**Zostera nigricaulis seed germination experiment data read me**

**Temp\_Sal\_Germination**

Results from an experiment testing Z. nigricaulis seed germination at salinities of 25, 30, 35 PPT, temperatures of 13, 17, 22 degrees C and low salinity (20PPT) pulse.

* + Pulse: 1 = Low salinity (20 PPT for 24 hrs) pulse, 0 = no pulse
  + Temp: Temperature treatment
  + Sal: Salinity treatment
  + Day 1 - 107: Total seeds germinated in that replicate on that given day since the beginning of the experiment

**Sediment\_Germination**

Results for an experiment testing Z. nigricaulis seed germination buried at sediment depths of 0, 1 and 2 cm and in sediment from different sites that have different properties (Blairgowrie, Avalon, Williamstown).

* Sediment Type: sediment treatment
* Depth: seed burial depth
* Day\_7-Day\_48: Total seeds germinated in that replicate on that given day since the beginning of the experiment

**Seed\_Viability**

Total number of viable seeds at the completion for the temperature and salinity experiment.

* + Pulse: Pulse = Low salinity (20 PPT for 24 hrs) pulse, NP = no pulse
  + Temp: Temperature treatment
  + Sal: Salinity treatment
  + No. viable: Number of viable seeds within replicate at the completion of the experiment
  + Total Non Viable: Total non viable seeds at the end of the experiment
  + % Non Viable: Percentage of non viable seeds at the end of the experiment.

**Organic Matter**

Percent organic matter content from 3 sediment cores taken at each of the 3 sites (Blairgowrie, Avalon, Williamstown) used in the sediment germination experiment.

**Grain\_Size**

Percentage components of different sediment grain sizes from 3 replicate cores collected at each of the sites used in the sediment germination experiment.

* + Site: Collection site
  + < 2mm, 2-1mm, 1mm - 500µm, 500-250µm, 250-125µm, 125-62.5µm, > 62.5µm; Percentage of sediment sample comprised of each grain size.