	+ + + + T
Data Source:         Shoreline Type         GeoBC Coastal Resource Shorezone Database, 2008         Base Information         1:20,000 GeoBC Terrain Resource Information         Management (TRIM) Database         1:20,000         0       0.25       0.5       1         0       0.25       0.5       1         View       S       S         Legend       Legend	

Immobile Substrates

103H.002

103H.011

1 - Bedrock - CC 1-20 - VE 2 - Bedrock - CC 1-20 - E

Rock and Sediment Shore Types - rock and pockets of clastic6Ramp with Gravel Beach, Wide7Platform with Gravel Beach, Wide8Cliff with Gravel Beach9Ramp with Gravel Beach, Narrow10Platform with Gravel Beach, Narrow11Ramp with Sand and Gravel Beach, Wide12Platform with Sand and Gravel Beach, Wide13Cliff with Sand and Gravel Beach, Wide14Ramp with Sand and Gravel Beach, Narrow15Platform with Sand and Gravel Beach, Narrow16Ramp with Sand Beach, Wide17Platform with Sand Beach, Wide18Cliff with Sand Beach19Ramp with Sand Beach, Narrow20Platform with Sand Beach, Narrow

7 - Sand & Gravel - CC 24-26,32 - VP/P 8 - Estuary or Sand/Mud - CC 27-31 - VP/P/SP

✓ 9 - Sediment - CC 21 - 30 - SE/E

3 - Bedrock/Boulder - CC 1-23, 32, 33 - SE **Current Dominated** 

→ 4 - Bedrock/Gravel - CC 1-23, 33 - SP → 10 - Bedrock or Sediment - CC 34 - VP/P/SP

5 - Bedrock/Gravel - CC 1-23,33 - P/VP Tidal Lagoon 11 - Bedrock or Sediment - CC 35 - VP/P/SP 

 CC
 Type

 Rock Shore Types - characterized by a lack of clastic sediments such as gravel or sand.
 Sediment Shore Types - have substrates that have little or no bedcrock cropping out

 1
 Rock Ramp, Wide
 21 Gravel Elst, Wide

 21
 Gravel Flat, Wide

 22
 Gravel Flat, Wide

 23
 Gravel Beach

 23
 Gravel Flat or Fan

 24
 Sand and Gravel Flat or Fan, Wide

 25
 Sand and Gravel Beach

 26
 Sand and Gravel Beach

 

 Rock Shore Types - characterized by a lack of clastic sediments such as grave

 1
 Rock Ramp, Wide

 2
 Rock Platform Wide

 3
 Rock Cliff Narrow

 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

 26 Sand and Gravel Flat or Fan, Narrow 27 Sand Beach, Wide 28 Sand Flat 29 Mud Flat
 30 Sand Beach, Narrow
 31 Estuaries
 Man-Made Materials
 32 Man-made, permeable
 33 Man-made, impermeable
 Current Dominated
 34 Channel 34 Channel 35 Tidal Lagoon

features.

• The biobands observed,





Table MIDCO The Species/ w	AST and NORTH C vave exposure/ subst	COAST project area w trate table for Habitat	vhich includes BIO_AF t Classification (HAB_0	REAS CC, JS and NC OBS)., for the Mid-co	ast BC study area, fro	om Johnstone Strait/G	Central Coast Ma	pping Region	s 5, 6 and 7.	
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 Eucus distichus	Verrucaria Enteromorpha Balanus glandula Fucus distichus	Verrucaria Enteromorpha Balanus glandula Fucus distichus	grasses & rushes Salicornia virginica Balconus glandula Fucus distictus	no visible	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 * UNa/ UNaria spp.	Semibalanus carriosus Ulva/ Ulvaria spp.	Ulva/ Ulvaria spp.	Mytilus trossulus" Ulva/ Ulvaria	macrobiota due to sediment mobility	dominated; may be a Protected wave exposure but shows an assemblage of	ponded water in lagoon creates
mid/low	Alaria 'nana' morph	Hedophyllum sessile Phyllospadix scouleri							indicator species from higher wave exposures. Assemblage	narrow intertidal and a reduced biota in brackish water, may have
lower	Lessoniopsis littoralis Lithothamnion	Alaria 'marginata' morph Lithothamnion	Laminaria groenlandica <b>Laminaria saccharina</b> Alaria 'marginata' morph Lithothannion	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	Macrocystis integrifolia Agarum spp.	Nereocystis luetkeana Macrocystis integrifolia Agarum spp. Strongylocentrotus franciscanus	Macrocystis integrifolia Agarum spp.	7			
			Zostera marina	Zostera marina	Zostera marina	Zostera marina	Zostera marina			

