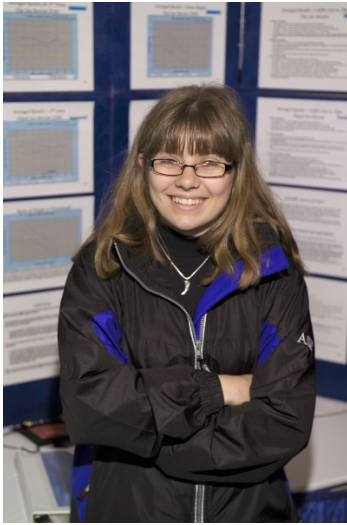


CWSF 2005 - Vancouver, British Columbia



Kienan Marion

Faults to Landslides: Making Waves

Division: Earth & Environmental Sciences

Category: Junior

Region: Calgary Youth

City: Calgary, AB

School: Queen Elizabeth Jr./Sr. High School

Abstract: Differently shaped tsunamigenic sources affect water wave behaviour. Wave tank simulations of landslides and submarine faults indicate that landslides create maximum wave heights when compared to submarine earthquakes of equal magnitude, but lose height faster. Fault line simulations generate higher second waves and the greatest rate of increase in wavelength.

Awards	Value
Honourable Mention - Earth & Environmental Science - Junior	\$100
Sponsor: Petro-Canada	
Total	\$100