**Water Quality Tool Research**

**Collated Evaluation Feedback**

**Questions:**

**Q1:** Was the GUI logical to navigate, and if not, what could be improved?

**Q2:** Was it easy to understand the data being presented?

**Q3:** Wasthere any errors or unintended features in the application that you found?

**Q4:** Did the tool provide all the features you expected?

**Q5:** Were the filtering and search options sufficient for your needs?

**Q6:** Overall, how would you rate your user experience on a scale from 1-5.

**Q7:** Do you think the GUI was accessible for anyone to use? If not, what could improve its accessibility?

**Q8:** When unsure how to use a page, rate from 1-5 how helpful where the explanation buttons/popups.

**Q9:** Following on from that last question, is there a way to improve the popups?

**Q10:** Was the font size and colour contrast adequate for readability?

**Q11:** What would be a feature that you think would improve accessibility for the program?

**Q12:** Was there any information or features that you felt were unnecessary?

**Q13:** Was the responsiveness of each page sufficient? If not, can you explain why?

**Q14**: Was help or documentation easily accessible? If not, what type of support would be helpful?

**Participant responses:**

**Q1:** Was the GUI logical to navigate, and if not, what could be improved?

**Participant 1:** Overall, the layout was very convenient and logical to follow.

**Participant 2:** It was logical to follow but one improvement that could be made is to add some more colour contrast to differentiate different buttons.

**Participant 3:** I’d say it was logical to navigate but you could improve the visibility of the navigation bar to make it clearer that it is used to see the different pages of the tool.

**Participant 4:** Yes, it was straightforward after using it for a bit.

**Q2:** Was it easy to understand the data being presented?

**Participant 1:** The data tables were easy to understand and were readable.

**Participant 2:** The various graphs and filters made it easy to understand the data.

**Participant 3:** I was a bit confused by some of the technical terms used so explanations or maybe a glossary would be useful.

**Participant 4:** The data tables and graphs were detailed but could use some summaries.

**Q3:** Wasthere any errors or unintended features in the application that you found?

**Participant 1:** No major errors that affected the use of the application.

**Participant 2:** If I tried to load the csv data from a page that wasn’t the main page then I would get segmentation faults.

**Participant 3:** Sometimes the location filter would not work.

**Participant 4:** I don’t think this was particularly an error, but the application was very slow at times, and I was worried it might crash when trying to load certain things.

**Q4:** Did the tool provide all the features you expected?

**Participant 1:** All the features seemed to work as expected.

**Participant 2:** I expected more features in terms of comparing the different pieces of data.

**Participant 3:** It covered most needs, but I expected it to provide more options for the generation of graphs and data tables.

**Participant 4:** Yes, but a way to export the interpretations of the data would make it better.

**Q5:** Were the filtering and search options sufficient for your needs?

**Participant 1:** Yes, they were sufficient.

**Participant 2:** They were useful, more some more in-depth options would have helped.

**Participant 3:** I would have preferred more options to filter the data.

**Participant 4:** Yes, I would say they were sufficient for my needs of the application.

**Q6:** Overall, how would you rate your user experience on a scale from 1-5.

**Participant 1:** 4

**Participant 2:** 3

**Participant 3:** 3

**Participant 4:** 4

**Q7:** Do you think the GUI was accessible for anyone to use? If not, what could improve its accessibility?

**Participant 1:** Yes, I would say it was accessible.

**Participant 2:** Fairly accessible, better colour contrast could help visually impaired users.

**Participant 3:** Maybe not anyone, some of the icons weren’t large enough and some text and data could be considered unreadable by some.

**Participant 4:** Mostly, but support for keyboard navigation would help improve it.

**Q8:** When unsure how to use a page, rate from 1-5 how helpful where the explanation buttons/popups.

**Participant 1:** 4

**Participant 2:** 3

**Participant 3:** 2

**Participant 4:** 5

**Q9:** Following on from that last question, is there a way to improve the popups?

**Participant 1:** Add screenshots to show examples to help with interpreting the popups.

**Participant 2:** Add more usage examples.

**Participant 3:** The language or explanations on the popups could be simpler.

**Participant 4:** I couldn’t think of a way to improve them.

**Q10:** Was the font size and colour contrast adequate for readability?

**Participant 1:** Yes, they were readable.

**Participant 2:** I am visually impaired and struggle to differentiate reds and greens, the application currently has sufficient contrast of distinct colours to allow me to see.

**Participant 3:** Yes, but there wasn’t much colour to affect readability.

**Participant 4:** Yes, the colour contrast did not affect readability.

**Q11:** What would be a feature that you think would improve accessibility for the program?

**Participant 1:** Keyboard shortcuts for navigation.

**Participant 2:** Better screen reader compatibility.

**Participant 3:** A way to alter the application for the needs of other languages.

**Participant 4:** Customisable text size, fonts and themes.

**Q12:** Was there any information or features that you felt were unnecessary?

**Participant 1:** No, all features seemed necessary.

**Participant 2:** The About button seemed slightly unnecessary.

**Participant 3:** I felt like after loading the CSV data, the load button was unnecessary.

**Participant 4:** The quit button felt unnecessary when you could just exit the application by pressing the ‘x’ in the top-right corner.

**Q13:** Was the responsiveness of each page sufficient? If not, can you explain why?

**Participant 1:** Yes, the responsiveness of each page was sufficient.

**Participant 2:** Some of the pages could have been more responsive, certain things took longer to load than others.

**Participant 3:** Almost, but when loading other pages or generating some graphs the page took a little too long to respond.

**Participant 4:** Yes, but some pages could have loaded faster.

**Q14:** Was help or documentation easily accessible? If not, what type of support would be helpful?

**Participant 1:** Yes, I would say the help and documentation was accessible and popups were useful.

**Participant 2:** It was quite accessible, but a support section along the menu bar would be helpful.

**Participant 3:** I’d argue maybe not, something like an FAQ section would be helpful for detailed answers to common questions.

**Participant 4:** Yes, but more examples to help support would be great.