



A Study of Rocky Shore Ecosystem

Group 5

A comparison of animal data (by quadrat survey) from the 3 sites

Rock pool has highest no. of animal species

- Possible reasons :
- Big and heavy rock
- Constant environment
- Temperature and humidity

Splash-zone has lowest no. of animal 0

- Possible reasons :
- No water
- Have rubbish

• Common species in the 3 sites sites: Top shell

• Species only found near sea water: Sea anemone and dark-fingered crab

• Species only found in rock pool: red coloured crab and sea slater

• Species only found in splash zone/rock pool water: none

Relative density of top shell in quadrat 1: 28.3%

Relative density of top shell in quadrat 2: 60.6%

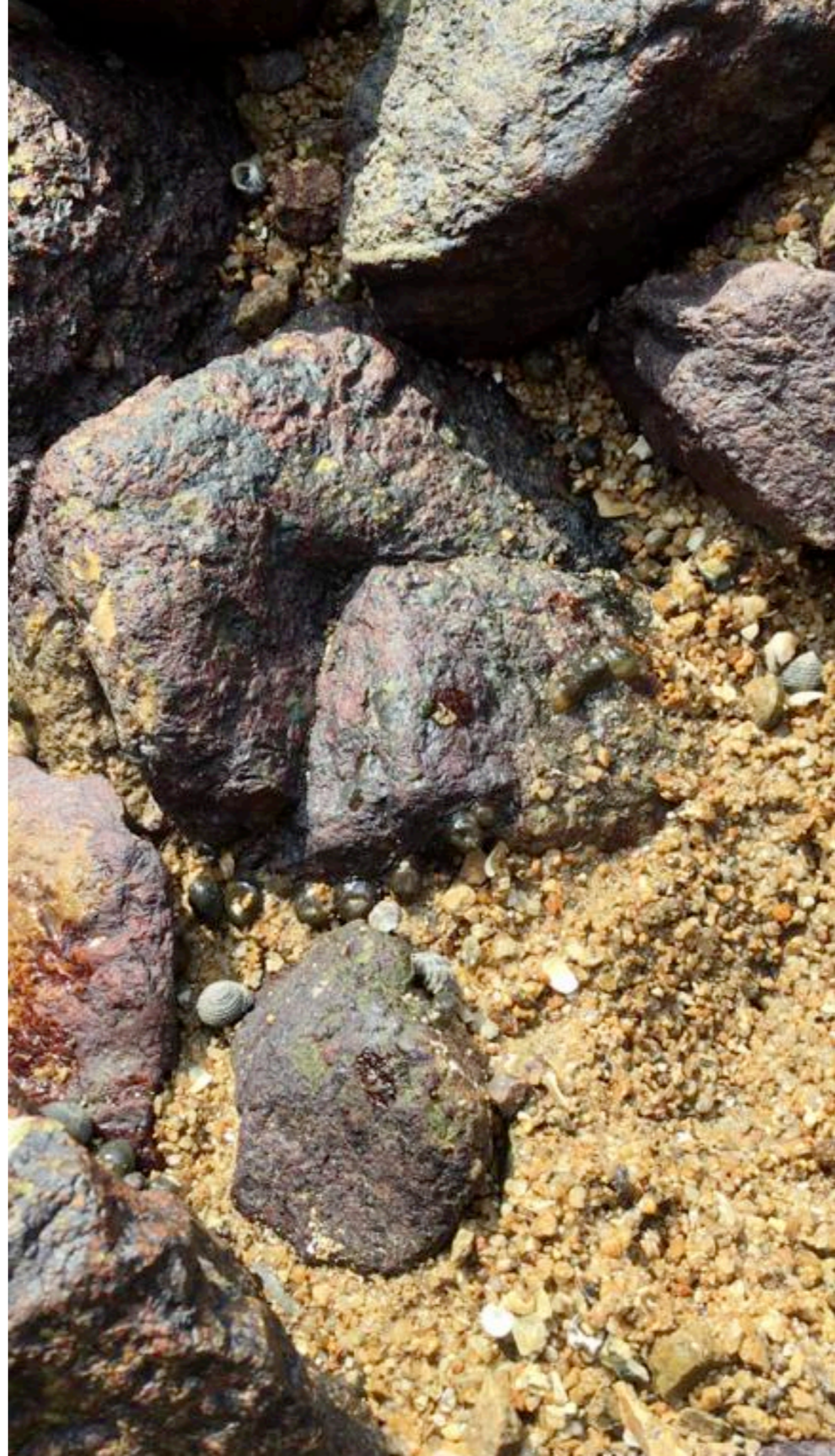
Region	Near Sea water	Rock pool	Splash-zone
Hermit crab	1	6	0
Bumpy Drill	1	1	0
Sea slater	0	2	0
Top shell	15	20	0
Sea anemone	17	0	0
Turban shell	14	0	0
Ribbed clusterwink	0	0	0
Periwinkles	0	1	0
Dark-fingered crab	5	0	0
Red coloured crab	0	3	0
Total no. of species	6	6	0
Total no. of individuals	53	33	0

	Near sea water	rock pool water	Splash-zone
Air temperature	27.6	29.8	27.8
Relative humidity(%)	51%	41%	50%
Light intensity (lux)	35400	16650	22300
Wind speed (m/s)	0.5	2.9	0.4

	Sea water	rock pool water
Dissolved oxygen mg/l	8.59	11.56
pH	6.91	7.7
Total Dissolved Solid ppm	3	3
Total Suspended Solid mg/l	35	36

Quadrat I







Quadrat 2



Turban shell

Herbivorous

Adaptation features :

- Operculum semi-globular



Bumpy Drill

Carnivorous



Dark-fingered crab





Active Searching





Stalked barnacles



Limpet



Thank you 🙏