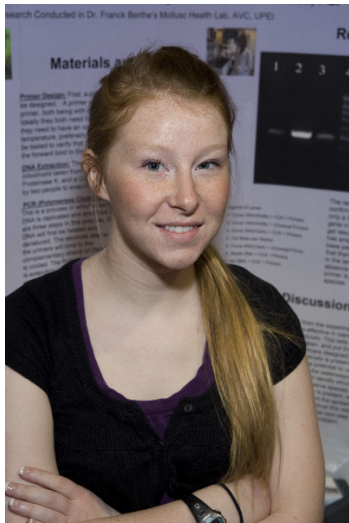


# CWSF 2008 - Ottawa, Ontario



## Rebecca Wolfe

### Identifying *Ciona intestinalis* Via COX1 Primers

**Division:** Biotechnology / Environmental Innovation

**Category:** Senior

**Region:** Prince Edward Island

**City:** Miscouche, PE

**School:** Three Oaks Senior High School

**Abstract:** In recent years the invasive species the Vase Tunicate (*Ciona intestinalis*) has become a problem throughout waterways around Canada. Identifying this species in waterways is difficult with only two inefficient methods; using DNA Primers and Polymer Chain Reaction, is a possible, efficient and effective way to identify *Ciona intestinalis* in a water sample.

#### Biography

Rebecca Wolfe is a grade 12 student of Three Oaks Senior High School. This inspiring Marine Biologist has been interested in Marine Biology and science from a very young age. Her interests in the marine life that many of her fellow Islanders depend upon for their livelihoods has lead her to study the invasive species of vase tunicate. Her project has lead to the creation of a test using DNA for early detection of this species in waterways. After graduation she will be furthering her studies in the field of science at an accredited university. She plans on furthering the project.

#### Awards

#### Value

The Manning Innovation Achievement Award Sponsor: Ernest C. Manning Awards Foundation	\$500
The Manning Innovation Achievement Award and \$4000 Manning Young Canadian Innovation Award Sponsor: Ernest C. Manning Awards Foundation	\$4 000
<b>Total</b>	<b>\$4 500</b>