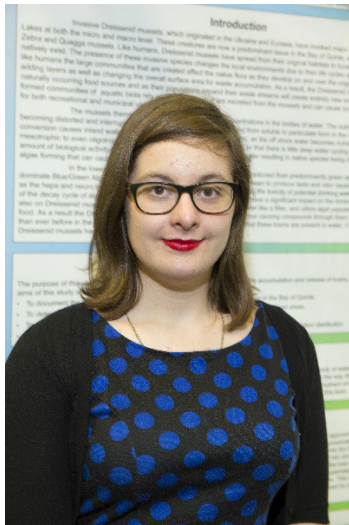


CWSF 2014 - Windsor, Ontario



Theresa DeCola

Implications of Dreissenid Mussel Death and Degradation on Water Quality

Challenge: Environment

Category: Senior

Region: Quinte

City: Belleville, ON

School: Bayside S.S.

Abstract: 1. To document the species, size and mass data of Dreissenid mussel populations in order to obtain an accurate representation of the speciation. 2. To determine the specific effect of Dreissenid mussels on the nutrient shunting 3. To determine whether Dreissenid mussels are capable of bio accumulating toxins in their natural environment and the relationship between mass, age and toxicity

Biography

Hello, my name is Theresa and I am a grade 11 student from Ontario! Living on the Bay of Quinte, I have always had an interest in water quality, however I have other interests as well. In my spare time I enjoy working at a local grocery store as a cashier, member of the office staff, and head of cashier training. I am also the committee head for my schools Relay for Life event, and was one of the Canadian students selected to participate in Microsoft's Innovate for Good. But I like to have fun too, over the years I have learned how to juggle and ride a unicycle... which I think is pretty cool! This will be my fourth Canada Wide Science fair, and I am sure it will be a unique and wonderful experience, that I would recommend to any student.

Awards

Value

Canadian Stockholm Junior Water Prize Sponsor: Canadian WEF Member Associations, the Canadian Water and Wastewater Association, and Jacobs	\$2 000
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
Total	\$4 100