

CWSF 2011 - Toronto, Ontario



Michael Fleet

A River Runs Through It ? Mitigations to Reduce Flooding in the Urban Environment

Challenge: Environment

Category: Senior

Region: Eastern Newfoundland

City: Paradise, NL

School: Holy Spirit H.S.

Abstract: The purpose of this project was to test methods to reduce discharge rates in rivers flowing through urbanised areas with the hypothesis being: if mitigation techniques are retrofitted into cities, then discharge intensity will decrease. The results were that within the model, river discharge intensity was reduced by retrofitting my experimental urbanised watershed with retention and detention basins.

Biography

My name is Michael Fleet and I'm a Level II student at Holy Spirit High in Miramichi, NL. I'm a Level 5 Air Cadet and hold the rank of Flight Sergeant with 905 Viking RCACS in Paradise. Last summer I performed with the Signal Hill Tattoo, a historical animation program portraying the garrison life and duties of His Majesty's Royal Newfoundland Regiment of Foot in the late 1790's and earned the 2010 award for "Best New Grenadier Recruit." I play lead alto saxophone in my school and cadet bands and second saxophone with the CBS Concert Band. I also play guitar, both electric and acoustic, and enjoy writing and recording my own musical compositions. I have a 2nd degree Blackbelt in Taekwondo, participate in biathlon, regularly jog and weight train, and this past fall earned a spot on my high school rugby team. I enjoy travelling and have travelled in Canada and Europe. I just completed a tour of Canadian Battlefields in France, Belgium and Amsterdam in April, giving me the opportunity to combine my love of history with travel! In April, I was presented with a NL Arts and Letters Award for Literary Arts in the Junior Prose Category.

Awards

Value

Excellence Award - Senior - Bronze Medal Sponsor: Youth Science Canada	\$300
The University of Western Ontario Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Western Ontario	\$1 000
University of Ottawa Entrance Scholarship Senior Bronze Medallist - \$1000 Entrance Scholarship Sponsor: University of Ottawa	\$1 000
Total	\$2 300