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**Interview Questions**

**Professor Walker Interview Questions, April 7, 2022**

* What do you think are the key causes of the Pond’s poor water quality?
* Nutrient Accumulation: Nitrogen and Phosphorus
* Pesticides
* Poorly Capped Landfill
* What are some treatment methods we should investigate?
* Finding ways to prevent the source of the pollutant
* Breaking up phosphorus accumulation
* Dealing with onsite septic tanks
* Dredging up sediments
* What should we be testing for?
* Testing for trace chemicals
* Finding out nutrient concentrations throughout the year
* What are some case studies we should be looking into?
* Lake Erie is a freshwater lake dealing with issues with nutrients
* Cape Code is a small Pond with nutrient issues
* Survey the public and stakeholders to see their overall concerns
* Compare public belief vs reality
* Should we be using the Pond for an irrigation source?
* Find the water balance
* Theoretical volume
* Estimate the water coming in and out of the Pond
* Find what's a safe amount of water to take
* Find out how much would be used over a year
* What are some general things to look out for?
* Collecting water quality data takes time
* Changes over the weather and the season
* Suspended solids could damage irrigation systems

**Brian McCarthy (Sponsor) Interview Questions, April 9, 2022**

1. How long have you been working at Green Hill Park?
2. I do not actually work here. I am the president of the Green Hill Park Coalition.
3. I have been the president for about 22 years.
4. What made you decide to join the Green Hill Park Coalition?
5. I am a neighbor to this Park. I grew up playing in the Park, and swimming in the Pond.
6. What do you enjoy about being part of the Green Hill Park Coalition?
7. I enjoy walking around the Park and seeing people enjoying the Park and having a fun time.
8. What are your main concerns about the Park?
9. We are always thinking about what the City of Worcester has next in store for the Park because the City of Worcester has historically [misused] their Park up until 10 or 15 years ago.
10. When did your concerns about the “Great Pond” become noticeable?
11. About 45 to 50 years ago.
12. In your opinion, what do you think is the cause of the Pond’s poor water quality?
13. In my opinion, it is the runoff from the golf course, down slope runoff.
14. Possibly the leachate from the landfill on the other side of the Park.
15. Litter that gets blown into the Pond.
16. What has the Coalition already done to slow down the decrease in water quality?
17. We take water samples in the summer to check for changes in the baseline.
18. We work with the City of Worcester.
19. We took part in the City of Worcester’s Cyanobacteria monitoring
20. What is your end goal for the Pond?
21. Water that is safe for organisms.
22. A Pond that’s safe for recreational activities
23. Is there anything you want us to know before we start our research into the Pond?
24. This is an exceptionally large City Park. It is probably the largest. It is well used; it has hiking trails, handball and basketball courts, and baseball and football fields.
25. We need to protect it, preserve it, and make sure it stays.

**City Official Interview Questions**

Worcester Department of Public Works and Parks

We are a group of students from Worcester Polytechnic Institute in Massachusetts. We are conducting interviews about the Green Hill Pond to learn more about the current condition of the Pond. This research will be used by Green Hill Park Coalition to enhance the Green Hill Pond.

Your participation in this interview is completely voluntary and you may withdraw at any time. Please remember that your answers will remain anonymous. No names or identifying information will appear on the questionnaires or in any of the projects or publications.

Interview questions

1. How long have you worked for the City of Worcester?
2. What is the City doing to prevent water pollution at Green Hill Park?
3. How long ago did the City start water testing of Ponds and lakes? Are those results available? Can we access them?
4. In your opinion, what do you think attributed to the poor water quality of Green Hill Pond?
5. Does the City have any plans to help improve Green Hill Pond’s water quality?
6. What do the numbers in the test results mean?
7. Can we have the wetland map / where water drains to? |

**Jacquelyn Burmeister Interview, May 17, 2022**

1. How long have you worked for the City of Worcester?
2. What is the City doing to prevent water pollution at Green Hill Park?
3. How long ago did the City start water testing of Ponds and lakes? Are those results available? Can we access them?
4. In your opinion, what do you think attributed to the poor water quality of Green Hill Pond?
5. Does the City have any plans to help improve Green Hill Pond’s water quality?
6. What does the numbers in the test results mean?
7. How much do you think littering impacts water quality?
8. Can we have the wetland map / where water drains to?

**Robert Antonelli Interview, May 25, 2022**

* How long have you worked for the City of Worcester?
* What is the City’s history with the Park?
* What is the City doing to prevent water pollution at Green Hill Ponds?
* How long ago did the City start water testing of Ponds and lakes? Are those results available? Can we access them?
* Does the City test the Park’s water?
* What are some reoccurring concerns you see during testing?
* In your opinion, what do you think attributed to the poor water quality of Green Hill Pond?
* Does the City have any plans to help improve Green Hill Pond’s water quality?
* Can we interview the golf course and the farm director?
* Does the City know what fertilizers the golf course uses?
* We are thinking of putting up QR codes across the Park, is it ok?
* Can we have access to the drainage map for Green Hill Park, the underground pipe routes?
* What type of feedback do you get from the public?
* Does the City factor the use of Ponds into recreational development?
* Do you have the water bill for the irrigation of the golf course? We want to figure out the water flow
* Tell him about our TIMELINE/deadlines