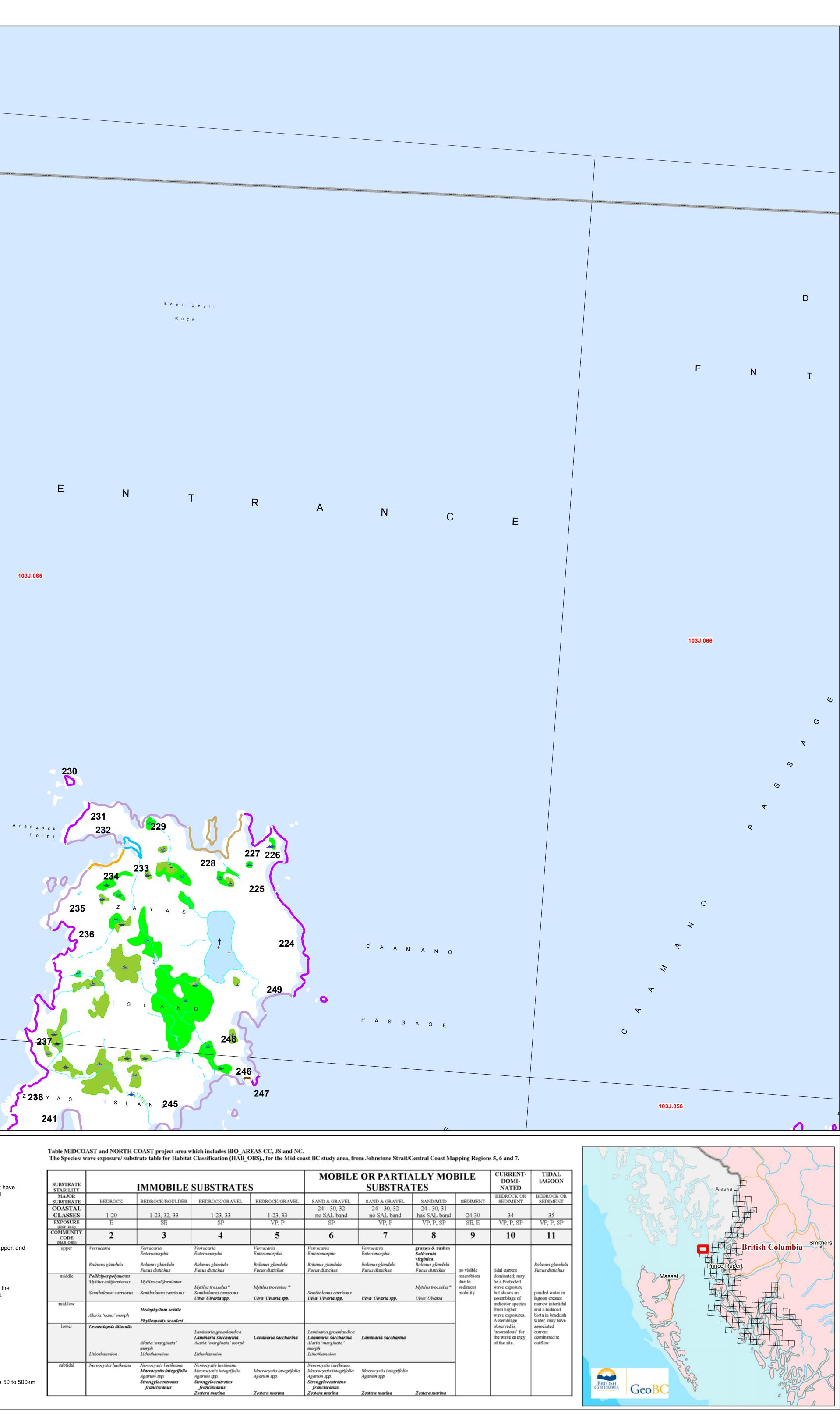
Data Source: Share The Type Geode C Coastal Resource Shorezone Database, 2008 Ease Information		
 Unit Break Points Undefined Immobile Substrates 1 - Bedrock - CC 1-20 - VE 2 - Bedrock - CC 1-20 - E 3 - Bedrock/Boulder - CC 1-23, 32, 33 - S 4 - Bedrock/Boulder - CC 1-23, 33 - SP 5 - Bedrock/Gravel - CC 1-23, 33 - SP 5 - Bedrock/Gravel - CC 1-23, 33 - P/VP Ecc Type Rock Shore Types - characterized by a lack of clastic sediments such as gravel or r1 Rock Ramp, Wide 2 Rock Platform Wide 3 Rock Cliff Narrow 4 Rock Amp, Narrow 5 Rock Platform Narrow 5 Rock Platform Narrow 8 Rock and Sediment Shore Types - rock and pockets of clastic sediments 6 Ramp with Gravel Beach, Wide 9 Ramp with Gravel Beach, Wide 10 Platform with Gravel Beach, Narrow 10 Platform with Gravel Beach, Narrow 11 Ramp with Sand and Gravel Beach, Wide 12 Platform with Gravel Beach, Narrow 13 Ramp 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 17 Platform with Sand and Gravel Beach, Narrow 18 Ramp with Sand Beach, Wide 19 Platform with Sand and Gravel Beach, Narrow 19 Platform with Sand and Gravel Beach, Narrow 16 Ramp with Sand Beach, Wide 17 Platform with Sand and Gravel Beach, Narrow 18 Ramp with Sand Beach, Wide 17 Platform with Sand Beach, Wide 17 Platform with Sand Beach, Wide 18 Ramp with Sand Beach, Wide 19 Platform with Sand Beach, Narrow 16 Ramp with Sand Beach, Wide 17 Platform with Sand Beach, Wide 18 Ramp with Sand Beach, Wide 19 Platform with Sand Beach, Wide 19 Platform with Sand Beach, Narrow 16 Ramp with Sand Beach, Wide 17 Platform with Sand Beach, Wide 18 Ramp with Sand Beach, Wide 19 Platform with Sand Beach, Wide	 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. T features. Each Habitat Typ Semi-exposed, Ir biobands and ind How is Habitat Typ Each Habitat Typ To determine the 1. □records the ol 2. □assigns a bio- 3. □reviews the pi 4. □ assigns the H The Habitat Type is a • □the biobands o • □the wave expo • □the substrate ty Legend Definition CC - Coastal Clas Wave Exposure E - Exposed - Vei VE - Very Expose SE - Semi Expos P - Protected - Lo SP - Semi Protec

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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.

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 ted - Low wave expsoure, sheltered inlets, usually fetches less than 10km Protected - Moderate wave expsoure, partly sheltered, usually fetches 10-50km rotected - 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 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 do due to be sediment wa mobility bu	tidal current	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		dominated; may be a Protected wave exposure but shows an assemblage of	ponded water in lagoon creates
mid/low	Alaria 'nana' morph	Hedophyllum sessile Alaria 'nana' morph Phyllospadix scouleri		ewa ewana spp. ewa ewana spp.			ona onana	1	indicator species from higher wave exposures. Assemblage	narrow intertidal and a reduced biota in brackish water, may have
lower	Lessoniopsis littoralis Lithothamnion	oniopsis littoralis Laminaria groenlandica Laminaria saccharina Alaria 'marginata' Alaria 'marginata' morph morph	Laminaria saccharina	Laminaria groenlandica Laminaria saccharina Alaria 'marginata' morph Lithothamnion	Laminaria saccharina			observed is 'anomalous' for the wave energy of the site.	associated current dominated at outflow	
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			

