

Opal Cliffs Data Sheet

Permanent Plot - Random Quadrat

Date: _____ School/Organization: _____

Names: _____

1. Choose a pair of random numbers from the random number tables.
2. Use numbers to locate random point inside the permanent area. Center quadrat over point

3. Record random numbers \longrightarrow

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

4. Record the # of individuals within the large quadrat

	# individuals	# individuals
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Feather boa kelp (holdfast) - <i>Egregia menziesii</i>		
Sunburst anemone (>5cm) - <i>Anthopleura sola</i>		
Turban snails - <i>Chlorostoma brunnea/funebralis</i>		
Hermit crabs - <i>Pagurus</i> spp.		
Broken back shrimps - <i>Heptacarpus</i> spp.		
Purple sea urchin - <i>Strongylocentrotus purpuratus</i>		

5. Record the # small squares where individuals are present

	# squares	# squares
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Sea lettuces - <i>Ulva</i> spp.		
Surfgrasses (attached in square) - <i>Phyllospadix scouleri/torreyi</i>		
Tar spot algae - <i>Mastocarpus</i> spp./ <i>Ralfsia</i> spp./others		
Encrusting coralline algae (on rocks) - many species		
Upright coralline algae - <i>Bossiella</i> spp./ <i>Calliarthron</i> spp./ <i>Corallina</i> spp.		
Stunted turkish towel - <i>Mastocarpus</i> spp./ <i>Mazzaella affinis</i>		
Lawn alga - <i>Chondracanthus canaliculatus</i>		
Nori - <i>Porphyra</i> spp.		
Frilly red Alga - <i>Cryptoleura</i> spp.		
Vermicelli alga - <i>Gracilariopsis lemaneiformis</i>		
Iridescent algae - <i>Mazzaella flaccida/splendens</i>		
Christmas card Algae - <i>Microcladia</i> spp./ <i>Plocamium</i> spp.		
Yellow introduced sponge - <i>Hymeniacidon</i> spp.		
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)		
Bare rock		
Loose sand		