

CWSF 2010 - Peterborough, Ontario



Lainey Lazurko

Follow the Flow

Division: Health Sciences

Category: Senior

Region: Northern Saskatchewan

City: La Ronge, SK

School: Churchill Composite H.S.

Abstract: The purpose of this study is to determine the source of dissolved ions and to trace their flow in groundwater in the Deep River, Ontario area. Groundwater samples were taken from piezometers installed in glacial sediments. The use of a spectrophotometer and the chemical analysis of the groundwater led to the discovery of the preferred living environment of iron oxidizing bacteria.

Biography

My name is Madelaine Lazurko. I live in La Ronge, Saskatchewan. My birthday is in December 1992. I am currently a grade twelve French Immersion student. I participate in the school choir, the yearbook club, the Student Representative Council and the drama club. I am a senior member of the La Ronge figure skating club and a program assistant for the Can Skate and Young Blades program. I play the orchestral piano and have qualified for the provincial music festival for the past seven years. I am a distinction student with the Academy of Music and have retained my distinction status for six years. I am an active parish council member and run the Youth Nights for my parish. In my spare time, I like to read, swim and spend time with my family and friends. The past few years I have been in the top three of the regional science fair and have won numerous scholarships. I have been twice to the Winner's Showcase science fair in Regina where I displayed my project. My goal is to graduate with a bilingual diploma and later take university classes working towards a Science degree.

Awards

Value

Dalhousie University Faculty of Science Entrance Scholarship Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: Dalhousie University, Faculty of Science	\$2 000
UBC Science (Vancouver) Entrance Award Senior Silver Medallist - \$2000 Entrance Scholarship Sponsor: The University of British Columbia (Vancouver)	\$2 000
University of Ottawa Entrance Scholarship Senior Silver Medallist - \$3000 Entrance Scholarship Sponsor: University of Ottawa	\$3 000
The University of Western Ontario Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: University of Western Ontario	\$2 000
Silver Medal - Earth & Environmental Sciences - Senior Sponsor: Suncor Energy Inc.	\$700
Total	\$9 700