

# CWSF 2006 - Saguenay, Québec



## David Rodgers, Greg Kilroy

### A Leechy Situation (Chemosensory in Peril?)

**Division:** Engineering & Computing Sciences

**Category:** Intermediate

**Region:** North Bay

**City:** North Bay, ON, Powassan, ON

**School:** Widdifield Secondary

**Abstract:** The purpose of this experiment was to determine if low concentrations of either nickel nitrate or copper nitrate, would affect chemosensory receptors in leeches. The results demonstrated that concentrations as low as 5ppb of these metals did affect chemosensory ability. These results provide insight towards the delicate balance of ecosystems.

Awards	Value
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
Bronze Medal - Earth & Environmental Sciences - Intermediate Sponsor: Petro-Canada	\$300
Total	\$1 300