

CWSF 2006 - Saguenay, Québec



Gillian Haugen-Koechl

Pine Beetle Blues

Division: Engineering & Computing Sciences

Category: Junior

Region: Northern British Columbia

City: Charlie Lake, BC

School: Bert Bowes Jr Secondary

Abstract: Can pine needle decoction tell the health of the tree? Last year I learned pine needle decoctions kill bacteria. This year I tested decoctions from pine exposed to mountain pine beetle. I collected samples of healthy, stressed and dead trees. I tested decoctions pH level and ability to fight bacteria.

Awards	Value
Pulp & Paper Technical Association of Canada Award Sponsor: Pulp & Paper Technical Association of Canada	\$500
Honourable Mention - Earth & Environmental Science - Junior Sponsor: Petro-Canada	\$100
Total	\$600