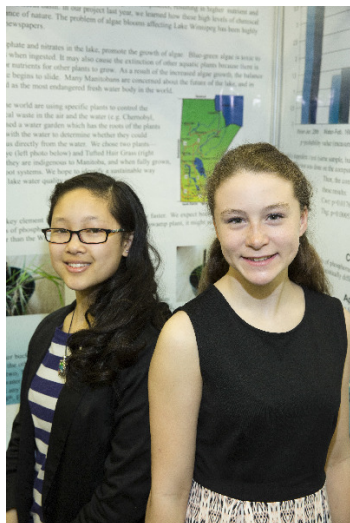


# CWSF 2014 - Windsor, Ontario



## Alexandra Skwarchuk, Wynonna Mendoza

### Can We Use Plants to Control the Amount of Phosphorus in Lake Winnipeg?

**Challenge:** Environment

**Category:** Junior

**Region:** Winnipeg Schools

**City:** Winnipeg, MB

**School:** River Heights School

**Abstract:** This project deals with chemical pollution in fresh water bodies, specifically in Lake Winnipeg. It shows an energy and cost efficient method of removing chemical pollution from not just Lake Winnipeg, but all sorts of fresh water bodies, all around the world.

#### Biographies

Alexandra - My name is Alexandra Skwarchuk and I am in the eighth grade of the French Immersion program at Ecole River Heights School, in Winnipeg, Manitoba. My family has a cottage on Lake Winnipeg, and I enjoy spending time with nature. In recent years, the lake has been overcome with blue green algae, making it unattractive and unsafe for swimming for parts of the summer season. My science fair projects over the past two years have concentrated on finding solutions for the lake. Some of life's biggest problems have simple solutions if you just do your part. Outside of school, I am an avid musician. I play the harp, piano and study voice. I am also a...

Wynonna - I'm Wynonna Mendoza, a grade 8 French Immersion student at Ecole River Heights School in Winnipeg, MB. At a young age, my family and I would go to the rainforests of Borneo and enjoy the wildlife there. I'm a consistent honour student and I love making art using various means such as graphite pencils, pastels and even design programs like Adobe InDesign, Illustrator and a simple S Memo app on my phone. I've finished my Bronze Medallion and I'm working my way towards being a lifeguard. As for the inspiration for our project, my project partner and I learned that Lake Winnipeg was declared the 'most threatened lake in the world.' Thinking that ...

#### Awards

#### Value

Excellence Award - Junior - Bronze Medal Sponsor: Nuclear Waste Management Organization	\$100
Western University Scholarship Bronze Medallist - \$1000 Entrance Scholarship Sponsor: Western University	\$1 000
<b>Total</b>	<b>\$1 100</b>

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