

## CWSF 2015 - Fredericton, New Brunswick



### **Saving the Planet One Wetland at a Time**

**Challenge:** Environment

**Category:** Junior

**Region:**

**City:** ,

**School:**

**Abstract:** This project examined the impact of wetland filtration using brine shrimp as an indicator species. Sixty-four experiments were meticulously conducted to quantitatively examine the efficiency and effectiveness of a wetland model at filtering out the following pollutants: oil, vinegar, fertilizer and detergent. Mortality rate, pH, filtering times, and volume were all measured. Wetland filtration dramatically improved the survival rate of brine shrimp.