

CWSF 2010 - Peterborough, Ontario



Megan Schlorff

Unearthing the Elements of Truth

Division: Health Sciences

Category: Senior

Region: Bluewater

City: Hanover, ON

School: Sacred Heart H.S.

Abstract: The results of this project demonstrated that there is radionuclide contamination occurring in Walkerton, Ontario. Water testing revealed gross alpha concentrations exceeding Health Canada's screening level. Levels of U-238 were detected in eight hair samples. The concentration of uranium exceeded 0.060µg/g which is greater than the concentration found in 95% of the general population. Radon gas testing found four homes that exceeded the Canadian guideline.

Biography

My name is Megan Schlorff. I am seventeen years old and I have lived in Hanover, Ontario all my life. I attend grade eleven at Sacred Heart High School in Ontario where I am an honours student. I am a member of the school band where I play the clarinet, a member of the Environmental Committee on the Student Advisory Council, and a member of the school's senior Reach for the Top team. Outside of school I enjoy step dancing and playing the piano. I also enjoy spending time with family and friends and I love curling up with a good book. I really enjoy the scrapbooking and photography because they allow me to express myself creatively. I also enjoy cooking, exercising, yoga, and applying "green" habits to my lifestyle. I have always had a passion for science and this science fair project is the eighth one that I have completed. I have represented Canada at the European Union Contest for Young Scientists in Paris, France and at the International Sustainable World Project Olympiad in Houston, Texas where I won a silver medal. I am currently interested pursuing a career in medicine focusing on holistic health.

Awards

Value

The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa	\$1 000
Bronze Medal - Earth & Environmental Sciences - Senior Sponsor: Suncor Energy Inc.	\$300
Total	\$2 300