Investigating the Impact of River pH Levels on Water Drinkabliltiy Maya Choksey and Ellis Carter THE GLOBE PROGRAM Ottawa Hills High School Global Learning and Observations to Benefit the Environme

Abstract

The pupper of our project at to see differe in a safer and easier way to source dualing outer ation nuchons. We compared the piles of the Offsen River, to puter from our discourses, and Labe East to see which be diff the sets dualing water that and a dual our labe East affect the Offsen River, the behaved hat the pile of Labe East work of the diffsent field of the test pile of the Dates River, at the beam that it way was an another the pile of Labe East work of the diffsent field of the test pile of the Dates River, at the beam that it was an affected by the pile of Labe East work of the use of the field of the pile of the Bab east of the test pile of the Bab east of the set of the S

Research Question

With Additional Questions

- How will the pH levels of Lake Erie affect the pH levels of tap water and river water?
- Is tap water safe to drink?
 How does the water from Lake Erie flow into the Ottawa

Could the Ottawa River be a source of tap water?

Introduction

This propert answers the question. Here wild the pH levels of L dos East affects the gH levels of the second once watter D wall explains the pH levels of L dos East concentration styre and here the purch on a diverse from the C down Samt and here a Marce approximation is negliter an influence of the second second and the second second and the second second

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Research Methods We got our results from the Ottawa River, the tap water from our classroom, and Dr. KG's pH kits. At the time of research, the Ottawa River was cold and partially frozen.

We used the Hydrosphere Globe Protocol, specifically the pH Our Lake Erie results were found at <u>GLERL NOAA</u>.

Carrying Out Investigations

Describe the GLOBE protocols and NASA sasts actually used Describe the GLOBE protocols and NASA sasts actually used Describes data collection activities including discussions of the specific locations at a site where data sampling occurred Describes the specific soluti the data (eg. the fund of data, amount of data) Describes the steps for data collection (eg., frequency of sampling or measurement activities, the protocols used, the role of each team member in collecting data, etc.)

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GLOBE Badges

Results

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pH of Lake Erie vs. Date





Figure #2

Conclusions





Discussion

As we have concluded that the river water is safer and closer, the next step would be to find a way to source the river water into our nomes, schools, and workplaces. We can also see from our research that the pH of Lake Erie does not affect the pH of the Ottawa River, so if there is ever any vuru in the Lake and prevented us from drinking our water

Bibliography