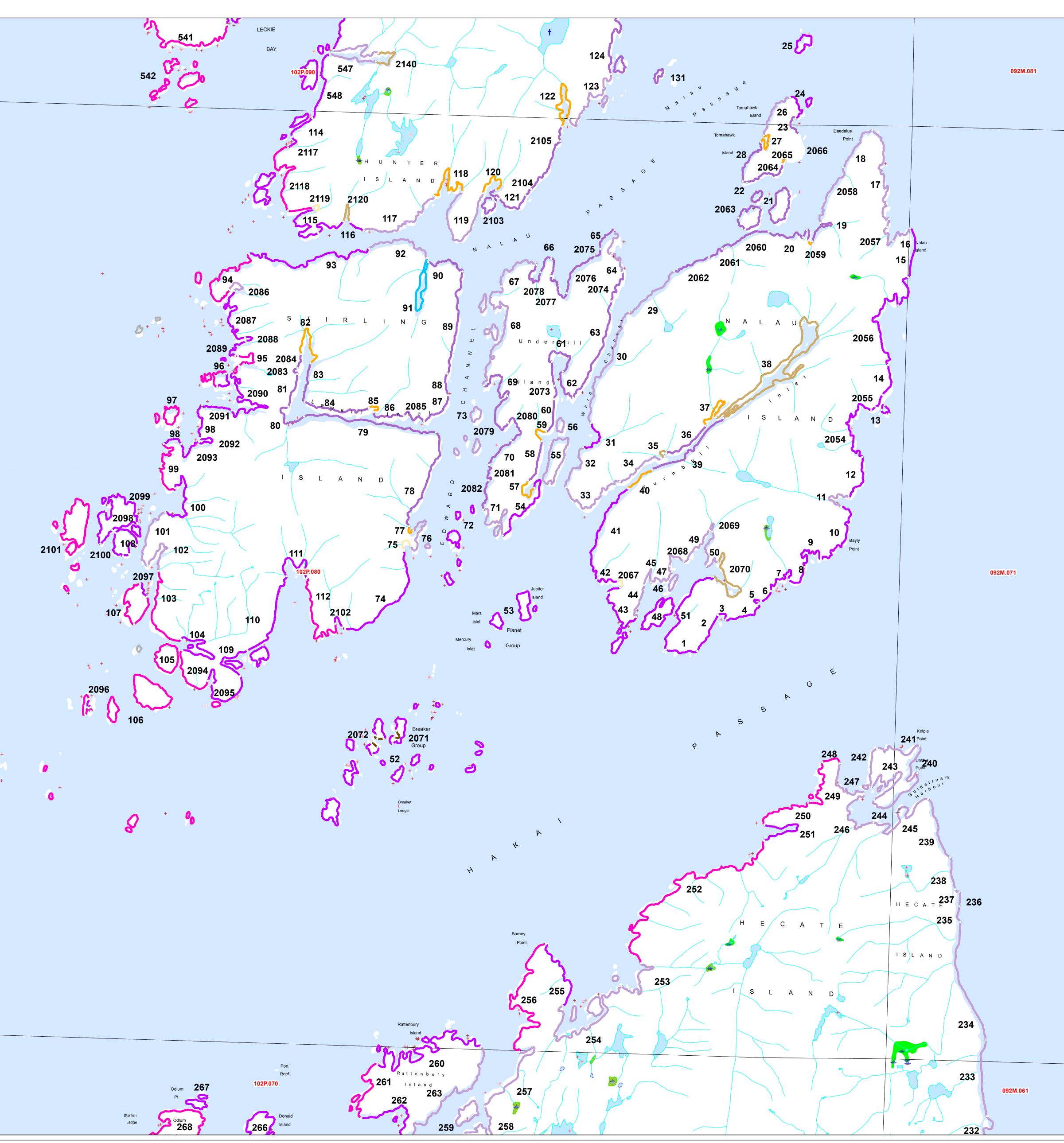
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Data Source: Shoreline Type GeoBC Coastal Resource Shorezone Database, 2008		
Base Information 1:20,000 GeoBC Terrain Resource Information Management (TRIM) Database N		
1:20,000 W		
0 0.25 0.5 1 S		
.egend		
 Unit Break Points Undefined 	Mobile/Partially Mobile Substrates 6 - Sand & Gravel - CC 24-26, 32 -SP	
mmobile Substrates	7 - Sand & Gravel - CC 24-26,32 - VP/P	The Habitat Type
	 8 - Estuary or Sand/Mud - CC 27-31 - VP/P/SP 9 - Sediment - CC 21 - 30 - SE/E 	been mapped. T features. Each Habitat Typ Semi-exposed, I
 3 - Bedrock/Boulder - CC 1-23, 32, 33 - SE 4 - Bedrock/Gravel - CC 1-23, 33 - SP 	Current Dominated 10 - Bedrock or Sediment - CC 34 - VP/P/SP	biobands and inc How is Habitat T
5 - Bedrock/Gravel - CC 1-23,33 - P/VP	Tidal Lagoon	Each Habitat Typ To determine the 1.⊡records the o
CC Type Rock Shore Types - characterized by a lack of clastic sediments such as gravel or sand.		2.□assigns a bio 3.□reviews the p 4.□assigns the F
1 Rock Ramp, Wide 2 Rock Platform Wide 3 Rock Cliff Narrow 4 Rock Ramp, Narrow	21 Gravel Flat, Wide 22 Gravel Beach 23 Gravel Flat or Fan 24 Sand and Gravel Flat or Fan, Wide	The Habitat Type detailed across-s
5 Rock Platform Narrow Rock and Sediment Shore Types - rock and pockets of clastic sediments 6 Ramp with Gravel Beach, Wide	25 Sand and Gravel Beach 26 Sand and Gravel Flat or Fan, Narrow 27 Sand Beach, Wide	Habitat Type is a ● □ the biobands o ● □ the wave expo
7 Platform with Gravel Beach, Wide 8 Cliff with Gravel Beach 9 Ramp with Gravel Beach, Narrow 10 Platform with Gravel Beach, Narrow	28 Sand Flat 29 Mud Flat 30 Sand Beach, Narrow 31 Estuaries	•⊡the substrate t Legend Definitio
11 Ramp with Sand and Gravel Beach, Wide 12 Platform with Sand and Gravel Beach, Wide 13 Cliff with Sand and Gravel Beach 14 Ramp with Sand and Gravel Beach, Narrow	Man-Made Materials 32 Man-made, permeable 33 Man-made, impermeable Current Dominated Impermeable	CC - Coastal Cla Wave Exposure E - Exposed - Ve
15 Platform with Sand Beach, Wide 17 Platform with Sand Beach, Wide 17 Platform with Sand Beach, Wide 18 Cliff with Sand Beach	34 Channel 35 Tidal Lagoon	E - Exposed - Ve VE - Very Expos SE - Semi Expos P - Protected - I

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



Shoreline Habitat

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

ype determined? ype 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 observations of the biobands in the unit and looks for indicator species,

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

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

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

osure as indicated by the bands, and types in the unit.

ns assification number

/ery high wave exposure, open ocean swellsm usually fetches >500km used - 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

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
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	no visible macrobiota due to sediment mobility	tidal current dominated; may be a Protected wave exposure but shows an assemblage of indicator species from higher wave exposures. Assemblage observed is 'anomalous' for the wave energy of the site.	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 Laminaria saccharina Alaria 'marginata' morph Lithothannion	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			

