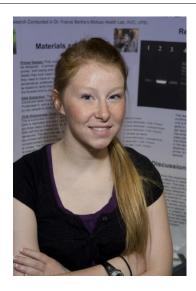




CWSF 2008 - Ottawa, Ontario



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 acredited university. She plans on furthering the project.

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



