

MAJOR SUBSTRATE	BEDROCK/BOULDER	BEDROCK/BOUI	
COASTAL CLASSES	1-20	1-23, 32, 3	
EXPOSURE (EXP_BIO)	SE	SP	
HABITAT OBSERVED (HAB_OBS)	3 *	4	
upper	Verrucaria	Verrucaria	
	Balanus glandula Fucus distichus	Balanus glandula Fucus distichus	
middle	Semibalanus carriosus	Semibalanus carrio Mytilus trossulus Ulva/ Ulvaria spp.	
mid/low	Anthopleura elegantissima Gelidi um/Gastrocloni um/ Leathesia/ Prionitis/ other bleached reds	Anthopleura elegantus Gelidium/Gastrocle Leathesia/ Prioniti other bleached reds Crassostrea gigas Pisaster ochraceou	
lower	bleached coralline reds	bleached coralline i Agarum sp. Laminaria sacchar	
	Alaria spp. Sargassum muticum Lithothamnion	Sargassum muticum Microcladia/ Iridea mixed filamentous foliose reds	
subtidal	Nereocystis luetkeana Strongylocentrotus franciscanus	Nereocystis luetkea Strongylocentrotus franciscanus Zostera marina	

DER	BEDROCK/BOULDER	SAND & GRAVEL	SAND & GRAVEL	SAND/MUD	SEDIMENT	BEDROCK OR SEDIMENT
	1-23, 33	24, 25, 26, 32	24, 25, 26, 32	27, 28, 29, 30, 31	24 - 30	
	P, VP	SP	P, VP	SP, P, VP	SE, E	VP, P, SP
	5	6	7	8	9	10
	Verrucaria			marsh grasses & rushes		
				Salicomia virginica		tidal current dominated;
	Balanus glandula	Balanus glandula	Balanus glandula	Balanus giandula		may be a Protected wave
	Fucus distichus	Fucus distichus	Fucus distichus	Fucus distichus		exposure but shows an assemblage of indicator species from higher wave
us		Semibalanus carriosus			-	
	Mytilus trossulus	Mytilus trossulus	Mytilus trossulus	Mytilus trossulus	no visible macrobiota due to sediment	exposures.
	Ulva/ Ulvaria spp.	Ulva/ Ulvaria spp.	Ulva/ Ulvaria spp.	Ulva/ Ulvaria spp.		
ma					mobility	
1 ium / /		Gelidium/Gastroclonium/ Leathesia/ Prionitis/ other bleached reds				
	Crassostrea gigas	Crassostrea gigas	Crassostrea gigas		1	
		Pisaster ochraceous				
ds						
		Agarum sp.			-	
а	Laminaria saccharina	Laminaria saccharina	Laminaria saccharina			
	Sargassum muticum **	Sargassum muticum	Sargassum muticum **			
type		Microcladia/ Irideae type mixed filamentous and	8		1	
nd		foliose reds				
		3.7]	
a		Nereocystis luetkeana			4	
		Strongylocentrotus franciscanus				
	Zo stera marina	Zostera marina	Zostera marina	Zostera marina	4	