Reef Transect

Phase of learning

Senior Secondary (Years 11-12)

WA Curriculum

SS Biology – ATAR, SS Biology – General, SS Integrated Science – ATAR, SS Integrated Science – General, SS Marine and Maritime Studies – ATAR, SS Marine and Maritime Studies – General

Region

West Coast

Learning Summary

This collection of resources is for those who have booked an excursion with our Hillarys facility to complete a reef transect activity, or for those who would like to conduct a reef transect themselves.

The resources provided have been developed for conducting a study on a limestone reef platform, however could be adapted to use in any shallow intertidal zone.

Outcomes

- Students will identify organisms inhabiting a limestone reef platform.
- Students will be able to describe adaptations of intertidal organisms.
- Students will conduct a transect along a limestone reef platform.
- Students will be able to describe the change in species and composition from the upper intertidal zone to the lower intertidal zone.

Booking your excursion:

- Hillarys school excursion: Reef transect
- Book an excursion
- Teacher Resource Sheet: Excursion management plan Hillarys

Pre-excursion:

- Teacher Guide: Reef transect
- Teacher Resource Sheet: <u>Preparing for your reef transect</u>
- Fact Sheet: Intertidal rocky shores

- Presentation: The intertidal zone a reef platform
- Video: The fascinating history behind Mettams Pool
- Department of Transport: <u>Tide predictions</u>

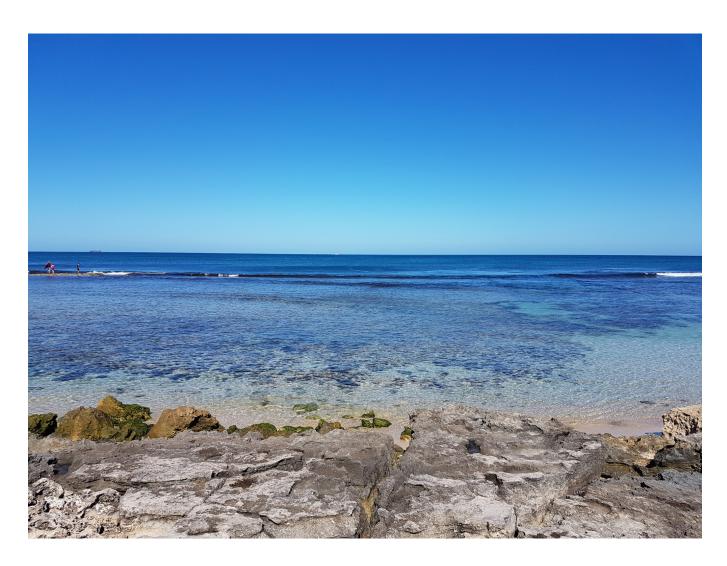
Conducting a reef transect

(Note: if you are attending this excursion with our Hillarys facility, all resources required, excluding pre- and post- excursion resources will be provided).

- Hillarys school excursion: Reef transect
- Student Worksheet: Features along the reef platform
- Student Worksheet: <u>Species composition</u> (this worksheet is suitable for any location and intertidal habitat)
- Student Worksheet: <u>Reef transect species record sheet</u> (this worksheet is specific to the West coast bioregion of Western Australia)

Post-excursion:

- Student worksheet: Comparing quadrats
- Teacher resource sheet: Comparing quadrats



Related resources

Hillarys School Excursion: Reef Transect

Keywords

reef transect, fieldwork, field study, intertidal zone, reef platform, limestone reef,