



BY ALEXANDRIA CITY HIGH SCHOOL



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TOPIC

Four Mile Run Pollution Control

TOPIC DESCRIPTION

- The people who are affected by the pollution of the four mile run is children, adults, environment and animals.
- The way the pollution effects everyone is because animals could ingest these harmful substances that have toxic chemicals, which could poison or kill the animal
- Another way that the pollution affects everyone is by not making it safe for children and adults to walk the walk paths. This is because there could be a glass bottle or a sharp object that could hurt the child or adult.
- The reason why it matters to Alexandria is because this problem can affect the water quality, public health ,wild life and ecosystems.

BASELINE DATA & GOAL

- What we know is that the four mile run has a lot of pollution in the environment and stream. The way we can solve this is by making a group dedicated to cleaning the four mile run.
- 40% of the Four Mile Run watershed is covered by impervious surfaces.
- My goal is to reduce the pollution by 7 percent. And something that I would want to improve is with more clean ups.



CYCP GOAL & STRATEGIC AREA

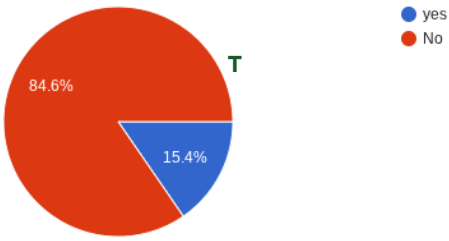
- A CYCP that connects to this issue is “Healthy and Safe Children and Youth”.
- The way Healthy and Safe Children and Youth fits to this issue is because pollution affects clean water, outdoor recreation, environment health, and safe community spaces for young people.

WHAT IS HAPPENING RIGHT NOW?

Is the city doing enough to clean the Four Mile Park?

26 responses

Copy chart



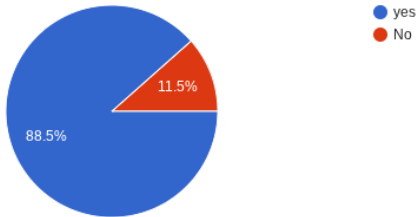
the reason why this graph is important because it is shown the people that they do not see enough effort put into saving the four mile run.

- This data shows if the city is doing enough to clean the four mile park.The reason why this graph matters is because 84.8 percent of people who live or walk around the four mile see a imense amout of trash and they are seeing little to no effort from the city.

Are people in the park the main problem of the pollution for the Four Mile Run Park?

26 responses

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- The reason why this graph is important is because it shows how the city should add stricter rules because people are the main problem with the pollution in the four mile run

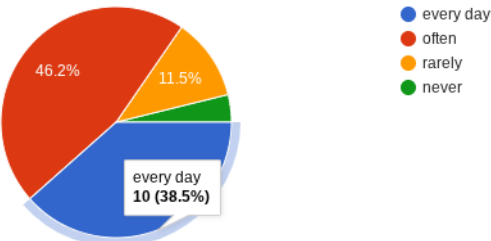
- What this survey is asking is if the people are the main problem of the pollution for the Four Mile Run Park. 88.5 percent said yes, the reason why this is very important is because we need more stricter rules on people who litter so we can decreasing the amount of trash in the Four Mile Run Park.

- Lastly the survey asked how often do you see trash in the four mile run park. 38.5 percent of the people say that they see a lot of trash everyday. This is very important because it is showing how this issue is starting to be bigger than it should be.This is why it should be announced so we can stop this problem before it becomes something that we will regret in the future.

How often do you see trash in Four Mile Park?

26 responses

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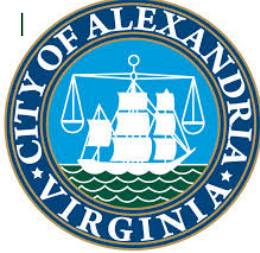
- this graph is important because it shows how the trash is very often there because the rules are very lenient on people

WHAT HAS ALREADY BEEN TRIED?

- What the city has done to try and help the situation for the pollution on the four mile is make a group that cleans up the environment every so often.

WHO CAN HELP?

- List stakeholders or groups that could help solve this issue. Explain how each stakeholder or group could help.
- Four mile run conservancy, City of Alexandria
- The four mile run conservancy comes every week to observe the four mile condition.
- The city of Alexandria urban habitat restorations, proactive stormwater management, and eco-friendly recreation initiatives



WHAT HAS BEEN DONE SO FAR?

- Quantity: Community clean ups, Habitat restoration projects and Storm water and dredging projects.
- Quality: These actions are somewhat helping but its not at its best.

IS IT ACTUALLY HELPING?

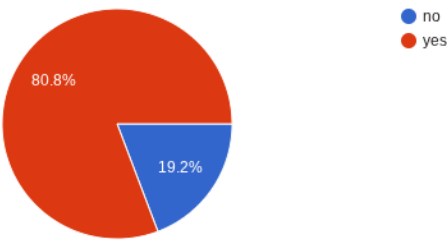
- For example a single kayak cleanup event retrieved 171 pounds of litter in just two hours.
- people are better off with no litter in the four mile run environment. This is because this prevents people from stepping and getting hurt from sharp objects like bottles.

WHAT SHOULD CHANGE? (YOUR SOLUTION)

- I think what should be changed is the severity of littering in the four mile run.
- 80.8 percent of the people who finished my survey wanted more consequences on people who litter in the four mile run.

Are more rules needed to prevent littering?
26 responses

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WHAT WILL HAPPEN NEXT?

- If the city adds more rules into littering it will reduce the pollution that is all over the grass and the stream.
- It will benefit the wild life and the environment. The reason why is because animals will no longer eat trash and be harmed.

CITATIONS

Citations in APA format:

Eickert, C. (2025). *Titan Changemaker Listening Session Handout* [Handout].
Events. (2026). Fourmilerun.org.
<https://www.fourmilerun.org/p/events.html>

Stormwater Management. (2024, November 26). City of Alexandria, VA.
<https://www.alexandriava.gov/Stormwater>

Northern Virginia Regional Commission - Website | Official Website. (n.d.).
[Www.novaregion.org.](http://www.novaregion.org)
<https://www.novaregion.org/>

LEARN MORE

- The city of Alexandria will tell you how much pollution was cleared up.
- Four mile run conservancy will help tell us the condition of the four mile run