

# CWSF 2008 - Ottawa, Ontario



## Nicole Goldring

### Mountain Pine Beetle: The Silent Fire

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

**Category:** Intermediate

**Region:** Cariboo Mainline

**City:** Kamloops, BC

**School:** Kamloops Secondary

**Abstract:** This project studied and determined the effects of CO<sub>2</sub> release from mature lodgepole pine after attack from mountain pine beetle and how it will contribute to climate change. Through data analysis and identification of significant variables, I was able to determine total CO<sub>2</sub> release from cumulative hectares of attacked lodgepole pine. Results have given new and valuable insight on this topic.

#### Biography

Hi, my name is Nicole and I am a grade 10 student from South Kamloops Secondary. I am an active member in student clubs such as Global Awareness and Students Council in my school. After school I volunteer at the local hospital as a candy striper, and am part of the interior BC Hydro Powersmart student program. Last summer I worked full time for the Fraser Basin Council and spent a week working at Agriculture Canada with a team of scientists. Most recently, I attended the B.C. Youth Action Dialogue in Vancouver where youth addressed environmental issues with the Premier of B.C. I first found I was interested in science when I competed at the regional science fair in grade 5. After that, I competed every year in elementary school and went to the nationals in grade 7. This year I decided to compete at the regionals again, where I won a gold medal along with four significant awards, including Best in Fair. In my spare time I enjoy playing soccer, skiing, reading, and being with my friends. I plan to attend UBC where I am interested in pursuing a career in either medical or environmental science.

#### Awards

#### Value

Australian National Youth Science Forum Award	\$2 500
<b>Total</b>	<b>\$2 500</b>