

FIVE ESTUARIES OFFSHORE WIND FARM

VOLUME 6, PART 6, ANNEX 4.8: ROOSTING BATS TREE SURVEY REPORT: SOUTH OF A120

Application Reference
Application Document Number
Revision

APFP Regulation: Date

6.6.4.8 A 5(2)(a) March 2024

EN010115



Project	Five Estuaries Offshore Wind Farm
Sub-Project or Package	Environmental Statement
Document Title	Roosting Bats Tree Survey Report: South of
	A120
Application Document Number	6.6.4.8
Revision	A
APFP Regulation	5(2)(a)
Document Reference	005024254-01

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Revision	Date	Status/Reason for Issue	Originator	Checked	Approved
A	Mar 2024	Environmental Statement	SLR/RHDHV	GoBe	VEOWFL





Roosting Bats Tree Survey

Five Estuaries
Offshore Wind
Farm Ltd

January 2023



Status	Name	Date
Draft	Dominic Bowyer ACIEEM	18/01/2023
Rev 1	Gavin Mullan BA (Hons) MCIEEM	31/01/2023
Rev 2	Gavin Mullan BA (Hons) MCIEEM	13/02/2023
Rev 3	Janine McMahon BSc (Hons) ACIEEM	12/04/2023
Rev 4	Janine McMahon BSc (Hons) ACIEEM	17/05/2023

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EXECUTIVE SUMMARY

Ecology Resources Limited was commissioned by Royal HaskoningDHV on behalf of Five Estuaries Offshore Wind Farm Limited (VE OWFL), to undertake Ground Level Tree Assessments (GLTA) for bat roost potential and Bat presence/absence surveys on suitable trees within the Five Estuaries Offshore Wind Farm (VE) onshore project area.

621 trees and nineteen woodland blocks within the Five Estuaries onshore project area were subject to an updated ground assessment of trees. After RLB revisions, 96 trees were descoped leaving 525 trees within the survey area which includes the 100m buffer.

Within the exclusion zones identified by the project engineers, 18 of the trees were assessed as moderate and 11 were assessed as having high potential to support roosting bats.

Within the red line boundary alone 64 trees were assessed as having moderate potential and 28 assessed as high potential. 404 were classified as having negligible or low potential.

Six trees were confirmed as having bat roosts.

A single tree within the exclusion zone was also identified as confirmed as having a bat roost following presence/ absence surveys conducted as part of an adjacent project's scope of works.

Twenty woodlands were to be assessed however due to access restrictions only 19 was possible, six of the woodland blocks were classified as having moderate potential, nine low potential and four negligible potential.

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1. INTRODUCTION

Ecology Resources Limited was commissioned by Royal HaskoningDHV on behalf of Five Estuaries Offshore Wind Farm Limited (VE OWFL), to undertake Ground Level Tree Assessments (GLTA) for bat roost potential and bat presence/absence surveys on suitable trees within the Five Estuaries Offshore Wind Farm (VE) onshore project area.

1.1 Project background and site context

VE is a proposed extension to the operational Galloper Offshore Wind Farm (OWF) which consists of 56 wind turbine generators (WTGs). The Five Estuaries will comprise up to 79 WTGs situated within two array areas to the east of the operational Galloper OWF. The array areas will be located approximately 30km off the coast of Suffolk, England.

Cables will connect the turbines to the offshore substation platforms and then export the power generated to shore. It is expected that there will be a number of inter-array cables, up to four export cables and up to two offshore substations platforms.

A landfall area has been identified between Holland-on Sea and Frinton-on-Sea on the Essex coast. The landfall point is yet to be determined but will be located within this area of coastline. A new VE onshore substation will be needed and will be constructed in an area to the north of the A120.

The VE cables will be installed underground between the landfall and the grid connection point north of the A120. A preferred corridor has not yet been determined with several corridors still under consideration at the time of writing. Potential substation land parcels and associated corridor options north of the A120 also remain under review at the time of writing.

A more detailed description of the project, several elements of which have yet to be finalised at this time, will be provided in the PEIR and ES in due course.

SLR Consulting had previously completed a PEA¹ of the onshore project area and identified trees that required further survey effort, recommending ground level assessments, close inspections at height of trees with moderate or high suitability to support roosting bats following the ground assessments and presence/absence surveys of those trees which are confirmed as having moderate or high suitability following the close inspection.

Over 1600 trees within the red line boundary (RLB) and the 100m buffer were identified in the PEA as needing ground level assessments. Due to the volume, it was agreed that any new trees on site that were not already identified within the dataset and were deemed to be of moderate or high potential would be recorded as incidental finds.

Any new trees deemed low or negligible would not be recorded and mapped to keep the dataset from being overloaded, and therefore do not show in any results tables or mapping, i.e. the triangular woodland north of Bradley Hall, the line of trees north of Swan Road, and the line of trees south of Stones Green Road.

 $^{^{\}mathrm{1}}$ 220422 404.05356.00010 Five Estuaries PEA V3 FINAL DRAFT. SLR Consulting.

In an attempt to reduce the survey effort to only those trees where further survey i.e. presence/absence was essential, exclusion zones were identified by RWE Renewables UK (RWE) engineers, where no development works would be taking place. Trees within the exclusion zones were subject to ground level assessments only, regardless of the outcome of the ground assessment.

During the survey season, instruction was provided to undertake the at height close inspections of trees with moderate or high suitability, at which point the surveys had already commenced and some of the trees that required at height close inspections had already had their first dusk or dawn survey undertaken.

Given the late timing of the instruction of the at height inspections and resource requirements to fulfil this element of works, a decision was made by RWE after consultation from Ecology Resources and RHDHV, to not proceed with the at height inspections and continue with the emergence and reentry surveys, given the volume of trees and timescales involved.

At this point, to also maintain timescales, the ground assessments of trees within the exclusion zones and within the 100m buffer were also halted, hence some of these trees have null data. Trees that were already subject to a ground assessment within the 100m buffer continued to have emergence/re-entry surveys conducted on them.

It should be noted that during the 2022 survey season, the RLB provided by VE underwent multiple revisions. The finalised RLB of the development was provided to Ecology Resources on the 12th of August 2022 after all initial surveys had been completed.

Since instruction was to survey trees within the RLB and 100m buffer in use at that time, when the final revision was released, it resulted in a total of six trees (located northwest of Great Holland Pits, grid reference TM198198) that were outside the survey area, to now appear within scope (three within the 100m buffer and three within the RLB alone), thus missing data.

In addition to conducting ground level assessments of individual trees, preliminary assessments on woodland blocks within the onshore development area were undertaken to identify the overall likelihood of potential roost features being present within them.

1.2 Scope

The surveys undertaken by Ecology Resources and detailed in this report aimed to determine the presence or evaluate the likelihood of the presence of roosting bats, and to gain an understanding of how bats could be utilizing the trees surveyed. To achieve this, the following steps have been taken:

- A Preliminary Ground Level Roost Assessment of 615 trees within the onshore scoping area was undertaken, identifying any potential roost features (PRFs) that were present.
- Ninety-three trees were assessed as having moderate or high potential to support roosting bats. Bat presence/absence surveys were undertaken on these trees to determine if bats were using them to roost within and to gain an understanding of how they use the site.
- A preliminary assessment of twenty woodland blocks identifying the overall likelihood of potential roost features being present were to be assessed, however due to access restrictions 19 were assessed.

This report details the scope, methodology and findings of ground level assessments and bat presence/absence surveys conducted on suitable trees within the onshore scoping area, and forms part of this suite of Phase 2 surveys.

1.3 Legislation

All 18 British bat species are protected under the Wildlife and Countryside Act 1981 (as amended) and Annex IV of the EU Habitats Directive, which is transcribed into UK law as the Conservation of Habitats and Species Regulations 2017 (as amended). The combined effect of the legislation makes it an offence to:

- deliberately capture, injure or kill a bat;
- deliberately disturb a bat, in such a way as to be likely to:
 - o impair their ability:
 - to survive, breed or reproduce or rear or nurture their young; or
 - to hibernate or migrate;
 - o significantly affect the local distribution or abundance of that bat species;
- damage or destroy a breeding site or resting place of any bat;
- intentionally or recklessly disturb a bat while it is occupying a structure or place that it uses for shelter or protection; or
- intentionally or recklessly obstruct access to any place that a bat uses for shelter or protection (this is taken to mean all bat roosts whether bats are present or not).

Four British bat species are additionally listed on Annex II of the EU Habitats Directive, which designates core areas of their habitat as Special Areas of Conservation. These must be protected under the Natura 2000 Network and the sites managed in accordance with the ecological requirements of the species. These species are:

- greater horseshoe bat Rhinolophus ferrumequinum;
- lesser horseshoe bat Rhinolophus hipposideros;
- barbastelle Barbastella barbastellus; and
- Bechstein's bat Myotis bechsteinii.

2. METHODOLOGY

2.1 Ground Level Tree Assessment (GLTA) and Preliminary Assessment of Woodland

GLTA

In line with best practice guidelines Bat Surveys for Professional Ecologists; Good Practice Guidelines Collins (2016), the GLTA surveys were led by trained competent ecologists with several years of undertaking GLTA's, Johnnie Johnson bat Level 1 Class Licence 2021-52167-CLS-CLS, Chloe Marzuoli bat Level 1 Class Licence 2021-10078-CL17 and Patrick Davies with 8 years of professional consultancy experience. As these works were non-intrusive assessments a Natural England Class licence was not required.

A non-intrusive visual appraisal was undertaken from the ground using binoculars, inspecting the external features of the tree for signs of bat use. The surveyor paid close attention to any tree features where droppings may collect and the ground below these.

Features on trees that were considered to provide suitable roost sites for bats include, but are not limited to, the following:

- Natural holes (e.g., knot holes) arising from naturally shed branches or branches previously pruned back to a branch collar.
- Man-made holes (e.g., cavities that have developed from flush cuts or cavities created by branches tearing out from parent stems).
- Woodpecker holes.
- Cracks/splits in stems or branches (horizontal and vertical).
- Partially detached, loose or bark plates.
- Cankers (caused by localised bark death) in which cavities have developed.
- Other hollows or cavities, including butt rots.
- Compression of forks with included bark, forming potential cavities.
- Crossing stems or branches with suitable roosting space between.
- Ivy stems with diameters greater than 50mm with suitable roosting space behind (or where roosting space can be seen where a mat of thinner stems has left a gap between the mat and the trunk).
- Bat or bird boxes.

All survey features on site were categorised according to the likelihood of bats being present, in line with best practice guidelines (Collins, 2016). Tree features that dictate the likelihood of roosting bats are summarised in Table 1 below. Roost suitability is classified in Table 1 below.

Preliminary Assessment of Woodland

In order to provide a preliminary assessment of bat potential in prescribed woodland blocks, the methodology above was applied however rather than individual trees being classified according to their roost potential, the entire woodland was provided a preliminary assessment.

After systematically reviewing each tree as above, surveyors then estimated the number of trees present that were above 10cm in diameter at breast height (DBH) within each woodland block.

Following this, the surveyors then estimated the percentage of trees containing a PRF of any kind and based on this the woodlands were then given an overall preliminary assessment of the likelihood of roosts being present and score Negligible, Low, Moderate, High or Confirmed.

Table 1: Guidelines for assessing the potential suitability of proposed development sites for bats (Collins, 2016)

Suitability	Roosting habitats	Commuting and foraging habitats
Negligible	Negligible habitat features on site likely to be used by roosting bats.	Negligible habitat features on site likely to be used by commuting or foraging bats.
Low	A structure with one or more potential roost sites that could be used by individual bats opportunistically. However, these potential roost sites do not provide enough space, shelter, protection, appropriate conditions ² and/or suitable surrounding habitat to be used on a regular basis or by larger numbers of bats (i.e., unlikely to be suitable for maternity or hibernation). A tree of sufficient size and age to contain PRFs but with none seen from the ground or features seen with only very limited roosting potential.	Habitat that could be used by small numbers of commuting bats such as a gappy hedgerow or unvegetated stream, but isolated, i.e. not very well connected to the surrounding landscape by other habitats. Suitable, but isolated habitat that could be used by small numbers of foraging bats such as a lone tree (not in a parkland situation) or a patch of scrub.
Moderate	A structure or tree with one or more potential roost sites that could be used by bats due to their size, shelter, protection, conditions and surrounding habitat but unlikely to support a roost of high conservation status (with respect to roost type only – the assessments in this table are made irrespective of species conservation status, which is established after presence is confirmed). A tree with one or more potential roost sites that could be used by bats due to their size, shelter, protection, conditions and surrounding habitat but unlikely to support a roost of high conservation status (with respect to roost type only – the assessments in this table are made irrespective of species conservation status, which is established after presence is confirmed).	Continuous habitat connected to the wider landscape that could be used by bats for commuting such as lines of trees and scrub or linked back gardens. Habitat that is connected to the wider landscape that could be used by bats for foraging such as trees, scrub, grassland or water.
High	A structure with one or more potential roost sites that are obviously suitable for use by larger numbers of bats on a more regular basis and potentially for longer periods of time due to their	Continuous, high-quality habitat that is well connected to the wider landscape that is likely to be used regularly by commuting bats such as river valleys,

size, shelter, protection, conditions and surrounding habitat.

A tree with one or more potential roost sites that are obviously suitable for use by larger numbers of bats on a more regular basis and potentially for longer periods of time due to their size, shelter, protection, conditions and surrounding habitat.

streams, hedgerows, lines of trees and woodland edge.

High-quality habitat that is well connected to the wider landscape that is likely to be used regularly by foraging bats such as broadleaved woodland, tree-lined watercourses and grazed parkland.

Site is close to and connected to known roosts.

2.2 Bat Presence/Absence Surveys (dusk emergence and dawn re-entry)

Presence/ absence surveys were completed by experienced bat surveyors in accordance with the Bat Conservation Trust (2016) guidelines in suitable weather conditions. Trees classified as having moderate potential to support roosting bats had two surveys completed, one dusk (emergence) survey and one dawn (re-entry) survey. Trees classified as having high potential had three surveys completed, either two dusk (emergence) surveys and one dawn (re-entry) survey) or one dusk and two dawn.

Dusk emergence surveys were conducted from 15 minutes before sunset and concluded 1.5 hours after the sunset time. Dawn re-entry surveys began at 1.5 hours before sunrise and ended 15 minutes after the sun had risen. Bat surveyors were placed strategically to provide the best view of potential roost features most likely in use by bats.

Detectors used by surveyors for bat identification were EchoMeter® Touch 2 pro (heterodyne, time expansion) bat detectors connected to Samsung® tablets. Where possible, species were identified from contacts, and if the bat was seen, visual cues were used to aid identification. All bat emergence, passes and contacts were recorded on to field maps.

In addition, Pulsar Helion 2 infra-red cameras were deployed on each survey to record the tree throughout the duration of each survey. The video files were then analysed post-survey and any bat emergence or re-entries noted given the large file size of the video footage only recordings of confirmed presence were kept.

Sound analysis was conducted on recorded bat calls by competent personnel, using kaleidoscope pro computer software to confirm and enable species identification. All sound files were initially subject to "auto ID" and then subsequently 10% of these calls and those bats considered to be rare in Essex were subject to manual identification also.

Field survey personnel

All surveys were led by suitably trained and competent ecologists primarily Johnnie Johnson Level 1 Class Licence 2021-52167-CLS and supported by

- Chloe Marzuoli bat Level 1 Class Licence 2021-10078-CL17,
- Beth Hunt bat Level 1 Class Licence 2021-51424-CLS-CLS
- John Lynch Level 1 Class Licence 2021-52824-CLS-CLS
- Hattie Taylor 8 seasons of bat surveys

• Patrick Hennessy 8 seasons of bat surveys

The remainder of the survey team consisted of ecologist with varied survey experience within consultancy. All the surveyors that assisted in the delivery of the surveys were suitably experienced and qualified ecologists and are either members of the Chartered Institute of Ecology and Environmental Mangers (CIEEM) or adhere to CIEEM's professional Code of Conduct.

- Alex Sheppard
- Ben Millington-Jones
- Ben Turner
- Clare Peto
- Dan Butlin
- Francesca Auston
- Ian Devereux
- Jo Dent
- Josh Smith
- Marcus Honour
- Mark Lovell
- Patrick Hennessy
- Ross Lane
- Stephen Treadwell
- Rich Erskine

2.3 Survey Limitations

Access restrictions (refusal by landowner) prevented the preliminary assessment of woodland block 16 and the completion of emergence/re-entry surveys on tree 2935, even though prior access was given to conduct the preliminary ground assessment.

A total of six trees located northwest of Great Holland Pits (Grid Reference TM198198) have no data, because at the time of surveying they were not within the RLB or 100m buffer, however since the final revision was released they now fall inside the boundary (three within the 100m buffer and three within the RLB alone).

3. RESULTS

3.1 Ground Level Tree Assessments (Figures 1.1-1.14)

Of the 1600+ trees, 1204 fall within the final survey area (including 100m buffer); 379 trees within the RLB alone.

A total of 621 trees were subject to a preliminary ground assessment for bat potential within the VE onshore project's RLB and 100m buffer current at that time. 96 trees were then descoped from the final RLB, included in this are moderate trees 94 and 96 which had already received their first dusk emergence survey.

525 trees subjected to ground assessments remained within the survey area (317 within the RLB alone). 62 of these 525 trees were located within the exclusion zones; 18 trees were assessed as moderate and 11 were assessed as having high potential to support roosting bats, see Table 2 below.

The remaining 679 trees within the survey area were not subjected to ground assessments due to instruction given to stop surveying within exclusion zones and the 100m buffer current at that time. Only 59 of these 679 trees within exclusion zones are found within the RLB alone. A further six trees that were outside the survey area at the time of the ground level assessments, are now found within scope since the final RLB revisions and lack data (three are within the 100m buffer and 3 are within the RLB).

Table 2: Ground Level Tree Assessment results of Moderate and High potential trees within exclusion zones

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	x	Y	PRFs present	Overall tree assessment
15	20/06/2022	C. Marzuoli	Willow sp. Salix sp.	20	0.8	621594	218969	Woodpecker hole	High
17	20/06/2022	C. Marzuoli	Willow sp.	20	1.1	621575	218995	Large hollow, Woodpecker hole	High
18	20/06/2022	C. Marzuoli	Pedunculate Oak Quercus robur	10	0.3	621557	219015	Other, Woodpecker hole	High
5	20/06/2022	C. Marzuoli	Willow sp.	12	0.5	622483	218489	Crack/split, Rot hole	High
9	20/06/2022	C. Marzuoli	Willow sp.	17	1	622545	218515	Crack/split	High
99254	09/06/20233	P. Davies	Pedunculate Oak	30	1	616882	223926	Crack/split, lifted bark, woodpecker hole	High
99255	23/06/2022	P. Davies	Pedunculate Oak	25	0.6	616888	223930	Crack/split, large hollow	High
99256	23/06/2022	P. Davies	Pedunculate Oak	25	0.6	616853	223942	Large hollow, Rot hole, Woodpecker hole	High
99257	09/06/2022	P. Davies	Pedunculate Oak	25	0.6	616840	223945	Tear out, Woodpecker hole	High

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	Х	Y	PRFs present	Overall tree assessment
99460	07/06/2022	P. Davies	Pedunculate Oak	40	2.2	611688	227790	Dense ivy	High
109928	20/06/2022	C. Marzuoli	Willow sp.	15	0.8	622523	218504	Branch end cavity/cracks, Crack/split, lifted bark, Rot hole	High
1954	20/06/2022	R. Lane	Poplar sp. Populus sp.	15	0.4	620538	219753	Dense Ivy, lifted bark, Other, Tear out	Moderate
334	09/06/2022	P. Davies	Pedunculate Oak	30	1	616861	223934	Crack/split, other	Moderate
6	20/06/2022	C. Marzuoli	Willow sp.	12	0.2	622499	218493	Branch end cavity/cracks, large hollow	Moderate
6316	20/06/2022	R. Lane	Willow sp.	7	0.4	621139	217646	Other	Moderate
6318	20/06/2022	R. Lane	Willow sp.	6	0.3	621129	217641	Crack/split, lifted bark	Moderate
6319	20/06/2022	R. Lane	Willow sp.	7	0.2	621128	217636	Crack/split, lifted bark	Moderate
6320	20/06/2022	R. Lane	Willow sp.	6	0.3	621133	217637	Branch end cavity/cracks, crack/split	Moderate
6325	20/06/2022	R. Lane	Pedunculate Oak	7	1	621138	218560	Branch end cavity/cracks	Moderate
6326	20/06/2022	R. Lane	Pedunculate Oak	16	1	621145	218549	Branch end cavity/cracks, other	Moderate
6327	20/06/2022	R. Lane	Pedunculate Oak	6	0.8	621151	218537	Branch end cavity/cracks, lifted bark	Moderate
6328	20/06/2022	R. Lane	Pedunculate Oak	17	1.6	621167	218540	Branch end cavity/cracks, crack/split, lifted bark, rot hole	Moderate
6329	20/06/2022	R. Lane	Pedunculate Oak	18	1	621181	218544	Branch end cavity/cracks	Moderate
6339	20/06/2022	R. Lane	Pedunculate Oak	18	1	621202	218552	Branch end cavity/cracks, dense ivy	Moderate
99007	23/06/2022	P. Davies	Pedunculate Oak	15	0.6	621542	219028	Rot hole	Moderate
99252	09/06/2022	P. Davies	Pedunculate Oak	20	1	616950	223907	Lifted bark	Moderate

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	х	Y	PRFs present	Overall tree assessment
99327	23/06/2022	P. Davies	Willow sp.	25	0.6	622524	218506	Branch end cavity/cracks	Moderate
99390	12/06/2022	P. Davies	Pedunculate Oak	15	0.3	614887	225226	Crack/split	Moderate
99391	12/06/2022	P. Davies	Pedunculate Oak	30	1	614904	225266	Tear out	Moderate

Within the final RLB and 100m buffer, 64 trees were assessed as having moderate potential and 28 assessed as high potential, see Table 3. 489 trees in total were classified as having negligible or low potential, however, after the release of the final RLB revision, multiple trees were descoped leaving 404 trees of negligible or low potential. This includes any within exclusion zones. All results of low and negligible trees can be found in Table 5.1 Appendix A1.

Full PRF results of all trees including PRF IDs can be found in Table 5.2 Appendix A2.

Table 3: Ground Level Tree Assessment results of Moderate and High potential trees within the final red line boundary

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	х	Y	PRFs present	Overall tree assessment
153	13/06/2022	P. Davies	Pedunculate Oak	20	0.3	619377	222413	Woodpecker hole	High
1802	14/06/2022	P. Davies	Pedunculate Oak	30	1	618823	222949	Woodpecker hole	High
2189	08/06/2022	P. Davies	Ash Fraxinus excelsior	20	0.3	614198	226063	Woodpecker hole	High
247	01/06/2022	P. Davies	Ash	30	0.6	617547	223722	Other, Rot hole, tear out, woodpecker hole	High
2998	07/06/2022	P. Davies	Pedunculate Oak	40	1.9	611728	227769	Dense ivy	High
30	26/05/2022	J. Johnson	Pedunculate Oak	11	1.3	621330	218923	Rot hole, woodpecker hole	High
423	10/06/2022	P. Davies	Pedunculate Oak	25	0.6	614540	225904	Rot hole	High
425	10/06/2022	P. Davies	Pedunculate Oak	30	0.6	614557	225944	Rot hole	High

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	х	Y	PRFs present	Overall tree assessment
432	10/06/2022	P. Davies	Pedunculate Oak	25	1	614612	226042	Crack/split, lifted bark, other, woodpecker hole	High
47	22/06/2022	P. Davies	Poplar sp.	25	0.6	621090	218007	Woodpecker hole	High
5605	31/05/2022	P. Davies	Ash	30	0.6	618375	223167	Woodpecker hole	High
5607	31/05/2022	P. Davies	Pedunculate Oak	30	1.3	618373	223100	Lifted bark, rot hole, Woodpecker hole	High
5608	31/05/2022	P. Davies	Pedunculate Oak	25	0.6	618397	223088	Crack/split, Lifted bark, other, woodpecker hole	High
5610	31/05/2022	P. Davies	Pedunculate Oak	20	0.6	618424	223067	Other	High
5612	31/05/2022	P. Davies	Pedunculate Oak	30	1.3	618341	223072	Woodpecker hole	High
5626	31/05/2022	P. Davies	Pedunculate Oak	25	1	618475	222865	Lifted bark, other, woodpecker hole	High
271	01/06/2022	P. Davies	Ash	25	1.3	617346	223722	Rot hole, tear out, woodpecker hole	High
99137	25/05/2022	J. Johnson	Pedunculate Oak	12	0.6	619833	221027	Branch end cavity/cracks, other	High
99162	14/06/2022	P. Davies	Pedunculate Oak	30	0.6	618831	222946	Woodpecker hole	High
99172	17/06/2022	P. Davies	Willow sp.	35	1	618350	223133	Lifted bark, rot hole, woodpecker hole	High
99205	17/06/2022	P. Davies	Pedunculate Oak	30	1.6	617429	223494	Branch end cavity/cracks, rot hole	High
99210	11/06/2022	P. Davies	Pedunculate Oak	25	1	617266	223405	Crack/split, lifted bark, rot hole,	High

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	х	Y	PRFs present	Overall tree assessment
								woodpecker hole	
99211	11/06/2022	P. Davies	Pedunculate Oak	35	1	617241	223406	Woodpecker hole	High
99213	11/06/2022	P. Davies	Pedunculate Oak	35	1.6	617311	223474	Lifted bark, rot hole, woodpecker hole	High
99215	11/06/2022	P. Davies	Ash	30	1	617339	223511	Woodpecker hole	High
99248	10/06/2022	P. Davies	Pedunculate Oak	35	1	616292	223747	Dense ivy	High
99388	12/06/2022	P. Davies	Pedunculate Oak	20	0.6	614926	225174	Branch end cavity/cracks, crack/split, large hollow	High
10992	16/06/2022	P. Davies	Ash	25	0.1	614529	225899	Other, woodpecker hole	High
102	25/05/2022	J. Johnson	Pedunculate Oak	9	0.6	619983	220164	Crack/split	Moderate
112	25/05/2022	J. Johnson	Pedunculate Oak	11	0.3	619934	221016	Other	Moderate
117	25/05/2022	J. Johnson	Pedunculate Oak	8	1	619706	221103	Crack/split, other	Moderate
118	25/05/2022	J. Johnson	Pedunculate Oak	7	0.3	619701	221125	Lifted bark, other, rot hole	Moderate
119	25/05/2022	J. Johnson	Pedunculate Oak	8	1.9	619690	221158	Rot hole, tear out	Moderate
123	26/05/2022	J. Johnson	Pedunculate Oak	10	1	620006	221527	Rot hole	Moderate
125	26/05/2022	J. Johnson	Pedunculate Oak	11	1.6	620048	221523	Crack/split	Moderate
126	26/05/2022	J. Johnson	Ash	11	1.3	620061	221521	Rot hole	Moderate
128	26/05/2022	J. Johnson	Pedunculate Oak	13	1	619834	221662	Dense ivy	Moderate
129	26/05/2022	J. Johnson	Pedunculate Oak	8	0.3	619859	221677	Crack/split, other	Moderate

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	x	Y	PRFs present	Overall tree assessment
136	26/05/2022	J. Johnson	Pedunculate Oak	9	0.6	619677	222025	Crack/split, other, tear out	Moderate
1665	10/06/2022	P. Davies	Pedunculate Oak	25	1	616792	223344	Crack/split, other	Moderate
1670	09/06/2022	P. Davies	Pedunculate Oak	15	0.6	616874	223413	Lifted bark, other, tear out	Moderate
1733	25/05/2022	J. Johnson	Pedunculate Oak	13	1.9	619922	220168	Crack/split, large hollow, other, rot hole	Moderate
1739	25/05/2022	J. Johnson	Pedunculate Oak	12	1	619603	221216	Crack/split, woodpecker hole	Moderate
1746	11/06/2022	P. Davies	Pedunculate Oak	30	0.6	617277	223395	Dense ivy	Moderate
1750	01/06/2022	P. Davies	Pedunculate Oak	10	1	617358	223363	Crack/split, lifted bark, rot hole	Moderate
1751	01/06/2022	P. Davies	Willow sp.	30	1	617362	223372	Lifted bark	Moderate
1752	01/06/2022	P. Davies	Pedunculate Oak	30	0.6	617375	223389	Crack/split, dense ivy	Moderate
2008	26/05/2022	J. Johnson	Pedunculate Oak	12	1.6	620115	221499	Crack/split, tear out	Moderate
23	26/05/2022	J. Johnson	Pedunculate Oak	11	1	621300	218813	Crack/split, woodpecker hole	Moderate
25	26/05/2022	J. Johnson	Pedunculate Oak	13	1	621218	218793	Other	Moderate
26	26/05/2022	J. Johnson	Pedunculate Oak	12	1	621204	218790	Other	Moderate
27	26/05/2022	J. Johnson	Pedunculate Oak	11	0.6	621325	218858	Dense ivy	Moderate
29	26/05/2022	J. Johnson	Pedunculate Oak	8	1	621329	218913	Rot hole	Moderate
2965	07/06/2022	P. Davies	Pedunculate Oak	20	0.6	612334	227953	Crack/split, large hollow, rot hole	Moderate

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	x	Y	PRFs present	Overall tree assessment
31	26/05/2022	J. Johnson	Pedunculate Oak	8	1	621322	219027	Dense ivy	Moderate
401	12/06/2022	P. Davies	Pedunculate Oak	25	0.6	615766	224586	Crack/split	Moderate
448	08/06/2022	P. Davies	Pedunculate Oak	15	0.3	614251	226227	Other, woodpecker hole	Moderate
450	08/06/2022	P. Davies	Ash	25	0.3	614234	226333	Rot hole	Moderate
515	24/05/2022	J. Johnson	Pedunculate Oak	7	1	619934	219923	Rot hole	Moderate
5614	31/05/2022	P. Davies	Pedunculate Oak	20	0.6	618469	222935	Crack/split, other	Moderate
5615	31/05/2022	P. Davies	Pedunculate Oak	25	1	618299	222963	Crack/split, lifted bark, rot hole	Moderate
5630	31/05/2022	P. Davies	Pedunculate Oak	25	1	618473	222839	Dense ivy, other	Moderate
5635	31/05/2022	P. Davies	Ash	20	0.3	618522	223061	Other, woodpecker hole	Moderate
63	26/05/2022	J. Johnson	Pedunculate Oak	12	1	620965	219324	Crack/split, rot hole	Moderate
6310	08/06/2022	P. Davies	Pedunculate Oak	25	0.6	614239	226267	Crack/split	Moderate
64	26/05/2022	J. Johnson	Pedunculate Oak	12	1.3	620942	219344	Crack/split, lifted bark, Other	Moderate
65	26/05/2022	J. Johnson	Pedunculate Oak	10	1	620927	219351	Other	Moderate
85	24/05/2022	J. Johnson	Pedunculate Oak	13	1	620295	219720	Tear out	Moderate
88	24/05/2022	J. Johnson	Pedunculate Oak	16	1.6	620475	219747	Dense ivy	Moderate
2935	23/06/2022	P. Davies	Pedunculate Oak	25	0.6	614031	226749	Dense ivy	Moderate
274	01/06/2022	P. Davies	Pedunculate Oak	25	1	617414	223707	Crack/split, Other	Moderate
452	08/06/2022	P. Davies	Ash	25	0.3	614238	226364	Rot hole	Moderate

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	х	Υ	PRFs present	Overall tree assessment
99016	17/06/2022	P. Davies	Pedunculate Oak	20	0.6	620805	218639	Rot hole	Moderate
99113	24/05/2022	J. Johnson	Pedunculate Oak	15	1.3	620512	219409	Other	Moderate
99125	24/05/2022	J. Johnson	Pedunculate Oak	16	1.9	620178	220097	Other	Moderate
99126	25/05/2022	J. Johnson	Pedunculate Oak	11	0.6	619875	220136	Woodpecker hole	Moderate
99128	25/05/2022	J. Johnson	Willow sp.	17	1.9	619903	220174	Rot hole, tear out	Moderate
99129	25/05/2022	J. Johnson	Pedunculate Oak	13	1.9	619899	220188	Dense ivy	Moderate
99130	25/05/2022	J. Johnson	Pedunculate Oak	11	1	619941	220169	Tear out	Moderate
99149	13/06/2022	P. Davies	Pedunculate Oak	30	1	619300	222182	Lifted bark, other, rot hole	Moderate
99150	13/06/2022	P. Davies	Pedunculate Oak	35	1.3	619238	222153	Dense ivy	Moderate
99152	13/06/2022	P. Davies	Pedunculate Oak	25	1	619099	222343	Dense ivy, other	Moderate
99219	11/06/2022	P. Davies	Pedunculate Oak	35	1.3	617291	223638	Rot hole	Moderate
99223	11/06/2022	P. Davies	Pedunculate Oak	20	1	617297	223718	Rot hole	Moderate
99268	01/10/2021	North Falls RH DHV	Pedunculate Oak	Height of tree not recorded	DBH of tree not recorded	616527	224167	Unspecified (large tree)	Moderate
99348	01/10/2021	North Falls RH DHV	Pedunculate Oak	Height of tree not recorded	DBH of tree not recorded	616531	224153	Unspecified (large tree)	Moderate
99352	12/06/2022	P. Davies	Pedunculate Oak	25	1	615723	224513	Crack/split	Moderate
99353	12/06/2022	P. Davies	Pedunculate Oak	30	1.6	615745	224553	Dense ivy	Moderate
99369	12/06/2022	P. Davies	Pedunculate Oak	30	1	615513	225138	Dense ivy	Moderate

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	х	Υ	PRFs present	Overall tree assessment
99371	12/06/2022	P. Davies	Willow sp.	30	0.2	615441	225092	Dense ivy	Moderate
99372	12/06/2022	P. Davies	Willow sp.	30	1.3	615392	225055	Crack/split, Dense ivy	Moderate
10991	10/06/2022	P. Davies	Pedunculate Oak	10	0.1	614304	226474	Rot hole	Moderate

3.2 Preliminary Assessment of Woodland (Figure 3.1-3.4)

The twenty woodland blocks that needed Preliminary Assessment, of which nineteen were surveyed - none were classified as having high potential, six were classified as having moderate potential, nine low potential and four negligible (see Table 6, Appendix B for full details). Woodland 16 was not surveyed due to refused access by the landowner.

3.3 Presence / likely absence survey

92 trees within the red line boundary were classified as having moderate and high potential to support roosting bats and were therefore subject to further presence/likely absence surveys.

Six trees were confirmed as roosts (see Table 4 below and Figures 2.1-2.3) and the remaining eighty-seven were considered to have a likely absence of bat roosts (see Tables 7 and 8, Appendix C and D for full details and metadata).

Tree 99255 was subject to presence/absence surveys as part of an adjacent project with a similar footprint to the VE scope of works however, it was within a VE exclusion zone but, since this was a confirmed roost it has been included in the Table below for reference, totalling seven confirmed roosts.

Table 4: Trees with confirmed bat roosts

Tree ID	X and Y coordinates	Date of survey	Time	Species	Number	Description / Notes	PRFID
99126	619875, 220136	05/05/2022	20:59	Pipistrellus pipistrellus	3	Emergence from woodpecker hole, 5m up on West aspect	99126d
99352	615723, 224513	17/05/2022	21:34	Pipistrellus pipistrellus	1	Emergence from crevice within the tree	99352a
99352	615723, 224513	06/09/2022	20:06	Pipistrellus pipistrellus	7	7 Common pipistrelles emerged at 20:06, 20:08, 20:10, 20:11, 20:14, 20:16	99352a
99388	614926, 225174	16/05/2022	21:17	Unknown	1	Emergence from a large Hollow	99388a
271	617346, 223722	22/09/2022	19:05	Nyctalus noctula	2	2 emergences from a woodpecker hole, 4m high on the north east of the trunk	271b

274	617414, 223707	28/07/2022	20:53	Unknown	1	Seen crawling on tree, possible perching/feeding roost	N/A
452	614238, 226364	10/08/2022	21:06	Pipistrellus pipistrellus	1	Emerged from a cluster of trees so could not identify PRF	Unknown
99255	616888, 223930	11/05/2022	21:22	Pipistrellus pygmaeus	1	Emergence from large hollow, 6m from ground level	99255a

Survey limitations

The duration between survey one and survey two for tree 2189 was not two weeks, as recommended by the Bat Conservation Trust, due to the need to complete two surveys within the optimal maternity season.

3. CONCLUSION

621 trees within the VE onshore project area were subject to an updated ground assessment of trees. After RLB revisions and therefore descoping of trees, the remaining trees in scope equated to 525.

Within the exclusion zones as identified by the VE project team, 18 of the trees were assessed as moderate and 11 were assessed as having high potential to support roosting bats.

Within the red line boundary 64 trees were assessed as having moderate potential and 28 assessed as high potential. 404 were classified as having negligible or low potential, this includes those within the exclusion zones.

Six trees were confirmed as roosts, one of the trees, tree id 452 was located in a cluster of trees and it is thought that tree 274 could potentially be used a perching / feeding roost.

A single tree within the exclusion zone was also identified as confirmed following presence/ absence surveys conducted as part of adjacent project survey scope. This takes the total of confirmed roosts to seven.

Nineteen woodland blocks were subject to ground level tree assessments for bats. Six were classified as having moderate potential, nine low potential and four negligible potential.

4. REFERENCES

Collins, J. (ed). (2016). Bat Surveys for Professional Ecologists: Good Practice Guidelines (3rd edn). The Bat Conservation Trust, London.

SLR Consulting Ltd. (2022) Five Estuaries Offshore Wind Farm Preliminary Ecological Appraisal.



APPENDIX A1: GLTA data for Low and Negligible trees

Table 5.1: GLTA Data for Low and Negligible Trees

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	Х	Υ	PRFs present	Overall tree assessment
116	25/05/2022	J. Johnson	Pedunculate Oak Quercus robur	8	1	619718	221081	Other, tear out	Low
131	25/05/2022	J. Johnson	Pedunculate Oak	9	1	619970	221774	Other	Low
143	13/06/2022	P. Davies	Pedunculate Oak	25	0.6	619258	222164	Lifted bark	Low
145	13/06/2022	P. Davies	Pedunculate Oak	20	0.3	619292	222221	Dense ivy	Low
149	13/06/2022	P. Davies	Pedunculate Oak	20	0.6	619450	222297	Branch end cavity/cracks, lifted bark, other	Low
150	13/06/2022	P. Davies	Pedunculate Oak	25	0.6	619438	222316	Crack/split, lifted bark	Low
154	13/06/2022	P. Davies	Pedunculate Oak	25	0.3	619359	222440	Other	Low
159	13/06/2022	P. Davies	Pedunculate Oak	30	1	619106	222334	Crack/split	Low
1663	11/06/2022	P. Davies	Pedunculate Oak	20	0.6	616821	223452	Dense ivy	Low
1677	11/06/2022	P. Davies	Pedunculate Oak	18	0.3	616800	223477	Dense ivy	Low
170	13/06/2022	P. Davies	Pedunculate Oak	25	1	619150	222658	Lifted bark	Low
1735	25/05/2022	J. Johnson	Pedunculate Oak	12	0.6	619889	220157	Crack/split	Low
1740	25/05/2022	J. Johnson	Pedunculate Oak	15	1.3	619648	221203	Crack/split, lifted bark	Low
1741	25/05/2022	J. Johnson	Pedunculate Oak	13	1.3	619660	221201	Other, tear out	Low
1742	11/06/2022	P. Davies	Pedunculate Oak	30	1	617194	223417	Lifted bark, other, rot hole	Low
1743	11/06/2022	P. Davies	Pedunculate Oak	30	1	617197	223423	Lifted bark, other, rot hole	Low
1754	01/06/2022	P. Davies	Pedunculate Oak	30	0.6	617383	223395	Crack/split	Low
186	14/06/2022	P. Davies	Pedunculate Oak	20	0.6	619000	223284	Lifted bark	Low
1882	15/06/2022	P. Davies	Unknown	10	0.3	621192	218672	Dense ivy	Low
191	31/05/2022	P. Davies	Pedunculate Oak	15	0.6	619125	223287	Crack/split, other	Low
197	31/05/2022	P. Davies	Field Maple Acer campestre	9	0.3	619211	223259	Dense ivy	Low

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	Х	Υ	PRFs present	Overall tree assessment
204	30/05/2022	P. Davies	Pedunculate Oak	10	0.6	618707	223365	Dense ivy	Low
205	30/05/2022	P. Davies	Pedunculate Oak	20	0.6	618671	223426	Lifted bark	Low
2149	11/06/2022	P. Davies	Pedunculate Oak	20	0.6	615139	225010	Dense ivy	Low
2150	11/06/2022	P. Davies	Pedunculate Oak	25	0.6	615131	224994	Dense ivy	Low
2151	11/06/2022	P. Davies	Pedunculate Oak	25	1	615097	224970	Dense ivy	Low
2288	07/06/2022	P. Davies	Willow Salix spp.	30	1.3	611732	227447	Crack/split	Low
244	01/06/2022	P. Davies	Ash Fraxinus excelsior	25	0.6	617629	223739	Tear out	Low
252	01/06/2022	P. Davies	Pedunculate Oak	30	1	617663	223791	Dense ivy, tear out	Low
259	01/06/2022	P. Davies	Field Maple	15	0.3	617510	223557	Dense ivy	Low
260	01/06/2022	P. Davies	Field Maple	15	0.3	617496	223554	Dense ivy, other	Low
261	01/06/2022	P. Davies	Pedunculate Oak	30	0.6	617470	223541	Dense ivy	Low
270	01/06/2022	P. Davies	Ash	20	0.3	617320	223736	Dense ivy	Low
272	01/06/2022	P. Davies	Ash	25	0.3	617376	223716	Other	Low
276	01/06/2022	P. Davies	Pedunculate Oak	25	0.6	617298	223772	Lifted bark, other	Low
277	09/06/2022	P. Davies	Pedunculate Oak	20	1	617251	223747	Crack/split, other	Low
278	09/06/2022	P. Davies	Pedunculate Oak	20	0.6	617080	223604	Tear out	Low
2928	08/06/2022	P. Davies	Pedunculate Oak	15	0.3	614762	226086	Rot hole	Low
2966	07/06/2022	P. Davies	Pedunculate Oak	20	0.6	612297	227962	Lifted bark	Low
2997	07/06/2022	P. Davies	Pedunculate Oak	35	1	611755	227618	Crack/split, other	Low
33	26/05/2022	J. Johnson	Pedunculate Oak	12	1	621231	219027	Other	Low
36	26/05/2022	J. Johnson	Field Maple	8	0.3	621188	219027	Other	Low
365	09/06/2022	P. Davies	Pedunculate Oak	20	0.6	616987	223728	Crack/split, other	Low
369	09/06/2022	P. Davies	Pedunculate Oak	25	1	616757	223613	Dense ivy	Low
370	09/06/2022	P. Davies	Pedunculate Oak	25	0.3	616769	223576	Dense ivy	Low
371	09/06/2022	P. Davies	Pedunculate Oak	25	0.6	616747	223631	Dense ivy	Low
381	10/06/2022	P. Davies	Pedunculate Oak	25	0.6	616448	223840	Dense ivy	Low

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	Х	Υ	PRFs present	Overall tree assessment
388	10/06/2022	P. Davies	Pedunculate Oak	25	1.3	616338	224073	Crack/split	Low
39	17/06/2022	P. Davies	Willow Sp.	35	1	621130	218797	Other	Low
392	10/06/2022	P. Davies	Pedunculate Oak	25	0.6	616133	224116	Tear out	Low
394	10/06/2022	P. Davies	Pedunculate Oak	25	1	616147	224311	Tear out	Low
40	17/06/2022	P. Davies	Willow Sp.	35	1	621141	218808	Dense ivy	Low
406	11/06/2022	P. Davies	Pedunculate Oak	20	0.6	615178	225099	Dense ivy	Low
407	11/06/2022	P. Davies	Pedunculate Oak	30	1	615194	225133	Crack/split, dense ivy	Low
408	11/06/2022	P. Davies	Pedunculate Oak	25	0.6	615207	225174	Dense ivy	Low
42	17/06/2022	P. Davies	Pedunculate Oak	25	0.6	621020	218789	Lifted bark	Low
422	10/06/2022	P. Davies	Pedunculate Oak	25	0.6	614510	225904	Crack/split	Low
436	08/06/2022	P. Davies	Pedunculate Oak	25	0.6	614683	226110	Tear out	Low
44	15/06/2022	P. Davies	Pedunculate Oak	25	0.6	621037	217946	Lifted bark	Low
45	15/06/2022	P. Davies	Pedunculate Oak	25	0.6	621062	217972	Lifted bark	Low
454	08/06/2022	P. Davies	Pedunculate Oak	25	0.6	614299	226465	Crack/split	Low
460	06/06/2022	P. Davies	Pedunculate Oak	15	0.6	613856	226715	Crack/split	Low
5506	25/05/2022	J. Johnson	Pedunculate Oak	13	0.6	620276	220141	Lifted bark, other	Low
5509	24/05/2022	J. Johnson	Pedunculate Oak	10	1	620148	220082	Dense ivy	Low
5579	09/06/2022	P. Davies	Pedunculate Oak	25	0.3	616732	223654	Dense ivy	Low
5609	31/05/2022	P. Davies	Pedunculate Oak	20	0.6	618414	223074	Other	Low
5611	31/05/2022	P. Davies	Pedunculate Oak	20	0.6	618447	223056	Other	Low
5613	31/05/2022	P. Davies	Pedunculate Oak	30	1	618281	223042	Other	Low
5616	31/05/2022	P. Davies	Pedunculate Oak	25	1	618212	223010	Crack/split	Low
5621	31/05/2022	P. Davies	Pedunculate Oak	25	1	618137	222979	Rot hole	Low
5668	01/06/2022	P. Davies	Pedunculate Oak	20	1	617350	223349	Other	Low
62	26/05/2022	J. Johnson	Pedunculate Oak	8	1	620995	219248	Other	Low
6276	09/06/2022	P. Davies	Pedunculate Oak	8	0.3	616956	223820	Crack/split	Low

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	Х	Υ	PRFs present	Overall tree assessment
6399	26/05/2022	J. Johnson	Pedunculate Oak	12	1	620151	221489	Other, tear out	Low
66	26/05/2022	J. Johnson	Pedunculate Oak	9	1	620883	219367	Other	Low
6818	06/06/2022	P. Davies	Norway Maple Acer platanoides	8	0.3	612634	226905	Dense ivy	Low
83	24/05/2022	J. Johnson	Pedunculate Oak	12	1.6	620284	219762	Crack/split, tear out	Low
1859	20/06/2022	R. Lane	Ash	12	0.3	620972	218473	Branch end cavity/cracks	Low
1916	20/06/2022	C. Marzuoli	Unknown	4	0.1	621352	219134	Dense ivy	Low
1917	20/06/2022	C. Marzuoli	Blackthorn Prunus spinosa	4	0.1	621357	219130	Dense ivy	Low
1918	20/06/2022	C. Marzuoli	Blackthorn	4	0.1	621362	219124	Dense ivy	Low
1941	20/06/2022	R. Lane	Willow Sp.	16	0.3	620560	219717	None	Low
1942	20/06/2022	R. Lane	Willow Sp.	16	0.3	620554	219728	Other	Low
1943	20/06/2022	R. Lane	Willow Sp.	17	0.3	620556	219737	Branch end cavity/cracks	Low
1944	20/06/2022	R. Lane	Willow Sp.	17	0.3	620567	219742	Dense ivy	Low
1947	20/06/2022	R. Lane	Willow Sp.	16	0.3	620593	219755	Dense ivy	Low
1948	20/06/2022	R. Lane	Poplar <i>Populus spp.</i>	20	0.5	620563	219766	Other	Low
1950	20/06/2022	R. Lane	Field maple	14	0.3	620577	219775	None	Low
1951	20/06/2022	R. Lane	Field maple	15	0.4	620590	219767	None	Low
1952	20/06/2022	R. Lane	Field Maple	12	0.2	620578	219760	None	Low
1953	20/06/2022	R. Lane	Willow Sp.	15	0.3	620562	219753	Lifted bark	Low
1955	20/06/2022	R. Lane	Pedunculate Oak	15	0.4	620525	219756	None	Low
215	30/05/2022	P. Davies	Pedunculate Oak	20	1	618673	223511	Crack/split, dense ivy	Low
216	30/05/2022	P. Davies	Hawthorn Crataegus monogyna	6	0.3	618675	223530	Dense ivy	Low
470	20/06/2022	R. Lane	Sycamore Acer psuedoplatanus	8	0.4	620365	218871	Dense ivy	Low
474	20/06/2022	R. Lane	Hawthorn	5	0.1	620313	218860	None	Low
475	20/06/2022	R. Lane	Hawthorn	5	0.1	620309	218854	None	Low

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476	20/06/2022	R. Lane	Hawthorn	6	0.1	620305	218849	None	Low
477	20/06/2022	R. Lane	Hawthorn	5	0.1	620300	218844	None	Low
485	20/06/2022	C. Marzuoli	Pedunculate Oak	20	0.5	620244	219279	None	Low
486	20/06/2022	C. Marzuoli	Willow Sp.	6	0	620217	219411	Branch end cavity/cracks	Low
491	20/06/2022	C. Marzuoli	Pedunculate Oak	10	0.4	620208	219381	Other	Low
494	20/06/2022	C. Marzuoli	Elm <i>Ulmus sp.</i>	10	0.1	620173	219367	None	Low
512	20/06/2022	C. Marzuoli	Pedunculate Oak	8	0.1	620175	219493	None	Low
58	20/06/2022	C. Marzuoli	Eucalyptus sp.	12	0.8	620674	218994	None	Low
59	20/06/2022	C. Marzuoli	Willow Sp.	10	0.3	620628	218994	None	Low
6313	20/06/2022	R. Lane	Poplar	16	0.5	621150	217615	Other	Low
6317	20/06/2022	R. Lane	Willow Sp.	7	0.4	621132	217649	Other	Low
6322	20/06/2022	C. Marzuoli	Pedunculate Oak	12	0.2	620243	219187	None	Low
6324	22/06/2022	P. Davies	Pedunculate Oak	20	0.6	621007	218503	Crack/split, lifted bark	Low
99012	22/06/2022	P. Davies	Pedunculate Oak	10	0.3	620955	218443	Branch end cavity/cracks	Low
99161	14/06/2022	P. Davies	Pedunculate Oak	30	1	618803	222861	Rot hole	Low
99234	09/06/2022	P. Davies	Pedunculate Oak	25	1	616832	223653	Other	Low
99330	16/06/2022	P. Davies	Willow Sp.	25	0.6	621340	218776	Rot hole	Low
99370	12/06/2022	P. Davies	Unknown	15	0.3	615488	225118	Dense ivy, lifted bark	Low
109929	20/06/2022	C. Marzuoli	Willow Sp.	18	1.1	622453	218469	None	Low
193	30/05/2022	P. Davies	Pedunculate Oak	15	0.3	619017	223297	None	Negligible
1	16/06/2022	P. Davies	Poplar	20	0.6	621994	218459	None	Negligible
100	24/05/2022	J. Johnson	Field Maple	9	0.5	620083	220037	None	Negligible
101	24/05/2022	J. Johnson	Pedunculate Oak	13	1	620131	220069	None	Negligible
11	16/06/2022	P. Davies	Ash	15	0.2	622050	218334	None	Negligible
111	25/05/2022	J. Johnson	Pedunculate Oak	11	0.4	619919	221011	None	Negligible
113	25/05/2022	J. Johnson	Pedunculate Oak	10	0.5	619947	221021	None	Negligible

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12	16/06/2022	P. Davies	Poplar	30	0.8	621995	218675	None	Negligible
120	25/05/2022	J. Johnson	Pedunculate Oak	11	1.2	619690	221175	None	Negligible
121	26/05/2022	J. Johnson	Pedunculate Oak	10	0.6	619993	221501	None	Negligible
122	26/05/2022	J. Johnson	Ash	10	1	619996	221516	None	Negligible
124	26/05/2022	J. Johnson	Ash	11	1.2	620039	221529	None	Negligible
127	26/05/2022	J. Johnson	Hawthorn	5	0.3	619891	221507	None	Negligible
13	16/06/2022	P. Davies	Poplar	15	0.1	622103	218723	None	Negligible
130	26/05/2022	J. Johnson	Maple Acer spp.	7	0.4	619760	221649	None	Negligible
133	23/06/2022	P. Davies	Leylandii	25	0.4	619626	221933	None	Negligible
134	23/06/2022	P. Davies	Leylandii	25	0.4	619629	221957	None	Negligible
135	14/06/2022	P. Davies	Pedunculate Oak	20	0.3	619676	222010	None	Negligible
137	26/05/2022	J. Johnson	Pedunculate Oak	8	0.3	619674	222038	None	Negligible
138	26/05/2022	J. Johnson	Pedunculate Oak	11	0.8	619687	222035	None	Negligible
139	14/06/2022	P. Davies	Pedunculate Oak	15	0.1	619673	222051	None	Negligible
14	16/06/2022	P. Davies	Pedunculate Oak	20	0.5	621775	218863	None	Negligible
140	26/05/2022	J. Johnson	Pedunculate Oak	11	0.7	619682	222069	None	Negligible
146	13/06/2022	P. Davies	Pedunculate Oak	20	0.4	619277	222247	None	Negligible
147	13/06/2022	P. Davies	Pedunculate Oak	15	0.3	619400	222241	None	Negligible
148	13/06/2022	P. Davies	Blackthorn	5	0.1	619458	222285	None	Negligible
151	13/06/2022	P. Davies	Pedunculate Oak	25	0.8	619420	222335	None	Negligible
152	13/06/2022	P. Davies	Pedunculate Oak	15	0.2	619385	222402	None	Negligible
155	13/06/2022	P. Davies	Pedunculate Oak	25	0.4	619350	222460	None	Negligible
156	13/06/2022	P. Davies	Pedunculate Oak	15	0.3	619338	222475	None	Negligible
157	13/06/2022	P. Davies	Pedunculate Oak	15	0.2	619198	222377	None	Negligible
158	13/06/2022	P. Davies	Pedunculate Oak	25	0.6	619090	222305	None	Negligible
16	20/06/2022	C. Marzuoli	Willow Sp.	20	0.8	621588	218982	None	Negligible

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160	13/06/2022	P. Davies	Pedunculate Oak	15	0.2	619129	222362	None	Negligible
161	13/06/2022	P. Davies	Pedunculate Oak	20	0.5	619136	222370	None	Negligible
162	13/06/2022	P. Davies	Pedunculate Oak	20	0.6	619145	222379	None	Negligible
163	13/06/2022	P. Davies	Pedunculate Oak	15	0.2	619151	222394	None	Negligible
164	13/06/2022	P. Davies	Pedunculate Oak	20	0.5	619159	222397	None	Negligible
165	13/06/2022	P. Davies	Pedunculate Oak	20	0.4	619171	222430	None	Negligible
1657	11/06/2022	P. Davies	Pedunculate Oak	25	1	616853	223379	None	Negligible
1658	11/06/2022	P. Davies	Pedunculate Oak	20	0.6	616863	223383	None	Negligible
1659	11/06/2022	P. Davies	Pedunculate Oak	25	0.6	616792	223357	None	Negligible
166	13/06/2022	P. Davies	Pedunculate Oak	20	0.7	619179	222438	None	Negligible
1660	11/06/2022	P. Davies	Pedunculate Oak	20	0.4	616806	223371	None	Negligible
1661	11/06/2022	P. Davies	Pedunculate Oak	15	0.3	616837	223376	None	Negligible
1662	11/06/2022	P. Davies	Hawthorn	10	0.3	616818	223373	None	Negligible
1666	11/06/2022	P. Davies	Sycamore	15	0.3	616791	223370	None	Negligible
1667	11/06/2022	P. Davies	Poplar	40	0.5	616860	223409	None	Negligible
1668	11/06/2022	P. Davies	Pedunculate Oak	10	0.1	616854	223415	None	Negligible
1669	10/06/2022	P. Davies	Willow Sp.	6	0.1	616915	223353	None	Negligible
167	23/06/2022	P. Davies	Ash	20	0.4	619259	222529	None	Negligible
1678	23/06/2022	P. Davies	Pedunculate Oak	30	1	616759	223529	None	Negligible
1679	09/06/2022	P. Davies	Pedunculate Oak	25	0.6	616775	223560	None	Negligible
169	13/06/2022	P. Davies	Pedunculate Oak	30	0.9	619131	222615	None	Negligible
172	13/06/2022	P. Davies	Ash	20	0.2	619157	222677	None	Negligible
173	13/06/2022	P. Davies	Pedunculate Oak	20	0.5	619167	222708	None	Negligible
1745	11/06/2022	P. Davies	Willow Sp.	35	0.8	617257	223405	None	Negligible
1749	11/06/2022	P. Davies	Willow Sp.	15	0.1	617261	223392	None	Negligible
175	13/06/2022	P. Davies	Pedunculate Oak	20	0.4	618948	222580	None	Negligible

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1753	01/06/2022	P. Davies	Pedunculate Oak	25	0.7	617386	223411	None	Negligible
1755	30/05/2022	P. Davies	Elm	6	0.3	617885	223421	None	Negligible
1756	30/05/2022	P. Davies	Elm	6	0.2	617876	223420	None	Negligible
1759	30/05/2022	P. Davies	Unknown	1	0	617825	223414	None	Negligible
178	14/06/2022	P. Davies	Pedunculate Oak	25	0.6	618846	222971	None	Negligible
179	14/06/2022	P. Davies	Pedunculate Oak	15	0.2	618863	223034	None	Negligible
1797	14/06/2022	P. Davies	Hazel Corylus avellana	6	0.1	618809	222880	None	Negligible
1798	14/06/2022	P. Davies	Hazel	6	0.1	618818	222897	None	Negligible
1799	14/06/2022	P. Davies	Hazel	3	0.1	618777	222811	None	Negligible
1800	14/06/2022	P. Davies	Hazel	5	0.1	618794	222847	None	Negligible
1801	14/06/2022	P. Davies	Ash	30	0.5	618834	222942	None	Negligible
1812	13/06/2022	P. Davies	Pedunculate Oak	15	0.3	619080	222294	None	Negligible
1813	13/06/2022	P. Davies	Willow Sp.	15	0.1	619077	222281	None	Negligible
1814	13/06/2022	P. Davies	Pedunculate Oak	20	0.3	619059	222256	None	Negligible
1860	15/06/2022	P. Davies	Pedunculate Oak	20	0.4	621169	218397	None	Negligible
1861	15/06/2022	P. Davies	Sycamore	20	0.4	621161	218392	None	Negligible
1862	15/06/2022	P. Davies	Sycamore	20	0.3	621163	218382	None	Negligible
1863	15/06/2022	P. Davies	Sycamore	10	0.3	621161	218398	None	Negligible
1864	15/06/2022	P. Davies	Pedunculate Oak	20	0.4	621290	218549	None	Negligible
187	14/06/2022	P. Davies	Pedunculate Oak	25	0.6	619028	223284	None	Negligible
1875	15/06/2022	P. Davies	Field Maple	15	0.2	621178	218714	None	Negligible
1876	15/06/2022	P. Davies	Field Maple	15	0.2	621184	218698	None	Negligible
1877	15/06/2022	P. Davies	Alder Alnus glutinosa	13	0.2	621186	218690	None	Negligible
1878	15/06/2022	P. Davies	Alder	14	0.2	621182	218708	None	Negligible
1879	15/06/2022	P. Davies	Alder	13	0.2	621189	218681	None	Negligible
188	14/06/2022	P. Davies	Pedunculate Oak	25	0.9	619067	223284	None	Negligible

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1880	15/06/2022	P. Davies	Hawthorn	10	0.1	621198	218646	None	Negligible
1881	15/06/2022	P. Davies	Elm	12	0.1	621197	218656	None	Negligible
1883	15/06/2022	P. Davies	Elm	12	0.1	621194	218664	None	Negligible
189	14/06/2022	P. Davies	Pedunculate Oak	15	0.2	619097	223282	None	Negligible
190	14/06/2022	P. Davies	Pedunculate Oak	15	0.3	619123	223275	None	Negligible
1914	20/06/2022	C. Marzuoli	Tree no longer present	0	0	621350	219116	None	Negligible
1915	20/06/2022	C. Marzuoli	Tree no longer present	0	0	621345	219141	None	Negligible
192	30/05/2022	P. Davies	Pedunculate Oak	10	0.4	619001	223294	None	Negligible
1935	20/06/2022	R. Lane	Willow Sp.	7	0.2	620620	219696	None	Negligible
1936	20/06/2022	R. Lane	Willow Sp.	7	0.2	620598	219688	None	Negligible
1937	20/06/2022	R. Lane	Willow Sp.	11	0.6	620579	219679	None	Negligible
1938	20/06/2022	R. Lane	Willow Sp.	11	0.3	620569	219691	None	Negligible
1939	20/06/2022	R. Lane	Willow Sp.	13	0.3	620562	219708	None	Negligible
194	30/05/2022	P. Davies	Field Maple	6	0.1	618975	223289	None	Negligible
1940	20/06/2022	R. Lane	Willow Sp.	1	0.1	620566	219701	None	Negligible
1945	20/06/2022	R. Lane	Willow Sp.	17	0.3	620577	219746	None	Negligible
1946	20/06/2022	R. Lane	Willow Sp.	15	0.2	620585	219751	None	Negligible
196	31/05/2022	P. Davies	Sycamore	8	0.3	618934	223296	None	Negligible
198	14/06/2022	P. Davies	Willow Sp.	6	0.1	618952	223273	None	Negligible
199	31/05/2022	P. Davies	Sycamore	12	0.5	618930	223395	None	Negligible
2	16/06/2022	P. Davies	Pedunculate Oak	20	0.6	622016	218416	None	Negligible
20	15/06/2022	P. Davies	Pedunculate Oak	15	0.2	621352	218590	None	Negligible
200	31/05/2022	P. Davies	Sycamore	9	0.4	618931	223477	None	Negligible
2004	22/06/2022	P. Davies	Pedunculate Oak	20	0.8	620121	221313	None	Negligible
201	31/05/2022	P. Davies	Sycamore	9	0.3	618931	223450	None	Negligible
21	16/06/2022	P. Davies	Pedunculate Oak	15	0.4	621371	218735	None	Negligible

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2110	12/06/2022	P. Davies	Pedunculate Oak	25	0.8	615710	224476	None	Negligible
2111	12/06/2022	P. Davies	Field Maple	15	0.2	615699	224454	None	Negligible
2112	12/06/2022	P. Davies	Field Maple	20	0.4	615691	224437	None	Negligible
2113	12/06/2022	P. Davies	Field Maple	15	0.2	615696	224450	None	Negligible
2154	12/06/2022	P. Davies	Ash	25	0.2	614889	225223	None	Negligible
217	30/05/2022	P. Davies	Pedunculate Oak	6	0.5	618556	223648	None	Negligible
218	30/05/2022	P. Davies	Pedunculate Oak	6	0.3	618543	223646	None	Negligible
219	30/05/2022	P. Davies	Pedunculate Oak	6	0.3	618523	223638	None	Negligible
2190	08/06/2022	P. Davies	Field Maple	20	0.5	614212	226074	None	Negligible
220	30/05/2022	P. Davies	Pedunculate Oak	6	0.2	618382	223597	None	Negligible
2205	06/06/2022	P. Davies	Willow Sp.	10	0.2	613608	226702	None	Negligible
2206	06/06/2022	P. Davies	Pedunculate Oak	15	0.4	613596	226700	None	Negligible
2207	06/06/2022	P. Davies	Pedunculate Oak	10	0.2	613588	226700	None	Negligible
222	30/05/2022	P. Davies	Pedunculate Oak	15	0.8	618136	223500	None	Negligible
223	30/05/2022	P. Davies	Pedunculate Oak	10	0.4	618100	223488	None	Negligible
2271	07/06/2022	P. Davies	Hawthorn	3	0.1	612219	227557	None	Negligible
2272	07/06/2022	P. Davies	Pedunculate Oak	5	0.1	612204	227574	None	Negligible
2273	07/06/2022	P. Davies	Pedunculate Oak	3	0.1	612200	227581	None	Negligible
2274	07/06/2022	P. Davies	Pedunculate Oak	10	0.2	612195	227589	None	Negligible
2275	07/06/2022	P. Davies	Ash	10	0.2	612201	227588	None	Negligible
2289	07/06/2022	P. Davies	Willow Sp.	25	0.9	611726	227436	None	Negligible
234	01/06/2022	P. Davies	Pedunculate Oak	15	0.3	617730	223598	None	Negligible
235	01/06/2022	P. Davies	Pedunculate Oak	15	0.3	617716	223596	None	Negligible
236	01/06/2022	P. Davies	Pedunculate Oak	15	0.3	617691	223593	None	Negligible
237	01/06/2022	P. Davies	Pedunculate Oak	15	0.4	617682	223590	None	Negligible
238	01/06/2022	P. Davies	Pedunculate Oak	15	0.4	617658	223588	None	Negligible

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239	01/06/2022	P. Davies	Pedunculate Oak	15	0.4	617635	223581	None	Negligible
24	26/05/2022	J. Johnson	Maple sp.	6	0.3	621312	218816	None	Negligible
240	01/06/2022	P. Davies	Pedunculate Oak	15	0.4	617563	223569	None	Negligible
241	01/06/2022	P. Davies	Pedunculate Oak	15	0.4	617543	223566	None	Negligible
242	01/06/2022	P. Davies	Ash	25	0.4	617676	223742	None	Negligible
245	01/06/2022	P. Davies	Pedunculate Oak	30	0.7	617599	223733	None	Negligible
246	01/06/2022	P. Davies	Pedunculate Oak	30	0.7	617576	223726	None	Negligible
248	01/06/2022	P. Davies	Pedunculate Oak	30	0.7	617512	223718	None	Negligible
249	01/06/2022	P. Davies	Pedunculate Oak	25	0.6	617472	223710	None	Negligible
262	11/06/2022	P. Davies	Pedunculate Oak	25	0.4	617311	223472	None	Negligible
263	11/06/2022	P. Davies	Pedunculate Oak	25	0.6	617343	223601	None	Negligible
264	11/06/2022	P. Davies	Pedunculate Oak	25	0.5	617345	223610	None	Negligible
266	11/06/2022	P. Davies	Pedunculate Oak	30	0.8	617290	223660	None	Negligible
267	11/06/2022	P. Davies	Pedunculate Oak	30	0.7	617290	223682	None	Negligible
268	11/06/2022	P. Davies	Pedunculate Oak	30	0.8	617295	223694	None	Negligible
273	01/06/2022	P. Davies	Willow Sp.	10	0.1	617390	223708	None	Negligible
275	01/06/2022	P. Davies	Field Maple	15	0.2	617298	223753	None	Negligible
279	09/06/2022	P. Davies	Pedunculate Oak	20	0.5	617079	223591	None	Negligible
28	26/05/2022	J. Johnson	Hawthorn	7	0.5	621327	218903	None	Negligible
280	09/06/2022	P. Davies	Pedunculate Oak	20	0.4	617075	223643	None	Negligible
281	09/06/2022	P. Davies	Pedunculate Oak	25	0.6	617072	223689	None	Negligible
282	09/06/2022	P. Davies	Pedunculate Oak	20	0.9	617178	223740	None	Negligible
283	09/06/2022	P. Davies	Pedunculate Oak	20	0.3	617029	223729	None	Negligible
2929	08/06/2022	P. Davies	Pedunculate Oak	20	0.6	614735	226093	None	Negligible
2930	08/06/2022	P. Davies	Pedunculate Oak	20	0.6	614313	226530	None	Negligible
2931	08/06/2022	P. Davies	Pedunculate Oak	25	0.7	614305	226484	None	Negligible

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2932	06/06/2022	P. Davies	Pedunculate Oak	10	0.4	614076	226772	None	Negligible
2933	23/06/2022	P. Davies	Pedunculate Oak	25	0.6	614068	226753	None	Negligible
2934	23/06/2022	P. Davies	Pedunculate Oak	25	0.3	614053	226746	None	Negligible
2936	23/06/2022	P. Davies	Pedunculate Oak	20	0.3	614031	226737	None	Negligible
2969	07/06/2022	P. Davies	Pedunculate Oak	10	0.3	612042	227847	None	Negligible
2970	07/06/2022	P. Davies	Pedunculate Oak	10	0.3	612046	227775	None	Negligible
2971	07/06/2022	P. Davies	Pedunculate Oak	10	0.3	612059	227740	None	Negligible
2972	07/06/2022	P. Davies	Ash	10	0.1	612060	227735	None	Negligible
2989	07/06/2022	P. Davies	Unknown	15	0.2	612159	227616	None	Negligible
2990	07/06/2022	P. Davies	Sycamore	15	0.2	612152	227635	None	Negligible
2994	07/06/2022	P. Davies	Sycamore	20	0.3	612068	227696	None	Negligible
2995	07/06/2022	P. Davies	Pedunculate Oak	25	0.6	612072	227686	None	Negligible
2996	07/06/2022	P. Davies	Leylandii	25	0.8	612106	227695	None	Negligible
3	20/06/2022	C. Marzuoli	Ash	9	0.2	622442	218481	None	Negligible
32	26/05/2022	J. Johnson	Pedunculate Oak	10	0.6	621245	219026	None	Negligible
34	26/05/2022	J. Johnson	Field Maple	6	0.2	621210	219029	None	Negligible
35	26/05/2022	J. Johnson	Hawthorn	6	0.3	621195	219028	None	Negligible
364	09/06/2022	P. Davies	Pedunculate Oak	20	0.6	616915	223656	None	Negligible
366	09/06/2022	P. Davies	Pedunculate Oak	20	0.4	616867	223658	None	Negligible
367	09/06/2022	P. Davies	Pedunculate Oak	25	0.7	616847	223654	None	Negligible
37	15/06/2022	P. Davies	Field Maple	15	0.2	621176	218726	None	Negligible
374	10/06/2022	P. Davies	Pedunculate Oak	25	0.5	616256	223700	None	Negligible
375	10/06/2022	P. Davies	Pedunculate Oak	25	0.6	616263	223715	None	Negligible
377	10/06/2022	P. Davies	Pedunculate Oak	25	0.9	616334	223775	None	Negligible
378	10/06/2022	P. Davies	Pedunculate Oak	25	0.7	616358	223777	None	Negligible
379	10/06/2022	P. Davies	Pedunculate Oak	25	0.7	616384	223790	None	Negligible

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	Х	Υ	PRFs present	Overall tree assessment
38	15/06/2022	P. Davies	Hawthorn	3	0.2	621176	218735	None	Negligible
380	10/06/2022	P. Davies	Pedunculate Oak	25	0.6	616408	223796	None	Negligible
389	10/06/2022	P. Davies	Field Maple	15	0.3	616315	224071	None	Negligible
390	11/06/2022	P. Davies	Pedunculate Oak	20	0.3	616234	224069	None	Negligible
391	11/06/2022	P. Davies	Pedunculate Oak	20	0.6	616138	224070	None	Negligible
393	10/06/2022	P. Davies	Pedunculate Oak	25	0.7	616140	224152	None	Negligible
395	10/06/2022	P. Davies	Pedunculate Oak	10	0.2	616142	224218	None	Negligible
4	20/06/2022	C. Marzuoli	Willow Sp.	25	0.9	622457	218477	None	Negligible
403	12/06/2022	P. Davies	Field Maple	20	0.2	615739	224534	None	Negligible
405	12/06/2022	P. Davies	Pedunculate Oak	15	0.2	615716	224495	None	Negligible
409	11/06/2022	P. Davies	Pedunculate Oak	25	1.1	615282	225270	None	Negligible
41	17/06/2022	P. Davies	Field Maple	15	0.4	621132	218890	None	Negligible
424	10/06/2022	P. Davies	Pedunculate Oak	25	0.8	614547	225918	None	Negligible
426	10/06/2022	P. Davies	Ash	25	0.2	614563	225959	None	Negligible
427	10/06/2022	P. Davies	Pedunculate Oak	25	0.7	614578	225986	None	Negligible
428	10/06/2022	P. Davies	Ash	30	0.2	614585	225996	None	Negligible
429	10/06/2022	P. Davies	Pedunculate Oak	25	0.6	614592	226004	None	Negligible
43	17/06/2022	P. Davies	Pedunculate Oak	20	0.5	620959	218726	None	Negligible
430	10/06/2022	P. Davies	Pedunculate Oak	25	0.5	614602	226022	None	Negligible
431	10/06/2022	P. Davies	Pedunculate Oak	25	0.4	614605	226033	None	Negligible
433	10/06/2022	P. Davies	Pedunculate Oak	25	0.5	614613	226065	None	Negligible
434	08/06/2022	P. Davies	Pedunculate Oak	25	0.6	614635	226126	None	Negligible
435	08/06/2022	P. Davies	Pedunculate Oak	25	0.5	614672	226116	None	Negligible
441	08/06/2022	P. Davies	Pedunculate Oak	25	0.8	614349	226134	None	Negligible
442	08/06/2022	P. Davies	Pedunculate Oak	20	0.5	614324	226175	None	Negligible
443	08/06/2022	P. Davies	Pedunculate Oak	20	0.5	614216	226084	None	Negligible

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	Х	Υ	PRFs present	Overall tree assessment
444	08/06/2022	P. Davies	Pedunculate Oak	20	0.5	614237	226099	None	Negligible
445	08/06/2022	P. Davies	Pedunculate Oak	20	0.5	614260	226123	None	Negligible
446	08/06/2022	P. Davies	Pedunculate Oak	20	0.4	614267	226137	None	Negligible
447	08/06/2022	P. Davies	Pedunculate Oak	25	0.4	614251	226214	None	Negligible
451	08/06/2022	P. Davies	Pedunculate Oak	20	0.3	614235	226345	None	Negligible
453	08/06/2022	P. Davies	Pedunculate Oak	25	0.7	614240	226375	None	Negligible
456	08/06/2022	P. Davies	Pedunculate Oak	15	0.3	613978	226250	None	Negligible
458	06/06/2022	P. Davies	Pedunculate Oak	15	1	613946	226735	None	Negligible
459	06/06/2022	P. Davies	Pedunculate Oak	15	1.6	613881	226717	None	Negligible
46	15/06/2022	P. Davies	Pedunculate Oak	25	0.4	621077	217992	None	Negligible
461	06/06/2022	P. Davies	Pedunculate Oak	20	1.1	613785	226700	None	Negligible
462	06/06/2022	P. Davies	Pedunculate Oak	10	0.4	613984	226753	None	Negligible
463	06/06/2022	P. Davies	Aspen <i>Populus tremula</i>	8	0.2	613749	226695	None	Negligible
464	06/06/2022	P. Davies	Pedunculate Oak	6	0.2	613710	226696	None	Negligible
465	06/06/2022	P. Davies	Pedunculate Oak	15	0.4	613648	226701	None	Negligible
466	06/06/2022	P. Davies	Pedunculate Oak	15	0.3	613633	226702	None	Negligible
467	06/06/2022	P. Davies	Willow Sp.	6	0.1	613696	226697	None	Negligible
468	06/06/2022	P. Davies	Aspen	10	0.1	613808	226711	None	Negligible
471	20/06/2022	R. Lane	Maple	8	0.3	620357	218889	None	Negligible
48	16/06/2022	P. Davies	Field Maple	25	0.4	621139	218053	None	Negligible
487	20/06/2022	C. Marzuoli	Pedunculate Oak	5	0.1	620184	219440	None	Negligible
488	20/06/2022	C. Marzuoli	Hawthorn	8	0.6	620134	219471	None	Negligible
489	20/06/2022	C. Marzuoli	Willow Sp.	6	0.1	620170	219428	None	Negligible
49	15/06/2022	P. Davies	Willow Sp.	30	0.4	621112	218057	None	Negligible
490	20/06/2022	C. Marzuoli	Pedunculate Oak	10	0.2	620170	219442	None	Negligible
492	20/06/2022	C. Marzuoli	Elm Ulmus procera	8	0.1	620177	219349	None	Negligible

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	Х	Υ	PRFs present	Overall tree assessment
493	20/06/2022	C. Marzuoli	Elder Sambucus nigra	4	0.1	620165	219392	None	Negligible
496	20/06/2022	C. Marzuoli	Hawthorn	6	0.1	620164	219384	None	Negligible
497	20/06/2022	C. Marzuoli	Hawthorn	6	0.1	620158	219391	None	Negligible
498	20/06/2022	C. Marzuoli	Hawthorn	6	0.1	620161	219388	None	Negligible
499	20/06/2022	C. Marzuoli	Elm	5	0.1	620175	219402	None	Negligible
50	15/06/2022	P. Davies	Poplar	25	0.7	621114	218290	None	Negligible
500	20/06/2022	C. Marzuoli	Elm	7	0.1	620175	219396	None	Negligible
503	20/06/2022	C. Marzuoli	Elm	7	0.1	620167	219380	None	Negligible
504	20/06/2022	C. Marzuoli	Elm	7	0.1	620180	219376	None	Negligible
505	20/06/2022	C. Marzuoli	Elm	6	0.1	620176	219383	None	Negligible
506	20/06/2022	C. Marzuoli	Hawthorn	6	0	620172	219382	None	Negligible
507	20/06/2022	C. Marzuoli	Elm	5	0.1	620149	219412	None	Negligible
508	20/06/2022	C. Marzuoli	Hawthorn	4	0.1	620176	219420	None	Negligible
509	20/06/2022	C. Marzuoli	Hawthorn	4	0.1	620175	219409	None	Negligible
51	15/06/2022	P. Davies	Poplar	25	0.7	621122	218311	None	Negligible
510	20/06/2022	C. Marzuoli	Willow Sp.	6	0.1	620163	219426	None	Negligible
513	24/05/2022	J. Johnson	Field Maple	10	1	620054	220005	None	Negligible
514	24/05/2022	J. Johnson	Pedunculate Oak	11	0.7	619954	219929	None	Negligible
52	15/06/2022	P. Davies	Pedunculate Oak	20	0.4	621158	218372	None	Negligible
53	20/06/2022	C. Marzuoli	Poplar	16	0.3	620877	218437	None	Negligible
54	22/06/2022	P. Davies	Pedunculate Oak	20	0.3	620937	218443	None	Negligible
55	17/06/2022	P. Davies	Pedunculate Oak	20	0.6	620823	218579	None	Negligible
5504	25/05/2022	J. Johnson	Pedunculate Oak	12	0.8	620382	220229	None	Negligible
5505	25/05/2022	J. Johnson	Pedunculate Oak	10	0.7	620357	220207	None	Negligible
5507	25/05/2022	J. Johnson	Pedunculate Oak	7	0.4	620204	220099	None	Negligible
5508	24/05/2022	J. Johnson	Hawthorn	9	0.3	620155	220087	None	Negligible

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	Х	Y	PRFs present	Overall tree assessment
5510	24/05/2022	J. Johnson	Field Maple	10	0.8	620084	220025	None	Negligible
5577	23/06/2022	P. Davies	Elm	25	0.5	616709	223626	None	Negligible
5578	23/06/2022	P. Davies	Elm	25	0.5	616713	223616	None	Negligible
5580	09/06/2022	P. Davies	Pedunculate Oak	25	0.4	616748	223648	None	Negligible
5581	09/06/2022	P. Davies	Pedunculate Oak	25	1.1	616760	223600	None	Negligible
5596	25/05/2022	J. Johnson	Pedunculate Oak	10	0.4	619414	220742	None	Negligible
5603	31/05/2022	P. Davies	Ash	25	0.3	618408	223195	None	Negligible
5604	31/05/2022	P. Davies	Field Maple	20	0.3	618392	223180	None	Negligible
5606	31/05/2022	P. Davies	Pedunculate Oak	30	1.1	618357	223143	None	Negligible
5617	31/05/2022	P. Davies	Aspen	13	0.1	618181	222997	None	Negligible
5618	31/05/2022	P. Davies	Aspen	13	0.1	618173	222991	None	Negligible
5619	31/05/2022	P. Davies	Aspen	13	0.1	618161	222987	None	Negligible
5620	31/05/2022	P. Davies	Aspen	13	0.1	618154	222983	None	Negligible
5622	31/05/2022	P. Davies	Willow Sp.	10	0.3	618123	222978	None	Negligible
5625	31/05/2022	P. Davies	Pedunculate Oak	25	0.6	618472	222907	None	Negligible
5636	31/05/2022	P. Davies	Ash	20	0.4	618529	223064	None	Negligible
587	20/06/2022	C. Marzuoli	Field maple	13	0.2	620093	219604	None	Negligible
60	20/06/2022	C. Marzuoli	Sycamore	10	0.2	620408	218910	None	Negligible
6272	09/06/2022	P. Davies	Pedunculate Oak	25	0.3	616960	223878	None	Negligible
6273	09/06/2022	P. Davies	Pedunculate Oak	20	0.4	616960	223860	None	Negligible
6274	09/06/2022	P. Davies	Unknown – dead tree stump	0	0	616958	223846	None	Negligible
6275	09/06/2022	P. Davies	Hawthorn	10	0.2	616956	223831	None	Negligible
6277	09/06/2022	P. Davies	Hawthorn	10	0.2	616957	223799	None	Negligible
6280	12/06/2022	P. Davies	Unknown	0	0	614973	225642	None	Negligible
6281	11/06/2022	P. Davies	Unknown	0	0	615232	225334	None	Negligible

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	Х	Υ	PRFs present	Overall tree assessment
6309	08/06/2022	P. Davies	Willow Sp.	15	0.1	614115	226506	None	Negligible
6311	08/06/2022	P. Davies	Pedunculate Oak	25	0.6	614246	226248	None	Negligible
6312	08/06/2022	P. Davies	Pedunculate Oak	25	0.5	614251	226236	None	Negligible
6314	20/06/2022	R. Lane	Pedunculate Oak	4	0.2	621174	217670	None	Negligible
6315	20/06/2022	R. Lane	Pedunculate Oak	8	0.4	621140	217659	None	Negligible
6321	20/06/2022	R. Lane	Willow Sp.	2	0.1	620460	218491	None	Negligible
6323	20/06/2022	C. Marzuoli	Pedunculate Oak	4	0.1	620282	219175	None	Negligible
6345	15/06/2022	P. Davies	Elm	7	0.1	621204	218622	None	Negligible
6346	15/06/2022	P. Davies	Elm	6	0.1	621205	218610	None	Negligible
6347	15/06/2022	P. Davies	Elm	7	0.1	621204	218616	None	Negligible
6385	22/06/2022	P. Davies	Norway Maple	10	0.1	620152	221295	None	Negligible
6386	22/06/2022	P. Davies	Pedunculate Oak	10	0.1	620157	221293	None	Negligible
6387	22/06/2022	P. Davies	Cherry <i>Prunus</i> sp.	10	0.3	620161	221292	None	Negligible
6388	22/06/2022	P. Davies	Lilac Syringa vulgaris	4	0.1	620167	221289	None	Negligible
6394	22/06/2022	P. Davies	Pedunculate Oak	15	0.2	620182	221292	None	Negligible
6395	22/06/2022	P. Davies	Scots Pine Pinus sylvestris	25	0.4	620186	221287	None	Negligible
6396	22/06/2022	P. Davies	Scots Pine	20	0.2	620193	221285	None	Negligible
6397	22/06/2022	P. Davies	Pedunculate Oak	15	0.3	620197	221282	None	Negligible
6426	25/05/2022	J. Johnson	Pedunculate Oak	11	0.6	619875	220150	None	Negligible
6428	25/05/2022	J. Johnson	Unknown	8	1	619824	220059	None	Negligible
6432	25/05/2022	J. Johnson	Pedunculate Oak	12	0.3	619537	220392	None	Negligible
6496	17/06/2022	P. Davies	Pedunculate Oak	15	0.2	617684	223272	None	Negligible
6563	23/06/2022	P. Davies	Hawthorn	10	0.2	617030	223236	None	Negligible
6564	23/06/2022	P. Davies	Pedunculate Oak	13	0.1	617035	223229	None	Negligible
6565	23/06/2022	P. Davies	Pedunculate Oak	20	0.2	617044	223219	None	Negligible

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	Х	Y	PRFs present	Overall tree assessment
6566	23/06/2022	P. Davies	Pedunculate Oak	20	0.2	617050	223207	None	Negligible
6567	23/06/2022	P. Davies	Pedunculate Oak	20	0.3	617062	223199	None	Negligible
6568	23/06/2022	P. Davies	Pedunculate Oak	20	0.3	617069	223189	None	Negligible
67	26/05/2022	J. Johnson	Pedunculate Oak	15	1.2	620653	219288	None	Negligible
6809	06/06/2022	P. Davies	Field Maple	6	0.2	612692	226831	None	Negligible
6812	06/06/2022	P. Davies	Field Maple	6	0.1	612680	226845	None	Negligible
6813	06/06/2022	P. Davies	Pedunculate Oak	6	0.3	612675	226851	None	Negligible
6814	06/06/2022	P. Davies	Cherry	6	0.3	612688	226835	None	Negligible
6815	06/06/2022	P. Davies	Pedunculate Oak	6	0.3	612661	226871	None	Negligible
6816	06/06/2022	P. Davies	Cherry	6	0.2	612652	226882	None	Negligible
6817	06/06/2022	P. Davies	Field Maple	6	0.2	612643	226892	None	Negligible
6819	06/06/2022	P. Davies	Field Maple	6	0.1	612627	226913	None	Negligible
6820	06/06/2022	P. Davies	Pedunculate Oak	8	0.3	612619	226924	None	Negligible
6821	06/06/2022	P. Davies	Cherry	8	0.3	612612	226936	None	Negligible
6830	06/06/2022	P. Davies	Pedunculate Oak	10	0.3	612604	226945	None	Negligible
6831	06/06/2022	P. Davies	Sycamore	10	0.2	612601	226951	None	Negligible
6832	06/06/2022	P. Davies	Ash	10	0.3	612597	226957	None	Negligible
6833	06/06/2022	P. Davies	Pedunculate Oak	8	0.2	612585	226975	None	Negligible
6834	06/06/2022	P. Davies	Sycamore	8	0.2	612588	226969	None	Negligible
6835	06/06/2022	P. Davies	Pedunculate Oak	10	0.3	612565	227001	None	Negligible
6836	06/06/2022	P. Davies	Field Maple	10	0.2	612554	227016	None	Negligible
6837	06/06/2022	P. Davies	Sycamore	10	0.2	612558	227011	None	Negligible
6838	06/06/2022	P. Davies	Ash	10	0.2	612539	227036	None	Negligible
6839	06/06/2022	P. Davies	Field Maple	10	0.2	612542	227032	None	Negligible
6840	06/06/2022	P. Davies	Ash	10	0.2	612545	227026	None	Negligible
6841	06/06/2022	P. Davies	Sycamore	8	0.1	612569	226997	None	Negligible

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	Х	Υ	PRFs present	Overall tree assessment
6844	06/06/2022	P. Davies	Cherry	8	0.1	612526	227054	None	Negligible
6845	06/06/2022	P. Davies	Ash	10	0.1	612531	227048	None	Negligible
6866	23/06/2022	P. Davies	Ash	20	0.6	612467	227182	None	Negligible
6867	23/06/2022	P. Davies	Pedunculate Oak	8	0.3	612454	227214	None	Negligible
6868	23/06/2022	P. Davies	Pedunculate Oak	8	0	612451	227221	None	Negligible
6869	23/06/2022	P. Davies	Pedunculate Oak	10	0.3	612448	227230	None	Negligible
6870	23/06/2022	P. Davies	Pedunculate Oak	10	1	612439	227251	None	Negligible
6881	07/06/2022	P. Davies	Pedunculate Oak	10	0.3	612099	228086	None	Negligible
6882	07/06/2022	P. Davies	Pedunculate Oak	13	0.3	612089	228087	None	Negligible
7	20/06/2022	C. Marzuoli	Willow Sp.	8	0.1	622510	218498	None	Negligible
79	25/05/2022	J. Johnson	Elm	8	0.2	620404	219368	None	Negligible
80	20/06/2022	C. Marzuoli	Pedunculate Oak	11	0.5	620241	219501	None	Negligible
81	24/05/2022	J. Johnson	Pedunculate Oak	13	1.8	620202	219658	None	Negligible
82	24/05/2022	J. Johnson	Field Maple	10	0.8	620231	219670	None	Negligible
84	24/05/2022	J. Johnson	Pedunculate Oak	14	1.8	620289	219733	None	Negligible
86	24/05/2022	J. Johnson	Willow Sp.	9	0.4	620268	219685	None	Negligible
87	24/05/2022	J. Johnson	Pedunculate Oak	16	1.5	620410	219724	None	Negligible
89	24/05/2022	J. Johnson	Willow Sp.	8	0.6	620434	219732	None	Negligible
90	24/05/2022	J. Johnson	Willow Sp.	4	0.2	620393	219725	None	Negligible
91	24/05/2022	J. Johnson	Pedunculate Oak	12	1.1	620429	219655	None	Negligible
92	24/05/2022	J. Johnson	Pedunculate Oak	11	1	620432	219646	None	Negligible
93	24/05/2022	J. Johnson	Pedunculate Oak	12	0.5	620504	219752	None	Negligible
95	24/05/2022	J. Johnson	Pedunculate Oak	13	0.7	620342	220206	None	Negligible
97	25/05/2022	J. Johnson	Ash	13	0.5	620235	220110	None	Negligible
99	24/05/2022	J. Johnson	Field Maple	10	1.1	620072	220019	None	Negligible
99004	23/06/2022	P. Davies	Willow Sp.	20	0.3	622457	218481	None	Negligible

Tree ID	Survey date	Surveyor	Tree Species	Tree Height (m)	DBH (m)	Х	Υ	PRFs present	Overall tree assessment
99222	17/06/2022	P. Davies	Willow Sp.	8	0.3	617356	223722	None	Negligible
99250	10/06/2022	P. Davies	Pedunculate Oak	25	0.6	616391	223790	None	Negligible
109926	20/06/2022	C. Marzuoli	Willow Sp.	12	0.3	621559	219008	None	Negligible
109927	20/06/2022	C. Marzuoli	Pedunculate Oak	10	0.3	621544	219031	None	Negligible

APPENDIX A2: PRF data for all trees

Table 5.2: PRF details from GLTA data for all low, moderate, and high potential trees.

Tree ID	Eastings	Northings	Date	Surveyor	PRF ID	PRF Type	Height (m)	Aspect	Location	Category	Overall Category	Further Survey Notes
					5a	Rot hole	2.5	Southeast	Trunk	Moderate		
					5b	Rot hole	5	Southwest	Trunk	High		
5	622483	218489	20/06/ 2022	Chloe Marzuoli	5c	Rot hole	4.5	Southeast	Branch	Moderate	High	No - In Exclusion Zone
			2022	Warzaon	5d	Crack/split	5	North	Branch	Low		
					5e	Crack/split	3	Northwest	Branch	High		
			20/06/	Chloe	6a	Large hollow	8	Southeast	Trunk	Moderate		
6	622499	218493	2022	Marzuoli	6b	Branch end cavity/cracks	5	Southeast	Trunk	Low	Moderate	No - In Exclusion Zone
9	622545	218515	20/06/ 2022	Chloe Marzuoli	9a	Crack/split	6	Northwest	Branch	High	High	No - In Exclusion Zone
15	621594	218969	20/06/ 2022	Chloe Marzuoli	15a	Woodpecker hole	13	East	Branch	High	High	No - In Exclusion Zone
			20/06/	Chloe	17a	Large hollow	0.5	Southwest	Trunk	Moderate		
17	621575	218995	2022	Marzuoli	17b	Woodpecker hole	18	East	Branch	High	High	No - In Exclusion Zone
18	621557	219015	20/06/	Chloe	18a	Woodpecker hole	1.5	Northwest	Trunk	High	High	No - In Exclusion Zone
			2022	Marzuoli	18b	Other	7	West	Branch	Moderate		
			26/05/	Johnnie	23a	Woodpecker hole	3	East	Trunk	Moderate		
23	621300	218813	2022	Johnson	23b	Crack/split	5	West	Trunk	Low	Moderate	Yes
					23c	Crack/split	2	Northeast	Trunk	Low		
25	621218	218793	26/05/	Johnnie	25a	Other	3	North	Trunk	Moderate	Moderate	Yes
25	021218	218/93	2022	Johnson	25b	Other	5	North	Trunk	Low	Moderate	res
26	621204	218790	26/05/ 2022	Johnnie Johnson	26a	Other	8	West	Branch	Moderate	Moderate	Yes
27	621325	218858	26/05/ 2022	Johnnie Johnson	27a	Dense ivy	2	North	Trunk	Moderate	Moderate	Yes

29	621329	218913	26/05/ 2022	Johnnie Johnson	29a	Rot hole	1	Northeast	Trunk	Moderate	Moderate	Yes
30	621330	218923	26/05/		30a	Woodpecker hole	2	West	Trunk	High	High	Yes
			2022	Johnson	30b	Rot hole	1	Southwest	Trunk	Moderate		
31	621322	219027	26/05/ 2022	Johnnie Johnson	31a	Dense ivy	1	North	Trunk	Moderate	Moderate	Yes
33	621231	219027	26/05/ 2022	Johnnie Johnson	33a	Other	1.5	East	Trunk	Low	Low	No
36	621188	219027	26/05/ 2022	Johnnie Johnson	36a	Other	1.5	Southeast	Trunk	Low	Low	No
39	621130	218797	17/06/ 2022	Patrick Davies	39a	Other	11	Southeast	Trunk	Low	Low	No
40	621141	218808	17/06/ 2022	Patrick Davies	40a	Dense ivy	2	North	Trunk	Low	Low	No
42	621020	218789	17/06/ 2022	Patrick Davies	42a	Lifted bark	11	Southeast	Branch	Low	Low	No
44	621037	217946	15/06/ 2022	Patrick Davies	44a	Lifted bark	10	Southeast	Branch	Low	Low	No
45	621062	217972	15/06/ 2022	Patrick Davies	45a	Lifted bark	15	Southeast	Trunk	Low	Low	No
47	621090	218007	22/06/ 2022	Patrick Davies	47a	Woodpecker hole	12	East	Branch	High	High	Yes
62	620995	219248	26/05/ 2022	Johnnie Johnson	62a	Other	3	West	Trunk	Low	Low	No
63	620965	219324	26/05/	Johnnie	63a	Rot hole	0.5	West	Trunk	Low	Moderate	Yes
03	020903	219324	2022	Johnson	63b	Crack/split	8	Northeast	Trunk	Moderate	Widderate	163
					64a	Crack/split	2	South	Trunk	Moderate		
64	620942	219344		Johnnie	64b	Other	9	Northeast	Branch	Moderate	Moderate	Yes
04	020342	213344	2022	Johnson	64c	Other	8	West	Branch	Low	Wioderate	103
					64d	Lifted bark	9	West	Branch	Low		
			26/05/	lohnaia	65a	Other	3	South	Trunk	Moderate		
65	620927	219351	2022	Johnnie Johnson	65b	Other	3	North	Trunk	Moderate	Moderate	Yes
					65c	Other	3.5	South	Trunk	Low		
66	620883	219367	26/05/ 2022	Johnnie Johnson	66a	Other	6	Northwest	Trunk	Low	Low	No

02	620204	210762	24/05/	Johnnie	83a	Crack/split	9	North	Branch	Low		N _a
83	620284	219762	2022	Johnson	83b	Tear out	6	East	Branch	Low	Low	No
85	620295	219720	24/05/ 2022	Johnnie Johnson	85a	Tear out	7	West	Trunk	Moderate	Moderate	Yes
88	620475	219747	24/05/ 2022	Johnnie Johnson	88a	Dense ivy	1	South	Trunk	Moderate	Moderate	Yes
94	620320	220187	24/05/ 2022	Johnnie Johnson	94a	Dense ivy	3	Southeast	Trunk	Moderate	Moderate	Descoped after first survey
96	620332	220195	24/05/ 2022	Johnnie Johnson	96a	Dense ivy	3	Southeast	Trunk	Moderate	Moderate	Descoped after first survey
102	619983	220164	25/05/ 2022	Johnnie Johnson	102a	Crack/split	1	Southeast	Trunk	Moderate	Moderate	Yes
112	619934	221016	25/05/ 2022	Johnnie Johnson	112a	Other	2	North	Trunk	Moderate	Moderate	Yes
116	619718	221081	25/05/	Johnnie	116a	Other	4	Southwest	Branch	Low	Low	No
116	019/18	221081	2022	Johnson	116b	Tear out	4	South	Branch	Low	Low	No
			0= 10= 1		117a	Other	2	Northwest	Branch	Low		
117	619706	221103	25/05/ 2022	Johnnie Johnson	117b	Crack/split	2	Southeast	Trunk	Moderate	Moderate	Yes
			2022	3011113011	117c	Crack/split	1	East	Trunk	Moderate		
					118a	Rot hole	0	Northwest	Trunk	Moderate		
118	619701	221125	25/05/ 2022	Johnnie Johnson	118b	Other	2	West	Trunk	Moderate	Moderate	Yes
			2022	3011113011	118c	Lifted bark	4	West	Branch	Low		
119	619690	221158	25/05/	Johnnie	119a	Rot hole	0.5	Southwest	Trunk	Low	Moderate	Yes
119	019090	221136	2022	Johnson	119b	Tear out	2	West	Trunk	Moderate	Wioderate	ies
123	620006	221527	26/05/ 2022	Johnnie Johnson	123a	Rot hole	1	Northwest	Trunk	Moderate	Moderate	Yes
125	620048	221523	26/05/ 2022	Johnnie Johnson	125a	Crack/split	2	East	Trunk	Moderate	Moderate	Yes
126	620061	221521	26/05/ 2022	Johnnie Johnson	126a	Rot hole	1	Northeast	Trunk	Moderate	Moderate	Yes
128	619834	221662	26/05/ 2022	Johnnie Johnson	128a	Dense ivy	3	North	Trunk	Moderate	Moderate	Yes
129	619859	221677	26/05/	Johnnie	129a	Other	4	South	Trunk	Moderate	Moderate	Yes
123	013033	2210//	2022	Johnson	129b	Crack/split	6	North	Branch	Low	Wiodelate	103

131	619970	221774	25/05/ 2022	Johnnie Johnson	131a	Other	4	Southeast	Branch	Low	Low	No
					136a	Other	2	East	Trunk	Low		
136	619677	222025	26/05/ 2022	Johnnie Johnson	136b	Crack/split	3	East	Trunk	Moderate	Moderate	Yes
			2022	3011113011	136c	Tear out	3.5	East	Trunk	Moderate		
143	619258	222164	13/06/ 2022	Patrick Davies	143a	Lifted bark	20	Southeast	Branch	Low	Low	No
145	619292	222221	13/06/ 2022	Patrick Davies	145a	Dense ivy	2	Southeast	Trunk	Low	Low	No
					149a	Other	15	Southeast	Branch	Low		
149	619450	222297		Patrick	149b	Lifted bark	10	Southwest	Branch	Low	Low	No
			2022	Davies	149c	Branch end cavity/cracks	15	Southwest	Branch	Low		
150	C10420	222246	13/06/	Patrick	150a	Lifted bark	15	Southwest	Branch	Low	1	Ne
150	619438	222316	2022	Davies	150b	Crack/split	15	Southwest	Branch	Low	Low	No
153	619377	222413	13/06/ 2022	Patrick Davies	153a	Woodpecker hole	15	South	Trunk	High	High	Yes
154	619359	222440	13/06/ 2022	Patrick Davies	154a	Other	6	Southeast	Trunk	Low	Low	No
159	619106	222334	13/06/ 2022	Patrick Davies	159a	Crack/split	15	North	Branch	Low	Low	No
170	619150	222658	13/06/ 2022	Patrick Davies	170a	Lifted bark	15	Southwest	Branch	Low	Low	No
186	619000	223284	14/06/ 2022	Patrick Davies	186a	Lifted bark	17	South	Branch	Low	Low	No - Descoped
101	C1012F	222207	31/05/	Patrick	191a	Crack/split	7	Southeast	Branch	Low	1	No. Decembed
191	619125	223287	2022	Davies	191b	Other	8	Southeast	Branch	Low	Low	No - Descoped
197	619211	223259	31/05/ 2022	Patrick Davies	197a	Dense ivy	6	Northeast	Trunk	Low	Low	No - Descoped
204	618707	223365	30/05/ 2022	Patrick Davies	204a	Dense ivy	2	East	Trunk	Low	Low	No - Descoped
205	618671	223426	30/05/ 2022	Patrick Davies	205a	Lifted bark	10	Southwest	Branch	Low	Low	No - Descoped
206	618663	223414	30/05/ 2022	Patrick Davies	206a	Crack/split	10	Southwest	Branch	Moderate	Moderate	No - Descoped
212	618671	223465			212a	Dense ivy	6	Southwest	Trunk	Low	Moderate	No - Descoped

			30/05/	Patrick	212b	Lifted bark	10	West	Branch	Low		
			2022	Davies	212c	Lifted bark	11	North	Branch	Moderate		
					213a	Dense ivy	6	West	Trunk	Low		
					213b	Other	10	North	Branch	High		
213	618670	223480	30/05/ 2022	Patrick Davies	213c	Lifted bark	10	Northeast	Branch	Moderate	High	No - Descoped
			2022	Davies	213d	Crack/split	10	Northwest	Branch	High		
					213e	Crack/split	11	Southwest	Branch	High		
245	610672	222511	30/05/	Patrick	215a	Crack/split	5	North	Branch	Low	1	No. Decembed
215	618673	223511	2022	Davies	215b	Dense ivy	4	Northeast	Trunk	Low	Low	No - Descoped
216	618675	223530	30/05/ 2022	Patrick Davies	216a	Dense ivy	1	South	Trunk	Low	Low	No - Descoped
243	617649	223743	01/06/ 2022	Patrick Davies	243a	Woodpecker hole	7	West	Branch	High	High	No - Descoped
244	617629	223739	01/06/ 2022	Patrick Davies	244a	Tear out	15	Southwest	Branch	Low	Low	No - Descoped
					247a	Tear out	20	Southwest	Branch	High		
					247b	Woodpecker hole	18	West	Trunk	High		
247	617547	223722		Patrick	247c	Tear out	25	West	Branch	Low	High	Yes
			2022	Davies	247d	Other	20	South	Branch	Low		
					247e	Rot hole	20	South	Trunk	High		
					247f	Other	25	Southwest	Branch	Low		
252	617663	223791		Patrick	252a	Dense ivy	10	Northeast	Trunk	Low	Low	No - Descoped
232	017003	223791	2022	Davies	252b	Tear out	9	North	Branch	Low	LOW	No - Descoped
259	617510	223557	01/06/ 2022	Patrick Davies	259a	Dense ivy	10	North	Branch	Low	Low	No
					260a	Dense ivy	10	Northeast	Trunk	Low		
260	617496	223554	01/06/	Patrick	260b	Other	10	Northwest	Trunk	Low	1000	No
200	01/490	223334	2022	Davies	260c	Other	13	Southeast	Branch	Low	Low	INO
					260d	Other	23	Southeast	Branch	Low		
261	617470	223541	01/06/ 2022	Patrick Davies	261a	Dense ivy	10	East	Trunk	Low	Low	No

270	617320	223736	01/06/ 2022	Patrick Davies	270a	Dense ivy	8	Northeast	Trunk	Low	Low	No
					271a	Rot hole	1.5	East	Trunk	High		
271	617346	223722	01/06/ 2022	Patrick Davies	271b	Woodpecker hole	4	Northeast	Trunk	High	High	Yes
					271c	Tear out	15	East	Trunk	Low		
272	617376	223716	01/06/ 2022	Patrick Davies	272a	Other	3.5	Southeast	Branch	Low	Low	No
274	617414	223707	01/06/	Patrick	274a	Crack/split	15	West	Branch	Low	- Moderate	Yes
2/4	017414	223707	2022	Davies	274b	Other	10	Southeast	Branch	Moderate	Wioderate	165
					276a	Other	10	Southeast	Branch	Low		
276	617200	222772	01/06/	Patrick	276b	Other	10	Southeast	Branch	Low		No
276	617298	223772	2022	Davies	276c	Lifted bark	10	Northwest	Branch	Low	Low	No
					276d	Lifted bark	24	South	Branch	Low		
277	C170F1	222747	09/06/	Patrick	277a	Crack/split	10	Southwest	Branch	Low	1	Na
277	617251	223747	2022	Davies	277b	Other	12	East	Branch	Low	Low	No
278	617080	223604	09/06/ 2022	Patrick Davies	278a	Tear out	8	Southwest	Trunk	Low	Low	No
					334a	Other	10	Southeast	Branch	Moderate		
334	616861	223934	09/06/ 2022	Patrick Davies	334b	Crack/split	16	Southeast	Branch	Low	Moderate	No - In Exclusion Zone
			2022	Davies	334c	Crack/split	10	Northeast	Branch	Low		
265	616007	222720	09/06/	Patrick	365a	Crack/split	8	Southeast	Branch	Low	Low	No
365	616987	223728	2022	Davies	365b	Other	8	Southeast	Branch	Low	Low	No
369	616757	223613	09/06/ 2022	Patrick Davies	369a	Dense ivy	2	North	Trunk	Low	Low	No
370	616769	223576	09/06/ 2022	Patrick Davies	370a	Dense ivy	2	North	Trunk	Low	Low	No
371	616747	223631	09/06/ 2022	Patrick Davies	371a	Dense ivy	2	North	Trunk	Low	Low	No
381	616448	223840	10/06/ 2022	Patrick Davies	381a	Dense ivy	2	North	Trunk	Low	Low	No
388	616338	224073	10/06/ 2022	Patrick Davies	388a	Crack/split	15	South	Trunk	Low	Low	No

392	616133	224116	10/06/ 2022	Patrick Davies	392a	Tear out	7	Southeast	Trunk	Low	Low	No
394	616147	224311	10/06/ 2022	Patrick Davies	394a	Tear out	7	Southeast	Trunk	Low	Low	No
401	615766	224586	12/06/	Patrick	401a	Crack/split	7	North	Trunk	Moderate	Moderate	Yes
401	613700	224300	2022	Davies	401b	Crack/split	7	Southeast	Trunk	Moderate	iviouerate	res
406	615178	225099	11/06/ 2022	Patrick Davies	406a	Dense ivy	2	North	Trunk	Low	Low	No
407	615194	225133	11/06/	Patrick	407a	Dense ivy	2	North	Trunk	Low	Low	No
407	013134	223133	2022	Davies	407b	Crack/split	15	Southeast	Branch	Low	LOW	NO
408	615207	225174	11/06/ 2022	Patrick Davies	408a	Dense ivy	2	North	Trunk	Low	Low	No
422	614510	225904	10/06/ 2022	Patrick Davies	422a	Crack/split	16	Southeast	Branch	Low	Low	No
423	614540	225904	10/06/ 2022	Patrick Davies	423a	Rot hole	15	Southeast	Trunk	High	High	Yes
425	614557	225944	10/06/ 2022	Patrick Davies	425a	Rot hole	5	Southeast	Trunk	High	High	Yes
					432a	Woodpecker hole	15	Northeast	Trunk	High		
432	614612	226042		Patrick	432b	Crack/split	15	Southeast	Branch	Low	High	Yes
			2022	Davies	432c	Lifted bark	15	Southeast	Branch	Low		
					432d	Other	15	Northwest	Branch	Low		
436	614683	226110	08/06/ 2022	Patrick Davies	436a	Tear out	15	East	Branch	Low	Low	No
448	614251	226227	08/06/	Patrick	448a	Woodpecker hole	4	Northwest	Trunk	Moderate	Moderate	Yes
			2022	Davies	448b	Other	7	Southwest	Branch	Moderate		
450	614234	226333	08/06/ 2022	Patrick Davies	450a	Rot hole	1	East	Trunk	Moderate	Moderate	Yes
452	614238	226364	08/06/ 2022	Patrick Davies	452a	Rot hole	1	Southwest	Trunk	Moderate	Moderate	Yes
454	614299	226465	08/06/ 2022	Patrick Davies	454a	Crack/split	10	Northeast	Branch	Low	Low	No
460	613856	226715	06/06/ 2022	Patrick Davies	460a	Crack/split	3	Southwest	Branch	Low	Low	No

470	620365	218871	20/06/ 2022	Ross Lane	470a	Dense ivy	2	North	Trunk	Low	Low	No - Descoped
484	620277	219098	20/06/		484a	Woodpecker hole	4	East	Trunk	High	High	No - In Exclusion Zone.
			2022	Marzuoli	484b	Crack/split	4.5	East	Trunk	Low		Descoped in later revision
486	620217	219411	20/06/ 2022	Chloe Marzuoli	486a	Crack/split	4.5	Northwest	Branch	Low	Low	No - Descoped
491	620208	219381	20/06/ 2022	Chloe Marzuoli	491a	Other	5	Northwest	Branch	Low	Low	No - Descoped
495	620174	219360	20/06/ 2022	Chloe Marzuoli	495a	Dead	2	South	Trunk	Moderate	Moderate	No - In Exclusion Zone. Descoped in later revision
502	620170	219373	20/06/ 2022	Chloe Marzuoli	502a	Lifted bark	4	West	Trunk	Moderate	Moderate	No - In Exclusion Zone. Descoped in later revision
					511a	Woodpecker hole	7	Northeast	Trunk	High		
511	620123	219491	20/06/ 2022	Chloe Marzuoli	511b	Woodpecker hole	6	East	Trunk	High	High	No - In Exclusion Zone. Descoped in later revision
					511c	Woodpecker hole	9	North	Trunk	High		
515	619934	219923	24/05/ 2022	Johnnie Johnson	515a	Rot hole	3	Southeast	Trunk	Moderate	Moderate	Yes
1663	616821	223452	11/06/ 2022	Patrick Davies	1663a	Dense ivy	2	Northeast	Trunk	Low	Low	No
1665	64.6702	222244	10/06/	Patrick	1665a	Crack/split	15	Northeast	Branch	Moderate	NA - d	W
1665	616792	223344	2022	Davies	1665b	Other	14	Southeast	Branch	Low	Moderate	Yes
					1670a	Lifted bark	2	Southeast	Trunk	Moderate		
4.670	64.607.4	222442	09/06/	Patrick	1670b	Tear out	3	Northeast	Trunk	Low		W
1670	616874	223413	2022	Davies	1670c	Other	2	Northeast	Trunk	Low	Moderate	Yes
					1670d	Other	2.5	Southeast	Trunk	Low		
1677	616800	223477	11/06/ 2022	Patrick Davies	1677a	Dense ivy	2	East	Trunk	Low	Low	No
					1733a	Crack/split	3	Southeast	Trunk	Moderate		
1722	610022	220168	25/05/	Johnnie	1733b	Large hollow	3	Southwest	Trunk	Moderate	Madarata	Voc
1733	619922	220108	2022	Johnson	1733c	Other	4	South	Trunk	Moderate	Moderate	Yes
					1733d	Rot hole	0.5	North	Trunk	Moderate		

1735	619889	220157	25/05/ 2022	Johnnie Johnson	1735a	Crack/split	5	North	Branch	Low	Low	No
			0= (0= (1739a	Woodpecker hole	3	North	Trunk	Moderate		
1739	619603	221216	25/05/	Johnnie Johnson	1739b	Crack/split	4	Northwest	Trunk	Moderate	Moderate	Yes
			2022	3011113011	1739c	Woodpecker hole	4	West	Trunk	Moderate		
1740	619648	221203	25/05/	Johnnie	1740a	Crack/split	0.5	West	Trunk	Low	10,,,	No
1740	019046	221203	2022	Johnson	1740b	Lifted bark	7	West	Branch	Low	Low	NO
					1741a	Other	5	North	Trunk	Low		
1741	619660	221201	25/05/ 2022	Johnnie Johnson	1741b	Other	5	South	Trunk	Low	Low	No
			2022	301113011	1741c	Tear out	7	South	Trunk	Low		
					1742a	Lifted bark	15	Northeast	Branch	Low		
1742	617194	223417	11/06/ 2022	Patrick Davies	1742b	Rot hole	15	Northeast	Branch	Low	Low	No
			2022	Davies	1742c	Other	20	Southeast	Branch	Low		
					1743a	Lifted bark	15	Northeast	Branch	Low		
1743	617197	223423	11/06/ 2022	Patrick Davies	1743b	Rot hole	15	Northeast	Branch	Low	Low	No
			2022	Davies	1743c	Other	20	Southeast	Branch	Low		
1746	617277	223395	11/06/ 2022	Patrick Davies	1746a	Dense ivy	2	Southeast	Trunk	Moderate	Moderate	Yes
					1750a	Lifted bark	4	Southwest	Branch	Low		
1750	617358	223363	01/06/ 2022	Patrick Davies	1750b	Crack/split	2	Southeast	Trunk	Low	Moderate	Yes
					1750c	Rot hole	3	Southeast	Branch	Moderate		
1751	617362	223372	01/06/ 2022	Patrick Davies	1751a	Lifted bark	3	Southeast	Branch	Moderate	Moderate	Yes
1753	C1727F	222200	01/06/	Patrick	1752a	Crack/split	20	Southeast	Branch	Moderate	NA o dovoto	Vac
1752	617375	223389	2022	Davies	1752b	Dense ivy	1	Northeast	Trunk	Low	Moderate	Yes
1754	617383	223395	01/06/ 2022	Patrick Davies	1754a	Crack/split	20	West	Branch	Low	Low	No
1802	618823	222949	14/06/ 2022	Patrick Davies	1802a	Woodpecker hole	22	Northeast	Branch	High	High	Yes
1859	620972	218473	20/06/ 2022	Ross Lane	1859a	Branch end cavity/cracks	4	East	Branch	Low	Low	No - Descoped

1882	621192	218672	15/06/ 2022	Patrick Davies	1882a	Dense ivy	2	Northeast	Trunk	Low	Low	No
1916	621352	219134	20/06/ 2022	Chloe Marzuoli	1916a	Dense ivy	0	North	Trunk	Low	Low	No
1917	621357	219130	20/06/ 2022	Chloe Marzuoli	1917a	Dense ivy	0	North	Trunk	Low	Low	No
1918	621362	219124	20/06/ 2022	Chloe Marzuoli	1918a	Dense ivy	0	North	Trunk	Low	Low	No
1942	620554	219728	20/06/ 2022	Ross Lane	1942a	Other	13	South	Branch	Low	Low	No
1943	620556	219737	20/06/ 2022	Ross Lane	1943a	Branch end cavity/cracks	14	Northeast	Branch	Low	Low	No - Descoped
1944	620567	219742	20/06/ 2022	Ross Lane	1944a	Dense ivy	3	North	Trunk	Low	Low	No - Descoped
1947	620593	219755	20/06/ 2022	Ross Lane	1947a	Dense ivy	3	North	Trunk	Low	Low	No - Descoped
1948	620563	219766	20/06/ 2022	Ross Lane	1948a	Other	18	North	Branch	Low	Low	No - Descoped
			20/25/		1949a	Dense ivy	5	North	Trunk	Moderate		
1949	620545	219766	20/06/ 2022	Ross Lane	1949b	Large hollow	0.1	North	Trunk	Low	Moderate	No - In Exclusion Zone. Descoped in later revision
					1949c	Large hollow	3	North	Trunk	High		Description in later revision
1953	620562	219753	20/06/ 2022	Ross Lane	1953a	Lifted bark	3	North	Trunk	Low	Low	No - Descoped
					1954a	Dense ivy	5	North	Trunk	Low		
			20/06/		1954b	Tear out	3	South	Trunk	Moderate		
1954	620538	219753	20/06/ 2022	Ross Lane	1954c	Other	5	South	Trunk	Low	Moderate	No - In Exclusion Zone
					1954d	Lifted bark	5	South	Branch	Low		
					1954e	Other	10	South	Branch	Low		
2008	620115	221499	26/05/		2008a	Tear out	6	South	Branch	Low	Moderate	Yes
2000	020113	221133	2022	Johnson	2008b	Crack/split	4	West	Trunk	Moderate	Widderate	163
2149	615139	225010	11/06/ 2022	Patrick Davies	2149a	Dense ivy	2	Southwest	Trunk	Low	Low	No
2150	615131	224994	11/08/ 2022	Patrick Davies	2150a	Dense ivy	2	South	Trunk	Low	Low	No
2151	615097	224970	11/08/ 2022	Patrick Davies	2151a	Dense ivy	2	East	Trunk	Low	Low	No

					2189a	Woodpecker hole	4	North	Trunk	High		
2189	614198	226063	08/06/ 2022	Patrick Davies	2189b	Woodpecker hole	5	North	Trunk	High	High	Yes
					2189c	Woodpecker hole	6	North	Trunk	High		
2288	611732	227447	07/06/ 2022	Patrick Davies	2288a	Crack/split	20	Southeast	Trunk	Low	Low	No
2928	614762	226086	08/06/ 2022	Patrick Davies	2928a	Rot hole	6	Northeast	Branch	Low	Low	No
2935	614031	226749	23/06/ 2022	Patrick Davies	2935a	Dense ivy	2	Southeast	Trunk	Moderate	Moderate	Yes
			07/06/		2965a	Crack/split	15	Southeast	Branch	Low		
2965	612334	227953	07/06/ 2022	Patrick Davies	2965b	Large hollow	16	Southwest	Branch	Moderate	Moderate	Yes
					2965c	Rot hole	15	Southwest	Trunk	Moderate		
2966	612297	227962	07/06/ 2022	Patrick Davies	2966a	Lifted bark	5	Southeast	Branch	Low	Low	No
2007	611755	227618	07/06/	Patrick	2997a	Crack/split	25	Southwest	Branch	Low	Low	No
2997	611755	22/018	2022	Davies	2997b	Other	25	Southwest	Branch	Low	Low	No
2998	611728	227769	07/06/ 2022	Patrick Davies	2998a	Dense ivy	6	Southeast	Trunk	High	High	Yes
FF06	620276	220141	25/05/	Johnnie	5506a	Lifted bark	4	Northeast	Branch	Low	Low	No. Decembed
5506	620276	220141	2022	Johnson	5506b	Other	5	East	Branch	Low	Low	No - Descoped
5509	620148	220082	24/05/ 2022	Johnnie Johnson	5509a	Dense ivy	1	Northeast	Trunk	Low	Low	No
5579	616732	223654	09/06/ 2022	Patrick Davies	5579a	Dense ivy	1	Northeast	Trunk	Low	Low	No
5605	618375	223167	31/05/ 2022	Patrick Davies	5605a	Woodpecker hole	15	Southeast	Branch	High	High	Yes
			31/05/	Patrick	5607a	Woodpecker hole	5	Southeast	Trunk	High		
5607	618373	223100	2022	Davies	5607b	Lifted bark	6	Southeast	Trunk	Low	High	Yes
					5607c	Rot hole	15	Southwest	Branch	Low		
5608	618397	223088	31/05/ 2022	Patrick Davies	5608a	Woodpecker hole	6	Southeast	Trunk	High	High	Yes

					5608b	Woodpecker hole	7	Southeast	Trunk	Moderate		
					5608c	Lifted bark	9	Southeast	Branch	Low		
					5608d	Crack/split	10	Southeast	Trunk	Moderate		
					5608e	Other	7	Southwest	Branch	Low		
5609	618414	223074	31/05/ 2022	Patrick Davies	5609a	Other	3.5	Southeast	Branch	Low	Low	No
5610	618424	223067	31/05/	Patrick	5610a	Other	5	Southeast	Trunk	High	High	Yes
2010	018424	223007	2022	Davies	5610b	Other	5	Southeast	Trunk	High	півп	res
FC11	C10447	222056	31/05/	Patrick	5611a	Other	4	Southeast	Branch	Low	1	No
5611	618447	223056	2022	Davies	5611b	Other	5	Southwest	Branch	Low	Low	No
5612	618341	223072	31/05/	Patrick	5612a	Woodpecker hole	15	South	Trunk	High	High	Yes
3012	010341	223072	2022	Davies	5612b	Woodpecker hole	17	Northeast	Branch	Moderate	- High	res
5613	618281	223042	31/05/ 2022	Patrick Davies	5613a	Other	15	South	Branch	Low	Low	No
					5614a	Crack/split	5	West	Branch	Moderate		
5614	618469	222935	31/05/ 2022	Patrick Davies	5614b	Crack/split	5	Southwest	Branch	Moderate	Moderate	Yes
			2022	Davies	5614c	Other	4	Southeast	Branch	Low		
					5615a	Rot hole	8	Northeast	Branch	Moderate		
5615	618299	222963	31/05/ 2022	Patrick Davies	5615b	Lifted bark	10	Southwest	Branch	Low	Moderate	Yes
			2022	Davies	5615c	Crack/split	10	Southwest	Branch	Low		
5616	618212	223010	31/05/ 2022	Patrick Davies	5616a	Crack/split	4	Southeast	Trunk	Low	Low	No
5621	618137	222979	31/05/ 2022	Patrick Davies	5621a	Rot hole	3.5	Northwest	Trunk	Low	Low	No
					5626a	Other	14	Southwest	Branch	Low		
F636	619475	222065	31/05/	Patrick	5626b	Woodpecker hole	9	Northwest	Trunk	High	High	Ves
5626	618475	222865	2022	Davies	5626c	Woodpecker hole	10	Southeast	Trunk	High	High	Yes
					5626d	Lifted bark	12	Southeast	Trunk	Moderate		
5630	618473	222839			5630a	Dense ivy	3	Southwest	Trunk	Low	Moderate	Yes

			31/05/	Patrick	5630b	Other	5	Southwest	Trunk	Moderate		
			2022	Davies	5630c	Other	3.5	Southwest	Branch	Moderate		
			31/05/	Patrick	5635a	Other	2.5	North	Branch	Low		
5635	618522	223061	2022	Davies	5635b	Woodpecker hole	6	North	Branch	Moderate	Moderate	Yes
5668	617350	223349	01/06/ 2022	Patrick Davies	5668a	Other	4	Southwest	Trunk	Low	Low	No
6276	616956	223820	09/06/ 2022	Patrick Davies	6276a	Crack/split	1.5	Southwest	Trunk	Low	Low	No
6310	614239	226267	08/06/ 2022	Patrick Davies	6310a	Crack/split	15	Southeast	Branch	Moderate	Moderate	Yes
6313	621150	217615	20/06/ 2022	Ross Lane	6313a	Other	2	North	Branch	Low	Low	No
6316	621139	217646	20/06/ 2022	Ross Lane	6316a	Other	3	South	Trunk	Moderate	Moderate	No - In Exclusion Zone
6317	621132	217649	20/06/ 2022	Ross Lane	6317a	Other	4	East	Branch	Low	Low	No
6318	621129	217641	20/06/	Ross Lane	6318a	Crack/split	2	East	Trunk	Moderate	Moderate	No - In Exclusion Zone
0316	021129	217041	2022	NOSS Latte	6318b	Lifted bark	3	East	Branch	Moderate	Moderate	NO - III EXCIUSION ZONE
6319	621128	217636	20/06/	Ross Lane	6319a	Crack/split	1	East	Trunk	Moderate	- Moderate	No - In Exclusion Zone
0319	021120	217030	2022	NO33 Lane	6319b	Lifted bark	2	East	Branch	Low	Wioderate	NO - III EXCIUSION ZONE
6320	621133	217637	20/06/ 2022	Ross Lane	6320a	Crack/split	1	East	Trunk	Moderate	Moderate	No - In Exclusion Zone
6324	621007	218503	22/06/	Patrick	6324a	Crack/split	15	East	Branch	Low	Low	No - Descoped
0324	021007	210303	2022	Davies	6324b	Lifted bark	10	Southeast	Branch	Low	LOW	No Bescoped
6325	621138	218560	20/06/ 2022	Ross Lane	6325a	Branch end cavity/cracks	7	Southeast	Branch	Moderate	Moderate	No - In Exclusion Zone
			20/06/		6326a	Other	3	Northwest	Branch	Low		
6326	621145	218549	2022	Ross Lane	6326b	Branch end cavity/cracks	7	Northwest	Branch	Moderate	Moderate	No - In Exclusion Zone
					6327a	Branch end cavity/cracks	3	Southeast	Branch	Moderate		
6327		20/06/ 2022	Ross Lane	6327b	Branch end cavity/cracks	3	East	Branch	Low	Moderate	No - In Exclusion Zone	
					6327c	Branch end cavity/cracks	4	West	Branch	Moderate		

					6328a	Rot hole	2	West	Trunk	Moderate		
			20/06/		6328b	Lifted bark	3	Southeast	Branch	Low		
6328	621167	218540	2022	Ross Lane	6328c	Branch end cavity/cracks	6	Southeast	Branch	Moderate	Moderate	No - In Exclusion Zone
					6328d	Lifted bark	3	East	Branch	Low		
6329	621181	218544	20/06/ 2022	Ross Lane	6329a	Other	9	South	Branch	Moderate	Moderate	No - In Exclusion Zone
6339	621202	218552	20/06/	Ross Lane	6339a	Branch end cavity/cracks	6	South	Branch	Moderate	Moderate	No - In Exclusion Zone
			2022		6339b	Dense ivy	2	West	Trunk	Low		
C200	C201F1	221400	26/05/	Johnnie	6399a	Other	3	Northeast	Trunk	Low	1	Ne
6399	620151	221489	2022	Johnson	6399b	Tear out	4	Northwest	Branch	Low	Low	No
6818	612634	226905	06/06/ 2022	Patrick Davies	6818a	Dense ivy	2	East	Trunk	Low	Low	No
99007	621542	219028	23/06/ 2022	Patrick Davies	99007a	Rot hole	1	Northeast	Trunk	Moderate	Moderate	No - In Exclusion Zone
99012	620955	218443	22/06/ 2022	Patrick Davies	99012a	Branch end cavity/cracks	5	Southeast	Branch	Low	Low	No
99016	620805	218639	17/06/ 2022	Patrick Davies	99016a	Rot hole	5	Southeast	Branch	Moderate	Moderate	Yes
99113	620512	219409	24/05/ 2022	Johnnie Johnson	99113a	Other	2	West	Trunk	Moderate	Moderate	Yes
99125	620178	220097	24/05/	Johnnie	99125a	Other	4	North	Trunk	Moderate	Madarata	Yes
99123	020178	220097	2022	Johnson	99125b	Other	2	East	Trunk	Moderate	Moderate	res
					99126a	Woodpecker hole	4	Southeast	Trunk	Moderate		
99126	619875	220136	25/05/ 2022	Johnnie Johnson	99126b	Woodpecker hole	4	Southeast	Trunk	Moderate	Moderate	Yes
					99126c	Woodpecker hole	5	Southeast	Trunk	Moderate		
					99128a	Tear out	4	East	Trunk	Moderate		
99128	619903	220174	25/05/ 2022	Johnnie Johnson	99128b	Rot hole	6	Northeast	Branch	Low	Moderate	Yes
			2022	301113011	99128c	Tear out	8	Northwest	Branch	Moderate]	
99129	619899	220188	25/05/ 2022	Johnnie Johnson	99129a	Dense ivy	2	North	Trunk	Moderate	Moderate	Yes

99130	619941	220169	25/05/ 2022	Johnnie Johnson	99130a	Tear out	6	Northeast	Trunk	Moderate	Moderate	Yes
					99137a	Other	7	Northeast	Trunk	High		
99137	619833	221027	25/05/ 2022	Johnnie Johnson	99137b	Branch end cavity/cracks	7	Northwest	Branch	Low	High	Yes
			2022	301113011	99137c	Branch end cavity/cracks	7	Northeast	Branch	Low		
					99149a	Lifted bark	20	South	Branch	Low		
99149	619300	222182	13/06/ 2022	Patrick Davies	99149b	Other	25	Northeast	Branch	Moderate	Moderate	Yes
			2022	Davies	99149c	Rot hole	7	Southeast	Trunk	Low		
99150	619238	222153	13/06/ 2022	Patrick Davies	99150a	Dense ivy	1	Southeast	Trunk	Moderate	Moderate	Yes
99152	619099	222343	13/06/	Patrick	99152a	Dense ivy	1	Southeast	Trunk	Moderate	Madarata	Yes
99152	619099	222343	2022	Davies	99152b	Other	10	Northeast	Branch	Low	Moderate	res
00464	640000	222064	14/06/	Patrick	99161a	Rot hole	12	South	Branch	Low	1	N -
99161	618803	222861	2022	Davies	99161b	Rot hole	25	South	Branch	Low	Low	No
					99162a	Woodpecker hole	6	Northwest	Trunk	High		
99162	618831	222946	14/06/ 2022	Patrick Davies	99162b	Woodpecker hole	6	Northwest	Trunk	High	High	Yes
					99162c	Woodpecker hole	11	Southeast	Trunk	High		
					99172a	Lifted bark	2	Southeast	Trunk	Low		
99172	618350	223133		Patrick	99172b	Rot hole	8	Southwest	Branch	Moderate	_ High	Yes
			2022	Davies	99172c	Woodpecker hole	7	Southwest	Trunk	High		
					99205a	Rot hole	20	Southeast	Trunk	High		
99205	617429	223494	17/06/ 2022	Patrick Davies	99205b	Branch end cavity/cracks	13	Southeast	Branch	Moderate	High	Yes
			2022	Davies	99205c	Branch end cavity/cracks	10	Southwest	Branch	High		
					99210a	Rot hole	15	Southeast	Trunk	High		
99210	617266	223405	-	Patrick	99210b	Lifted bark	16	Southeast	Branch	Moderate	_ High	Yes
			2022	Davies	99210c	Woodpecker hole	16	Southeast	Trunk	High]	

					99210d	Woodpecker hole	16	Southeast	Trunk	High		
					99210e	Woodpecker hole	14	Southeast	Trunk	High		
					99210f	Woodpecker hole	16	South	Branch	High		
					99210g	Crack/split	11	Southeast	Branch	Moderate		
					99211a	Woodpecker hole	15	Northeast	Trunk	Low		
99211	617241	223406	11/06/ 2022	Patrick Davies	99211b	Woodpecker hole	16	Northeast	Trunk	High	High	Yes
					99211c	Woodpecker hole	25	Southeast	Trunk	High		
					99213a	Woodpecker hole	14	North	Branch	Low		
					99213b	Rot hole	16	North	Trunk	High		
99213	617311	223474	11/06/	Patrick	99213c	Lifted bark	22	North	Branch	Low	High	Voc
99213	01/311	223474	2022	Davies	99213d	Lifted bark	27	North	Branch	Moderate	High	Yes
					99213e	Woodpecker hole	16	East	Branch	Moderate		
					99213f	Lifted bark	15	Southeast	Branch	Low		
					99215a	Woodpecker hole	16	Southeast	Trunk	High		
99215	617339	223511	11/06/ 2022	Patrick Davies	99215b	Woodpecker hole	16	Southeast	Trunk	High	High	Yes
					99215c	Woodpecker hole	16	Southeast	Trunk	High		
99219	617291	223638	11/06/ 2022	Patrick Davies	99219a	Rot hole	5	Northeast	Trunk	Moderate	Moderate	Yes
99223	617297	223718	09/06/ 2022	Patrick Davies	99223a	Rot hole	17	Northwest	Branch	Moderate	Moderate	Yes
99234	616832	223653	09/06/ 2022	Patrick Davies	99234a	Other	17	South	Branch	Low	Low	No
99248	616292	223747	10/06/ 2022	Patrick Davies	99248a	Dense ivy	4	South	Trunk	High	High	Yes
99252	616950	223907	09/06/ 2022	Patrick Davies	99252a	Lifted bark	1	South	Trunk	Moderate	Moderate	No - In Exclusion Zone

					99254a	Woodpecker hole	5	Southeast	Trunk	High		
					99254b	Woodpecker hole	6	Southeast	Trunk	Low		
00254	C1 C002	222026	09/06/	Patrick	99254c	Woodpecker hole	5	Southwest	Trunk	High	11:-4	No. In Evaluation Zone
99254	616882	223926	2022	Davies	99254d	Woodpecker hole	5	Southwest	Trunk	High	- High	No - In Exclusion Zone
					99254e	Lifted bark	8	Southeast	Branch	Low		
					99254f	Lifted bark	15	Southeast	Branch	Low		
					99254g	Crack/split	15	Southeast	Branch	Moderate		
					99255a	Large hollow	6	Southeast	Branch	High		No - In Exclusion Zone.
99255	616888	223930	23/06/ 2022	Patrick Davies	99255b	Crack/split	10	Southwest	Branch	Moderate	High	Surveyed with an adjacent project and found to be a Roost.
					99256a	Large hollow	24	Northwest	Branch	High		
99256	616853	223942	23/06/ 2022	Patrick Davies	99256b	Woodpecker hole	23	Northwest	Trunk	High	High	No - In Exclusion Zone
					99256c	Rot hole	15	Southwest	Branch	Low		
			09/06/	Patrick	99257a	Woodpecker hole	10	Northeast	Trunk	High		
99257	616840	223945	2022	Davies	99257b	Tear out	14	Northeast	Branch	Low	High	No - In Exclusion Zone
					99257c	Tear out	15	Northeast	Branch	Low		
99268	616527	224167	01/20/ 2021	NF RHDHV	99268a	Unspecified (large tree)	2	South	Trunk	Moderate	Moderate	Yes
					99327a	Branch end cavity/cracks	15	Northwest	Branch	Moderate		
99327	622524	218506	23/06/ 2022	Patrick Davies	99327b	Branch end cavity/cracks	17	Northwest	Branch	Moderate	Moderate	No - In Exclusion Zone
					99327c	Branch end cavity/cracks	10	Northeast	Branch	Low		
99330	621340	218776	16/06/ 2022	Patrick Davies	99330a	Rot hole	10	Southeast	Branch	Low	Low	No
99348	616531	224153	01/20/ 2021	NF RHDHV	99348a	Unspecified (large tree)	2	South	Trunk	Moderate	Moderate	Yes
99352	615723	224513	12/06/ 2022	Patrick Davies	99352a	Crack/split	7	East	Trunk	Moderate	Moderate	Yes

99353	615745	224553	12/06/ 2022	Patrick Davies	99353a	Dense ivy	1	South	Trunk	Moderate	Moderate	Yes
99369	615513	225138	12/06/ 2022	Patrick Davies	99369a	Dense ivy	2	South	Trunk	Moderate	Moderate	Yes
99370	615488	225118	12/06/	Patrick	99370a	Dense ivy	2	South	Trunk	Low	Low	No
33370	013488	223118	2022	Davies	99370b	Lifted bark	14	North	Trunk	Low	LOW	110
99371	615441	225092	12/06/ 2022	Patrick Davies	99371a	Dense ivy	2	South	Trunk	Moderate	Moderate	Yes
99372	615392	225055	12/06/	Patrick	99372a	Dense ivy	2	South	Trunk	Moderate	- Moderate	Yes
33372	013332	223033	2022	Davies	99372b	Crack/split	4	North	Branch	Moderate	Wioderate	103
					99388a	Large hollow	7	Southeast	Trunk	High		
			12/06/	Patrick	99388b	Large hollow	8	Northeast	Trunk	High		
99388	614926	225174	2022	Davies	99388c	Branch end cavity/cracks	9	Northeast	Branch	High	High	Yes
					99388d	Crack/split	9	Southeast	Trunk	Moderate		
99390	614887	225226	12/06/ 2022	Patrick Davies	99390a	Crack/split	6	Southeast	Trunk	Moderate	Moderate	No - In Exclusion Zone
99391	614904	225266	12/06/ 2022	Patrick Davies	99391a	Tear out	3.5	Southeast	Trunk	Moderate	Moderate	No - In Exclusion Zone
99460	611688	227790	07/06/ 2022	Patrick Davies	99460a	Dense ivy	2	South	Trunk	High	High	No - In Exclusion Zone
10991	614304	226474	10/06/ 2022	Patrick Davies	10991a	Rot hole	0	Southeast	Trunk	Moderate	Moderate	Yes
					10992a	Woodpecker hole	15	Southeast	Trunk	High		
10992	614529	225899	16/06/ 2022	Patrick Davies	10992b	Woodpecker hole	15	Southeast	Trunk	High	High	Yes
					10992c	Other	10	Southeast	Trunk	High		
					109928a	Rot hole	3.5	South	Branch	High		
					109928b	Lifted bark	5	South	Branch	Low		
10992	622523	218504	20/06/		109928c	Crack/split	5	East	Branch	Moderate] High	No - In Exclusion Zone
8			2022	Marzuoli	109928d	Branch end cavity/cracks	7	East	Branch	High		NO - In Exclusion Zone
					109928e	Crack/split	7	East	Branch	Low		

					109928f	Woodpecker hole	8	Northwest	Branch	High		
10992 9	622453	218469	20/06/ 2022	Chloe Marzuoli	109929a	None	0	South	Trunk	Low	Low	No



APPENDIX B: Tree Survey data of Woodland blocks

Table 6: Preliminary Assesment data for woodland blocks

Woodland ID	Survey Date	Surveyor	X Centroid	Y Centroid	Tree Species Present	Estimated Trees >10cm	PRF Types Present	Estimated PRF per tree %	Preliminary Assessment	Comments
4	14/10/2022	J. Johnson	614858	225276	Pedunculate oak <i>Quercus</i> robur., sweet chestnut Castanea sativa., Tilia sp,, hawthorn Crategus monogyna., and holly Ilex aquifolium.	80	Branch end cavity/cracks, crack/split, unspecified (large tree), woodpecker hole	20	Moderate	Woodpecker holes and numerous PRFs present good foraging habitat and large waterbodies adjacent
5	13/10/2022	J. Johnson	614961	224991	Pedunculate Oak, Poplar Sp Populus., Hawthorn, Ash Fraxinus excelsior., Field maple Acer Campestre., Holly	70	Dense ivy	15	Moderate	Dense ivy present on poplar which highly unlikely that PRFs present on tree but suitable summer day roosts, scattered mature oak on boundary adjacent to field dense ivy covered PRFs potentially present under ivy. Large waterbodies and foraging areas present
8	13/10/2022	J. Johnson	619046	222468	Pedunculate Oak, Ash, Hawthorn, Conifer <i>Pinophya.</i> , Blackthorn <i>Prunus spinosa.</i> , Elder <i>Sambucus nigra</i> .	30	Crack/split, lifted bark, rot hole, Woodpecker hole	20	Moderate	Mature oak, good flight paths, numerous PRFs observed, foraging and large water bodies adjacent
11	13/10/2022	J. Johnson	619794	221007	Pedunculate Oak, Hawthorn	80	Branch end cavity/cracks, Crack/split, Lifted bark, Woodpecker hole	25	Moderate	Established P. oak woodland clear flight paths observed, with numerous PRFs present and standing dead trees
15	13/10/2022	J. Johnson	620302	219295	Pedunculate Oak, Willow Sp Salix alba.	80	Crack/split	30	Moderate	Mature oaks, mature crack willow, good foraging habitat and water bodies in area
99503	13/10/2022	J. Johnson	617806	223073	Ash, Pedunculate Oak, Hawthorn, Sycamore <i>Acer</i>	80	Branch end cavity/cracks, Crack/split, Other,	15	Moderate	Mature oak trees and scattered ash, oak with



Woodland ID	Survey Date	Surveyor	X Centroid	Y Centroid	Tree Species Present	Estimated Trees >10cm	PRF Types Present	Estimated PRF per tree %	Preliminary Assessment	Comments
					pseudoplatanus, Blackthorn, Elder		Unspecified (large tree), Woodpecker hole			dense ivy clad present, good foraging due to adjacent stables and manure piles and pond
1	13/10/2022	J. Johnson	612379	227893	Pedunculate Oak, Other, Poplar Sp., Sweet chestnut, Cherry <i>Prunus.</i> , and Elder	75	None	5	Low	Young plantation, 20 to 30 years old, no PRFs observed, due to leaf coverage it has been marked as a low, there are a few mature oak within and along the boundary
2	13/10/2022	J. Johnson	613999	226736	Pedunculate Oak, Hawthorn, Blackthorn and Elder	40	Dense ivy	10	Low	P. oak with dense ivy
6	13/10/2022	J. Johnson	616471	224045	Ash, Pedunculate Oak, Hawthorn and Field maple	4	None	10	Low	Young, scattered woodland, Ash a few mature P.oak along boundary.
9	13/10/2022	J. Johnson	619334	222555	Pedunculate Oak, Hawthorn, Scots pine <i>Pinus sylvestris.</i> , and Field maple.	20	Lifted bark	10	Low	A few mature oaks, in leaf could potentially be hiding PRFs within, suitable foraging habitat and waterbodies in close proximity.
10	13/10/2022	J. Johnson	619031	222219	Ash, Pedunculate Oak and Conifers sp.	70	Crack/split	10	Low	Conifer plantation, scattered mature oak on boundary with mature; standing dead P. oak. Note; observed someone present in the caravan within woodland
17	13/10/2022	J. Johnson	612111	227634	Holly, Pedunculate Oak, Beech, Cherry and laurel Laurus nobilis.	15	Dense ivy, Rot hole, Unspecified (large tree), Wood pecker hole	10	Low	Standing dead with woodpecker holes, mature oaks and ivy.
18	14/10/2022	J. Johnson	615956	224728	Pedunculate Oak, Other, Sycamore, Hawthorn, Sweet chestnut, Scots Pine, Ash,	75	Branch end cavity/cracks, lifted bark, rot hole, unspecified (large tree).	5	Low	Young plantation, woodland adjacent, and ash trees supporting PRFs.



Woodland ID	Survey Date	Surveyor	X Centroid	Y Centroid	Tree Species Present	Estimated Trees >10cm	PRF Types Present	Estimated PRF per tree %	Preliminary Assessment	Comments
					Blackthorn, Conifers, Dogwood <i>Conus.,</i> and Holly.					
99509	13/10/2022	J. Johnson	616032	224002	Scots pine, Birch Sp Betula., Pedunculate Oak, Sweet chestnut, Ash, Holly	80	Woodpecker hole	10	Low	Scots pine plantation, young and juvenile p. oak, birch and sweet chestnut. Woodpecker holes may be present on s.pine none observed during time of survey. Area suitable for tawny owls.
99525	14/10/2022	J. Johnson	615405	225009	Pedunculate Oak, Hawthorn, Birch Sp., Blackthorn, Elder, Holly	60	Other, Unspecified (large tree)	10	Low	Unable to view some trees due to dense vegetation, due to mature oaks present a low has been given. Good foraging habitat, waterbodies adjacent.
3	13/10/2022	J. Johnson	614331	226074	Ash, Pedunculate Oak, Willow Sp.	75	None	5	Negligible	Unable to seen any PRFs present within small woodland pocket, willow and mature p. oak surrounding small wet pond
13	14/10/2022	J. Johnson	619280	220365	Ash, Pedunculate Oak, Field maple, Cherry,	75	None	2	Negligible	Young plantation no PRFs observed
14	13/10/2022	J. Johnson	620548	219718	Other, Pedunculate Oak, Willow Sp., Hawthorn, Conifer sp., Dogwood, Cherry	40	None	5	Negligible	Conifer plantation, young sliver willow, rare p. oak, cherry, and hawthorn, no PRFs observed within woodland area
99410	14/10/2022	J. Johnson	619932	220387	Ash, Pedunculate Oak, Alder, Sweet chestnut, Field, maple, Cherry	80	Lifted bark	1	Negligible	Roughly 20 to 30 year old plantation. Show signs of squirrel damage on bark, causing lifted bark on numerous ash but not suitable for roosts.
16	N/A	N/A	612382	227693	N/A	N/A	N/A	N/A	N/A	ACCESS DENIED



APPENDIX C: Tree Survey data

Table 7: Trees survey data

Tree ID	Survey 1 Date	Dusk/ Dawn	Survey 2 Date	Dusk/ Dawn	Survey 3 Date	Dusk/ Dawn	Survey outcome	Final Assessment
271	28/07/2022	Dusk	12/08/2022	Dawn	22/09/2022	Dusk	Roost	Roost
274	28/07/2022	Dusk	12/08/2022	Dawn	22/09/2022	Dusk	Roost	Roost
452	10/08/2022	Dusk	30/08/2022	Dusk	23/09/2022	Dawn	Roost	Roost
99126	05/05/2022	Dusk	03/08/2022	Dawn	07/09/2022	Dusk	Roost	Roost
99255	11/05/2022	Dusk	07/07/20233	Dawn	08/09/2022	Dusk	Roost	Roost
99352	17/05/2022	Dusk	07.09 DAWN	Dawn	05/09/2022	Dusk	Roost	Roost
99388	16/05/2022	Dusk	05/07/2022	Dawn	10/08/2022	Dawn	Roost	Roost
153	27/07/2022	Dawn	15/08/2022	Dusk	01/09/2022	Dusk	Likely absent.	High potential. Review in 2 years
1802	27/07/2022	Dawn	11/08/2022	Dusk	08/09/2022	Dusk	Likely absent.	High
2189	18/08/2022	Dawn	25/08/2022	Dusk	21/09/2022	Dusk	Likely absent.	High
247	28/07/2022	Dusk	12/08/2022	Dawn	27/09/2022	Dusk	Likely absent.	High
2998	04/08/2022	Dusk	19/08/2022	Dawn	28/09/2022	Dawn	Likely absent.	High



Tree ID	Survey 1 Date	Dusk/ Dawn	Survey 2 Date	Dusk/ Dawn	Survey 3 Date	Dusk/ Dawn	Survey outcome	Final Assessment
30	25/07/2022	Dusk	09/08/2022	Dusk	22/09/2022	Dawn	Likely absent.	High
423	17/08/2022	Dusk	31/08/2022	Dawn	21/09/2022	Dusk	Likely absent.	High
425	16/08/2022	Dusk	31/08/2022	Dawn	20/09/2022	Dusk	Likely absent.	High
432	16/08/2022	Dusk	31/08/2022	Dawn	20/09/2022	Dusk	Likely absent.	High
47	25/07/2022	Dusk	09/08/2022	Dusk	24/08/2022	Dawn	Likely absent.	High
5605	28/07/2022	Dawn	11/08/2022	Dusk	31/08/2022	Dusk	Likely absent.	High
5607	27/07/2022	Dusk	11/08/2022	Dawn	31/08/2022	Dusk	Likely absent.	High
5608	27/07/2022	Dusk	11/08/2022	Dawn	05/09/2022	Dusk	Likely absent.	High
5610	27/07/2022	Dusk	11/08/2022	Dawn	05/09/2022	Dusk	Likely absent.	High
5612	27/07/2022	Dusk	11/08/2022	Dawn	05/09/2022	Dusk	Likely absent.	High
5626	27/07/2022	Dusk	11/08/2022	Dawn	01/09/2022	Dusk	Likely absent.	High
99137	03/05/2022	Dusk	03/07/2022	Dawn	28/07/2022	Dawn	Likely absent.	High
99162	09/05/2022	Dusk	27/07/2022	Dawn	11/08/2022	Dusk	Likely absent.	High
99172	10/05/2022	Dusk	28/07/2022	Dawn	11/08/2022	Dusk	Likely absent.	High
99205	13/05/2022	Dusk	28/07/2022	Dusk	12/08/2022	Dawn	Likely absent.	High



Tree ID	Survey 1 Date	Dusk/ Dawn	Survey 2 Date	Dusk/ Dawn	Survey 3 Date	Dusk/ Dawn	Survey outcome	Final Assessment
99210	13/05/2022	Dusk	08/07/2022	Dawn	01/08/2022	Dusk	Likely absent.	High
99211	13/05/2022	Dusk	08/07/2022	Dawn	01/08/2022	Dusk	Likely absent.	High
99213	13/05/2022	Dusk	08/07/2022	Dawn	01/08/2022	Dusk	Likely absent.	High
99215	13/05/2022	Dusk	08/07/2022	Dawn	01/08/2022	Dusk	Likely absent.	High
99248	10/06/2022	Dusk	06/07/2022	Dawn	04/08/2022	Dusk	Likely absent.	High
10992	17/08/2022	Dusk	31/08/2022	Dawn	21/09/2022	Dusk	Likely absent.	High
102	26/07/2022	Dusk	22/09/2022	Dawn		N/A	Likely absent.	Moderate
112	28/07/2022	Dawn	31/08/2022	Dusk		N/A	Likely absent.	Moderate
117	29/07/2022	Dawn	31/08/2022	Dusk		N/A	Likely absent.	Moderate
118	29/07/2022	Dawn	31/08/2022	Dusk		N/A	Likely absent.	Moderate
119	28/07/2022	Dawn	30/08/2022	Dusk		N/A	Likely absent.	Moderate
123	02/08/2022	Dusk	09/09/2022	Dawn		N/A	Likely absent.	Moderate
125	02/08/2022	Dusk	09/09/2022	Dawn		N/A	Likely absent.	Moderate
126	02/08/2022	Dusk	09/09/2022	Dawn		N/A	Likely absent.	Moderate
128	02/08/2022	Dusk	09/09/2022	Dawn		N/A	Likely absent.	Moderate



Tree ID	Survey 1 Date	Dusk/ Dawn	Survey 2 Date	Dusk/ Dawn	Survey 3 Date	Dusk/ Dawn	Survey outcome	Final Assessment
129	02/08/2022	Dusk	09/09/2022	Dawn		N/A	Likely absent.	Moderate
136	27/07/2022	Dawn	23/08/2022	Dusk		N/A	Likely absent.	Moderate
1665	29/07/2022	Dawn	22/08/2022	Dusk		N/A	Likely absent.	Moderate
1670	01/08/2022	Dusk	30/09/2022	Dawn		N/A	Likely absent.	Moderate
1733	26/07/2022	Dusk	29/09/2022	Dawn		N/A	Likely absent.	Moderate
1739	28/07/2022	Dawn	30/08/2022	Dusk		N/A	Likely absent.	Moderate
1746	01/08/2022	Dusk	30/09/2022	Dawn		N/A	Likely absent.	Moderate
1750	28/07/2022	Dusk	01/09/2022	Dawn		N/A	Likely absent.	Moderate
1751	28/07/2022	Dusk	01/09/2022	Dawn		N/A	Likely absent.	Moderate
1752	28/07/2022	Dusk	01/09/2022	Dawn		N/A	Likely absent.	Moderate
2008	02/08/2022	Dusk	09/09/2022	Dawn		N/A	Likely absent.	Moderate
23	25/07/2022	Dusk	21/09/2022	Dawn		N/A	Likely absent.	Moderate
25	25/07/2022	Dusk	21/09/2022	Dawn		N/A	Likely absent.	Moderate
26	25/07/2022	Dusk	21/09/2022	Dawn		N/A	Likely absent.	Moderate
27	25/07/2022	Dusk	27/09/2022	Dawn		N/A	Likely absent.	Moderate



Tree ID	Survey 1 Date	Dusk/ Dawn	Survey 2 Date	Dusk/ Dawn	Survey 3 Date	Dusk/ Dawn	Survey outcome	Final Assessment
29	26/07/2022	Dawn	09/08/2022	Dusk		N/A	Likely absent.	Moderate
2965	04/08/2022	Dusk	23/08/2022	Dawn		N/A	Likely absent.	Moderate
31	25/07/2022	Dusk	22/09/2022	Dawn		N/A	Likely absent.	Moderate
401	17/08/2022	Dawn	05/09/2022	Dusk		N/A	Likely absent.	Moderate
448	10/08/2022	Dusk	02/09/2022	Dawn		N/A	Likely absent.	Moderate
450	10/08/2022	Dusk	02/09/2022	Dawn		N/A	Likely absent.	Moderate
515	26/07/2022	Dusk	25/08/2022	Dawn		N/A	Likely absent.	Moderate
5614	27/07/2022	Dusk	29/09/2022	Dawn		N/A	Likely absent.	Moderate
5615	29/07/2022	Dawn	11/08/2022	Dusk		N/A	Likely absent.	Moderate
5630	29/07/2022	Dawn	01/09/2022	Dusk		N/A	Likely absent.	Moderate
5635	27/07/2022	Dusk	29/09/2022	Dawn		N/A	Likely absent.	Moderate
63	26/07/2022	Dawn	30/08/2022	Dusk		N/A	Likely absent.	Moderate
6310	10/08/2022	Dusk	02/09/2022	Dawn		N/A	Likely absent.	Moderate
64	26/07/2022	Dawn	30/08/2022	Dusk		N/A	Likely absent.	Moderate
65	26/07/2022	Dawn	30/08/2022	Dusk		N/A	Likely absent.	Moderate



Tree ID	Survey 1 Date	Dusk/ Dawn	Survey 2 Date	Dusk/ Dawn	Survey 3 Date	Dusk/ Dawn	Survey outcome	Final Assessment
85	26/07/2022	Dusk	06/09/2022	Dawn		N/A	Likely absent.	Moderate
88	26/07/2022	Dusk	06/09/2022	Dawn		N/A	Likely absent.	Moderate
2935	No access from la	ndowner					N/A	Moderate
94	26/07/2022	Dusk	Descoped					
96	26/07/2022	Dusk	Descoped					
99016	09/06/2022	Dusk	26/07/2022	Dawn	09/08/2022	Dusk	Likely absent.	Moderate
99113	11/06/2022	Dusk	28/09/2022	Dawn		N/A	Likely absent.	Moderate
99125	05/05/2022	Dusk	29/06/2022	Dawn		N/A	Likely absent.	Moderate
99128	05/05/2022	Dusk	03/08/2022	Dawn		N/A	Likely absent.	Moderate
99129	03/08/2022	Dawn	07/09/2022	Dusk		N/A	Likely absent.	Moderate
99130	05/05/2022	Dusk	29/06/2022	Dawn		N/A	Likely absent.	Moderate
99149	09/05/2022	Dusk	27/07/2022	Dawn		N/A	Likely absent.	Moderate
99150	09/05/2022	Dusk	03/07/2022	Dawn		N/A	Likely absent.	Moderate
99152	09/05/2022	Dusk	27/07/2022	Dawn		N/A	Likely absent.	Moderate
99219	10/06/2022	Dusk	08/07/2022	Dawn		N/A	Likely absent.	Moderate



Tree ID	Survey 1 Date	Dusk/ Dawn	Survey 2 Date	Dusk/ Dawn	Survey 3 Date	Dusk/ Dawn	Survey outcome	Final Assessment
99223	12/05/2022	Dusk	08/07/2022	Dawn		N/A	Likely absent.	Moderate
99268	12/06/2022	Dusk	06/07/2022	Dawn		N/A	Likely absent.	Moderate
99348	12/06/2022	Dusk	06/07/2022	Dawn		N/A	Likely absent.	Moderate
99353	17/05/2022	Dusk	17/08/2022	Dawn		N/A	Likely absent.	Moderate
99369	17/05/2022	Dusk	10/08/2022	Dawn		N/A	Likely absent.	Moderate
99371	17/05/2022	Dusk	05/07/2022	Dawn		N/A	Likely absent.	Moderate
99372	17/05/2022	Dusk	05/07/2022	Dawn		N/A	Likely absent.	Moderate
10991	10/08/2022	Dusk	23/09/2022	Dawn		N/A	Likely absent.	Moderate



APPENDIX D: Bat Survey Metadata

Table 8: Trees Survey Metadata

Date	Dusk/ Dawn	Sunrise /sunse t	Start	Finish	Temp start	Temp finish	Cloud start	Cloud finish	Wind start	Wind finish	Rain start	Rain finish	Description start	Description finish
03/05/2022	Dusk	20:25	20:10	21:55	14	14	3	3	3	3	0	0	Dry and sunny, low of 8c hi of 13c, wind low and no rain	Dry and sunny, low of 8c hi of 13c, wind low and no rain
05/05/2022	Dusk	20:30	19:55	22:00	14	14	1	1	0	0	0	0		
09/05/2022	Dusk	20:26	20:11	21:51	14	14	1	1	0	0	0	0		
10/05/2022	Dusk	20:38	20:13	22:00	16	16	6	6	2	2	0	0		
11/05/2022	Dusk	20:40	20:25	22:10	12	12	7	7	2	2	0	0		
12/05/2022	Dusk	20:41	20:11	22:05	16	16	6	6	5	5	0	0	Breezy but not cold	
13/05/2022	Dusk	20:39	20:24	22:09	18	18	2	2	1	1	0	0		
16/05/2022	Dusk	20:43	20:28	22:13	18	18	3	3	2	1	0	0		
17/05/2022	Dusk	20:49	20:34	22:04	16	16	3	3	3	3	0	0		
09/06/2022	Dusk	21:14	20:50	22:50	16	15	7	8	1	1	0	0	Warm, large cloud cover, no rain, high of 17	Full cloud cover, light breeze, mild
10/06/2022	Dusk	21:14	20:48	22:56	23	20	0	0	1	1	0	0	Warm, no rain, high of 22	light breeze, warm
11/06/2022	Dusk	21:15	20:50	23:15	22	20	0	0	0	0	0	0	Warm, no rain	warm, mild
12/06/2022	Dusk	21:17	21:00	23:00	15	11	1	4	0	0	0	0		



Date	Dusk/ Dawn	Sunrise /sunse t	Start	Finish	Temp start	Temp finish	Cloud start	Cloud finish	Wind start	Wind finish	Rain start	Rain finish	Description start	Description finish
29/06/2022	Dawn	04:39	03:24	04:54	15	15	6	4	0	0	0	0	Calm, overcast. Dry	Calm, overcast. Dry
02/07/2022	Dawn	04:43	03:08	05:01	15	17	3	3	1	2	0	0	Partly cloudy and gentle breeze	Partly cloudy and gentle breeze
03/07/2022	Dawn	04:43	03:00	04:58	14	13	6	6	2	2	0	0	Light breeze, dry, cloudy skies	Light breeze, dry, cloudy skies
05/07/2022	Dawn	04:44	03:14	04:59	12	11	1	5	1	1	0	0	Dry, cool, still	Dry, cool, partially overcast
06/07/2022	Dawn	04:45	03:15	05:00	11	11	3	2	1	1	0	0	Cool. Dry. Patchy cloud	Cool. Dry. Patchy cloud
07/07/2022	Dawn	04:45	03:15	05:00	17	17	7	8	3	2	1	0	Warm. Very faint rain for approximately 2mins. Cloudy	Warm. Remained dry underfoot after Very faint rain towards end of survey. Cloudy.
08/07/2022	Dawn	04:46	03:16	05:01	14	13	1	1	0	1	0	0	Warm. Calm. Dry. Clear skies	Warm. Calm. Dry. Clear skies
25/07/2022	Dusk	20:55	20:40	22:25	21	19	6	5	1	2	0	0	Dry with a chilly moderate breeze	Dry with chilly and strong gusts of wind towards end
26/07/2022	Dawn	05:08	03:51	05:23	15	15	8	6	1	1	0	0	Dry with a chilly moderate breeze.	Dry with cold gusts of wind towards the end of the survey.
26/07/2022	Dusk	20:54	20:39	22:24	17	16	5	1	1	0	0	0	Calm, light cloud, gentle breeze, dry	Calm, mild, still, dry.
27/07/2022	Dawn	05:11	03:41	05:26	15	13	3	1	0	0	0	0	Calm, partial cloud, no breeze, dry.	Calm, light cloud large area clear sky, no breeze, dry.
27/07/2022	Dusk	20:52	20:37	20:22	17	16	7	7	0	1	0	0	Dry, cold, still	Dry and mild but windy
28/07/2022	Dawn	05:12	03:42	05:27	17	17	7	8	0	1	0	0	Dry, cold, still	Dry but cloudy and mild



Date	Dusk/ Dawn	Sunrise /sunse t	Start	Finish	Temp start	Temp finish	Cloud start	Cloud finish	Wind start	Wind finish	Rain start	Rain finish	Description start	Description finish
28/07/2022	Dusk	20:51	20:36	22:21	18	17	6	5	3	1	0	0	Partial overcast, Light breeze, dry	Cloudy skies, dry, calm
29/07/2022	Dawn	05:14	03:44	05:29	13	13	3	3	1	1	0	0	Partial cloud with visible clear sky, dry	Light cloud clear skies, light breeze, dry
01/08/2022	Dusk	20:44	20:29	22:14	20	19	6	6	2	2	0	0	Complete hazy skies, light to moderate breeze, dry	Cloudy skies, light to moderate wind, dry
02/08/2022	Dusk	20:42	20:27	22:12	21	21	0	0	4	4	0	0	Moderate breeze, dry, clear skies	Moderate breeze, dry, clear skies
03/08/2022	Dawn	05:21	03:51	05:36	18	18	1	8	3	3	0	0	Mostly clear sky. Light wind with occasional moderate gust	Cloudy, dry and cool with constant gentle to moderate wind
03/08/2022	Dawn	06:21	04:51	06:36	15	15	8	8	1	1	0	0	Humid, cloudy and still. Rained overnight	Still and humid
04/08/2022	Dusk	20:39	20:34	22:09	20	18	6	7	1	1	0	0	partial overcast, warm and dry	overcast, cool and dry
09/08/2022	Dusk	20:15	20:30	22:00	19	17	0	0	2	2	0	0	Warm and clear with a gentle breeze	Cool and clear
10/08/2022	Dusk	20:12	19:57	21:42	21	20	4	2	4	4	0	0	Partly cloudy with clear sky patches, moderate breeze, dry	Clear skies, partial cloud, moderate breeze, dry
10/08/2022	Dawn	05:32	04:02	05:47	16	15	0	1	1	1	0	0	Cool, still and clear	Cool, still and clear
11/08/2022	Dawn	05:34	04:04	05:49	17	17	0	0	0	0	0	0	Warm, dry, clear skies	Warm, dry, clear skies
11/08/2022	Dusk	20:26	20:11	21:56	23	20	0	0	1	1	0	0	Warm, sunny, clear skies. Dry	Warm, clear skies. Dry



Date	Dusk/ Dawn	Sunrise /sunse t	Start	Finish	Temp start	Temp finish	Cloud start	Cloud finish	Wind start	Wind finish	Rain start	Rain finish	Description start	Description finish
12/08/2022	Dawn	05:35	04:05	05:50	17	17	0	0	1	1	0	0	Warm, clear skies, calm.	Warm, clear skies, calm.
15/08/2022	Dusk	20:18	20:03	21:48	23	22	8	8	1	1	0	0	Warm, still, cloudy and muggy	Warm, still, cloudy and muggy
16/08/2022	Dusk	20:16	20:01	21:46	20	19	6	4	1	1	0	0	Partly cloudy, warm, light breeze, dry	Partly cloudy, warm, light breeze, dry
17/08/2022	Dawn	05:43	04:13	05:58	18	18	6	3	1	1	0	0	Mild, cloudy skies with clear patches, dry	Light mist, light cloud, dry, light breeze
17/08/2022	Dusk	20:14	19:59	21:44	19	18	6	5	1	1	0	0	Cloudy skies, dry, gentle breeze	Cloudy skies, dry, gentle breeze
18/08/2022	Dawn	05:45	04:15	06:00	18	18	6	7	2	1	0	0	Cool, partially cloudy with gentle breeze	Mild cloudy with a gentle breeze
19/08/2022	Dawn	05:47	04:17	06:02	18	18	6	4	1	1	0	0	Partly cloudy, gentle breeze, dry, mild.	Partly cloudy, gentle breeze, dry, mild.
22/08/2022	Dusk	20:04	19:49	21:34	21	21	6	6	1	1	0	1	Warm, cloudy and still.	Warm, cloudy and still with short light rain showers.
23/08/2022	Dawn	05:53	04:23	06:08	18	18	7	8	3	2	1	2	Cool and cloudy, with a moderate breeze and light drizzle	Cool and cloudy, with constant light drizzle
23/08/2022	Dusk	20:01	19:46	21:31	23	22	3	2	3	3	0	0	Warm. Mainly clear, dry with moderate breeze and occasional gust.	Mainly clear, constant breeze with occasional stronger gust. Feeling cooler.
24/08/2022	Dusk	19:59	19:44	21:29	23	22	2	4	2	2	0	0	Warm and dry with light breeze	Warm and dry with partial cloud and light breeze
24/08/2022	Dawn	05:55	04:25	06:10	20	20	6	8	2	3	0	0	Cool and cloudy with a moderate breeze	Cloudy and cool with a constant moderate breeze



Date	Dusk/ Dawn	Sunrise /sunse t	Start	Finish	Temp start	Temp finish	Cloud start	Cloud finish	Wind start	Wind finish	Rain start	Rain finish	Description start	Description finish
25/08/2022	Dawn	05:56	04:26	06:11	20	19	1	6	2	2	0	0	Cool, clear with a gentle breeze. Lightning seen in far distance.	Cool, cloudy with a gentle breeze and occasional gusts.
25/08/2022	Dusk	19:57	19:42	21:27	20	19	1	6	2	2	0	0	Cool, clear with a gentle breeze. Lightening seen in the distance	Cool, cloudy with a gentle breeze and occasional gusts.
26/08/2022	Dawn	05:58	04:28	06:13	15	15	0	6	1	1	0	0	Cool, clear and still	Cool, clear and still
30/08/2022	Dusk	19:46	19:31	21:16	19	18	2	1	4	4	0	0	Clear, dry, feels cool with a moderate wind and occasional gusts	Cool and clear with a moderate wind
31/08/2022	Dawn	06:06	04:36	06:21	19	16	4	6	3	3	0	1	Gentle/moderate breeze, partly cloudy, earlier light rain shower	Gentle/moderate breeze, partly cloudy, very brief light rain shower
31/08/2022	Dusk	19:44	19:29	21:14	19	17	5	7	4	6	0	0	Fairly warm, windy, sunny, dry	Cold, very windy, dry
01/09/2022	Dawn	06:08	04:38	06:23	17	16	4	1	4	4	0	0	Gusty wind but dry conditions	Gusty wind but dry conditions
01/09/2022	Dusk	19:27	21:12	19:42	21	20	3	4	4	5	0	0	Very gusty	Very gusty
02/09/2022	Dawn	06:09	04:39	06:24	16	15	1	1	0	0	0	0	Cool, dry, calm	Cool, dry, calm
05/09/2022	Dusk	19:33	19:18	21:03	21	19	6	2	2	3	0	0	Warm, sunny, dry	Warm, clear, electrical storms observed moving in from SE
06/09/2022	Dawn	06:16	04:46	06:31	17	18	1	1	2	2	0	1	Cool, dry, patchy cloud	Cool, dry, patchy cloud. Drizzle at times
07/09/2022	Dusk	19:28	19:13	20:58	22	20	3	2	6	4	0	0	Warm and dry with a strong breeze	Clear skies, warm and breezy



Date	Dusk/ Dawn	Sunrise /sunse t	Start	Finish	Temp start	Temp finish	Cloud start	Cloud finish	Wind start	Wind finish	Rain start	Rain finish	Description start	Description finish
08/09/2022	Dusk	19:26	19:11	20:56	19	17	3	4	3	3	0	0	Mild, dry, cloudy. Rain throughout the day	Mild, dry, cloudy. Clouds building
09/09/2022	Dawn	06:21	04:45	06:36	15	15	8	8	1	1	0	0	Damp, cloudy and still. Rain throughout night.	Still and humid
20/09/2022	Dusk	18:59	18:44	20:39	16	15	6	6	2	1	0	0	Calm, mainly cloudy, cool and dry	Cool, still and dry
21/09/2022	Dawn	06:39	05:09	06:54	11	12	1	3	1	1	0	0	Cool, calm and clear	Partially cloudy and dry
21/09/2022	Dusk	18:57	18:42	20:27	16	15	7	8	1	1	0	0	Calm, overcast and dry	Calm, cloudy and dry
22/09/2022	Dawn	06:40	05:10	06:55	13	13	6	4	1	1	0	0	Calm, dry and cloudy	Cool, dry and partially cloudy
22/09/2022	Dusk	18:54	18:39	20:24	17	16	6	8	2	2	0	0	Calm, overcast and dry	Calm, cloudy and dry
23/09/2022	Dawn	06:42	05:12	06:57	14	14	8	7	2	1	2	2	Cloudy, cool with light rain shower	Cloudy, cool with light rain shower
27/09/2022	Dawn	06:50	05:19	07:04	9	7	0	0	3	4	0	0	Clear, cool and dry with moderate cool wind.	Clear, cool and dry with moderate cool wind.
28/09/2022	Dawn	06:50	05:20	07:05	6	7	0	0	1	1	0	0	Cool, clear and dry	Cool, clear and dry
29/09/2022	Dawn	06:52	05:32	07:07	6	6	3	3	0	0	0	0	Cool, still and damp	Chilly, still, light mist and light frost on higher ground
30/09/2022	Dawn	06:53	05:23	07:08	7	7	0	0	0	0	0	0	Cool, bright and clear	Foggy with clear skies



APPENDIX E: Bat Tree Survey Results - Figures 1.1-3.4





VE Onshore Cable Route

100m Buffer

Engineering Exclusion Zones

Bat Trees

- Low
- Negligible
- High In Exclusion Zone
- Moderate In Exclusion Zone

BAT TREE RESULTS FROM GROUND **ASSESSMENTS** FIGURE 1.1

PROJECT TITLE:

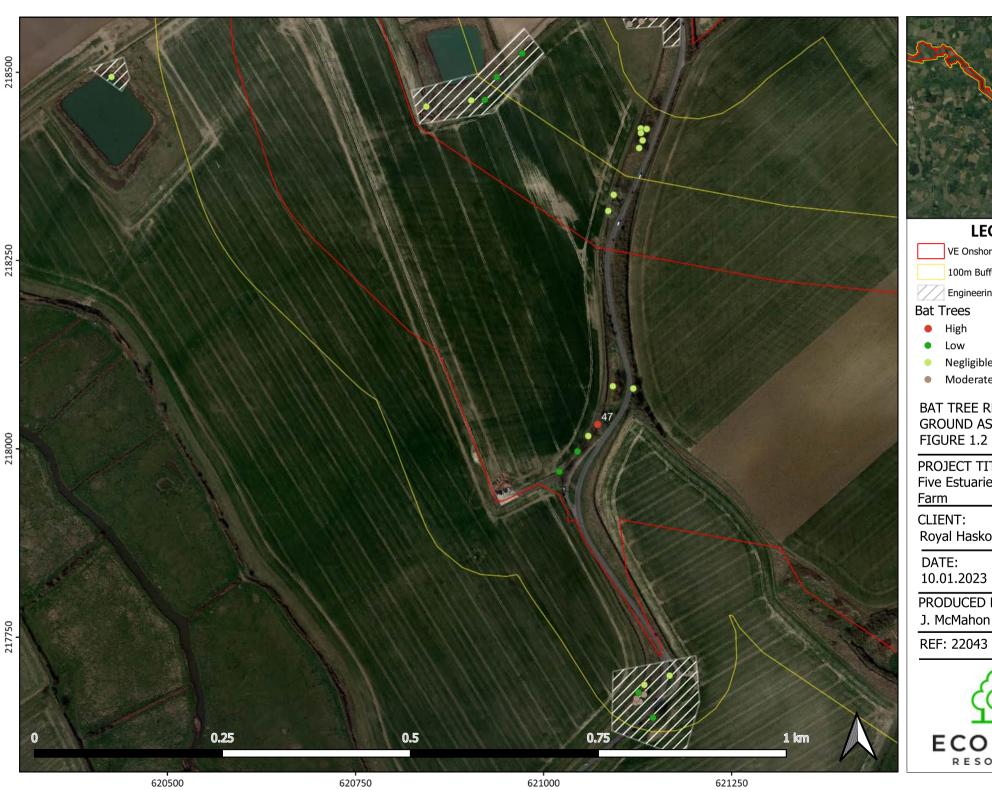
Five Estuaries Offshore Wind

Royal HaskoningDHV

10.01.2023

PRODUCED BY: J. McMahon







VE Onshore Cable Route

100m Buffer

Engineering Exclusion Zones

- High
- Negligible
- Moderate In Exclusion Zone

BAT TREE RESULTS FROM **GROUND ASSESSMENTS** FIGURE 1.2

PROJECT TITLE:

Five Estuaries Offshore Wind

Royal HaskoningDHV

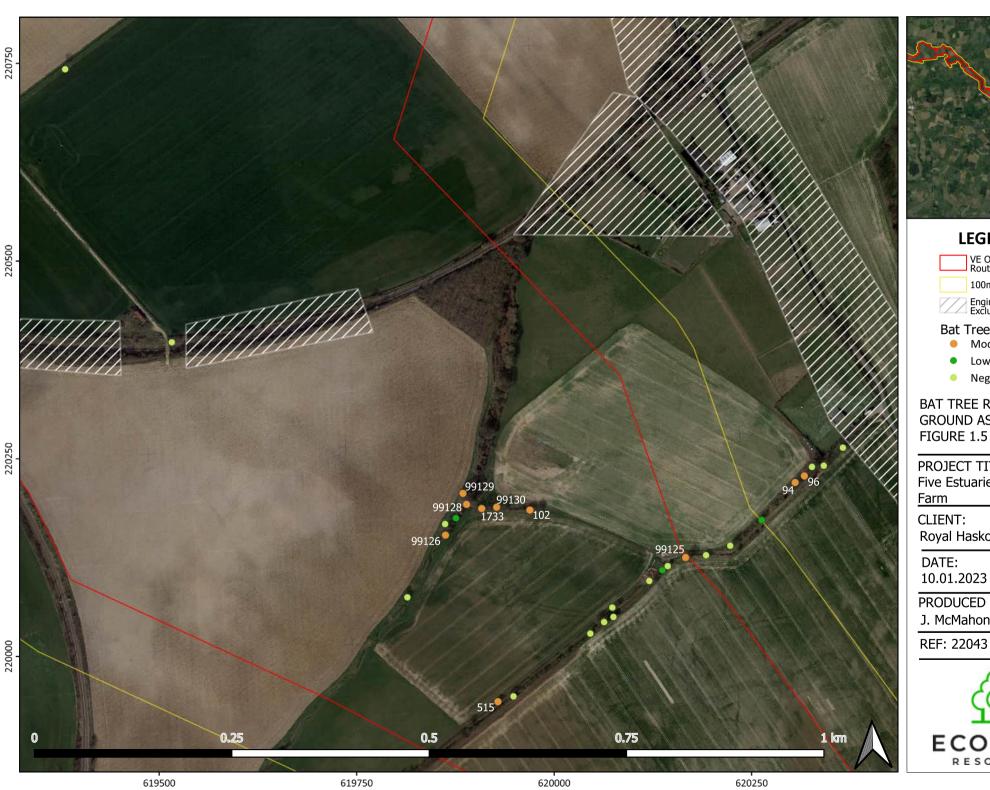
10.01.2023

PRODUCED BY:











VE Onshore Cable Route

100m Buffer

Engineering Exclusion Zones

Bat Trees

- Moderate
- Low
- Negligible

BAT TREE RESULTS FROM **GROUND ASSESSMENTS** FIGURE 1.5

PROJECT TITLE:

Five Estuaries Offshore Wind

Royal HaskoningDHV

10.01.2023

PRODUCED BY:

J. McMahon







VE Onshore Cable Route

100m Buffer

Engineering Exclusion Zones Bat Trees

- High
- Moderate
 - Low
- Negligible

BAT TREE RESULTS FROM **GROUND ASSESSMENTS** FIGURE 1.6

PROJECT TITLE:

Five Estuaries Offshore Wind

CLIENT:

Royal HaskoningDHV

DATE:

10.01.2023

PRODUCED BY:

J. McMahon







VE Onshore Cable Route

100m Buffer

Engineering Exclusion Zones Bat Trees

- High
- Moderate
- Low
- Negligible

BAT TREE RESULTS FROM **GROUND ASSESSMENTS** FIGURE 1.7

PROJECT TITLE:

Five Estuaries Offshore Wind Farm

CLIENT:

Royal HaskoningDHV

DATE:

10.01.2023

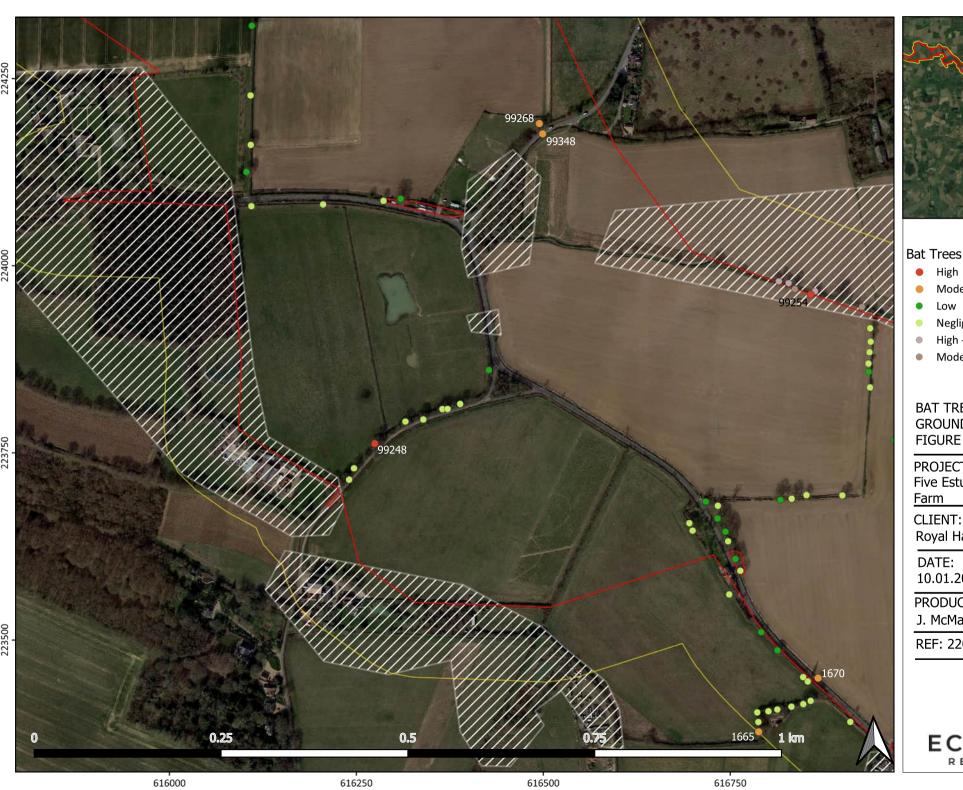
PRODUCED BY:

J. McMahon











VE Onshore Cable Route

Moderate

100m Buffer

Engineering Exclusion Zones

Negligible

High - In Exclusion Zone

Moderate - In Exclusion Zone

BAT TREE RESULTS FROM **GROUND ASSESSMENTS** FIGURE 1.10

PROJECT TITLE:

Five Estuaries Offshore Wind Farm

CLIENT:

Royal HaskoningDHV

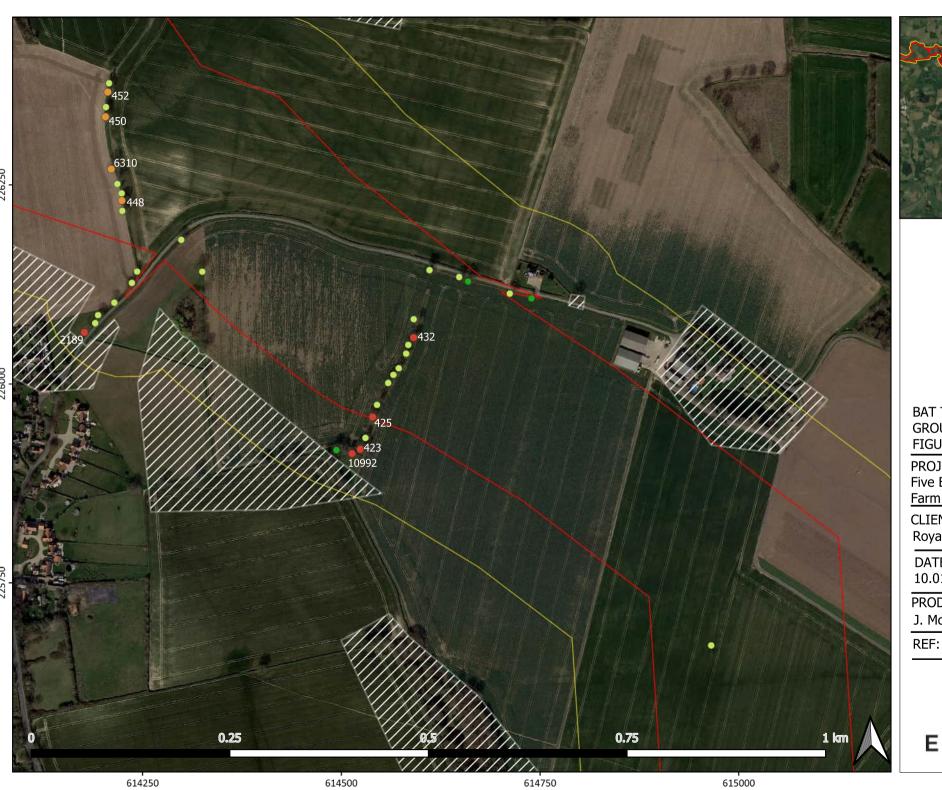
10.01.2023

PRODUCED BY:

J. McMahon









VE Onshore Cable Route

100m Buffer

Engineering Exclusion Zones

Bat Trees

- High
- Moderate
- Low
- Negligible

BAT TREE RESULTS FROM **GROUND ASSESSMENTS** FIGURE 1.12

PROJECT TITLE:

Five Estuaries Offshore Wind

CLIENT:

Royal HaskoningDHV

DATE:

10.01.2023

PRODUCED BY:

J. McMahon







VE Onshore Cable Route

100m Buffer

Engineering Exclusion Zones

Bat Trees

- Moderate
- Low
- Negligible

BAT TREE RESULTS FROM GROUND ASSESSMENTS FIGURE 1.13

PROJECT TITLE:

Five Estuaries Offshore Wind Farm

CLIENT:

Royal HaskoningDHV

DATE:

10.01.2023

PRODUCED BY:

J. McMahon











VE Onshore Cable Route 100m Buffer

Confirmed Bat Roosts

CONFIRMED BAT ROOST TREE LOCATIONS FIGURE 2.1

PROJECT TITLE:

Five Estuaries Offshore Wind

Royal HaskoningDHV

24.01.2023

PRODUCED BY:









VE Onshore Cable Route 100m Buffer

Confirmed Bat Roosts

CONFIRMED BAT ROOST TREE LOCATIONS FIGURE 2.2

PROJECT TITLE:

Five Estuaries Offshore Wind

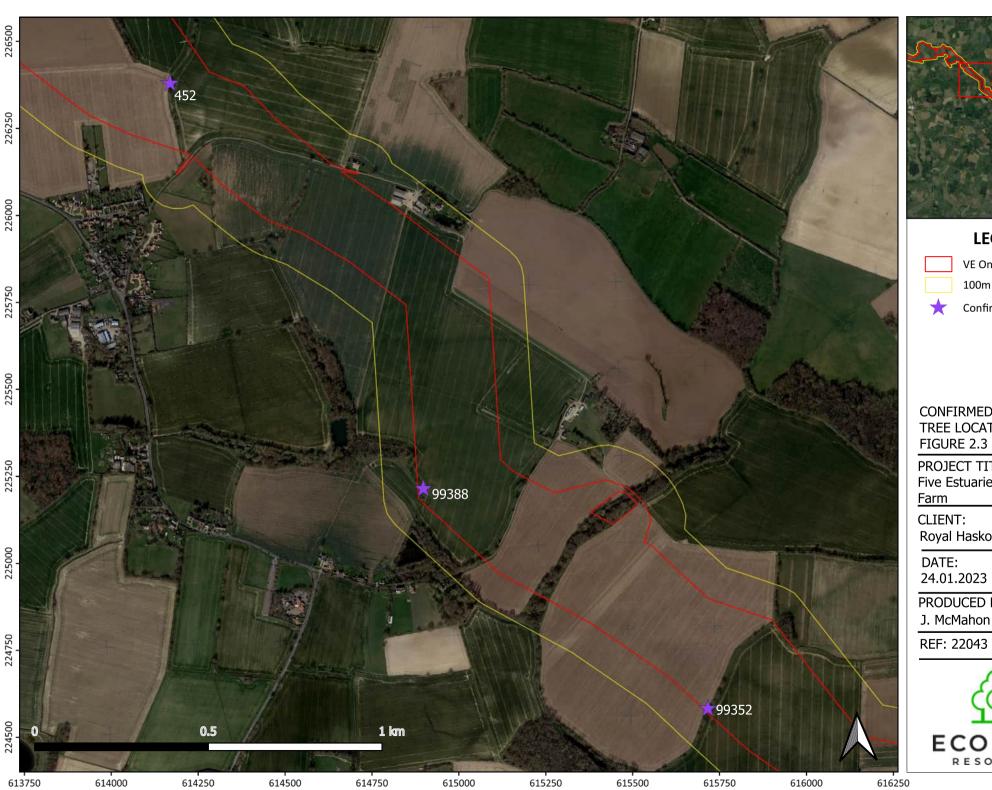
Royal HaskoningDHV

24.01.2023

PRODUCED BY:

J. McMahon







VE Onshore Cable Route 100m Buffer

Confirmed Bat Roosts

CONFIRMED BAT ROOST TREE LOCATIONS FIGURE 2.3

PROJECT TITLE:

Five Estuaries Offshore Wind

Royal HaskoningDHV

24.01.2023

PRODUCED BY:







VE Onshore Cable Route

100m Buffer

Bat Woodlands



Moderate



Negligible

BAT WOODLAND GROUND ASSESSMENT RESULTS FIGURE 3.1

PROJECT TITLE:

Five Estuaries Offshore Wind Farm

CLIENT:

Royal HaskoningDHV

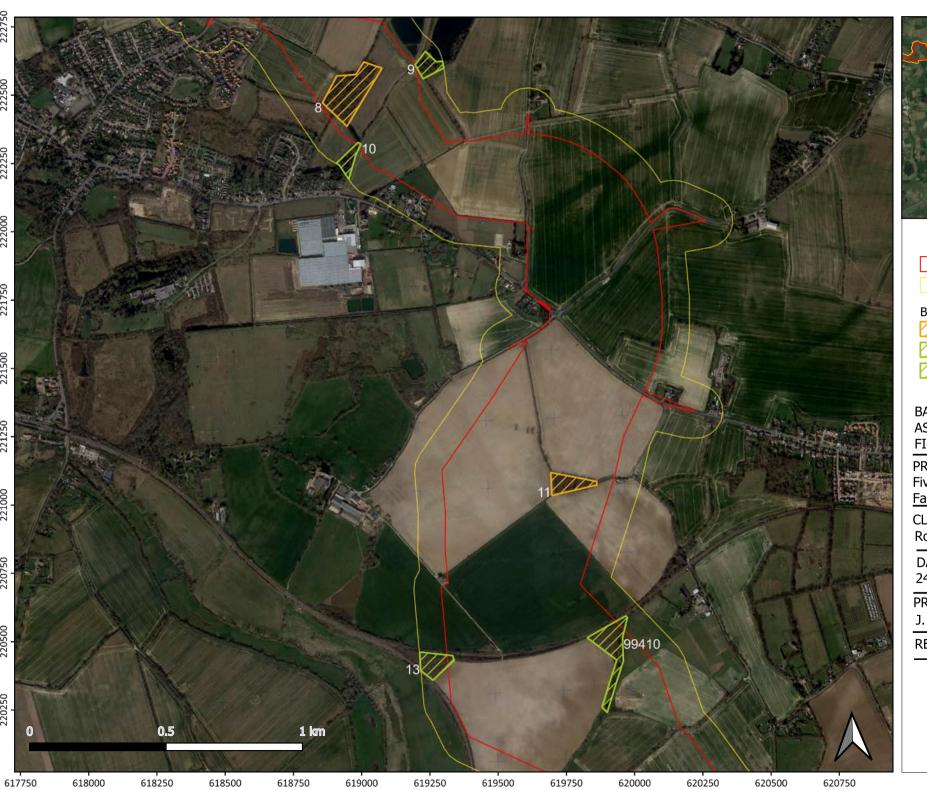
DATE:

24.01.2023

PRODUCED BY:

J. McMahon





222750

222500

222000

221750

221500

220750

220500

220250



LEGEND

VE Onshore Cable Route

100m Buffer

Bat Woodlands



Moderate



Low

Negligible

BAT WOODLAND GROUND ASSESSMENT RESULTS FIGURE 3.2

PROJECT TITLE:

Five Estuaries Offshore Wind Farm

CLIENT:

Royal HaskoningDHV

DATE:

24.01.2023

PRODUCED BY:

J. McMahon







VE Onshore Cable Route

100m Buffer

Bat Woodlands



Moderate



Low

BAT WOODLAND GROUND ASSESSMENT RESULTS FIGURE 3.3

PROJECT TITLE:

Five Estuaries Offshore Wind Farm

CLIENT:

Royal HaskoningDHV

DATE:

24.01.2023

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J. McMahon





226750

226250

226000

225750

225500

225000

224750



LEGEND

VE Onshore Cable Route

100m Buffer

Bat Woodlands



Moderate Low



Negligible

BAT WOODLAND GROUND ASSESSMENT RESULTS FIGURE 3.4

PROJECT TITLE:

Five Estuaries Offshore Wind Farm

CLIENT:

Royal HaskoningDHV

DATE:

24.01.2023

PRODUCED BY:

J. McMahon







VE Onshore Cable Route

100m Buffer

Bat Woodlands



Low



No Access

BAT WOODLAND GROUND ASSESSMENT RESULTS FIGURE 3.5

PROJECT TITLE:

Five Estuaries Offshore Wind Farm

CLIENT:

Royal HaskoningDHV

DATE:

24.01.2023

PRODUCED BY:

J. McMahon





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