

# CWSF 2014 - Windsor, Ontario



## Bailey Fenton

### Thrival or Survival

**Challenge:** Innovation

**Category:** Intermediate

**Region:** South Shore

**City:** Mahone Bay, NS

**School:** Bayview Community School

**Abstract:** This project includes investigating about the harmful effects that tunicates have had on the mussel growing industry in Nova Scotia. An innovation was also created called the BAI-TON BLUE to reduce the amount of tunicates on the mussel line, promoting stronger mussel growth. This device will be tested this summer when weather conditions will allow for accurate results.

### Biography

Hello, my name is Bailey Fenton. I am 14 years old and live on the ocean in Mahone Bay, Nova Scotia. I was born in Oakville, Ontario, but moved to Mahone Bay three years ago. During the summer I spend a lot of time swimming in the ocean and jumping into the water at high tide from our balcony. Living on the ocean close to a mussel farm is what inspired me. I saw the mussel farming industry get nearly wiped out, recently, from increase in tunicates, with many jobs lost. Then, I noticed when our floating docks came out in October, there were fewer tunicates on the blue foam underneath versus other foam. I thought I could use blue foam to surround the mussel lines, reducing tunicates, promoting strong mussel growth. I hope to use my innovation this summer, to see if I can help the mussel growth. I enjoy art classes and horse back riding in my spare time. I play in jazz and concert bands, including the Nova Scotia Junior Wind Ensemble. I play trombone, clarinet, saxophone, and piano. I love the music and sports at school, including volleyball, soccer, badminton, skiing/snowboarding, but my favourite is basketball.

### Awards

### Value

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