Rocky Shore Instructions

At the rocky shore you need annotate the following information onto the supplied grid (next page):

* Location of all water pools,
* Location of algae patches,
* Location of barnacle groups, and
* Using symbols and a key:
  + Periwinkles,
  + Limpets, and
  + Other organisms of interest.

You will need to do and record population counts for:

* Periwinkles,
* Limpets, and
* Other organisms of interest.

For each of the rock pools the following abiotic data needs to be recorded:

* Water temperature,
* Salinity,
* Dissolved oxygen (DO), and
* Other observations.

Rocky Shore Grid

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| **20** |  |  |  |  |  |  |  |  |  |  |
| **19** |  |  |  |  |  |  |  |  |  |  |
| **18** |  |  |  |  |  |  |  |  |  |  |
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| **2** |  |  |  |  |  |  |  |  |  |  |
| **1** |  |  |  |  |  |  |  |  |  |  |
|  | **A** | **B** | **C** | **D** | **E** | **F** | **G** | **H** | **I** | **J** |

Organism Count Table

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| Organism | Grid Location | Count | Symbol |
| *Example:*  *Periwinkle* | *C9* | *30* | *+* |
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Abiotic Factor Table

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| --- | --- | --- | --- | --- |
| Grid Location | Water Temperature  (°C) | Salinity | Dissolved Oxygen | Other information |
| *Example:*  *A8 – C8 (pool 1)* | *19* |  |  |  |
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Sand Dunes Instructions

At the sand dunes you will be running a belt transect, as well as collecting change in elevation data to create a profile.

For elevation:

* Keep your transect line straight,
* Record the correct data in the correct column, and
* Take note of any changes that might not show in the data.

For the belt transect:

* Using a quadrat count the flora per section,
* The result will need to be multiplied by four as the quadrat is only 250 cm2.
* Make sure that the quadrat count is happening in the same part of the section each time.

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| *Example:*  *This section* |  |
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| *Example:*  *This section* |  |
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| *Example:*  *This section* |  |
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Sand Dune Elevation and Abiotic Data

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | | Elevation | | | | Temperature (˚C) |
| Site No. | Distance from start (m) | Seaward reading  (cm) | Landward reading (cm) | Change in elevation  (cm) | Overall  Elevation | Substrate |
| 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
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Elevation Data Continued …

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|  | | Elevation | | | | Temperature (˚C) | |
| Site No. | Distance from start (m) | Seaward reading  (cm) | Landward reading (cm) | Change in elevation  (cm) | Overall  Elevation | Substrate |
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Sand Dune Biotic features

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| Site No. | Dominant Flora | Symbol | | Dominant Flora Count | Density (m2) | Dominant Flora Average Height  (m) |
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Biotic Features continued …

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| Site No. | Dominant Flora | Symbol | | Dominant Flora Count | Density (m2) | Dominant Flora Average Height  (m) |
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