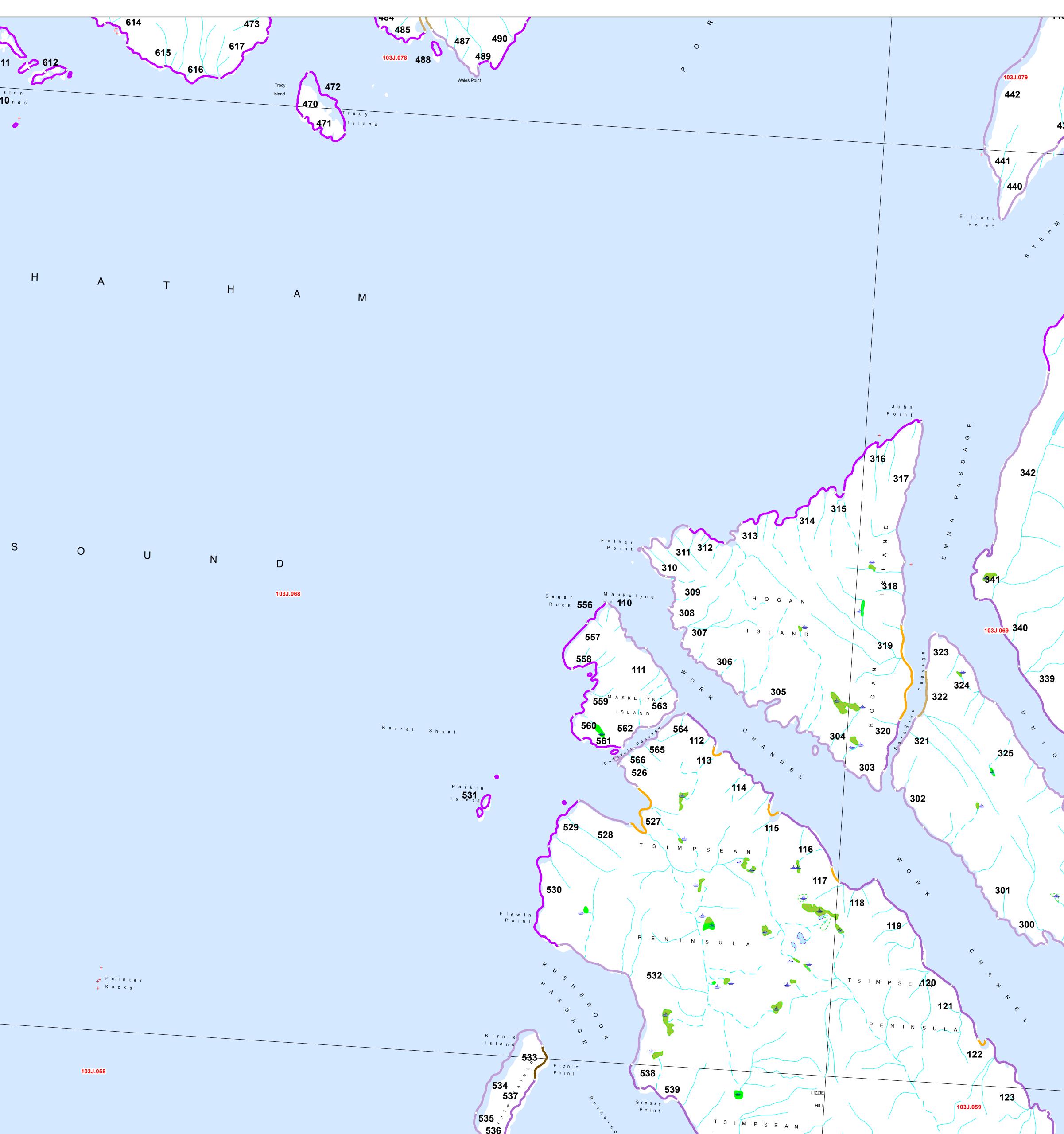
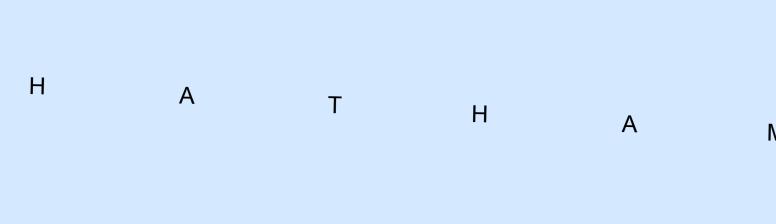
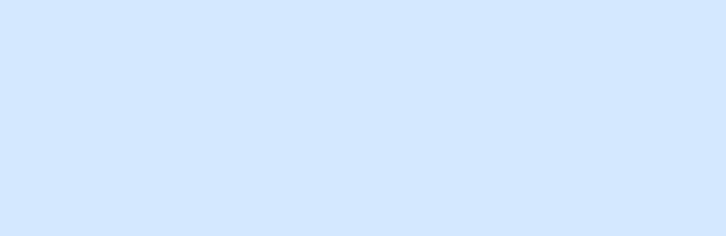
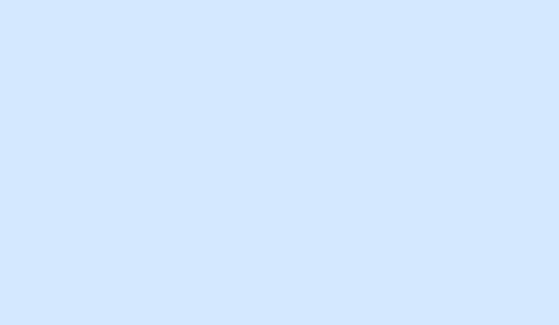
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			4	
Data Source: Shoreline Type GeoBC Coastal Resource Shorezone Database, 2008			4	
Base Information 1:20,000 GeoBC Terrain Resource Information Management (TRIM) Database			1	
1:20,000 W E 0 0.25 0.5 1 S				
Kilometers				^
 Unit Break Points Undefined 	Mobile/Partially Mo	obile Substrates Ivel - CC 24-26, 32 -SP		
Immobile Substrates 1 - Bedrock - CC 1-20 - VE	🔨 7 - Sand & Gra	ivel - CC 24-26, 32 -SP ivel - CC 24-26,32 - VP/P Sand/Mud - CC 27-31 - VP/P/	SP	The Habitat Type been mapped. T
2 - Bedrock - CC 1-20 - E 3 - Bedrock/Boulder - CC 1-23, 32, 33 - S	9 - Sediment -	CC 21 - 30 - SE/E		features. Each Habitat Typ Semi-exposed, Ir biobands and ind
4 - Bedrock/Gravel - CC 1-23, 33 - SP 5 - Bedrock/Gravel - CC 1-23,33 - P/VP		r Sediment - CC 34 - VP/P/SF	ס	How is Habitat Ty 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 s	CC Type and. Sediment Shore Types - have	r Sediment - CC 35 - VP/P/SF		1.□records the o 2.□assigns a bio 3.□reviews the p 4.□assigns the H
1 Rock Ramp, Wide 2 Rock Platform Wide 3 Rock Cliff Narrow 4 Rock Ramp, Narrow 5 Rock Platform Narrow	21 Gravel Flat, Wid 22 Gravel Beach 23 Gravel Flat or Fa 24 Sand and Gravel 25 Sand and Gravel	e an I Flat or Fan, Wide		The Habitat Type detailed across-s Habitat Type is a
Rock and Sediment Shore Types - rock and pockets of clastic sediments 6 Ramp with Gravel Beach, Wide 7 Platform with Gravel Beach, Wide 8 Cliff with Gravel Beach 9 Ramp with Gravel Beach, Narrow		l Flat or Fan, Narrow de		 □the biobands c □the wave expo □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	31 Estuaries Man-Made Materials 32 Man-made, perr 33 Man-made, imp	neable		Legend Definitior CC - Coastal Cla Wave Exposure
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 18 Cliff with Sand Beach	Current Dominated Current Dominated Channel Current Jagoon Current			E - Exposed - Ve VE - Very Expose SE - Semi Expos P - Protected - Lo
19 Ramp with Sand Beach, Narrow 20 Platform with Sand Beach, Narrow				SP - Semi Protect VP - Very Protect

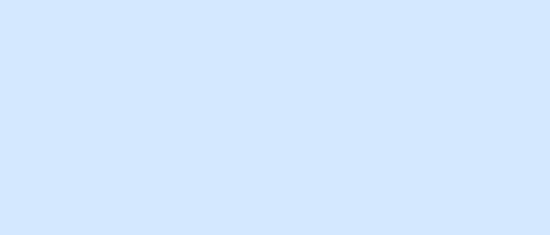




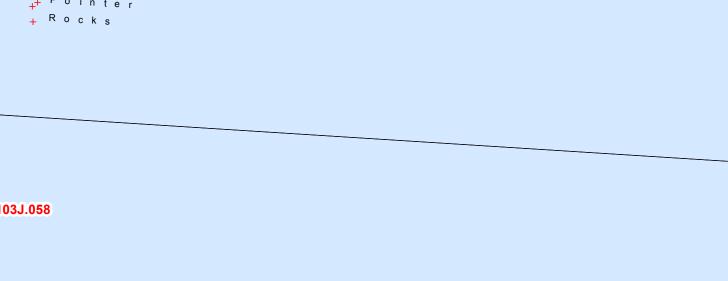












Shoreline Habitat

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 pe has a definition that includes the typical substrate, wave exposure and biobands. For example, for the mmobile 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, o-(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

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

SUBSTRATE STABILITY MAJOR SUBSTRATE	IMMOBILE SUBSTRATES			MOBILE OR PARTIALLY MOBILE SUBSTRATES				CURRENT- DOMI- NATED	TIDAL IAGOON	
	BEDROCK	BEDROCK/BOULDER	BEDROCK/GRAVEL	BEDROCK/GRAVEL	SAND & GRAVEL	SAND & GRAVEL	SAND/MUD	SEDIMENT	BEDROCK OR I 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	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	Balanus glandul 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
mid/low	Alaria 'nana' morph	Hedophyllum sessile Phyllospadix scouleri		<i>I</i>						
lower	Lessoniopsis littoralis Lithothamnion	Alaria 'marginata' morph Lithothamnion	Laminaria groenlandica Laminaria saccharina Alaria 'marginata' morph Lithothannion	Laminaria saccharina	Laminaria groenlandica Laminaria saccharina Alaria 'marginala' 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			

