

CWSF 2013 - Lethbridge, Alberta



Aspen Lillywhite

Freshwater Flow Effects On Cleanup of Potential Oil Spills

Challenge: Environment

Category: Junior

Region: Chinook Country

City: Okotoks, AB

School: Red Deer Lake School

Abstract: The purpose of my study was to determine if human hair booms are effective in adsorbing oil from flowing freshwater and thereby reduce the risk of environmental devastation caused by potential oil spills into flowing bodies of freshwater. Statistically significant data was obtained confirming that human hair booms provide an effective means of recovering oil from flowing freshwater.

Biography

My name is Aspen Lillywhite. I was born, and reside in the Calgary area. I am in the eighth grade at Red Deer Lake School, Alberta and have achieved Honours with Distinction. My favourite subjects are Science and Mathematics. I am an active participant in the Building Hope Project, raising awareness and funds to create change in our world. We have successfully completed several projects in Ewaso Ng'iro, Kenya including the construction of a school. Outside of school my time is spent dancing taking formal classes in Ballet, Pointe, Jazz and Contemporary. I volunteer teaching younger students ballet and jazz. I most recently competed in YAGP International Ballet Competition 2013 and have been invited to attend the NYC Intensive. I perform with a pre-professional dance company, Corps Bara Youth Dance Company. Some of my performances include Project Dance ? Toronto and NYC, fundraising performances for local charities, and local community performances. Dance is a part of my future goals. Post-secondary plans are to become a Chemical Engineer. The inspiration of my project in part is attributed to living in Canada's oil-rich province and having a heightened interest in the oil industry and high regard for the environment we live in.

Awards

Value

Excellence Award - Junior - Silver Medal Sponsor: Youth Science Canada	\$300
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
Total	\$2 300