

# CWSF 2012 - Charlottetown, Prince Edward Island



## Shelby Brubacher

### Join the Resistance

**Challenge:** Environment

**Category:** Junior

**Region:** South Fraser

**City:** DELTA, BC

**School:** Neilson Grove Elementary

**Abstract:** This project tests the impacts of salt water on vegetation found in and around Green Slough estuary in Delta, British Columbia. The experiment shows that plants can be greatly affected by increases in salt water concentrations. This is important to Delta as climate change causes the ocean levels to rise and salt water intrusion to increase.

### Biography

I was interested in this project because I go to school next to an estuary called Green Slough and I wanted to see what would happen to the plants that grow around Green Slough if salt water intrusion happened. Salt water intrusion will be more likely to come upon Delta because of the climate change which is feeding more salt to the Fraser river. For future investigations of this experiment I would test different types of plants and use water from the ocean, Fraser, and multiple estuaries. Some advice I would give to other students thinking about doing an experiment would be to choose an experiment that captures your interest and to always make sure your measurements are exact.