

CWSF 2008 - Ottawa, Ontario



Haley Robinson

Sanitary Sunshine: Put to the Test

Division: Life Sciences / Environmental Innovation

Category: Senior

Region: Northern Saskatchewan

City: La Ronge, SK

School: Churchill Composite H.S.

Abstract: This project tests solar pasteurisation, the decontamination of water using solar energy. Pasteurisers were used to bring water to temperatures between 55°C and 70°C. Contaminated water was tested to find out how long temperatures must remain at 65°C, before water is decontaminated. After 30 minutes at 65°C water was significantly cleaner, but traces of bacteria remained.

Biography

This is my third Canada Wide Science Fair. I am a cross-country ski racer, and train year round. I also enjoy track and field and cross-country running. I play piano, and I am currently working on my grade 8 RCM. I also sing and perform musical theatre. I am very interested in international affairs, and I love to travel. Next year, I will be attending Queen's University in England, at the Canadian University International Study Centre.

Awards

Value

Canadian Stockholm Junior Water Prize Sponsor: Canadian WEF Member Associations, the Canadian Water and Wastewater Association, and Jacobs	\$2 000
Honourable Mention - Environmental Innovation - Senior Sponsor: EnviroExpo, Presented by VIA Rail Canada	\$100
Honourable Mention - Health Sciences - Senior Sponsor: Canadian Institutes of Health Research	\$100
Total	\$2 200