

CWSF 2005 - Vancouver, British Columbia



Gillian Gillies

Dam Ice: The Frost Factor

Division: Engineering & Computing Sciences

Category: Intermediate

Region: Northwestern Ontario

City: Thunder Bay, ON

School: Sir Winston Churchill Collegiate and Vocational In

Abstract: This experiment investigated why ice dams occur on some roofs during winter and the diagnostic properties of observed frost melt patterns on the roofs of storey-and-a-half houses. Heat loss patterns were measured on a model roof proving that ice dams are most likely to form above the knee wall.