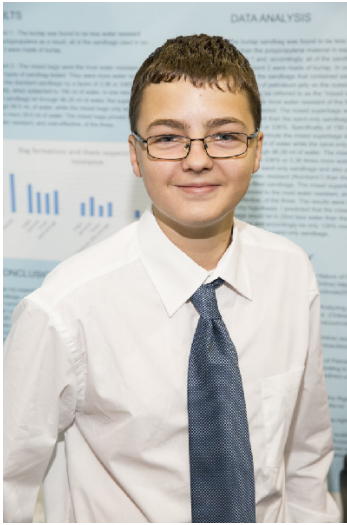


## CWSF 2015 - Fredericton, New Brunswick



### **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%.