

## CWSF 2008 - Ottawa, Ontario



### Laura St. Marseille

#### Come On In, The Water's Fine?

**Division:** Engineering & Computing Sciences / None

**Category:** Senior

**Region:** United Counties

**City:** Cornwall, ON

**School:** Cornwall Collegiate & Vocational

**Abstract:** The Cornwall Canal is a historic waterway with a potential for recreational activities. Recreational water quality is determined by aesthetic and health-related parameters. Water samples were taken from six canal locations seasonally to evaluate bacteriological and nutrient trends. Field and laboratory analyses demonstrated that the water quality was generally good but that it was affected by temperature, stream velocity, and the proximity of contaminants.

#### Biography

Laura St. Marseille is a sixteen-year-old grade eleven student at C CVS in Cornwall, Ontario. Her science project entitled "Come On In, The Water's Fine?" provided her with an opportunity to combine one of her favourite activities, kayaking, with her keen interest of biology and chemistry. Naturally, she enjoys environmental research and endeavours. Some of her hobbies and interests include designing jewellery, cooking, and art. She also enjoys outdoor activities such as swimming and hiking. She is a voracious reader of history and fiction novels. In 2004, she re-enacted part of Canada's heritage as a Time Traveller at Upper Canada Village and a Legislative Page at the Ontario Legislature. Laura won stage management awards at the Sears Drama Festival for her school's production of 'Waterworks' at the local and regional levels. During the summer of 2007, she participated in a Rotary Short Term Exchange to the Bordeaux region of France. Laura is the Interact Club Secretary at her school and is a member of the Student Council, Envirothon Team, and Student Senate. She participated in and was a winner of the National Engineering Week Bridge Building Competition in 2007 and 2008.