



Clear As Mud



PG Dip Sci: Ming Williams

Supervisors: Miles Lamare, Daphne Lee, & Jeffrey Robinson

- ▶ New Zealand has more than 15% of the worlds living Brachiopod species
- ▶ Brachiopods are suspension feeders which makes them good indicators of water quality and the health of our harbours
- ▶ This project will investigate the ecology and environmental tolerances of *Calloria inconspicua* in Otago Harbour; specifically to sedimentation, temperature, and sub-aerial exposure
- ▶ The tolerance of *C. inconspicua* to environmentally relevant levels of sediment in the water can be tested in field and in laboratory treatments
- ▶ *C. inconspicua* are particularly interesting as they are one of the few intertidal brachiopods that can survive out of water every time the tide goes out



Right. Photo of *Calloria inconspicua* aggregation with animals ranging in size from 2mm to 10 mm shell width. Above. Intertidal habitat, Pudding island, Otago Harbour.

