

# CWSF 2009 - Winnipeg, Manitoba



## Adrian Howie

### From CO2 Sink to Biofuel Inc.

**Division:** Engineering & Computing Sciences / Environmental Innovation

**Category:** Intermediate

**Region:** Halifax

**City:** Halifax, NS

**School:** Citadel High School

**Abstract:** This project looks at the effect of higher CO2 levels on the growth and lipid production of three species of phytoplankton. It was noted that lipid production did increase with higher levels of CO2, but not enough to make up for the dramatic reduction in growth.

### Biography

My name is Adrain Howie, I'm 16 years old and I live in Halifax Nova Scotia. I'm in grade 10 at Citadel High. I have lived in Halifax most of my life except for grades 5 and 6, when I lived in Ottawa. My favorite sports are tennis and football. I play and coach tennis year round, and was on the provincial champion high school football team. I am active in my community and in my church. I also play the double bass in a string ensemble. I did the regional science fair for four years now, and this is the third time going to nationals.

### Awards

### Value

Honourable Mention - Earth & Environmental Science - Intermediate Sponsor: Petro-Canada	\$100
Honourable Mention - Environmental Innovation - Intermediate Sponsor: EnviroExpo, Presented by VIA Rail Canada	\$100
<b>Total</b>	<b>\$200</b>