Lake Erie Point Source Pollution

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Introduction:

Rationale: The reason why I researched water pollution in Lake Erie is because I live in close proximity to the lake and the water doesn't look clean.

Hypothesis: I believe that most dwellings in Erie County do not have available clean water.

AREA OF STUDY

▶ The location I looked at was Lake Erie, and the land surrounding it

  ▶ Michigan

  ▶ Ohio

  ▶ Pennsylvania

  ▶ New York
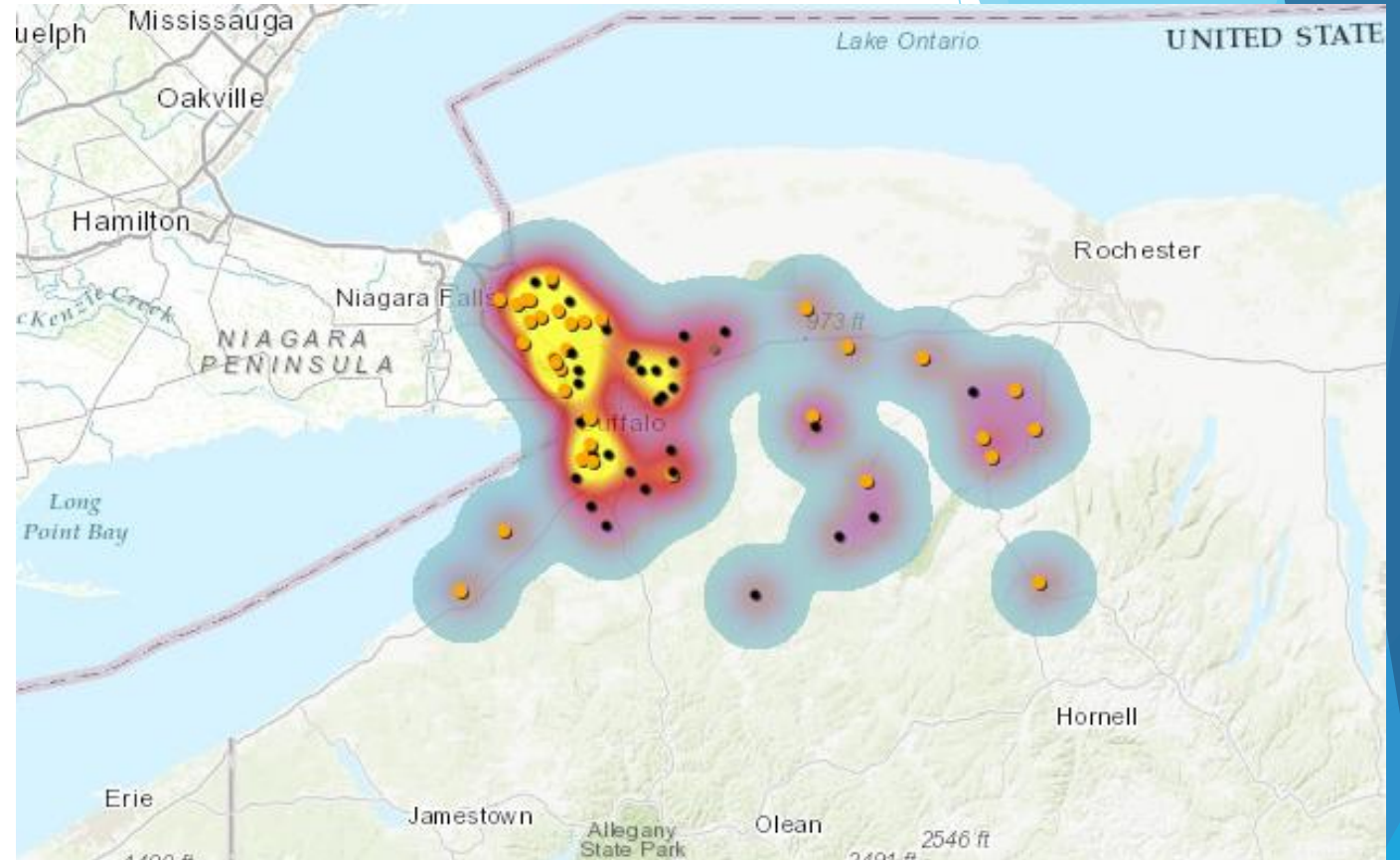
  ▶ Canada

    ▶ In this study, I focused on Erie County

DATA

- Found in arcgis, US point pollution data provided by Esri

- We also used census data provided by Esri

- Enriched data to get the cross over and then we ran a hot spot analysis to identify places with numerous high density of point pollution sites in low income areas.

RESULTS

- The brighter the color the higher the concentration of point source pollution sites in low income

- These hot spots show areas with low income. The yellow shows the highest areas, these areas show concentration of low income and dump sites. People might not have enough money or time to fix this problem, this can also impact their health and the people that don't have enough money can't go to the hospital because they either have to work or they don't have the money to go get check ups

Career Plans

- Who I Am
  - I'm good at playing volleyball, drawing, and dancing
  - The subjects I'm good at are math and art
  - SAI (Social, Artistic, Investigative)
- Where I'm Headed
  - I researched architect and what they do is they make designs of buildings/houses/schools and make them come true
- I Can Get There By
  - I can get there this summer by visiting museums that talk about how certain things were made
  - This year I will work on finishing my designs and sculptures, and work hard this school year
- Who Can Help Me On The Way
  - My mom can help me on my career path, she lets me know if I'm making a bad decision or a good one