

# CWSF 2006 - Saguenay, Québec



## Arielle Garrett

### A Sphagnum Solution for Safe Water

**Division:** Engineering & Computing Sciences

**Category:** Intermediate

**Region:** Vancouver Island

**City:** Saanichton, BC

**School:** Stelly's Secondary School

**Abstract:** I attempted to apply Sphagnum moss as a reusable heavy metal filter, and I was successful. Not only is it very effective at removing most poisonous metals, its reusability, done simply by placing it in an acidic solution, makes it ideal for poor effected families.

Awards	Value
The University of Western Ontario Scholarship Gold Medallist - \$2000 Entrance Scholarship Sponsor: University of Western Ontario	\$2 000
Gold Medal - Earth & Environmental Sciences - Intermediate Sponsor: Petro-Canada	\$1 500
Total	\$3 500