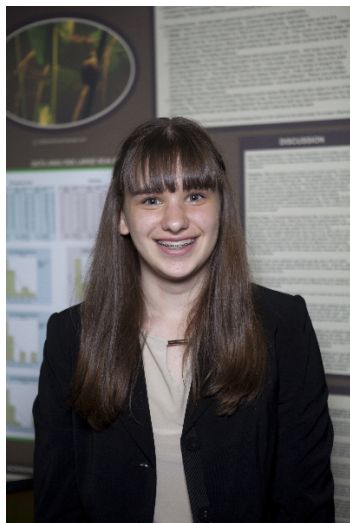


CWSF 2013 - Lethbridge, Alberta



Elizabeth Schulz

Reducing Populations of *Lymnae stagnalis*

Challenge: Environment

Category: Junior

Region: Central Interior British Columbia

City: Fraser Lake, BC

School: Fraser Lake Elem-Secondary

Abstract: *Lymnae stagnalis*, more commonly known as the giant pond snail is the intermediate host for the parasite that causes Swimmer's Itch. This project looked at various methods (chemical, mechanical, bait systems, sensory/repulsion methods) to effectively, responsibly and systematically reduce populations of *lymnae stagnalis* so that Swimmer's Itch is less likely to occur at recreational lakesides.

Biography

I am Elizabeth Schulz and I am in grade eight. I maintain 4.0 honours and last year, I achieved Scholar of the Year. I have participated in Science Fairs since Grade 4. I have earned four gold medals and one silver and numerous awards. This year, my project won Best in Show, the UNBC Mathematics and Statistics Award and the Community Enhancement Award at the CISE. I'm thrilled to be attending CWSF for the first time. I live in a small community that surrounds a lake and I enjoy water sports. The results of this year's project have inspired me to continue this investigation so that swimmer's itch will be less likely to occur at recreational lakesides. In school, I am part of Student Leadership and each winter I join the curling club. I also am an active member of a Youth Group and organize fundraising events to help children in developing countries. I play piano and am in Gr. 6 of the RCM Program and have two students of my own. My advice for students considering a science fair project is to give yourself lots of time, research and talk to people. I hope to become a Secondary Teacher.

Awards

Value

Challenge Award - Environment - Junior Sponsor: Encana Corporation	\$500
Excellence Award - Junior - Silver Medal Sponsor: Youth Science Canada	\$300
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
Total	\$2 800