

# SCEG Energy Boxes Survey Report

Sam Allwood  
Summerston Community Environmental Group (SCEG)  
sam.allwood3@gmail.com  
<https://github.com/SamAllwood>

This report summarises the Energy Boxes Survey, performed on behalf of Summerston Community Environmental Group (SCEG). The survey was conducted over 5 days in the second half 2024 and aimed to identify the location and type of energy boxes in the Summerston area. The data was collected using a mobile phone and compiled using a custom-built ‘Shiny’ web application, which can be found at the author’s Github site linked above. The data was then analysed to identify the number of energy boxes and their types.

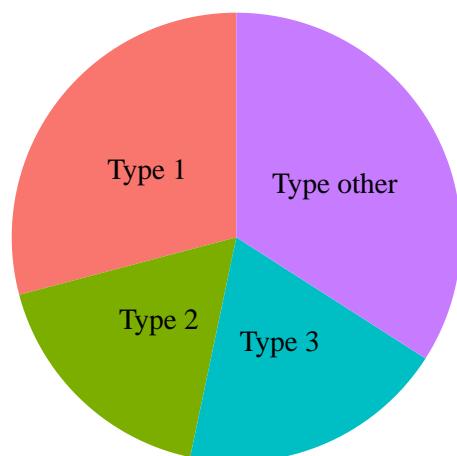
## Summary of Findings

The survey identified a total of 182 energy boxes in the Summerston area. The boxes were categorised into three types based on their appearance; Type 1, 2 and 3. There were also a significant number of boxes which did not match any of the types, which are simply defined as ‘other’.



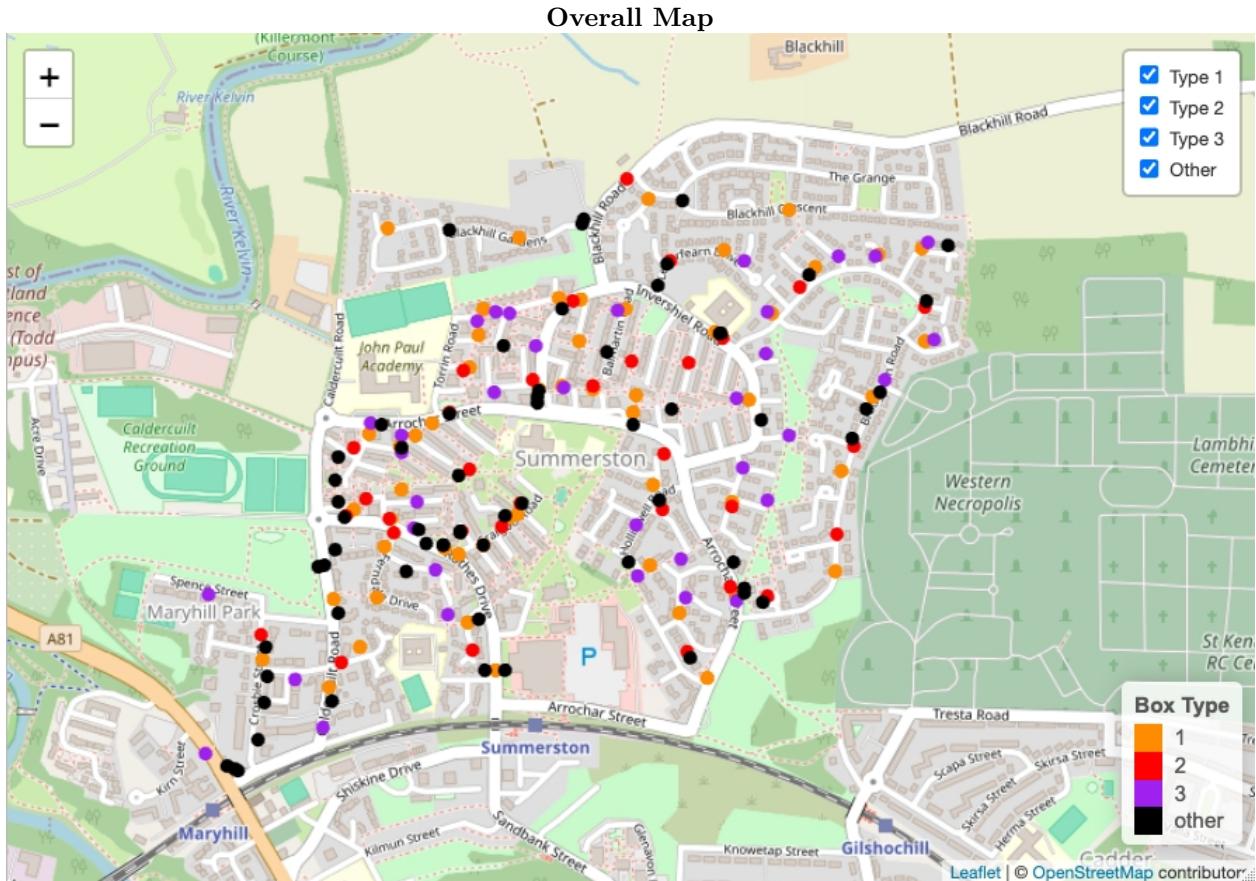
## Distributions of Box Types

Box Type	Count
1	53
2	32
3	35
other	62
Total	182



## Overall Map

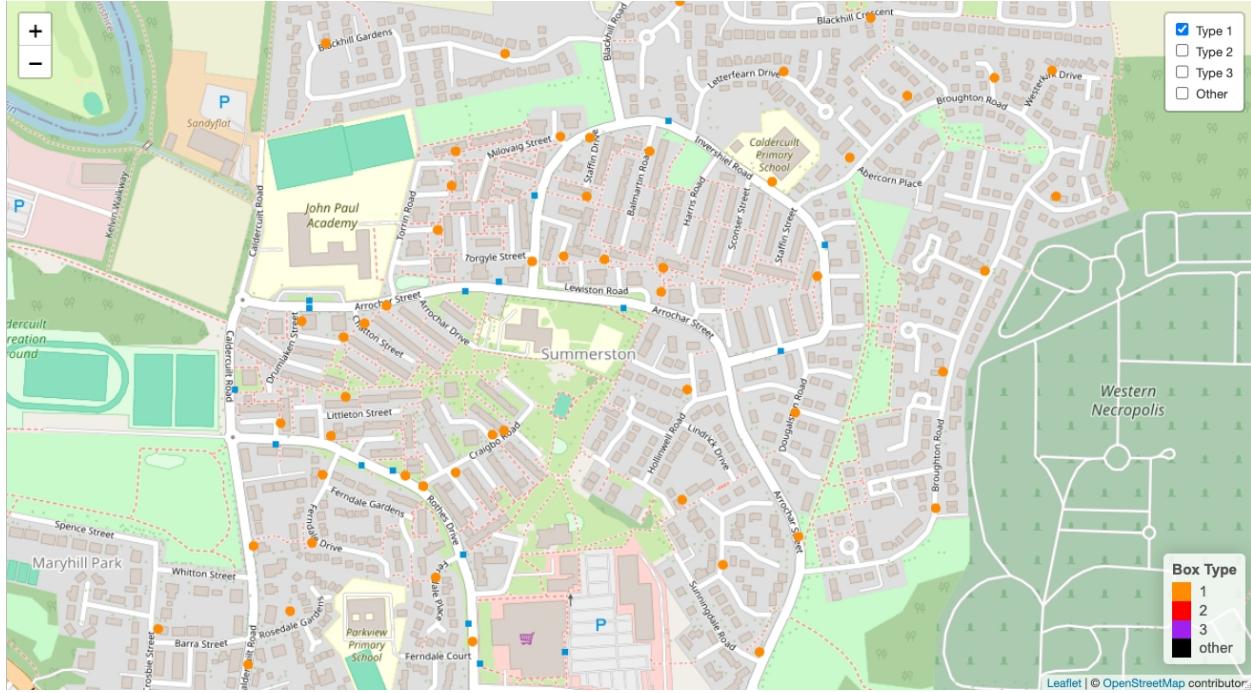
The map below shows all energy boxes surveyed in the Summerston area. The boxes are colour-coded based on their type. The map was created using the `leaflet` package in R and an interactive version is available on Github.



## Box Type 1

Type 1 boxes are characterised by their green colour and the presence of a code label with the form GLA8 PNxxx SNx. They are believed to belong to Glasgow City Council, as some of them display the logo, but this should be confirmed. The only issue concerning this box type is the presence of graffiti, all paintwork and label numbers are clearly visible. The survey identified a total of 53 Type 1 boxes. The map below shows the location of all Type 1 boxes.

Type 1 Map



## Type 1 Photo Collection pt1.



Photos/JPEGs/IMG\_0048\_D.jpg



Photos/JPEGs/IMG\_0054\_D.jpg



Photos/JPEGs/IMG\_0056\_D.jpg



Photos/JPEGs/IMG\_0059\_D.jpg



Photos/JPEGs/IMG\_0062\_D.jpg



Photos/JPEGs/IMG\_0066\_D.jpg



Photos/JPEGs/IMG\_0069\_D.jpg



Photos/JPEGs/IMG\_0071\_D.jpg



Photos/JPEGs/IMG\_0076\_D.jpg



Photos/JPEGs/IMG\_0078\_D.jpg



Photos/JPEGs/IMG\_0082\_D.jpg



Photos/JPEGs/IMG\_0085\_D.jpg



Photos/JPEGs/IMG\_0089\_D.jpg



Photos/JPEGs/IMG\_0092\_D.jpg



Photos/JPEGs/IMG\_0097\_D.jpg



Photos/JPEGs/IMG\_0099\_D.jpg



Photos/JPEGs/IMG\_0105\_D.jpg



Photos/JPEGs/IMG\_0111\_D.jpg



Photos/JPEGs/IMG\_0118\_D.jpg



Photos/JPEGs/IMG\_0123\_D.jpg

## Type 1 Photo Collection pt2.



Photos/JPEGs/IMG\_0123\_B.jpg



Photos/JPEGs/IMG\_0124\_B.jpg



Photos/JPEGs/IMG\_0130\_E.jpg



Photos/JPEGs/IMG\_0132\_B.jpg



Photos/JPEGs/IMG\_0133\_E.jpg



Photos/JPEGs/IMG\_0137\_E.jpg



Photos/JPEGs/IMG\_0140\_E.jpg



Photos/JPEGs/IMG\_0141\_B.jpg



Photos/JPEGs/IMG\_0142\_E.jpg



Photos/JPEGs/IMG\_0146\_B.jpg



Photos/JPEGs/IMG\_0146\_E.jpg



Photos/JPEGs/IMG\_0147\_B.jpg



Photos/JPEGs/IMG\_0148\_E.jpg



Photos/JPEGs/IMG\_0323\_C.jpg



Photos/JPEGs/IMG\_0327\_C.jpg



Photos/JPEGs/IMG\_0328\_C.jpg



Photos/JPEGs/IMG\_0330\_C.jpg



Photos/JPEGs/IMG\_0334\_C.jpg



Photos/JPEGs/IMG\_0336\_C.jpg



Photos/JPEGs/IMG\_0337\_C.jpg

## Type 1 Photo Collection pt3.



Photos/JPEGs/IMG\_0341\_C.jpg



Photos/JPEGs/IMG\_0342\_C.jpg



Photos/JPEGs/IMG\_0344\_C.jpg



Photos/JPEGs/IMG\_0349\_C.jpg



Photos/JPEGs/IMG\_0353\_C.jpg



Photos/JPEGs/IMG\_0355\_C.jpg



Photos/JPEGs/IMG\_9962\_A.jpg



Photos/JPEGs/IMG\_9964\_A.jpg



Photos/JPEGs/IMG\_9969\_A.jpg



Photos/JPEGs/IMG\_9973\_A.jpg



Photos/JPEGs/IMG\_9975\_A.jpg



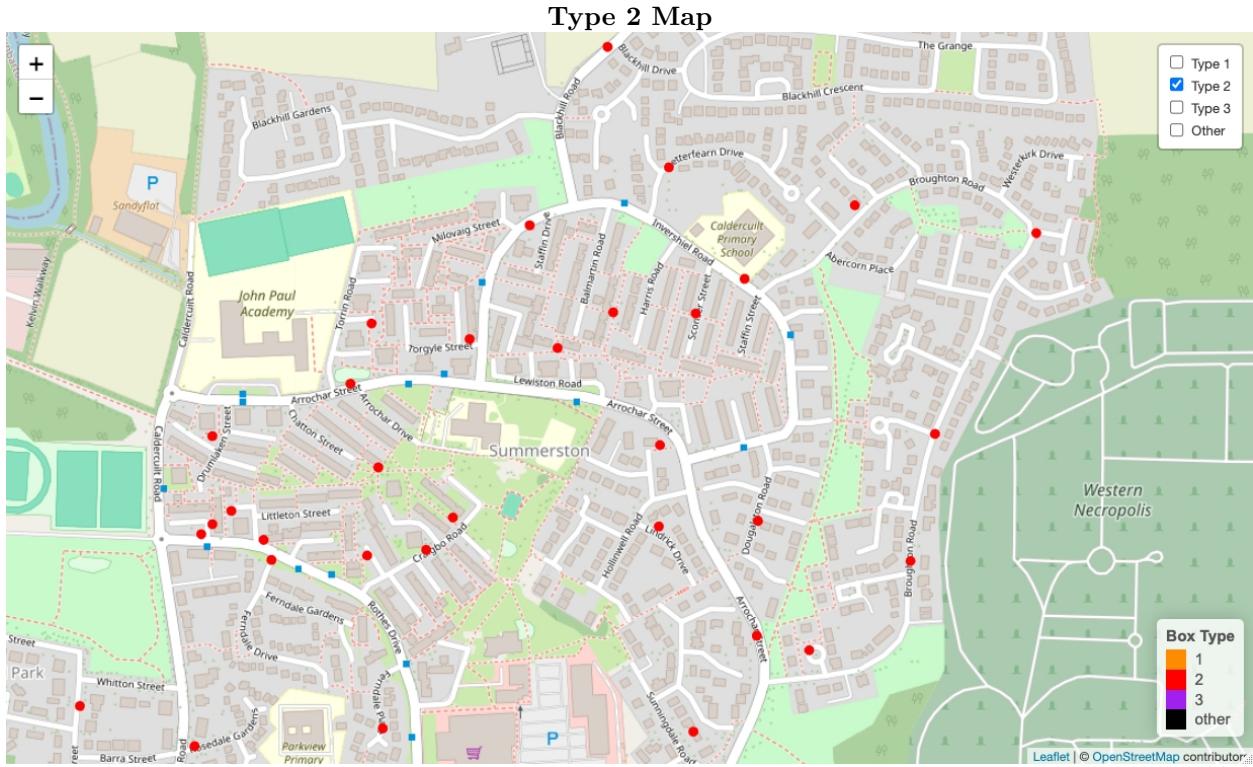
Photos/JPEGs/IMG\_9976\_A.jpg



Photos/JPEGs/IMG\_9981\_A.jpg

## Box Type 2

Type 2 boxes are characterised by their double-doors making them wider than the other types. They also appear older and have the most delapidated paintwork. The survey identified a total of 32 Type 2 boxes. The map below shows the location of all Type 2 boxes.



## Type 2 Photo Collection pt1.



Photos/JPEGs/IMG\_0050\_D.jpg



Photos/JPEGs/IMG\_0055\_D.jpg



Photos/JPEGs/IMG\_0060\_D.jpg



Photos/JPEGs/IMG\_0065\_D.jpg



Photos/JPEGs/IMG\_0075\_D.jpg



Photos/JPEGs/IMG\_0077\_D.jpg



Photos/JPEGs/IMG\_0079\_D.jpg



Photos/JPEGs/IMG\_0087\_D.jpg



Photos/JPEGs/IMG\_0096\_D.jpg



Photos/JPEGs/IMG\_0101\_D.jpg



Photos/JPEGs/IMG\_0113\_D.jpg



Photos/JPEGs/IMG\_0114\_D.jpg



Photos/JPEGs/IMG\_0116\_D.jpg



Photos/JPEGs/IMG\_0119\_D.jpg



Photos/JPEGs/IMG\_0122\_B.jpg



Photos/JPEGs/IMG\_0126\_B.jpg



Photos/JPEGs/IMG\_0127\_B.jpg



Photos/JPEGs/IMG\_0131\_B.jpg



Photos/JPEGs/IMG\_0132\_E.jpg



Photos/JPEGs/IMG\_0133\_B.jpg

## Type 2 Photo Collection pt2.



Photos/JPEGs/IMG\_0136\_E.jpg



Photos/JPEGs/IMG\_0140\_B.jpg



Photos/JPEGs/IMG\_0143\_E.jpg



Photos/JPEGs/IMG\_0324\_C.jpg



Photos/JPEGs/IMG\_0326\_C.jpg



Photos/JPEGs/IMG\_0335\_C.jpg



Photos/JPEGs/IMG\_0340\_C.jpg



Photos/JPEGs/IMG\_0343\_C.jpg



Photos/JPEGs/IMG\_0348\_C.jpg



Photos/JPEGs/IMG\_9968\_A.jpg



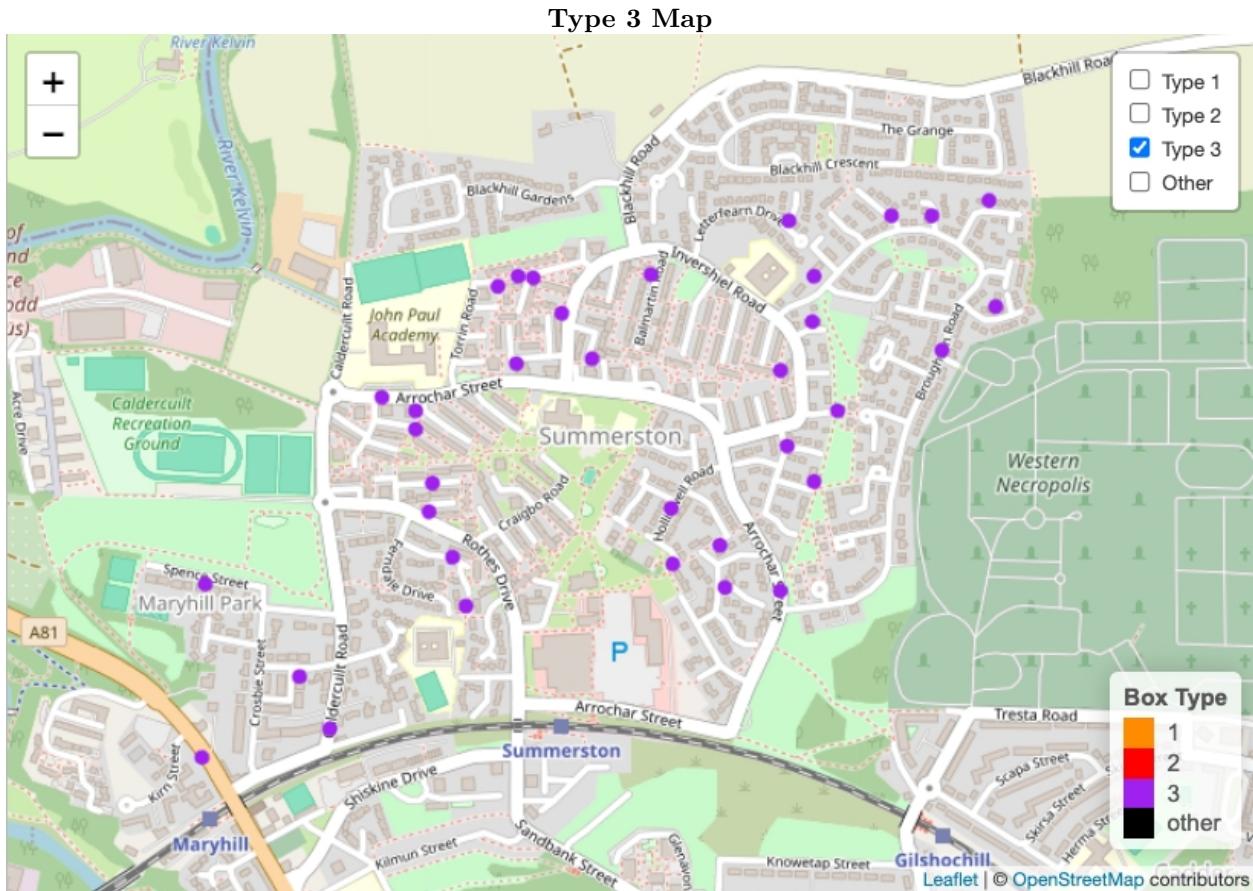
Photos/JPEGs/IMG\_9977\_A.jpg



Photos/JPEGs/IMG\_9979\_A.jpg

## Box Type 3

Type 3 boxes are characterised by their small size and upward hingeing door. They very frequently sited by Cabletel underground access points. The survey identified a total of 35 Type 3 boxes. The map below shows the location of all Type 3 boxes.





## Type 3 Photo Collection pt2.



Photos/JPEGs/IMG\_0129\_B.jpg



Photos/JPEGs/IMG\_0138\_E.jpg



Photos/JPEGs/IMG\_0143\_B.jpg



Photos/JPEGs/IMG\_0145\_B.jpg



Photos/JPEGs/IMG\_0150\_B.jpg



Photos/JPEGs/IMG\_0329\_C.jpg



Photos/JPEGs/IMG\_0331\_C.jpg



Photos/JPEGs/IMG\_0332\_C.jpg



Photos/JPEGs/IMG\_0338\_C.jpg



Photos/JPEGs/IMG\_0345\_C.jpg



Photos/JPEGs/IMG\_0347\_C.jpg



Photos/JPEGs/IMG\_0354\_C.jpg



Photos/JPEGs/IMG\_9967\_A.jpg



Photos/JPEGs/IMG\_9971\_A.jpg

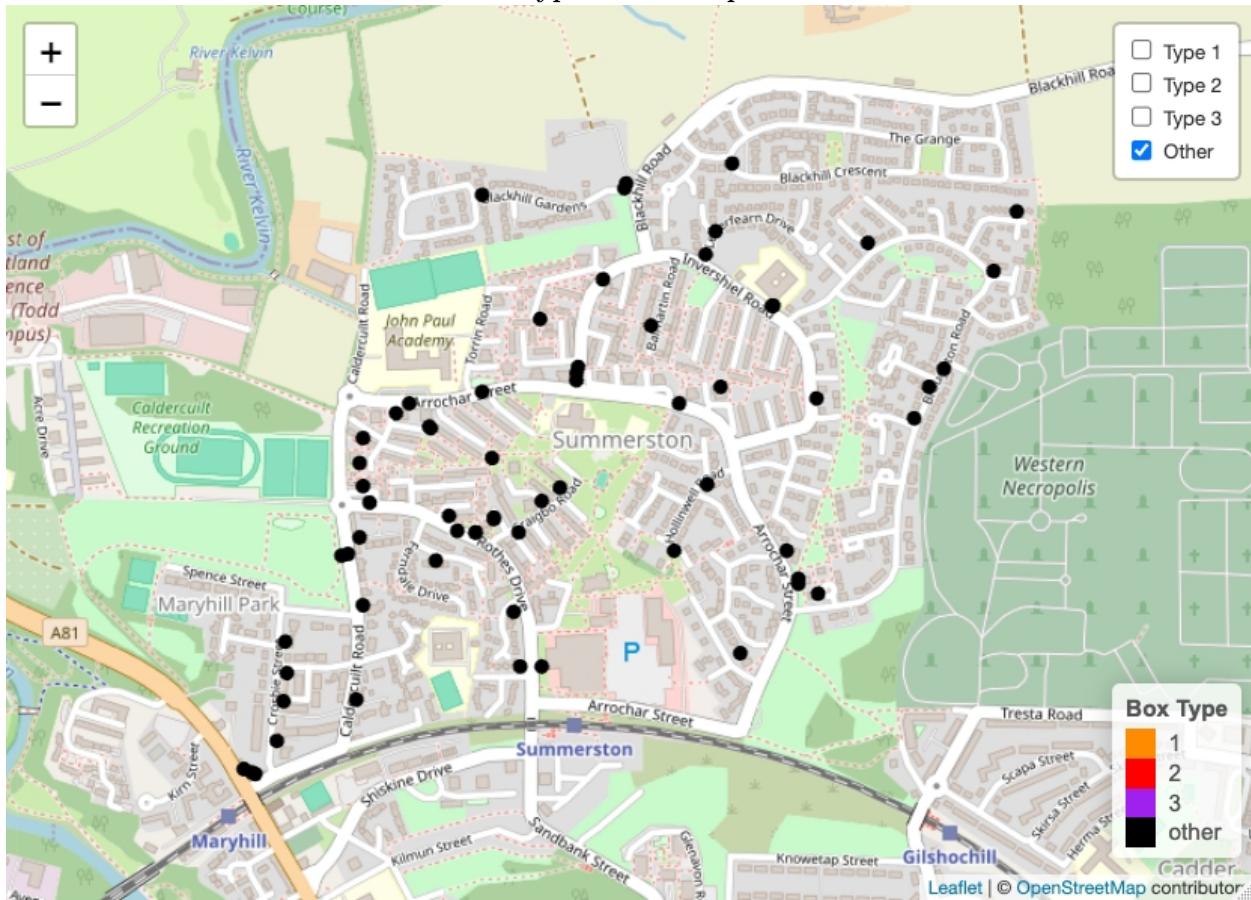


Photos/JPEGs/IMG\_9974\_A.jpg

## Box Type Other

The remaining boxes are several type and could be grouped again, but there are far fewer of any other types. The survey identified a total of 62 uncategorised boxes. The map below shows the locations.

Type Other Map



## Type Other Photo Collection pt1.



Photos/JPEGs/IMG\_0038\_D.jpg



Photos/JPEGs/IMG\_0041\_D.jpg



Photos/JPEGs/IMG\_0042\_D.jpg



Photos/JPEGs/IMG\_0043\_D.jpg



Photos/JPEGs/IMG\_0044\_D.jpg



Photos/JPEGs/IMG\_0045\_D.jpg



Photos/JPEGs/IMG\_0047\_D.jpg



Photos/JPEGs/IMG\_0049\_D.jpg



Photos/JPEGs/IMG\_0053\_D.jpg



Photos/JPEGs/IMG\_0061\_D.jpg



Photos/JPEGs/IMG\_0063\_D.jpg



Photos/JPEGs/IMG\_0064\_D.jpg



Photos/JPEGs/IMG\_0072\_D.jpg



Photos/JPEGs/IMG\_0073\_D.jpg



Photos/JPEGs/IMG\_0074\_D.jpg



Photos/JPEGs/IMG\_0080\_D.jpg



Photos/JPEGs/IMG\_0081\_D.jpg



Photos/JPEGs/IMG\_0083\_D.jpg



Photos/JPEGs/IMG\_0088\_D.jpg



Photos/JPEGs/IMG\_0091\_D.jpg

## Type Other Photo Collection pt2.



Photos/JPEGs/IMG\_0096\_D.jpg



Photos/JPEGs/IMG\_0102\_D.jpg



Photos/JPEGs/IMG\_0103\_D.jpg



Photos/JPEGs/IMG\_0107\_D.jpg



Photos/JPEGs/IMG\_0115\_D.jpg



Photos/JPEGs/IMG\_0117\_D.jpg



Photos/JPEGs/IMG\_0121\_B.jpg



Photos/JPEGs/IMG\_0121\_D.jpg



Photos/JPEGs/IMG\_0125\_B.jpg



Photos/JPEGs/IMG\_0128\_B.jpg



Photos/JPEGs/IMG\_0129\_E.jpg



Photos/JPEGs/IMG\_0131\_E.jpg



Photos/JPEGs/IMG\_0134\_E.jpg



Photos/JPEGs/IMG\_0134\_B.jpg



Photos/JPEGs/IMG\_0135\_B.jpg



Photos/JPEGs/IMG\_0135\_E.jpg



Photos/JPEGs/IMG\_0136\_B.jpg



Photos/JPEGs/IMG\_0137\_B.jpg



Photos/JPEGs/IMG\_0138\_B.jpg



Photos/JPEGs/IMG\_0139\_E.jpg

### Type Other Photo Collection pt3.



Photos/JPEGs/IMG\_0141\_E.jpg



Photos/JPEGs/IMG\_0142\_B.jpg



Photos/JPEGs/IMG\_0144\_E.jpg



Photos/JPEGs/IMG\_0144\_B.jpg



Photos/JPEGs/IMG\_0145\_E.jpg



Photos/JPEGs/IMG\_0147\_E.jpg



Photos/JPEGs/IMG\_0148\_B.jpg



Photos/JPEGs/IMG\_0325\_C.jpg



Photos/JPEGs/IMG\_0333\_C.jpg



Photos/JPEGs/IMG\_0339\_C.jpg



Photos/JPEGs/IMG\_0346\_C.jpg



Photos/JPEGs/IMG\_0350\_C.jpg



Photos/JPEGs/IMG\_0351\_C.jpg



Photos/JPEGs/IMG\_0352\_C.jpg



Photos/JPEGs/IMG\_9963\_A.jpg



Photos/JPEGs/IMG\_9965\_A.jpg



Photos/JPEGs/IMG\_9966\_A.jpg



Photos/JPEGs/IMG\_9970\_A.jpg



Photos/JPEGs/IMG\_9972\_A.jpg



Photos/JPEGs/IMG\_9978\_A.jpg

## Type Other Photo Collection pt4.



Photos/JPEGs/IMG\_9960\_A.jpg



Photos/JPEGs/IMG\_9962\_A.jpg

## Photo Collections

Original photo collections from the survey runs are available on the following links. They were taken on 5 different days in 2024, labelled A-E:

- A - 26th Aug 2024 - <https://photos.app.goo.gl/gpSXNtnQwtsQeAxs9>
- B - 19th Sep 2024 - <https://photos.app.goo.gl/ydWT5oPZv2SJ3KAP6>
- C - 27th Oct 2024 - <https://photos.app.goo.gl/UpsRWgwgCLHWXKH6>
- D - 1st Jan 2025 - <https://photos.app.goo.gl/SXkrE4S8KmL93FKK9>
- E - 3rd Jan 2025 - <https://photos.app.goo.gl/3Q187LwnFb5Gc7tf6>

## Survey Coverage

The GPS tracks of the survey runs are shown below. The 5 survey runs covered a total of 19.68km.

Survey Coverage Map



Please contact the author if any additional information is required or if there are any access issues.