

SUBSTRATE STABILITY	IMMOBILE SUBSTRATES				MOBILE OR PARTIALLY MOBILE SUBSTRATES				CURRENT- DOMI- NATED	TIDAL IAGOON
MAJOR	BEDROCK	BEDROCK/BOULDER	BEDROCK/GRAVEL	BEDROCK/GRAVEL	SAND & GRAVEL	SAND & GRAVEL	SAND/MUD	SEDIMENT	BEDROCK OR SEDIMENT	BEDROCK OR SEDIMENT
SUBSTRATE COASTAL	BEDROCK	BEDROCK/BOULDER	BEDROCK/GRAVEL	BEDROCK/GRAVEL	24 - 30, 32	24 - 30, 32	24 - 30, 31	SEDIMENT	SEDIMENT	SEDIMENT
CLASSES	1-20	1-23, 32, 33	1-23, 33	1-23, 33	no SAL band	no SAL band	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	Verrucaria Enteromorpha Balanus glandula	Verrucaria Enteromorpha Balanus glandula	Verrucaria Enteromorpha Balanus glandula	Verrucaria Enteromorpha Balanus glandula	grasses & rushes Salicornia virginica Balanus glandula			Balanus glandula
	Dellistere e chun entre	Fucus distichus	Fucus distichus	Fucus distichus	Fucus distichus	Fucus distichus	Fucus distichus	no visible macrobiota	tidal current	Fucus distichus
middle	Pollicipes polymerus Mytilus californianus Semibalanus carriosus	Mytilus californianus Semibalanus carriosus	Mytilus trossulus* Semibalanus carriosus	Mytilus trossulus *	Semibalanus carriosus		Mytilus trossulus*	due to be a P sediment wave mobility but sh	dominated; may be a Protected wave exposure but shows an	ponded water in
mid/low			Ulva/ Ulvaria spp.	Ulva/ Ulvaria spp.	Ulva/ Ulvaria spp.	Ulva/ Ulvaria spp.	Ulva/ Ulvaria		assemblage of indicator species	lagoon creates narrow intertidal
	Alaria 'nana' morph	Hedophyllum sessile Phyllospadix scouleri							and a reduced biota in brackish water, may have associated current dominated at outflow	
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.		
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. <b>Zostera marina</b>	Zostera marina			