

# CWSF 2014 - Windsor, Ontario



## Else Mikkelsen

### Island Invaders

**Challenge:** Environment

**Category:** Senior

**Region:** Greater Vancouver

**City:** Vancouver, BC

**School:** Sir Charles Tupper Secondary

**Abstract:** This project is a five-year ecological study of a 3.3km<sup>2</sup> area of Keats Island, BC. Data on populations of approximately 300 species of plant and animal was collected to determine distributions and relative abundance of the species. Using this information, an Invasive Species Management Plan was created to assess the potential impacts of invasive species on the island, and outline ways to reduce their impact.

### Biography

Hi! I am a grade 12 student from Charles Tupper Secondary in Vancouver, Canada. I am passionate about nature, and enjoy hiking, birding, and being outdoors. I volunteer as a bird surveyor and nature interpreter for Bird Studies Canada and the Stanley Park Ecology Society. My passion is leading me to pursue a career in biology, and I will be attending the University of British Columbia next year to study sciences. I hope to become an ornithologist, ecologist, or zoologist. I also enjoy playing and composing music, and play the piano and trumpet. My project started five years ago when I became interested in documenting the biodiversity of an area of Keats Island, BC. It soon turned into my science fair project, as I learned more about the impacts of invasive species on the island. Through this project, I hope to limit the spread of these invasive species on the island, and to create a baseline of data for future reference as the ecology continues to shift.

### Awards

### Value

Excellence Award - Senior - Bronze Medal Sponsor: Nuclear Waste Management Organization	\$100
University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa	\$1 000
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$2 100</b>