

# ESPC 2014 - Windsor (Ontario)



## Theresa DeCola

### Implications of Dreissenid Mussel Death and Degradation on Water Quality

**Défi:** Environnement

**Catégorie:** Sénior

**Région:** Quinte

**Ville:** Belleville, ON

**École:** Bayside S.S.

**Sommaire:** 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

### Biographie

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.

### Prix

### Valeur

Prix du concours junior canadien au sujet de l'eau, à Stockholm Commanditaire: Les associations membres canadiennes de la WEF, l'Association canadienne des eaux potables et Jacobs	2 000,00 \$
Prix d'excellence - Senior - Médaille de bronze Commanditaire: Société de gestion des déchets nucléaires	100,00 \$
Bourse d'admission de l'Université d'Ottawa Médaille de bronze, sénior ? Bourse d'admission de 1 000 \$ Commanditaire: Université d'Ottawa	1 000,00 \$
Bourse d'études de Western University Médaille de bronze - Bourse d'admission de 1 000 \$ Commanditaire: Université Western	1 000,00 \$
<b>Total</b>	<b>4 100,00 \$</b>