



## CWSF 2008 - Ottawa, Ontario



## **Simon Trivett**

## **Ocean Power**

**Division:** Health Sciences / Environmental Innovation

Category: Junior

Region: Prince Edward Island

City: Stratford, PE

**School:** Stonepark Intermediate School

Abstract: In this project I designed a seawater battery to test its feasibility as a

long-term alternate power source. I built two small cells using aluminum and copper, a large cell with copper and magnesium. I tested the effects of the water's salinity, temperature, and electrolysis at the surface. I discovered that water temperature affects performance marginally more than the

salinity and electrolysis has no effect

## **Biography**

I am 13 years old and attend grade eight at Stonepark Intermediate School in Charlottetown, PEI. I enjoy mountain biking and am a member of the Ridged Riders mountain bike team. Last fall I won the final season race called the "8 Hour Grunt." I also enjoy running and last fall I was a member of the Stonepark cross-country team. I came 4th place in the provincial meet and I will hope to compete in the upcoming Track and Field team for my school. I have been playing the double bass for 3 1/2 years now and I am currently a member of the Senior Singing Strings Orchestra. This summer I will be attending an international youth orchestra festival in Italy and touring other parts of Europe. I also enjoy doing anything outside and I love to kayak, sail, and swim. For a future career I would like to either be an engineer or architect.

Awards	Value
The University of Western Ontario Scholarship	\$1 000
Bronze Medallist - \$1000 Entrance Scholarship	
Sponsor: University of Western Ontario	
Bronze Medal - Engineering - Junior	\$300
Sponsor: Youth Science Foundation Canada	
Total	\$1 300



