



Seagrass Restoration

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What is Seagrass?

Zostera muelleri

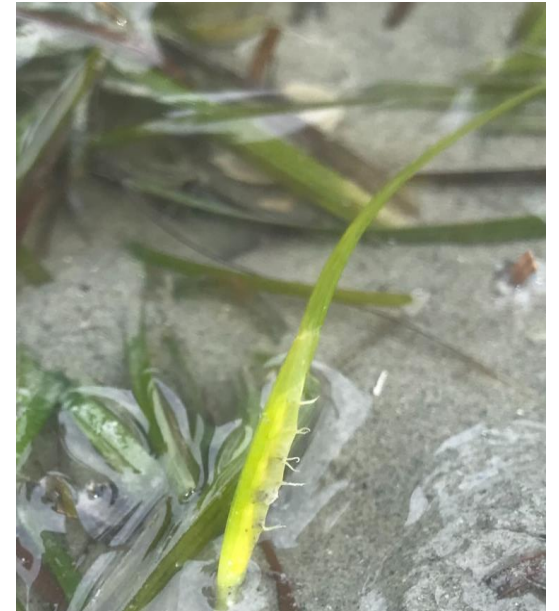
Meadows



Rhizomes



Cryptic flowers



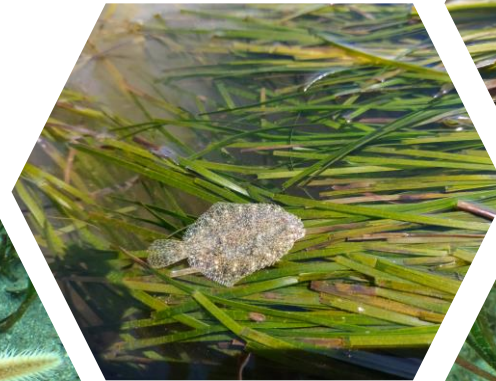
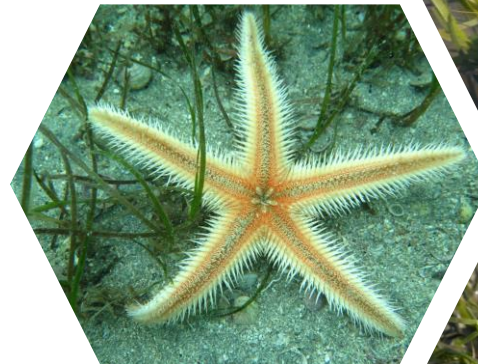
Cawthron



Importance of Seagrass

Key Functions:

- Increase biodiversity
- Improve water quality
- Stabilise sediment
- Sequester carbon



Bruce Green, Dana Clark, Breanna Hindmarsh and Rachel Hooks



Dan Crossett



Decline in Seagrass

Drivers include:

- Disruption to the seabed including vehicles and boats
- Sediment run off
- Climate change

What we are doing



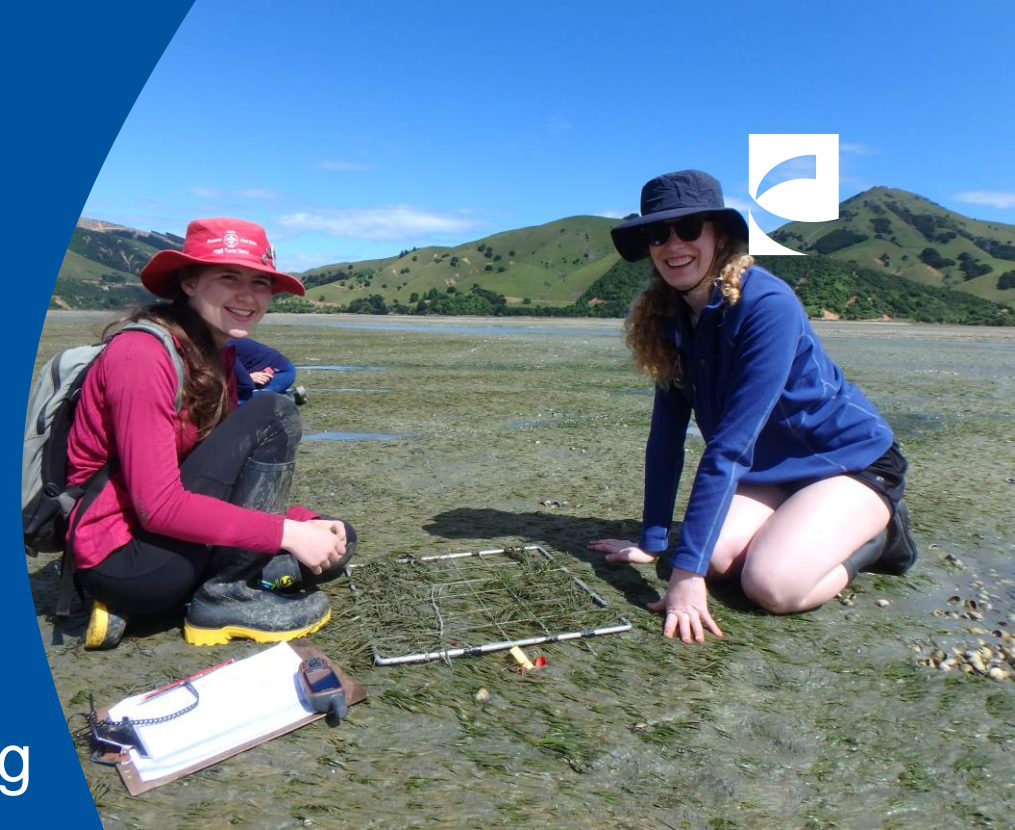
Flower Surveys



Flower Collection and Seed Processing



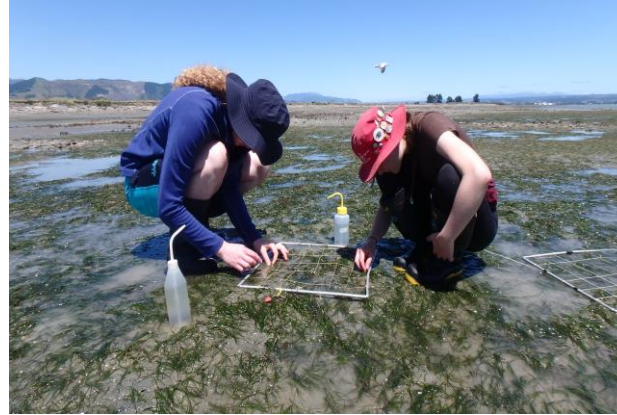
Transplant Trials – Not Discussed today





Flower Surveys

- Three estuaries across three tidal heights
- Determine flowering timing and patterns
- Prioritising future collection dates and locations
- Correlation between environmental conditions and flower presence?



Dana Clark, Lucie Bizzozero and Cawthron



Flower Collections

- Seed based restoration starts with collecting flowers
- 3215 flowers have been collected over 7 outings



Bruce Green

Seed Processing

- Seed extraction
- Seed sterilisation
- Seed storage
- Seed germination





Thank you to all our sponsors and supervisors

