

Student Worksheet: Comparing quadrats

Summary

This student worksheet is associated with Hillarys school excursion: Reef transect and Teacher Guide: Reef transect

Intertidal investigation

Comparing quadrats

Compare your quadrat sample closest to the high tide mark with that closest to the seaward end of your transect. Was the diversity of organisms in your two opposite quadrats significantly different? Why or why not?

What did you notice about the invertebrate species found at in the upper intertidal zone in comparison to those in the lower intertidal zone of the platform? Give an example of a how a species from both zones has adapted to the different conditions.

Where (if at all) along your transect did you first notice algal or seagrass species? Did the species change along your transect? Why/why not?

Find a group who sampled the opposite side of the reef platform to your group. Was the composition of the areas you sampled similar or different? Is this change (if there was one) attributed to difference in position on the platform (i.e. on opposite sides), or more due to the depth along the platform?

Related resources

[Teacher Guide: Reef Transect](#)

[Hillarys School Excursion: Reef Transect](#)

[Student Worksheet: Reef transect - species record sheet](#)

[Student Worksheet: Species composition](#)