

Fitzgerald Marine Reserve Datasheet

Permanent Plot - Random Quadrat

Date: _____

School/Leader: _____

Names: _____

Datasheet Label: _____

1. Circle location of permanent plot: **HIGH ZONE** **MID ZONE**
2. Choose a pair of random numbers from the random number tables.
3. Use numbers to locate random point inside the permanent area. Center quadrat over point.

4. Record random numbers →

	Quadrat 1	Quadrat 2
Random # 1:		
Random # 2:		

4. Record the # of individuals within the large quadrat	# individuals	# individuals
Feather boa kelp (holdfast) - <i>Egregia menziesii</i>		
Sunburst anemone (>5cm) - <i>Anthopleura sola</i>		
Giant green anemone - <i>Anthopleura xanthogrammica</i>		
Unidentified large, solitary anemone - closed and covered with sand		
Chitons - <i>Mopalia</i> spp./ <i>Nuttallina californica</i> / <i>Lepidochitona</i> spp./others		
Whelks - <i>Acanthinucella</i> spp./ <i>Nucella</i> spp.		
Turban snails - <i>Tegula brunnea/funebris</i>		
Hermit crabs - <i>Pagurus</i> spp.		
Purple sea urchin - <i>Strongylocentrotus purpuratus</i>		

5. Record the # small squares where individuals are present	# squares	# squares
Green pin-cushion alga - <i>Cladophora columbiana</i>		
Dead man's fingers - <i>Codium fragile</i>		
Sea lettuces - <i>Ulva</i> spp.		
Surfgrasses (attached in square) - <i>Phyllospadix scouleri/torreyi</i>		
Flattened rockweeds - <i>Fucus gardneri/Hesperophycus californicus</i>		
Slender rockweeds - <i>Pelvetiopsis limitata/Silvetia compressa</i>		
Tar spot algae - <i>Mastocarpus</i> spp./ <i>Ralfsia</i> spp. and others		
Encrusting coralline algae (on rocks) - many species		
Upright coralline algae - <i>Bossiella</i> spp./ <i>Calliarthron</i> spp./ <i>Corallina</i> spp.		
Scouring-pad alga - <i>Endocladia muricata</i>		
Stunted turkish towel - <i>Mastocarpus</i> spp./ <i>Mazzaella affinis</i>		
Lawn alga - <i>Chondracanthus canaliculatus</i>		
Nori - <i>Porphyra</i> spp.		
Sea sacks - <i>Halosaccion glandiforme</i>		
Iridescent algae - <i>Mazzaella flaccida/splendens</i>		
Aggregating anemone (<5 cm) - <i>Anthopleura elegantissima</i>		
Honeycomb tube worm - <i>Phragmatopoma californica</i>		
Limpets - <i>Lottia</i> spp.(0.5 - 2.5 cm)		
Sea mussel - <i>Mytilus californianus</i>		
Leaf barnacle - <i>Pollicipes polymerus</i>		
Common acorn barnacles - <i>Balanus/Chthamalus</i> spp.		
Pink acorn barnacle - <i>Tetraclita rubescens</i>		
Bare rock		
Loose sand		