

## CWSF 2012 - Charlottetown, Prince Edward Island



### Juliana Ali

#### The Problem with Pickerels

**Challenge:** Environment

**Category:** Intermediate

**Region:** Chignecto East

**City:** Pictou, NS

**School:** Northumberland Regional High School

**Abstract:** The invasive species, chain pickerel (*Esox niger*), can survive in waters with the salinity of up to 15ppt (Scott, W. B. and Crossman, E. J., 1973). Due to the high salinity tolerance of chain pickerel there is a concern that they could withstand the salinities of an estuary long enough to travel from one river to another using the estuary as a pathway.

#### Biography

Juliana Ali is a grade 10 student from Nova Scotia. She is the co-head of the environmental club and an active member of student's council. She plays the tenor sax in her school orchestra. She plays on the varsity basketball and soccer teams. This is her third year attending CWSF. "I wanted to do something locally for my project, so I approached my local fisheries and asked if there was any opportunity for a project. Biologist Jason LeBlanc and Cathy Munro helped ease me into this project. "In the future, I hope to possibly do an experiment with chain pickerel to find out how long they could survive in different saline environments. I would also like to look into the swimming pattern of chain pickerel." "My advice to other students thinking about doing a science fair project is to make sure you know the regulations of science fair before you start the project! It's the worst feeling in the world when you realize some of your data cannot be used because you didn't do something correctly, like consent forms for surveys."

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