



## CWSF 2015 - Fredericton, New Brunswick



## Multi-Hydrocarbon Based Approach to Water Retention Technologies

Challenge: Innovation Category: Junior

Region: City: School:

**Abstract:** The Alberta floods of 2013 cost the Canadian government an estimated \$6

billion. To find a more effective sandbag to reduce the devastating impact of floods, 3 types of sandbags in 3 formations were tested. It was found that applying a 2 mm coating of petroleum jelly to the outside of standard

sandbags increased their rate of water retention by 336%.



