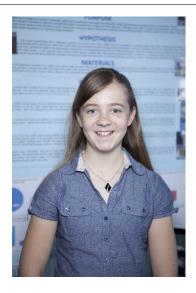




CWSF 2013 - Lethbridge, Alberta



Katherine Teeter

Storm Surge: The Catastrophic Wave Diminution System

Challenge: Innovation Category: Intermediate Region: Bluewater City: Markdale, ON

Youth Science Canada

PO Box 297

416-341-0040

School: Grey Highlands S.S.

Abstract: This project designed, constructed, and tested a telescopic, catastrophic

wave diminution system. This system reduced the wave heights by 87 % and was specifically engineered to withstand the most cataclysmic of wave events. Second wave destruction would be completely eliminated. Eleven percent of the world's population would benefit from this system. Electricity was produced by this diminution system using multiple turbines and water

wheel generators.

Biography

Hi, my name is Katherine Teeter. I am a grade nine student attending Grey Highlands Secondary School in Flesherton, Ontario. This is my third consecutive competition at CWSF and my fourth science fair project. Inspiration for this project originated from observing the devastation that was caused by hurricanes Katrina and Sandy and the Japanese tsunami of 2011. The need for a system that can protect coastal cities was evident. I like to learn new things and I strive to succeed at all endeavors. I play the clarinet in band, and I play piano in the RCM Examinations at a grade seven level. In my spare time I like to read, write, create home-made cards, and play outside with my dog. I help on the family farm as often as possible. I play girls hockey and co-ed fastball. I have attended Olympia Sports Camp for fastball where I won the team player award. Graduating from grade eight was a very successful experience as I received the science, instrumental music, french proficiency and les arts du language awards. Science fair has and will continue to change my life. Future endeavors may include medicine, lab technician or engineering.

Awards	Value
Excellence Award - Intermediate - Bronze Medal	\$100
Sponsor: Youth Science Canada	
Western University Scholarship	\$1 000
Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: Western University	
Total	\$1 100





