

# CWSF 2014 - Windsor, Ontario



## Elizabeth Schulz

### Reducing Populations of *Lymnae stagnalis* Part II

**Challenge:** Environment

**Category:** Intermediate

**Region:** Central Interior British Columbia

**City:** Fraser Lake, BC

**School:** Fraser Lake Elem-Secondary

**Abstract:** Swimmer's itch is a chronic problem at many recreational lakesides. This project focussed on a method called scrape and sweep that I created to be able to reduce the populations of pond snails (*Lymnae stagnalis*) which are the intermediate hosts of the swimmer's itch parasite. Modifications to the procedure and the tools used made the method successful in three different snail habitats.

#### Biography

I am a grade 9 student at Fraser Lake Elementary Secondary School and am honoured to be participating in my second CWSF. This year's project further investigates a method I created that has great potential in reducing the occurrences of swimmer's itch which is a problem at many recreational lakesides, including where I live. This year's project was well received at both my district and regional fairs earning a gold medal and several special awards. Doing well at school and being involved through Student Leadership is important to me. I am excited to be part of a new group called Student-Voice which connects students from different schools and the school board to make our school experience the best it can be. Recently I achieved my Gr. 6 RCM in piano and am happy to be teaching three young students. Other activities I enjoy include church Youth Group and recreational activities like curling each winter, water sports especially kayaking in the summer and camping. My advice for students considering a science fair project is to definitely take advantage of this great opportunity, give yourself lots of time, research and talk to people. I plan to pursue a career in science.

#### Awards

#### Value

Excellence Award - Intermediate - Bronze Medal Sponsor: Nuclear Waste Management Organization	\$100
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
Total	\$1 100