



Legend

Mobile/Partially Mobile Substrates

Cc	Type	Cc	Type
Rock Shores Types - characterized by a block of clastic sediments such as gravel or sand		Soft Shore Types - have substrates that have little or no bedrock cropping out	
1	Rocky Beach, Narrow	21	Gravel Flat, Wide
2	Rocky Platform, Wide	22	Gravel Beach
3	Rocky Cliff, Narrow	23	Gravel Flat or Sand Flat
4	Rocky Ramp, Narrow	24	Sand and Gravel Flat or Fan, Wide
5	Sediment Platform, Narrow	25	Sand and Gravel Beach
Rock and 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	Gravel Flat
9	Ramp with Gravel Beach, Narrow	30	Sand Beach, Narrow
10	Platform with Gravel Beach, Narrow	31	Cliff faces
11	Ramp with Sand and Gravel Beach, Wide	Man-Made Materials	
12	Platform with Sand and Gravel Beach, Wide	32	Artificially permeable
13	Cliff with Sand and Gravel Beach	33	Nonnaturally permeable
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	Long Lagoon
17	Platform with Sand Beach, Wide		
18	Cliff with Sand Beach		
19	Ramp with Sand Beach, Narrow		
20	Platform with Sand Beach, Narrow		

Shoreline Habitat

Table MIDCOAST and NORTH COAST project which includes BIO_AREAS_CC, JS and NC. The Species' wave exposure/ substrate table for Habitat Classification (HAB_OBS), for the Mid-coast BC study area, from Johnstone Strait/Central Coast Mapping Regions 5, 6, and 7.										
SUBSTRATE STABILITY MAJOR SUBSTRATE	IMMOBILE SUBSTRATES						MOBILE OR PARTIALLY MOBILE SUBSTRATES		CURRENT-DOMINANT	TIDAL LAGOON
	REDFECK	REDFECK/BOULDER	REDFECK/GRAVEL	REDFECK/CRACK	SAND A GRAVEL	SAND A GRAVEL	SAND/MUD	SEDIMENT		
COASTAL CLASSES	1-20	1-23, 32	1-23, 33	1-23, 33	24 - 30, 32 has SAL band	24 - 30, 32 has SAL band	24 - 30, 31 has SAL band	24-30	34	35
EXPOSURE CODE	E	SE	SE	VP, P	SP	VP, P	VP, P, SP	SE, E	VP, P, SP	VP, P, SP
COMMUNITY CODE (OAR OBS)	2	3	4	5	6	7	8	9	10	11
upper	<i>Fernocrita</i> <i>Enteromorpha</i>	<i>Fernocrita</i> <i>Enteromorpha</i>	<i>Fernocrita</i> <i>Enteromorpha</i>	<i>Fernocrita</i> <i>Enteromorpha</i>	<i>Fernocrita</i> <i>Enteromorpha</i>	<i>Fernocrita</i> <i>Enteromorpha</i>	<i>Fernocrita</i> <i>Enteromorpha</i> <i>Valoniopsis</i> <i>Salicornia</i> <i>Salicornia</i>	grasses & reeds <i>Salicornia</i> <i>Salicornia</i> <i>Salicornia</i> <i>Salicornia</i>	no visible macroalgae due to sediment mobility	total current dominated; may be a Protected wave exposure but shows an assemblage of indicator species from higher wave exposures. Assemblage observed is "accidental" for the wave energy of the site.
middle	<i>Polysiphonia</i> <i>Polysiphonia</i> <i>Semibalanus carterius</i>	<i>Mytilus californianus</i> <i>Mytilus californianus</i> <i>Semibalanus carterius</i>	<i>Mytilus rosaceus</i> <i>Mytilus rosaceus</i> <i>Semibalanus carterius</i>	<i>Mytilus rosaceus</i> <i>Mytilus rosaceus</i> <i>Semibalanus carterius</i>	<i>Mytilus rosaceus</i> <i>Mytilus rosaceus</i> <i>Semibalanus carterius</i>	<i>Mytilus rosaceus</i> <i>Mytilus rosaceus</i> <i>Semibalanus carterius</i>	<i>Mytilus rosaceus</i> <i>Mytilus rosaceus</i> <i>Semibalanus carterius</i>	<i>Mytilus rosaceus</i> <i>Mytilus rosaceus</i> <i>Semibalanus carterius</i>	no visible macroalgae due to sediment mobility	total current dominated; may be a Protected wave exposure but shows an assemblage of indicator species from higher wave exposures. Assemblage observed is "accidental" for the wave energy of the site.
mid-low	<i>Phyllospora</i> <i>Alaria nana</i>	<i>Phyllospora</i> <i>Alaria nana</i>	<i>Phyllospora</i> <i>Alaria nana</i>	<i>Phyllospora</i> <i>Alaria nana</i>	<i>Phyllospora</i> <i>Alaria nana</i>	<i>Phyllospora</i> <i>Alaria nana</i>	<i>Phyllospora</i> <i>Alaria nana</i>	<i>Phyllospora</i> <i>Alaria nana</i>	no visible macroalgae due to sediment mobility	total current dominated; may be a Protected wave exposure but shows an assemblage of indicator species from higher wave exposures. Assemblage observed is "accidental" for the wave energy of the site.
lower	<i>Leptocarpus littoralis</i>	<i>Leptocarpus littoralis</i>	<i>Leptocarpus littoralis</i>	<i>Leptocarpus littoralis</i>	<i>Leptocarpus littoralis</i>	<i>Leptocarpus littoralis</i>	<i>Leptocarpus littoralis</i>	<i>Leptocarpus littoralis</i>	no visible macroalgae due to sediment mobility	total current dominated; may be a Protected wave exposure but shows an assemblage of indicator species from higher wave exposures. Assemblage observed is "accidental" for the wave energy of the site.
subtidal	<i>Nereocystis luetkeana</i> <i>Nereocystis luetkeana</i> <i>Agardh</i> <i>Strongylocentrotus</i> <i>Strongylocentrotus</i> <i>Strongylocentrotus</i>	<i>Nereocystis luetkeana</i> <i>Nereocystis luetkeana</i> <i>Agardh</i> <i>Strongylocentrotus</i> <i>Strongylocentrotus</i> <i>Strongylocentrotus</i>	<i>Nereocystis luetkeana</i> <i>Nereocystis luetkeana</i> <i>Agardh</i> <i>Strongylocentrotus</i> <i>Strongylocentrotus</i> <i>Strongylocentrotus</i>	<i>Nereocystis luetkeana</i> <i>Nereocystis luetkeana</i> <i>Agardh</i> <i>Strongylocentrotus</i> <i>Strongylocentrotus</i> <i>Strongylocentrotus</i>	<i>Nereocystis luetkeana</i> <i>Nereocystis luetkeana</i> <i>Agardh</i> <i>Strongylocentrotus</i> <i>Strongylocentrotus</i> <i>Strongylocentrotus</i>	<i>Nereocystis luetkeana</i> <i>Nereocystis luetkeana</i> <i>Agardh</i> <i>Strongylocentrotus</i> <i>Strongylocentrotus</i> <i>Strongylocentrotus</i>	<i>Nereocystis luetkeana</i> <i>Nereocystis luetkeana</i> <i>Agardh</i> <i>Strongylocentrotus</i> <i>Strongylocentrotus</i> <i>Strongylocentrotus</i>	<i>Nereocystis luetkeana</i> <i>Nereocystis luetkeana</i> <i>Agardh</i> <i>Strongylocentrotus</i> <i>Strongylocentrotus</i> <i>Strongylocentrotus</i>	no visible macroalgae due to sediment mobility	total current dominated; may be a Protected wave exposure but shows an assemblage of indicator species from higher wave exposures. Assemblage observed is "accidental" for the wave energy of the site.

