

CWSF 2012 - Charlottetown, Prince Edward Island



From Salted Streets to Salty Streams

Challenge: Environment

Category: Junior

Region:

City: ,

School:

Abstract: This experiment assessed whether road-salt was toxic to invertebrates that live in roadside streams. Freshwater shrimp (*Hyaella azteca*) were exposed to different concentrations (0-7200mg Cl/L) of road-salt (NaCl). After seven days, almost all (>85%) animals in the control and lower concentrations (900, 1800mg Cl/L) survived, but all animals in the highest concentration died. These results indicate invertebrates in urban streams are at risk from road-salt.

Awards	Value
Excellence Award - Junior - Silver Medal Sponsor: Youth Science Canada	\$700
Western University Scholarship Silver Medallist - \$2000 Entrance Scholarship Sponsor: Western University	\$2 000
Total	\$2 700