

# CWSF 2015 - Fredericton, New Brunswick



## Clayton Harder

### Tidal Power Pump

**Challenge:** Energy

**Category:** Junior

**Region:** Northern Vancouver Island

**City:** Port McNeill, BC

**School:** North Island Secondary

**Abstract:** This innovation project involved the design and construction of a tidal power pump which used the energy created during the rise and fall of the tides to generate electricity. This could provide clean, renewable power to remote coastal communities.

### Biography

I live in a small remote community on the northern end of Vancouver Island where we are surrounded by forest and ocean. I love being able to see the wildlife of the West Coast. I come from a large family of 9 kids of which I am the youngest. I like fishing, sports, and meeting new people. I am a member of the Junior Canadian Rangers, I play soccer, and attend a local youth group. This is my second year attending the CWSF and last year I received a bronze medal.

### Awards

### Value

Excellence Award - Junior - Silver Medal Sponsor: Youth Science Canada	
Challenge Award - Energy - Junior Sponsor: Youth Science Canada	
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
<b>Total</b>	<b>\$2 000</b>