

CWSF 2012 - Charlottetown, Prince Edward Island

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Siobhan Quigg

Stumped: a dendrochronological study of the Sahtu

Challenge: Environment

Category: Senior

Region: Sahtu

City: Norman Wells, NT

School: Mackenzie Mountain School

Abstract: "Stumped" takes advantage of the biological record keepers; trees. By comparing the natural data collected by the trees of the Sahtu region in Northwest Territories (where the effects of climate change are epitomized), with the weather records of Environment Canada, assumptions about the relationship of the width of tree rings and climate conditions can be identified to support theories of the future northern ecosystems.

Biography

I was born and raised in the Northwest Territories and have benefitted for sixteen years from the unique living experience the north has to offer. I am an active member in Mackenzie Mountain school's student council, drama club, youth-elder partnership program, annual 30 hour famine and grad committee. In the past, I have also represented my school at the Territorial Track and Field meet, Heritage Fair, Skills Baking Competition and National Debating Seminar. I have also pursued photography/media and have been involved with Frozen Eyes Photography Society, Centre for Digital Storytelling and Western Arctic Moving Pictures. Additionally, I am a francophile and an alumni of the French for the Future seminar of 2011. In my leisure time, I make noise with the help of a piano or ukulele, bake cakes, and waste time with friends. I have participated in an ongoing study of the overflow in relation to melting permafrost in a local creek in association with the Canadian Light Source facility. This project led to my involvement in the Canadian Environmental Youth Summit hosted in Yellowknife. My enthusiasm towards environmental issues and my unique location were contributing factors towards my project this year.

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