

## Seagrass transect

### Level

Can be tailored to suit students at upper primary, years 7-10 or 11-12  
Assessment tasks can be provided if required

### Location

Hydeaway Bay  
*Tide dependant*

### Excursion Synopsis

Students use scientific sampling methods to study a seagrass meadow, applying methods used by scientists and the community seagrass monitoring program 'Seagrass Watch'.

The data collected is used to examine the diversity of the seagrass community along a gradient in environmental conditions from inshore to offshore.

### For Senior Biology Teachers

This activity can be tailored to meet the criteria set out in the QSA curriculum learning experiences:

#### Organisms and Ecosystems

'collect and interpret abiotic and biotic data of one or more ecosystems'

#### Evolution and Diversity

'Visiting a natural environment to observe species diversity'

#### Theory into practice

'Techniques for identifying organisms e.g. keys and field guides'

'Sampling techniques e.g. quadrats and transects'

'Methods to measure environmental data'

It provides 3 hours of field work in a natural ecosystem.

This activity can be assessed through a scientific report based on the group data set.