



Brackenwood  
Portishead  
Aerial Tree Assessment

Prepared by: Adam Young



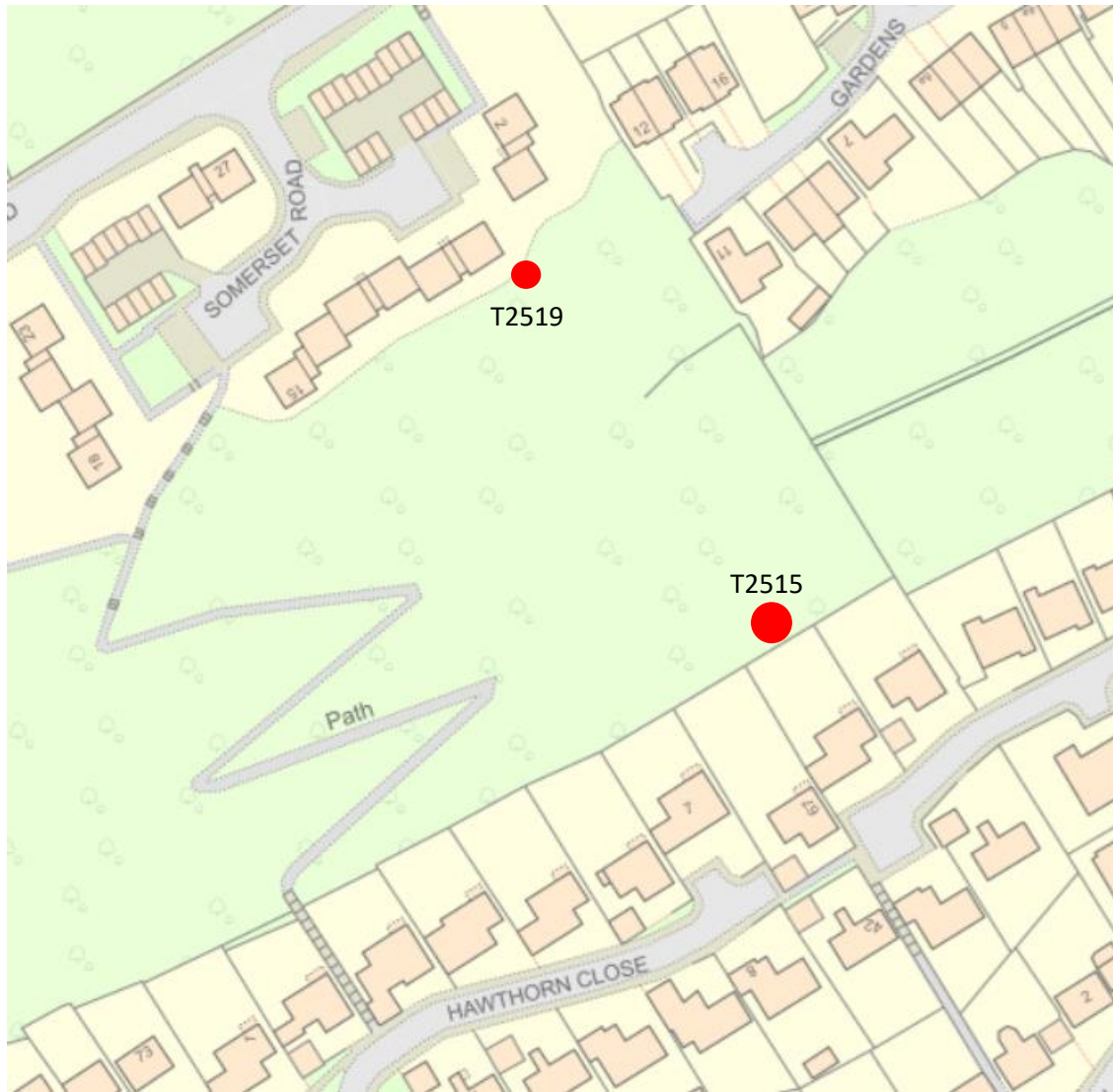
Origin Arb Ltd was commissioned by Portishead town council to undertake an aerial tree assessment of two trees within the Brackenwood site on the 25<sup>th</sup> October 2023. An aerial tree assessment was then undertaken on the 17<sup>th</sup> November 2023. The aerial assessment was undertaken by class 2 licenced bat ecologist Adam Young (2015-17101 class 2 bat licence) assisted by Fred Mead.

The aerial assessment was undertaken with the use of rope and harness with survey equipment such as an endoscope, torch, tablet and Haglof laser. The data collected was inputted within our data collection spreadsheet with relevant photos taken of each feature surveyed. The endoscope was used to inspect the internal substrate of each feature and to identify if any bats or signs of bats is present.

The two trees surveyed were T2515 and T2519. T2515 is a mature ash tree located at the southern boundary of the woodland, and has basal decay which extends up to 1.2 m from ground level. The decay has created cavities within the substrate which are large enough to allow for bats to ingress. The cavity extends upwards for 40cm with an ingress point of 15x10cm. The internal substrate has a high humidity level of 75% however this is most likely caused by the recent wet weather the area has been experiencing. There is also a second feature located at 3m on the main stem in the form of a frost crack, which offers a small crevice which extends 5cm up. T2515 has a low potential to support a bat roost and would require an internal inspection of the features prior to undertaking any works. This is to be carried out by or under the supervision of a class 2 licenced bat ecologist.

T2519 is a mature cherry tree located north of the main access gate off Brackenwood Gardens. T2519 has extensive deadwood present throughout the crown, with a large cavity located at 4m on the main stem. The cavity contains a cavity which extends upwards for 18cm with an ingress point of 11x15cm. There is an active squirrel drey located at the base of the feature. T2519 has a moderate potential to support a bat roost and requires a pre-works inspection prior to any tree works being undertaken. This is to be carried out by or under the supervision of a class 2 licenced bat ecologist.





|   |                                |                       |                                  |                      |                             |
|---|--------------------------------|-----------------------|----------------------------------|----------------------|-----------------------------|
| Tag Number  | 2515                           | PRF Info:             | PRF Ref:                         | A                    | B                           |
| Grid ref.   | ST4485376123                   |                       | PRF Type                         | basal cavity         | frost crack                 |
| Species   | common ash                     |                       |                                  |                      |                             |
| Age   | Mature                         | Location:             | Location on Tree:                | Base                 | Trunk                       |
| Height  | 26                             |                       | Height m:                        | 0.2                  | 3                           |
| Condition   | live - Light Fungus or Disease |                       | Aspect PRF Faces:                | East                 | South                       |
| Ladder Inspection   | Yes                            |                       | Direction PRF Faces:             | Down                 | Down                        |
| Fully Inspected   | Yes                            |                       |                                  |                      |                             |
| Bat Potential   | Low                            | External:             | External Height cm:              | 15                   | 10                          |
| Recommendation (Highest Severity)   | 1- Preworks Insp.              |                       | External Width cm:               | 10                   | 1                           |
| Features are listed A-Z and have a severity rating from 0 - 6. The highest feature severity rating can be viewed on the summary page. |                                | Internal:             | Depth - Entrance to rear cm:     | 10                   | 5                           |
|   |                                |                       | Height - Towards Stem cm:        | 40                   | 5                           |
|   |                                |                       | Drop - Away from Stem cm:        | na                   | 3                           |
|   |                                |                       | Diameter - Widest Point cm:      | 5                    | 2                           |
|   |                                |                       | Direction Apex Shape:            | dome                 | dome                        |
|   |                                | Substrate:            | Cleanliness:                     | 4- Moderate Debris   | 4- Moderate Debris          |
|   |                                |                       | Smoothness:                      | 4- Moderately Rough  | 4- Moderately Rough         |
|   |                                |                       | Humidity:                        | 75%                  | 100%                        |
|   |                                |                       | Security:                        | 3- Moderately Secure | 3- Moderately Secure        |
|   |                                |                       | Exposure:                        | 3- Partial Exposure  | 3- Partial Exposure         |
|   |                                |                       | Overall:                         | 4- Poor              | 4- Poor                     |
|   |                                | Competitors:          | Competitor 1:                    | Spiders              | Slugs                       |
|   |                                |                       | Competitor 2:                    |                      |                             |
|   |                                |                       | Competitor 3:                    |                      |                             |
|   |                                |                       | Competitor 4:                    |                      |                             |
|   |                                | Evidence:             | Bat Species:                     |                      |                             |
|   |                                |                       | Number of Droppings:             |                      |                             |
|   |                                |                       | Number of Bats:                  |                      |                             |
|   |                                |                       | Alertness:                       |                      |                             |
|   |                                |                       | Distance from Entrance cm:       |                      |                             |
|   |                                | Potential Roost Type: |                                  |                      |                             |
|   |                                | Relevant Info:        | PRF Unseen from Ground:          |                      |                             |
|   |                                |                       | Unsuitable Dusk/Dawn:            |                      |                             |
|   |                                |                       | Inspect with Torch / Binoculars: |                      |                             |
|   |                                |                       | Inspect with Ladder:             |                      |                             |
|   |                                | Bat Limitations:      | Inspect from Ground:             |                      |                             |
|   |                                |                       | Heavy Disturbance:               |                      |                             |
|   |                                |                       | Major Competitor Present:        |                      |                             |
|   |                                |                       | Cluttered Drop Zone:             |                      |                             |
|   |                                |                       | Sub-optimal Habitat:             |                      |                             |
|   |                                | Assessment:           | % of Inspection:                 | 100%                 | 100%                        |
|   |                                |                       | PRF Potential:                   | Low                  | Low                         |
|   |                                |                       | Recommendation:                  | 1- Preworks Insp.    | 1- Preworks Insp.           |
|   |                                | PRF Notes:            | Can be found on each PRF A-Z     | very dusty substrate | very damp substrate. sludge |



|   |                     |                  |                                  |                               |
|---|---------------------|------------------|----------------------------------|-------------------------------|
| Tag Number  | 2519                | PRF Info:        | PRF Ref:                         | A                             |
| Grid ref.   | ST4480476188        |                  | PRF Type                         | stem cavity                   |
| Species   | cherry              |                  |                                  |                               |
| Age   | Mature              | Location:        | Location on Tree:                | Trunk                         |
| Height  | 12                  |                  | Height m:                        | 4                             |
| Condition   | Partially Dead      |                  | Aspect PRF Faces:                | South East                    |
| Ladder Inspection   | Yes                 |                  | Direction PRF Faces:             | Down                          |
| Fully Inspected   | Yes                 |                  |                                  |                               |
| Bat Potential   | Moderate            | External:        | External Height cm:              | 11                            |
| Recommendation (Highest Severity)   | 2 - Aerial Insp. xl |                  | External Width cm:               | 15                            |
| Features are listed A-Z and have a severity rating from 0 - 6. The highest feature severity rating can be viewed on the summary page. |                     |                  |                                  |                               |
|   |                     | Internal:        | Depth - Entrance to rear cm:     | na                            |
|   |                     |                  | Height - Towards Stem cm:        | 18                            |
|   |                     |                  | Drop - Away from Stem cm:        | na                            |
|   |                     |                  | Diameter - Widest Point cm:      | 13                            |
|   |                     |                  | Direction Apex Shape:            | chambered                     |
|   |                     | Substate:        | Cleanliness:                     | 4- Moderate Debris            |
|   |                     |                  | Smoothness:                      | 4- Moderately Rough           |
|   |                     |                  | Humidity:                        | 25%                           |
|   |                     |                  | Security:                        | 2- Partly Secure              |
|   |                     |                  | Exposure:                        | 3- Partial Exposure           |
|   |                     |                  | Overall:                         | 3- Moderate                   |
|   |                     | Competitors:     | Competitor 1:                    | Squirrel                      |
|   |                     |                  | Competitor 2:                    | Spiders                       |
|   |                     |                  | Competitor 3:                    |                               |
|   |                     |                  | Competitor 4:                    |                               |
|   |                     | Evidence:        | Bat Species:                     |                               |
|   |                     |                  | Number of Droppings:             |                               |
|   |                     |                  | Number of Bats:                  |                               |
|   |                     |                  | Alertness:                       |                               |
|   |                     |                  | Distance from Entrance cm:       |                               |
|   |                     |                  | Potential Roost Type:            |                               |
|   |                     | Relevant Info:   | PRF Unseen from Ground:          |                               |
|   |                     |                  | Unsuitable Dusk/Dawn:            |                               |
|   |                     |                  | Inspect with Torch / Binoculars: |                               |
|   |                     |                  | Inspect with Ladder:             |                               |
|   |                     |                  | Inspect from Ground:             |                               |
|   |                     | Bat Limitations: | Heavy Disturbance:               |                               |
|   |                     |                  | Major Competitor Present:        |                               |
|   |                     |                  | Cluttered Drop Zone:             |                               |
|   |                     |                  | Sub-optimal Habitat:             |                               |
|   |                     | Assessment:      | % of Inspection:                 | 100%                          |
|   |                     |                  | PRF Potential:                   | Moderate                      |
|   |                     |                  | Recommendation:                  | 1- Preworks Insp.             |
|   |                     | PRF Notes:       | Can be found on each PRF A-Z     | Squirrel drey present at base |
|   |                     |                  |                                  |                               |



Appendix A



T2515



Feature A





Feature B





T2519



Feature A

