

## **Future Possibilities of TRESA's Urban Nature Reserve Map**

The purpose of this document is to lay out future possibilities of TRESA's urban nature reserve. These possibilities were put together as we progressed through the project, and we found ways we could improve but implementation could not go forward as they were outside the Project Initiation Document.

The current platform allows for basic functionality on a local server/database and has yet to be fully integrated into the TRESA website. With certain additions to the project, the project has the potential to be integrated into similar organisations across the UK and present a viable option for communities to showcase their appreciation for nature and wildlife.

### **Integration**

The platform and database, to store resident data, is yet to be integrated into the TRESA website. Once integrated into the website, TRESA residents would be able to upload their nature-friendly green spaces.

The integration process, if TRESA do not already have an active DB, would include:

- Passing over admin login and password for the admin dashboard.
- Import Database Tables into phpMyAdmin (WordPress plugin under premium membership).
- Upload files into your website's file manager.

In our meeting with Suzanne (11/03/2024) it was clear that some sort of data was being collected and stored when a user purchased a membership through PayPal. In this instance, a future possibility could be a project whereby a team might integrate this project's database into TRESA's existing database. However, this possibility must be evaluated and analysed before proceeding.

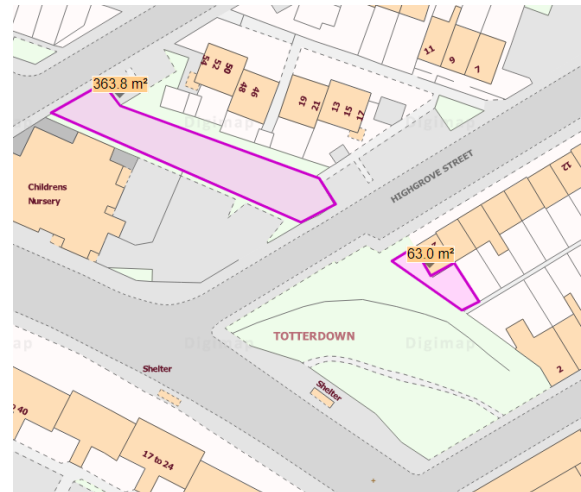
### **Community Hub**

Another possibility for a team to implement is an addition to the map itself. The map currently is a base of data information and sharing regarding nature and wildlife in the local area of Totterdown. We believe that it would be possible for another team to create a community hub for TRESA to not only share their appreciation for nature but communicate and collaborate through an online community hub. This could include a local forum with photo sharing as well as the public map.

This does have its own issues regarding data validation, authentication and privacy but would be great for another Team to analyse the idea and see if they could push it forward in some form or another.

## DigiMaps

The final possibility is the use of DigiMaps, or an alternative. Currently, the mapping platform requires a resident to manually work out the dimensions of their nature reserve and input it into the form. This is prone to errors and miscalculations. An option to prevent these errors would be the use of DigiMaps. DigiMaps allows the user to draw a polygon around a certain area and then automatically calculates the area. This innovative solution is easy to use and is less prone to the errors of manual calculation.



That said, DigiMaps is an expensive platform but a free tool for UWE students. It would be good to see if TRESA could find a similar tool with the same functionality but at a fraction of the price. Also, another great addition to our project in which another team could utilise.