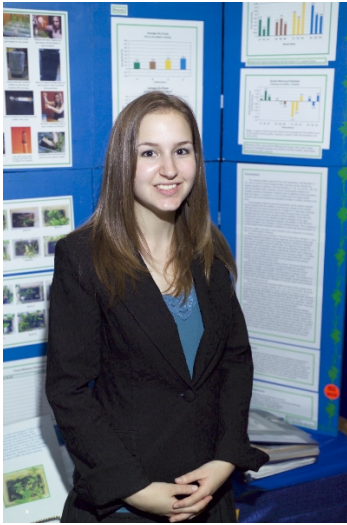


## CWSF 2006 - Saguenay, Québec



### **Madeleine Martin**

#### **Managing Greenhouse Gas Exchange in a Constructed Wetland Model: Part 2**

**Division:** Engineering & Computing Sciences

**Category:** Senior

**Region:** Bay Area

**City:** Hamilton, ON

**School:** Bishop Ryan Catholic S.S.

**Abstract:** A constructed wetland is a marsh built to filter water contaminants. Some wetlands are designed to filter nitrates. Unfortunately, the input of nitrates into a wetland environment results in the release of nitrous oxide. The purpose of this experiment was to construct a greenhouse gas efficient, nitrate-filtering constructed wetland model.