

XLINKS MORROCO-UK POWER PROJECT

Preliminary Environmental Information Report

Volume 2, Appendix 1.5: Preliminary Ground Level Bat Tree Roost Assessment



Glossary

Term	Meaning
Environmental Impact Assessment	The process of identifying and assessing the significant effects likely to arise from a project. This requires consideration of the likely changes to the environment, where these arise as a consequence of a project, through comparison with the existing and projected future baseline conditions.
High Voltage Direct Current Cables	The High Voltage Direct Current cables which would bring electricity to the UK converter stations from the Moroccan converter stations.
Onshore HVDC Cable Corridor	The proposed corridor within which the onshore High Voltage Direct Current cables will be located.
Preliminary Environmental Information Report	A report that provides preliminary environmental information in accordance with the Infrastructure Planning (Environmental Impact Assessment) Regulations 2017. This is information that enables consultees to understand the likely significant environmental effects of a project and which helps to inform consultation responses.
Proposed Development	The element of the Xlinks Morocco-UK Power Project within the UK, which includes the offshore cables (from the UK Exclusive Economic Zone to landfall), landfall site, onshore Direct Current and Alternating Current cables, converter stations, road upgrade works and, based on current assumptions, the Alverdiscott Substation Connection Development.
Xlinks Morocco UK Power Project	The overall scheme from Morocco to the national grid, including all onshore and offshore elements of the transmission network and the generation site in Morocco (referred to as the 'Project').

Acronyms

Acronym	Meaning
EIA	Environmental Impact Assessment
PEIR	Preliminary Environmental Information Report
UK	United Kingdom

1 PRELIMINARY GROUND LEVEL BAT TREE ROOST ASSESSMENT

1.1 Introduction

Purpose and Scope of this Report

- 1.1.1 This document forms Volume 2, Appendix 1.5: Ground Level Bat Tree Roost Assessment of the Preliminary Environmental Information Report (PEIR) prepared for the United Kingdom (UK) elements of the Xlinks Morocco-UK Power Project (referred to hereafter as 'the Proposed Development'). The PEIR presents the preliminary findings of the Environmental Impact Assessment (EIA) process for the Proposed Development.
- 1.1.2 This document provides the preliminary ground level bat tree roost assessment carried out as part of the Proposed Development in autumn 2022. The surveys and report detailed below were undertaken by Colmer Ecology Ltd.
- 1.1.3 The survey work was completed in autumn 2022, and the survey area was based on understanding the Proposed Development as it was at that time. The design of the Proposed Development has changed since these surveys were undertaken. As such, updated surveys will be carried out (where required) prior to application to ensure that all elements of the revised Proposed Development site have been considered. The updated survey results will be reported as part of the Environmental Statement.
- 1.1.4 As discussed in the report access to some areas was not possible, and the current footprint of the Proposed Development is considerably modified, although much of the information on the Onshore High Voltage Direct Current Cable Corridor is still relevant.
- 1.1.5 Colmer Ecology Ltd's report, Preliminary Ground Level Bat Tree Roost Assessment, can be viewed below.

Accurate Lifespan of Ecological Data

- 1.1.6 The majority of ecological data remain valid for only short periods due to the inherently transient nature of the subject. The survey results contained in this report are considered accurate for two years, assuming no significant considerable changes to the site conditions.
- 1.1.7 Site specific surveys used to inform Volume 2, Chapter 1: Onshore Ecology and Nature Conservation of the PEIR were undertaken between 2021 and 2024. CIEEMs Advice Note: On the lifespan of ecological reports and surveys (CIEEM, 2019) recommends that surveys exceeding three years in age are likely to require updating, whilst surveys undertaken between 18 months and three years prior to application may require site visits pre-construction to review the validity of survey findings. Therefore, in accordance with CIEEM guidance, site specific surveys undertaken over 18 months prior to the submission will be updated, where required (following a site review to confirm the validity of survey findings by a suitably qualified ecologist). Those surveys undertaken over three years will be

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XLINKS MOROCCO – UK POWER PROJECT supplemented by further surveys (if DCO is granted) to be completed preconstruction.

SITE NAME:

Xlinks – Cable Route Bideford Devon

TITLE:

Preliminary Ground Level Bat Tree Roost Assessment

For:

RPS

July 2023



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	<i>Peference:</i> Xlinks, Devon – Prelimi	•	
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Summary

A preliminary ground level bat tree roost assessment was undertaken of trees within and adjacent to an approximately 15 km corridor of land bypassing Bideford, Devon, in relation to the installation of underground High Voltage Direct Current cabling as part of a Renewable Energy Development.

The land consisted of a corridor approximately 15 km in length, from landfall at Cornborough to an existing National Grid substation. Due to difficulty with organising access, only part of the land was assessed at this stage, from land adjacent to the A39 to Woodville Farm. The land primarily consisted of, and was bordered by, pastoral/arable fields, mature hedgerows, tree lines and small lanes. The wider landscape comprised Bideford town and a mosaic of neighbouring villages, pastoral/ arable fields and woodland. Bideford Bay was located directly adjacent to the western terminus with the River Torridge, as well as both the A39 and A386, running through the land.

The majority of the trees inspected offered 'No/Negligible' or 'Low' potential for roosting bats with no further surveys recommended. A total of 30 trees assessed for their potential to support bat roosts were considered to have 'Moderate' to 'High' potential, with further surveys required should these be impacted by the proposed development.

At the time of the survey, evidence of past breeding birds was noted, with suitable precautionary measures and mitigation suggested.

This report is valid for a period of 12 months from the date of the survey.

1 Introduction

- 1.1 Colmer Ecology was commissioned by RPS to undertake a preliminary ground level bat tree roost assessment of some of the trees within and adjacent to an approximately 15 km corridor of land bypassing Bideford, Devon, hereinafter referred to as the Site. The preliminary ground level bat tree roost assessment provided information on the potential for and, if apparent, evidence of bat roosts within trees, with the assessment carried out between 29th November 2022 and 1st December 2022.
- 1.2 It is understood that proposals for the Site include the installation of 14.7 km of underground High Voltage Direct Current cabling as part of a Renewable Energy Development.

Site Description

- 1.3 The Site consisted of a corridor of land approximately 15 km in length, from landfall at Cornborough at National Grid Reference (NGR) SS 411 279 to an existing National Grid substation located at SS 501 251. Due to difficulty with organising access, only part of the land was assessed at this stage, from land adjacent to the A39 at NGR SS 41687 25416 to Woodville Farm at SS 47766 25208.
- 1.4 The Site primarily consisted of, and was bordered by, pastoral/arable fields, mature hedgerows, tree lines and small lanes. The wider landscape comprised Bideford town and a mosaic of neighbouring villages, pastoral/arable fields and woodland. Bideford Bay was located directly adjacent to the western terminus of the Site. The River Torridge, as well as both the A39 and A386, ran through the Site.

Scope of Surveys

- 1.5 The objectives were to:
 - Carry out a preliminary ground level bat tree roost assessment of trees within the
 Site, and where possible, those immediately adjacent; and
 - Establish the need for further surveys and/or mitigation where necessary.

Legislation and Planning Context

- 1.6 Although it was not the purpose of this report to present legislation and planning context in relation to the proposal, their applicability was explained where appropriate.
- 1.7 The following wildlife legislation and policy were considered:
 - The Conservation of Habitats and Species Regulations (as amended) 2017 amended by The Conservation of Habitats and Species (Amendment) (EU exit) Regulations 2019;
 - The Wildlife and Countryside Act (WCA) (as amended) 1981;

- The Countryside and Rights of Way (CRoW) Act 2000;
- The Natural Environment and Rural Communities (NERC) Act 2006;
- National Planning Policy Framework (NPPF) 2021;
- Environment Act 2021; and
- The Devon Biodiversity Action Plan (BAP).
- 1.8 This report was written as a stand-alone document, with no previous report provided and following the Chartered Institute of Ecology and Environmental Management (CIEEM) guidelines for ecological report writing (2017a). Relevant documents include Figures 1.1 1.11 of site layout and development plan 11809-0016-08 provided by RPS group.

Caveat

1.9 It should be noted that bats are highly mobile and can be found in trees at any time of year. Although Colmer Ecology is confident in the survey results, we cannot ensure that bats will/will not be present on Site at any other time. Descriptions of Site conditions and photographs are based on the preliminary ground level bat tree roost assessment undertaken in November and December 2022. In addition, assessments of ecological impacts were based on the supplied proposed development plan.

Nomenclature

1.10 For ease, common names were used throughout this report, however, where no common name existed or it was not possible to identify to species level, genus/family names were used. Details of indicative Latin names were provided in Appendix 1.

2 Methodology

2.1 Preliminary Ground Level Bat Tree Roost Assessment

- 2.1.1 Any tree of 'Moderate' or 'High' potential within or directly adjacent to the Site was tagged and subject to a preliminary ground level bat tree roost assessment by Dr J. Rabineau BSc (Hons) PhD ACIEEM¹ (bat class 2 survey licence and registered bat mitigation class [low impact] licence consultant Annex B and D), Mr J. Hawksley BSc (Hons) MSc and Ms L. Budd-Thiemann BSc (Hons) on 29th November to 1st December 2022. Methodology followed that described in Bat Conservation Trust (BCT), Bat Surveys for Professional Ecologists: Good Practice Guidelines 3rd Edition (Collins, 2016 updated 2022) as well as the Bat Tree Habitat Key (BTHK, 2023). Each tree within the likely zone of impact was searched for any potential roosting features (PRF) for bats including cracks (from catastrophic fractures or tears), extending holes, partially detached ivy (> 50 mm), cankers with cavities, and splits or flaking bark that may be suitable for roosting bats. Other field signs searched for included dark streaking below holes and cracks, droppings and staining, as well as bat themselves.
- 2.1.2 Any PRF was assessed and inspected where possible using high powered LED torches and close focussing binoculars only at this stage. Where a suitable PRF was present, a general description, height above ground, orientation and location with respect to the stem (Collins, 2016 updated 2022) were recorded.
- 2.1.3 The potential of each tree to support roosting bats was decided based on the presence, number and suitability of each PRF. Trees of 'Low' potential were considered to be, 'a tree of sufficient size and age to contain PRF but with none seen from the ground' (Collins, 2016 updated 2022). Trees of 'Moderate' potential were defined as, 'trees with one or more potential roost sites that could be used by bats...but unlikely to support a roost of high conservation status' (Collins, 2016 updated 2022). Finally, trees with 'High' potential were defined as, 'trees with one or more potential roost sites that are obviously suitable for usage by large numbers of bats...' (Collins, 2016 updated 2022). Where bats or evidence of bats were found, for example bat droppings or a roosting bat, the tree was considered to be a confirmed roost. Where no suitable features were noted for roosting bats, the tree was considered to offer 'No/Negligible' potential (Collins, 2016 updated 2022).
- 2.1.4 No detailed descriptions, such as grid reference or features were recorded for trees of 'No/Negligible' or 'Low' potential, within or directly adjacent to the Site although, a species list was recorded.

¹ Associate Member of the Chartered Institute of Ecology and Environmental Management (ACIEEM)

2.2 Survey Constraints and Best Practice

2.2.1 The preliminary ground level bat tree roost assessment was undertaken at the optimal time of the year, with excellent visibility of each tree feature. Although a preliminary ground level bat tree roost assessment aims to evaluate each tree present, it can sometimes be difficult to locate roosts within trees (Collins, 2016 – updated 2022). This is largely due to the behaviour of bats using tree roosts (for example switching between roosts), as well as lack of persistent bat evidence. This assessment does not include an evaluation of tree condition, or any arboricultural survey.

3 Results

3.1 In total, 30 trees were assessed as having 'Moderate' or 'High' potential to support bat roosts and highlighted on Figures 1 – 3, with annotated photographs provided in Figures 4 – 16. Of these trees, 26 were considered to provide 'Moderate' potential, with four offering 'High' potential (Collins, 2016 – updated 2022). All of the trees had good visibility for a thorough assessment.

Trees of Moderate Potential

- 3.2 Of the trees classified as having 'Moderate' potential, two were willow sp. (Table 1). Tree 2 (T2) contained a butt-rot that did not extend, although with a wound on the stem that may extend. Tree 6 (T6) contained two wounds, one of which was healed over and the other potentially extending, as well as occasional snap-limbs throughout.
- 3.3 A total of seven oak trees (T4, T8, T12 13, T15, T24 and T28) with 'Moderate' potential for bats shared numerous PRF, including knotholes, butt-rot, snap-limb, tear-out, stags, ivy, wounds and flush-cut (Table 1). Of note, oak tree T8 had dense ivy coverage forming plate that may have obscured additional features and/or cavities.
- 3.4 A total of five sycamore trees were classified as having 'Moderate' potential, of which T1 had a pair of tear-outs, one extending upwards with the other healed over (Table 1). Sycamores T16, T17, T19 and T21 all had wounds, some of which extended, with a central union noted on T16 and several knotholes on T17, of which one extended to an open cavity.
- 3.5 Hornbeam trees T25 and T26 also offered 'Moderate' potential, with each containing an extending wounds on their stems.
- 3.6 A single multi-stemmed beech (T29) had a knothole and two areas of butt-rot, one of which formed an extending cavity.
- 3.7 The remaining nine trees with '*Moderate*' potential were all ash trees (T7, T9 10, T18, T20, T22 23, T27 and T30), with combinations of cankers, tear-outs, lifting bark, butt-rot, wounds, ivy and knotholes (Table 1).

Trees of High Potential

3.8 All four trees considered to have 'High' potential to support roosting bats were oak trees. The first (T3) had knotholes, stags with collars and ivy throughout, as well as a flush-cut that had fissures, a woodpecker hole, and a tear-out with a likely extending cavity. The second (T5), had stags and ivy throughout, the latter of which formed plates in places. In addition, T5 had a number of tear-out and knotholes that may extend. The third oak (T11) had a tear-

out, butt-rot, wounds, stag and a flush-cut. The fourth (T14) had two knotholes, stags with a knothole or a fissure, lifting bark, three snag-limbs and a tear-out., some extending and providing suitable roosting features for bats.

Trees adjacent to Site

3.9 Although not within the area of impact, a total of 27 trees were noted as having 'Moderate' or 'High' potential from a distance. These trees could not be directly accessed (no access and not within the zone of impact), but basic information regarding species and suitable PRF was recorded ,and summarised in Table 2. Location of these trees was also mapped although not provided at this stage.

4 Evaluation

4.1 Summary

- 4.1.1 The current proposals for the Site include the installation of 14.7 km of underground High Voltage Direct Current cabling as part of a Renewable Energy Development. A preliminary ground level bat tree roost assessment was completed with trees on and adjacent to the Site identified and potential for bat roosts assessed.
- 4.1.2 In order to evaluate impacts on biodiversity and protected species that may be present within or adjacent to the Site and the need or otherwise for further surveys, the location, the proposed development and likely level of works have been reviewed (where possible) against current standing advice and legislation. In addition, professional judgment has also been used.

4.2 Preliminary Ground Level Bat Tree Roost Assessment - Bats

- 4.2.1 In England, all bat species are fully protected and listed under Schedule 2 of The Conservation of Habitats and Species Regulations (as amended) 2017 amended by The Conservation of Habitats and Species (Amendment) (EU exit) Regulations 2019, Schedule 5 of the WCA (as amended) 1981 and listed under Section 41 (S41) of the NERC Act (2006) as well as included in the CRoW Act (2000). All UK bat species are also listed under Appendix II of the Bern Convention (with the exception of common pipistrelle, which is on Appendix III) and Appendix II of the Bonn Convention. In addition, greater and lesser horseshoes, Bechstein's, noctule, soprano pipistrelle, brown long-eared and barbastelle are also listed as UKBAP.
- 4.2.2 The protection afforded to bats is such that the animals and their roosts (used for rest or shelter) are legally protected. It is a criminal offence to deliberately take, injure, or kill a bat, intentionally or recklessly disturb a bat in its roost or deliberately disturb a group of bats, damage or destroy a place used by bats for breeding or resting (even if bats are not present), possess or advertise/sell/exchange a bat of a species found in the wild (dead or alive), whole or any part of a bat, as well as intentionally or recklessly obstruct access to a bat roost. Important populations of greater and lesser horseshoes, Bechstein's and barbastelle require the designation of SAC.
- 4.2.3 Therefore, unlicensed works that may cause disturbance, killing, injury or blocking access to a place of rest and shelter has the potential to cause an offence. Following the withdrawal of Planning Policy Statement 9 (PPS9): Biodiversity and Geological Conservation, the NPPF was published as its replacement in 2012. Circular ODPM 06/2005: Biodiversity and Geological Conservation Statutory Obligations and their impact within the Planning System, was a guidance document that accompanied PPS9, and is still valid in its

interpretation by local planning authorities on the impact a development may have on protected species. Circular 06/2005 states that the presence of a protected species is a, 'material consideration when a planning authority is considering a development proposal that, if carried out, would be likely to result in harm to the species or its habitat' (ODPM 06/2005). Furthermore, habitats within the Site were assessed for their potential to support foraging and commuting bats and whether the proposed works could impact bats.

- 4.2.4 The majority of trees within the Site were of 'No/Negligible' or 'Low' bat roosting potential.

 None of these trees will require any further bat surveys, as recommended in Collins (2016 updated 2022).
- 4.2.5 During the preliminary ground level bat tree roost assessment, 26 trees (T1 2, T4, T6 10, T12 13, T15 30) were considered to provide 'Moderate' bat roost potential, with four trees (T3, T5, T11 and T14) considered to provide 'High' bat roost potential. These trees have been illustrated on Figures 4 16 for ease of identification. Should any of these 'Moderate' or 'High' bat roost potential trees require removal or likely to be impacted by works, aerial inspection of PRF and/or bat presence/likely absence surveys will be required, with precautionary measures stipulated during the works. Further recommendations were proposed in Section 5.

Preliminary Ground Level Bat Tree Roost Assessment - Birds

4.2.6 Under Section 1 of the WCA (as amended) 1981, wild birds (with exceptions) are protected from being killed, injured or captured, while their nests and eggs are protected from being damaged, destroyed or taken while in use. At the time of the assessment, evidence of past breeding birds was noted such as woodpecker holes, with a nest visible in tree T14. Suitable precautionary measures and/or timing restrictions were proposed in Section 5.

5 Recommendations

5.1 Trees - Bats

- 5.1.1 Any trees with 'Moderate' or 'High' potential that would be impacted by development works will need a tree climb to carry out an initial aerial inspection in order to thoroughly inspect the PRF at height. The aerial inspection must be undertaken by a bat licensed ecologist, or an arborist under the instruction of a bat licensed ecologist. The aerial inspection is necessary to confirm the suitability of any identified PRF that were either too high or concealed during the ground level assessment. Should the PRF still have 'Moderate' or 'High' potential once closely inspected, then further aerial inspections and/or bat presence/likely absence surveys would also be required should the PRF not be fully accessible, for example the feature is too long for an endoscope or on a dead branch likely to break under force. Any PRF inspected closely from height as having 'Negligible' or 'Low' potential would not require further surveys and the tree would be downgraded to 'No/Negligible' or 'Low' potential (i.e., felled with no further surveys required).
- 5.1.2 Trees maintaining 'Moderate' to 'High' potential following an initial aerial inspection may be subject to further aerial inspections or bat presence/likely absence surveys, depending on the PRF type, location and visibility from the ground.
 - For trees with 'Moderate' potential, presence/likely absence surveys would consist of a minimum of two separate survey visits <u>OR</u> as aerial inspections, between May and September. At least one of the surveys must be between May and August; and
 - 2. For trees with *'High'* potential, presence/likely absence surveys would consist of a minimum of three separate survey visits <u>OR</u> as three aerial inspections between May and September. At least two of the surveys must be between May and August.
- 5.1.3 Following the bat presence/likely absence surveys and/or further aerial inspections, should evidence of bat use be noted in any of the trees, a European protected species licence (EPSL) from Natural England will be required <u>prior</u> to any felling.

5.2 Trees – Birds

5.2.1 Due to the presence of bird nests, any felling within the bird breeding season of 1st March – 31st August inclusive will require a suitably qualified individual to undertake an inspection for breeding birds within 24 hours prior to any clearance. If breeding birds were identified, these must remain in place until breeding has ceased and dependent young have fledged, with a suitable exclusion zone implemented where necessary. The advising ecologist will periodically monitor any occupied nest, until young have fledged. No inspection or supervised clearance would be required for removal of breeding birds habitat between 1st September – 28th February (or 29th in any leap year).

6 Conclusion

- 6.1 A preliminary ground level bat tree roost assessment was carried out of some of the trees within and adjacent to an approximately 15 km corridor of land bypassing Bideford, Devon, to assess impacts from the proposed development.
- 6.2 The majority of the trees inspected offered 'No/Negligible' or 'Low' potential for roosting bats with no further surveys recommended. A total of 30 trees offered 'Moderate' or High' potential for roosting bats. For any of these trees proposed to be impacted, aerial inspection of PRF and/or bat presence/likely absence surveys were recommended.
- 6.3 As evidence of breeding birds was noted, suitable mitigation was proposed.
- 6.4 This report is valid for a period of 12 months from the date of the survey.

Colmer Ecology Itd

References

BTHK, 2023. Bat Tree Habitat Key 2023, Parts 1, 2 and 3. AEcol, Bridgwater.

Chartered Institute of Ecology and Environmental Management, 2017a. Guidelines for Ecological Report Writing (2nd edn). Chartered Institute of Ecology and Environmental Management, Winchester.

Chartered Institute of Ecology and Environmental Management, 2017b. Guidelines for Preliminary Ecological Appraisal (2nd edn). Chartered Institute of Ecology and Environmental Management, Winchester.

Collins, J. (ed.), 2016. Bat Surveys for Professional Ecologists: Good Practice Guidelines (3rd edn). The Bat Conservation Trust, London. Updated 2022.

Natural England, 2007. Disturbance and Protected Species: Understanding and Applying the Law in England and Wales.

ODPM Circular 06/2005, 2005. Biodiversity and geological conservation - statutory obligations and their impact within the planning system.

Sterry, P., 2007. Collins Complete British Trees. Harper Collins Publishers Ltd.

Websites:

NPPF, 2021.

https://www.gov.uk/government/publications/national-planning-policy-framework--2

Table 1: Trees of 'Moderate' and 'High' roosting potential for bats - on Site

Date	Numbe	Grid ref	Species		Height	DBH (cm)	Tag	Comment	PRF type	PRF Specification	Bat	Bird/other	Visibility	Potential
Date	r	Glid lei	opecies	AU	(m)	DBH (CIII)	ray	Comment		-	Dat	S	VISIDIIITY	Potential
	1	SS 41868 24584	Sycamore	А	6.5	94	1	Multi-stem	Tear-out	Stem, north-east, 1 m, extend upward			Excellent	Moderate
									Tear-out	Stem, north-west, 1 m, healed over				
	2	SS 41853 24579	Willow	А	8	248	2	Multi-stem	Butt-rot	Stem, east, ground-level, doesn't extend very much			Excellent	Moderate
	2	33 41003 2407 5	willow	^	0	240	-	Wulti-stelli	Wound (snap)	Stem, east, 0.8 m			Excellent	Moderate
									lvy	Throughout, no plate				
									Woodpecker hole	Stem, 5.5 m, south				
									Stag with collar	Limb, 6.5 m, south, extending				
	3	SS 42374 24249	Oak	Α	19.5	344	3		Knotholes	Throughout, unsure if extending			Excellent	High
									Stag with collar	Throughout, some split, fissure and lifting bark				
									Flush-cut	Limb, 6.5 m, north, contained fissures				
									Tear-out	Limb, 6.5 m, south-west, likely				
11/29/2022										extending Limb, 2.5 m, east				
	4	SS 42381 24249	Oak	А	19.5	172	4		Knothole				Excellent	Moderate
									Knothole	Stem, 1.2 m, south, shallow extension				
									Stag	Plate throughout Throughout				
	5	SS 42383 24250	Oak	А	19.5	390	5		Tear-out	Limb, 4.5 m, south			Moderate	High
	3	33 42303 24230	Oak	^	10.0	350	3		Tear-out/knothole	Limb, 9.9 m, south			woderate	riigii
									Knothole	Limb, 7 m, south-east, may extend				
									Tear-out	Limb, 5.5 m, south				
									Snap-limb	Limb, 3 m, south-east, may extend				
									Wound					
	6	SS 44254 24350	Willow	Α	11.5	210	N/A	No access		Stem, 5.5 m, south-east, cavity			Moderate	Moderate
									Wound	Limb, 2.5 m, east, healed over				
									Snap-limb	Throughout				
	_						_		Canker wound	Limb, 5.5 m, north west, likely extending				
	7	SS 45432 24557	Ash	Α	10.5	166	6		Tear-out	Limb, 5.5 m, west, healed-over			Excellent	Moderate
									Butt-rot	Stem, ground				
								Limited vis due to	Snap-limb	Stem, 5.5 m, east				
	8	SS 45420 24604	Oak	Α	13.5	295	7	ivy	Tear-out	Limb, 5.5 m, north, may extend?			Moderate	Moderate
									lvy	Throughout, plate in places, very dense may hide further cavities				
									Stags	Throughout, some cavities may extend				
									Canker	Stem, 1 m, south, cavity extending				
	9	SS 45406 24720	Ash	А	15.5	136, 67, 130 (multi-	8	Multi-stem	Lifting bark	upward Stem, 1.5 m, south, south-east, north			Excellent	Moderate
	J					stemmed)	-		_					
									Wound	Stem, 1 m, north, may extend				
	10	SS 45388 24813	Ash	А	12.5	500	9	Multi-stem	Butt-rot	Stem, 1 m, multi-access, may extend into limbs			Excellent	Moderate
									lvy	Throughout, no plate				
									Tear-out	Limb, 3 m, south, not extending				
									Wound	Limb, 4.5 m, south-west, may extend				
									Wound/stag	Limb, 5.5 m, south-west, may extend				
	11	SS 45407 24809	Oak	А	13.5	377	10			behind stag			Excellent	High
									Stag	Throughout, some with fissures				
									Flush-cut	Limb, 2.5 m, east, no visible cavities				
									Butt-rot	Stem, central, may extend outward				
									lvy	Throughout, no plate				
									Wound	Stem, 4.5 m, south-east, very large but				
	12	SS 45446 24803	Oak	А	15.5	359	11	Will need inspection at	Flush-cut	healed over Stem, 5.5 m, north-east, may extend as			Moderate	Moderate
30/11/22		00 40440 24000	Ouk		10.0	555		height		rotten underneath Limb, 7 m, north-east, may extend at			moderate	moderate
									Stag	base				
									Tear-out	Limb, 9.9 m, south-west, looks healed over				
									Wound	Limb, 9.5 m, facing downward, don't know if extends				
								Will need	Stags and knotholes	Throughout, many may extend, some with fissure	1			
	13	SS 45495 24798	Oak	Α	17.5	389	12	inspection at height	Knotholes	Throughout, some may extend			Moderate	Moderate
									Tear-out	Limb, 10.5 m, west, looks healed over				
									Knothole	Limb, 4.5 m, south-west				
									Stag with knothole	Limb, 4.5 m, north-west				
									Lifting bark	Limb, 8.5 m, central				
									Stag with fissure	Limb, 5.5 m, east				
	14	SS 45519 24853	Oak	А	12.5	272	13		Snap-limb	Stem, 3.5 m, south-east, cavity may		Bird nest	Excellent	High
									Snap-limb	extend Limb, 6 m, south, may have cavity at				-
										collar Limb, 6.5 m, south-east, cavity likely to				
									Tear-out	extend				
									Snap-limb	Limb, 6.5 m, south-west, upward				
									Knothole	Limb, 6 m, south				
				H					Knothole with part	Stem, 2 m, west, may extend				
									of stag Flush-cut with					
									lifting bark	Stem, 4.5 m, north, may extend	-			
	15	SS 45531 24843	Oak	Α	13.5	357	14		Tear-out	Limb, 6.5 m, north, does not extend			Excellent	Moderate
									Butt-rot	Stem, base, extends				
									Wound	Limb, 6 m, north, may extend				
									Knotholes with	Throughout, may extend	1			
						ı	<u> </u>		stag					1

1

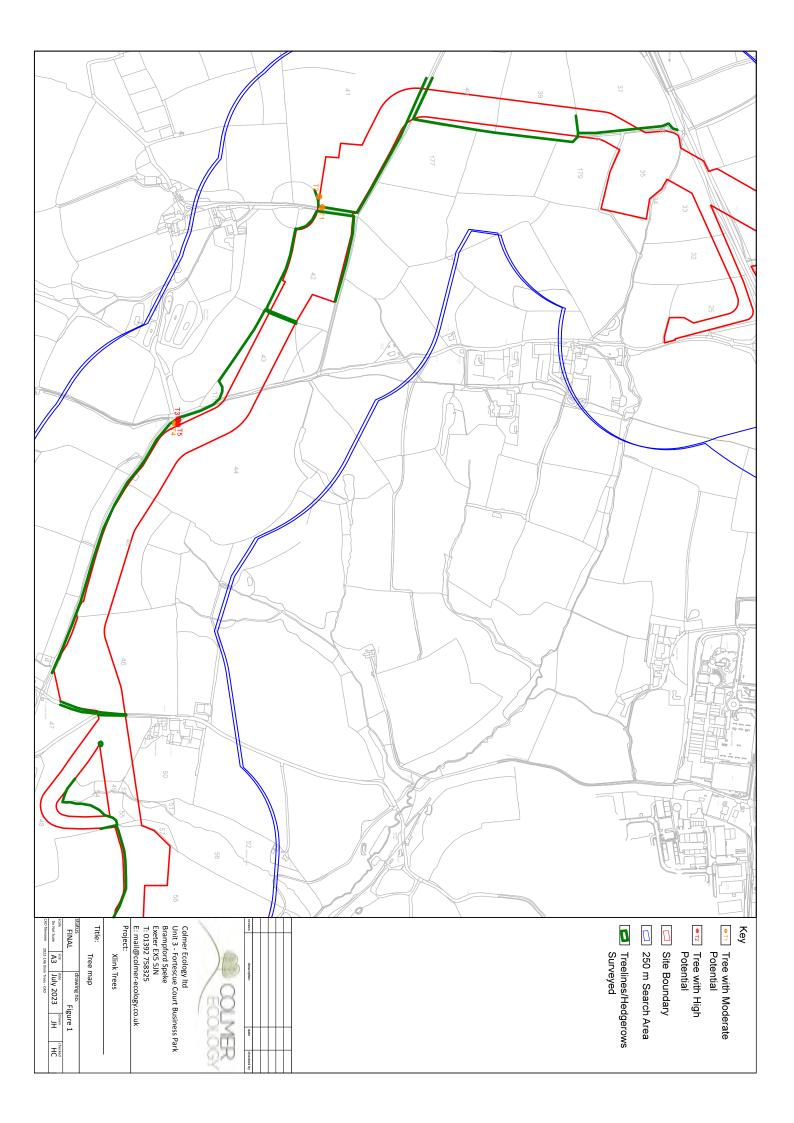
Table 1: Continued

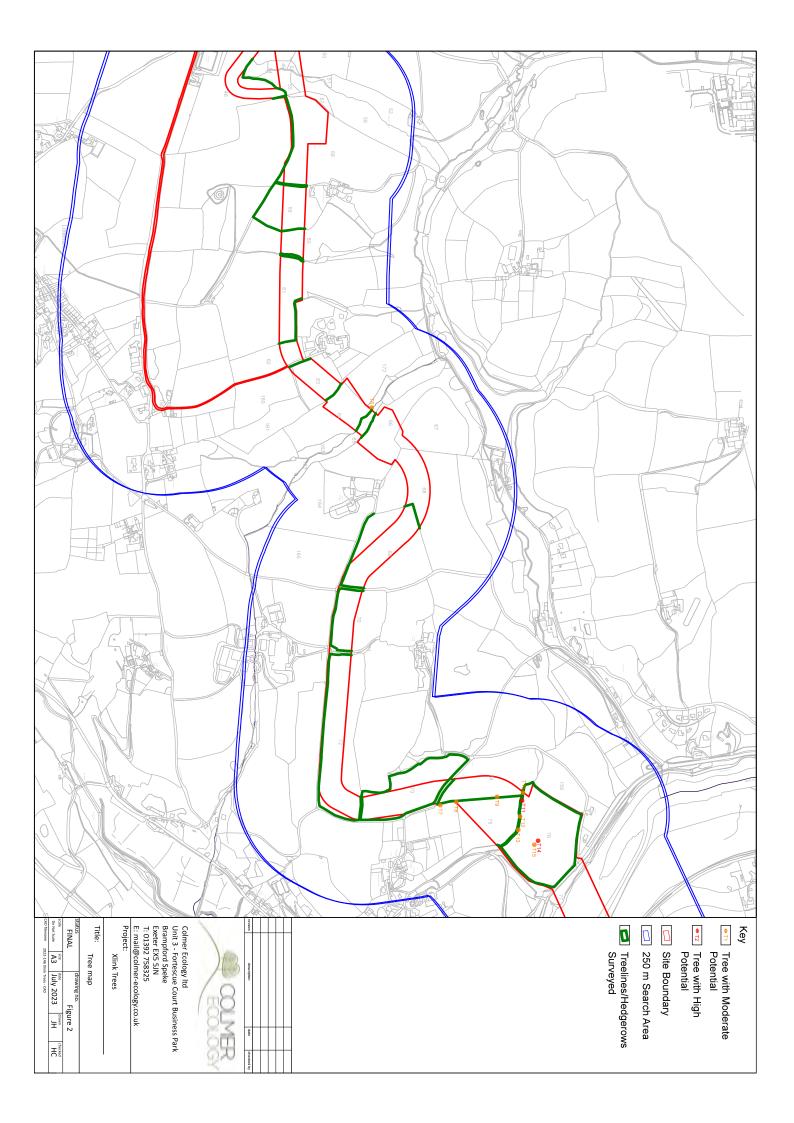
Date	Numbe r	Grid ref	Species	A/D	Height (m)	DBH (cm)	Tag	Comment	PRF type	PRF Specification	Bat	Bird/other s	Visibility	Potential
									Union	Stem, 2.5 m, central, does not extend				
	16	SS 46055 25162	Sycamore	Α	11.5	129	15		Wound	Limb, 4 m, south-west			Excellent	Moderate
									Wound	Limb, 4 m, south-west				
									Knothole	Stem, 2.5 m, north, extends to open cavity, may be more				
	47	SS 46056	0		40.5	400	40		Wound	Limb, 2.5 m, north, extends			Forelland	
	17	25162	Sycamore	А	10.5	199	16		Wound	Limb, 2 m, east. May extend			Excellent	Moderate
									Wound	Throughout. Not extending				
	18	SS 46057 25159	Ash	Α	13.5	110	17		Knothole	does not extend enough for roosting			Excellent	Moderate
									Wound	Throughout, not extending				
	19	SS 46049 25134	Sycamore	Α	13.5	18 - 65	18	Multi-stem	Wound	Limb, 1.5 m, north-west, extending to cavity			Excellent	Moderate
									Wound	Limb, 1 m, north-east, likely extending				
		00 4005005404	A - I:		40.5	000	40		Double leader	Stem, 1 m, central, not extending			Limited by	Martanata
	20	SS 4605225124	Ash	Α	19.5	292	19		lvy	Stem, throughout some plate			lvy	Moderate
	24	SS 46046	0			50.44	00	Madelantan	Wound	Stem, 1.5 m, north east extending			Forelland	Martanata
	21	25123	Sycamore	Α		52, 41	20	Multi-stem	Wounds	Throughout, not extending			Excellent	Moderate
									Wound	Limb, 6 m, north				
12/1/2022	22	SS 46045 25096	Ash	Α	14.5	153	21		Knothole	Stem, 3.5 m, north, may extend			Excellent	Moderate
									Knothole	Stem, central, facing up may extend.				
		SS 47709							Butt-rot	Stem, at base, north, some extending upwards. Endoscope required				
	23	25153	Ash	Α	11.5	59 - 182	22	Multi-stem	Canker	Throughout, no forming cavities			Excellent	Moderate
	24	SS 47718 25162	Oak	Α	12.5	75 - 152	23	Multi-stem	Knothole	Stem, 1 m, south, extending			Excellent	Moderate
	25	SS 47723 25159	Hornbea m	Α	10.5	22 - 59	24	Multi-stem	Wound	Stem, ground level, north-west, extending			Excellent	Moderate
	26	SS 4772325160	Hornbea m	Α	9.5	67	25		Wound	Stem, 2 m, south east, extending			Excellent	Moderate
	27	SS 47732 25173	Ash	Α	11.5	70 - 94	26	Multi-stem	Canker	Throughout, some forming extending cavities			Excellent	Moderate
									Knothole	Stem, 1 m, west				
		SS 47738	0.1		40.5	440	07		Stag	Limb, 2.5 m, cavity at base, south west			Forelland	
	28	25174	Oak	Α	10.5	142	27		Wound	Stem, 1 m, north west, extends upwards			Excellent	Moderate
									Lifting bark	Lifting bark, 2-4 m, north				
									Butt-rot	Smaller stem, 1 m, east, extending				
	29	SS 47746 25181	Beech	Α	11.5	66 - 141	28	Multi-stem, on a bank	Knothole	Throughout larger stem, may extend			Excellent	Moderate
									Butt-rot	1m, facing north west, on larger stem				
		SS 47748							Knothole	6 m, south west			_	
	30	25196	Ash	Α	12.5	32 - 101	29	Multi-stem	Knot hole	2.5m, north east, may extend			Excellent	Moderate

1

Table 2: Trees	s of 'Moderat	e' and 'High' bat	roosting po	otential - Off	ite								
Date	Number	Grid ref	Species	A/D	Height (m)	DBH (cm)	Tag	PRF type	pRF Specificatio n	Bat	Bird/others	Visibility	Potential
	Α	SS 41903 24548	Beech	Α	N/A	N/A	N/A	Frost-crack stem				Poor	High
11/29/2022	В	SS 42294 24346	Oak	А	N/A	N/A	N/A	Stag				Moderate	Moderate
	С	SS 44296 24328	Ash	Α	N/A	N/A	N/A	lvy				Moderate	High
	D	SS 44276 24346	Ash	Α	N/A	N/A	N/A	Transverse snap				Moderate	Moderate
	E	SS 44296 24328	Oak	Α	N/A	N/A	N/A	lvy				Moderate	Moderate
	F	SS 44318 24324	Willow	А	N/A	N/A	N/A	Transverse snap				Moderate	Moderate
	G	SS 44340 24303	Ash	Α	N/A	N/A	N/A	lvy				Moderate	Moderate
	н	N/A	Ash		N/A	N/A	N/A	lvy				Moderate	Moderate
	:	18/74	Asii		N/A	N/A	17/0	Snap-limb				Wioderate	Woderate
11/30/2022		SS 45553 24737	Beech	Α	N/A	N/A	N/A	Wound				Moderate	Moderate
11/30/2022	J	SS 45573 24736	Oak	Α	N/A	N/A	N/A	Tear-out				Poor	High
	K	SS 45654 24808	Beech	А	N/A	N/A	N/A	Wound stem				Moderate	Moderate
	L	SS 45681 24854	Beech	Α	N/A	N/A	N/A	Knot-hole				Moderate	High
	М	SS 45604 24957	Sycamore	Α	N/A	N/A	N/A	Wound				Moderate	Moderate
								Butt-rot					
	N	SS 45525 24966	Oak	Α	N/A	N/A	N/A	Flush-cut				Moderate	Moderate
								Tear-out/stag					
	0	SS 46044 25198	Ash	А	N/A	N/A	N/A	Tear-out/stag				Moderate	Moderate
	Р	SS 46045 25186	Ash	Α	N/A	N/A	N/A	Compression fork				Moderate	Moderate
	Q	SS 46040 25163	Ash	Α	N/A	N/A	N/A	Wound				Moderate	Moderate
	R	SS 46038 25153	Ash	Α	N/A	N/A	N/A	Tear-out				Moderate	Moderate
	ſ	SS 46035 25125	Cusamana		N/A	NI/A	NI/A	Wound				Madarata	Madazata
	S	35 40035 25125	Sycamore	А	N/A	N/A	N/A	Tear-out				Moderate	Moderate
	Т	SS 46030 25109	Sycamore	Α	N/A	N/A	N/A	Wound				Moderate	Moderate
	U	SS 47351 25169	Ash	Α	N/A	N/A	N/A	Knothole				Moderate	Moderate
								lvy					
12/1/2022	٧	SS 47381 25173	Ash	Α	N/A	N/A	N/A	Wound				Moderate	Moderate
								Stag					
	14/	CC 47400 2F1C0	A a b		N/A	NI/A	NI/A	Knothole limb				Madarata	Madazata
	W	SS 47408 25168	Ash	А	N/A	N/A	N/A	Wound with canker				Moderate	Moderate
	х	CC 47424 25167	A a b		N/A	NI/A	NI/A	Knothole limb				Madarata	Madazata
	χ.	SS 47421 25167	Ash	А	N/A	N/A	N/A	Wound limb				Moderate	Moderate
	V	CC 474E0 2E170	A a b		N/A	NI/A	NI/A	Canker limb				Madarata	Madazata
	Y	SS 47458 25170	Ash	A	N/A	N/A	N/A	lvy				Moderate	Moderate
	Z	SS 47681 25139	Oak	А	N/A	N/A	N/A	Stags				Moderate	Moderate
	AA	SS 47676 25149	Ash	А	N/A	N/A	N/A	Knothole stem				Moderate	Moderate

Figures





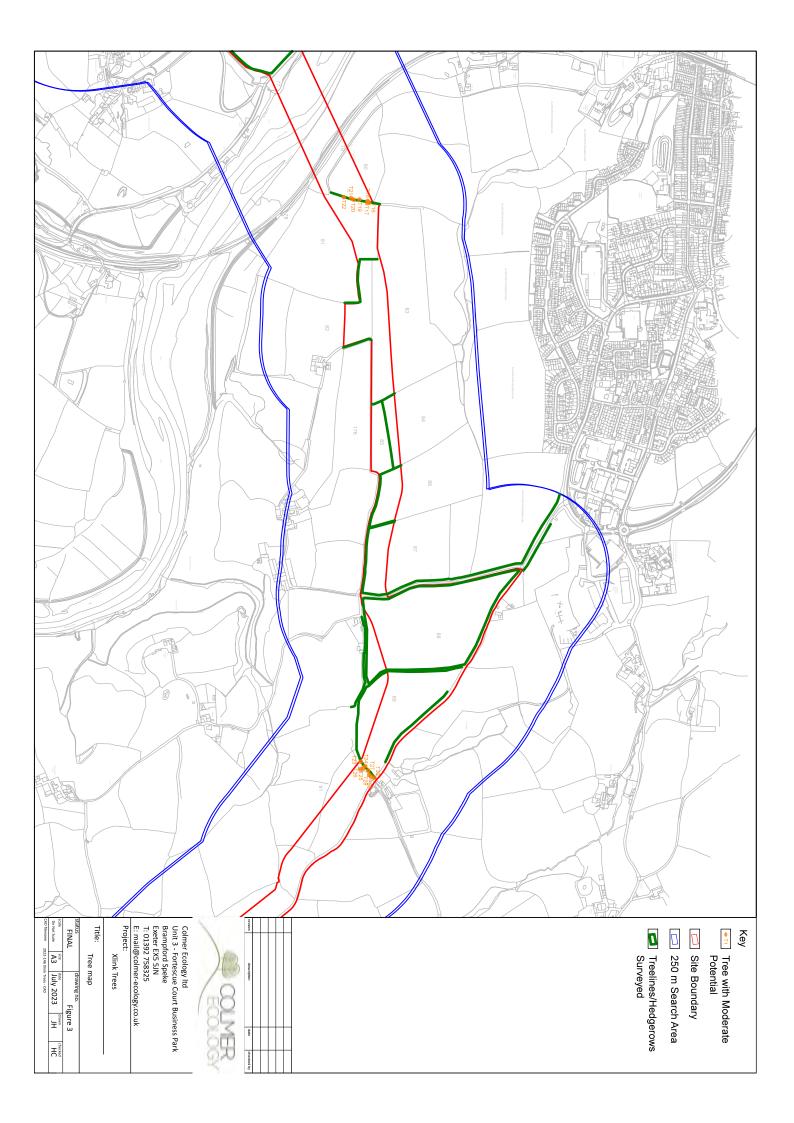


Figure 4: Photographs of trees assessed (Photographs taken on 29th November 2022)



Figure 5: Photographs of trees assessed (Photographs taken on 29th November 2022) T5 - Knothole T4 – Knothole T4 – Knothole T5 – Tear-out/knothole T5 – Oak (High) T5 - Tear-out and stag T5 – Tear-out and ivy, > 50 mm in T6 – Willow (Moderate)

Figure 6: Photographs of trees assessed (Photographs taken on 29th and 30th November 2022)



Figure 7: Photographs of trees assessed (Photographs taken on 30th November 2022)

T9 – Ash (Moderate) T8 - lvy, > 50 mm with plaiting in T8 – Snap-limb upwards and lifting bark T9 – Canker with cavity extending T8 – Tear-out that may extend T9 – Wound, may extend cavities that may extend T8 – Stag throughout, some with T10 - Ash (Moderate)

Figure 8: Photographs of trees assessed (Photographs taken on 30th November 2022)



Figure 9: Photographs of trees assessed (Photographs taken on 30th November 2022)



Figure 10: Photographs of trees assessed (Photographs taken on 30th November 2022)



Figure 11: Photographs of trees assessed (Photographs taken on 30th November and 1st December 2022)

T16 – Sycamore (Moderate) T15 – Knothole with part of stag that may extend T15 — Flush-cut with lifting bark that may have extending cavity T16 – Union without extending cavity T15 – Butt-rot with extending cavity T16 – Wound that may extend extending cavity T15 – Wound that may have T17 – Sycamore (Moderate)

Figure 12: Photographs of trees assessed (Photographs taken on 1st December 2022) T19 – Sycamore (Moderate) T17 – Knothole that extends to open T17 – Wounds, some of which may extend T19 – Wound that does not extend T18 – Ash (Moderate) T19 – Wound extending to cavity T18 - Knothole with small cavity T19 — Wound, likely extending

Figure 13: Photographs of trees assessed (Photographs taken on 1st December 2022) T20 – Ash (Moderate) T20 – Double-leader without extending cavity T20 – Ivy, >50 mm with some plaiting T21 – Sycamore (Moderate)









Figure 14: Photographs of trees assessed (Photographs taken on 1st December 2022) T24 – Oak (Moderate) T22 – Knothole, facing upward and may extend T23 – Ash (Moderate) T24 – Knothole, extending T23 - Butt-rot T25 – Hornbeam (Moderate) forming cavities T23 - Cankers throughout, none T25 – Wound, extending

Figure 15: Photographs of trees assessed (Photographs taken on 1st December 2022) T28 – Oak (Moderate) T26 – Hornbeam (Moderate) T26 - Wound, extending T28 – Knothole T27 – Ash (Moderate) T28 – Wound, extending upwards T23 – Cankers throughout some with at base T28 – Lifting bark and stag with cavity

Figure 16: Photographs of trees assessed (Photographs taken on 1st December 2022)

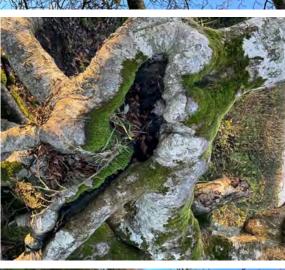
T29 – Knotholes throughout, some

T29 – Beech (Moderate)













T30 – Ash (Moderate)

Appendices

Appendix 1

Appendix 1 - List of Indictive Fauna and Flora Latin Names

Fauna

Soprano pipstrelle	Smooth newt	Slow worm	Serotine	Roe deer	Roach	Red admiral	Palmate newt	Otter	Noctule	Natterer	Nathusius pipistrelle	Lesser horseshoe	Leisler	House sparrow	Grey long-eared	Greater horseshoe	Great crested newt	Grass snake	European Hedgehog	European eel	Eurasian beaver	Dormouse	Daubenton	Common toad	Common swift	Common pipistrelle	Common lizard	Common kingfisher	Common frog	Cirl bunting	Brown long-eared	Brandt	Blue tit	Bechstein	Barn swallow	Barn owl	Barbastelle	Bank vole	Badger	Adder
Pipistrelly pygmaeus	Triturus vulgaris	Anguis fragilis	Eptesinus serotinus	Capreolus capreolus	Rutilus rutilus	Vanessa atalanta	Triturus helveticus	Lutra lutra	Nyctalus noctula	Myotis nattereri	Pipistrellus nathusii	Rhinolophus hipposideros	Nyctalus leisleri	Passer domesticus	Plecotu austriacus	Rhinolophus ferrumequinum	Triturus cristatus	Nartix natrix	Erinaceus europaeus	Anguilla anguilla	Castor fiber	Muscardinus avellanarius	Myotis daubentonii	Bufo bufo	Apus apus	Pipistrellus pipistrellus	Zootoca vivipara	Alcedo atthis	Rana temporaria	Emberiza cirlus	Plecotus auritus	Myotis brandtii	Cyanistes caeruleus	Myotis bechsteini	Hirundo rustica	Tyto alba	Barbastella barbastellus	Myodes glareolus	Meles meles	Vipera berus
Common figwort	Common chickweed	Common bistort	Comfrey	Cock's-foot	Cob nut	Clover species	Cleavers	Chickweed	Canadian pondweed	Camomile	Butterfly bush	Buttercup	Bugle	Bristly oxtongue	Bramble	Bracken	Borage	Bogbean	Bluebell	Blackthorn	Bird's-foot-trefoil	Bindweed	Bell heather	Beech	Bay laurel	Aspen	Ash	Apple	Annual meadow-grass	Alder	Agrimony		<u>Flora</u>		Wood pigeon	Whiskered	Water vole	Stoat	Starling	Speckled wood
Scrophularia nodosa	Stellaria media	Persicaria bistorta	Symphytum officinale	Dactylis glomerata	Corylus sp.	Trifolium	Galium aparine	Stellaria media	Elodea canadensis	Matricaria chamomilla	Buddleja davidii	Ranunculus sp.	Ajuga reptans	Helminthotheca echioides	Rubus fruticosus sp. agg.	Pteridium aquilinum	Borago officinalis	Menyanthes trifoliata	Hyacinthoides non-scripta	Prunus spinosa	Lotus corniculatus	Calystegia sepium	Erica cinerea	Fagus sylvatica	Laurel nobilis	Populus tremula	Fraxinus excelsior	Malus domestica	Poa annua	Alnus glutinosa	Agrimonia sp.				Columba palumbus	Myotis mystacinus	Arvicola amphibius	Mustela erminea	Sturnus vulgaris	Pararge aegeria
Guelder-rose	Ground ivy	Greater plantain	Greater burdock	Greater birds-foot trefoil	Gorse	Goose grass	Giant Hogweed	Germander speedwell	Fuchsia	Foxglove	Forget-me-not	Fleabane	Field maple	Field bindweed	False oat-grass	Elm	Elder	Dog's mercury	Dog rose	Dock species	Devil's-bit scabious	Dandelion	Daisy	Daffodil	Cypress species	Cuckooflower	Crested Dogstail	Creeping cinquefoil	Creeping buttercup	Creeping bent	Cranesbill species	Cow parsley	Cottongrass	Cotoneaster	Common violet	Common toadflax	Common sorrel	Common nettle	Common marsh-bedstraw	Common harebell
Sambucus eblus	Glechoma hederacea	Plantago major	Arctium lappa	Lotus peduncuulatus	Ulex europaeus	Galium aparine	Heracleum mantegazzianum	Veronica chamaedrys	Fuchsia magellanica	Digitalis purpurea	Myosotis scorpioides	Erigeron sp.	Acer campestre	Convolvulus arvensis	Arrhenatherum elatius	Ulmus minor var. vulgaris	Sambucus nigra	Mercurialis perennis	Rosa canina	Rumex sp.	Succusa pratensis	Taraxacum officinale agg.	Bellis perennis	Narcissus sp.	Cupressus sp.	Cardamine pratensis	Cynosurus cristatus	Potentilla reptans	Ranunculus repens	Agrostis stolonifera	Geranium	Anthriscus sylvestris	Eriophorum angustifolium	Cotoneaster sp.	Viola riviniana	Linaria vulgaris	Rumex acetosa	Urtica dioica	Galium palustre	Campanula rotundifolia

Monterey pine	Montbretia species	Meadowsweet	Meadow foxtail	Meadow fescue	Meadow buttercup	Marsh pennywort	Marsh fritillary	Marsh cinquefoil	March marigold	Male fern	Lords-and-ladies	Lime	Lily of the Valley	Leyland cypress	Lesser celandine	Lesser burdock	Lesser bulrush	Lavender	Laurel	Lady's bedstraw	Japanese knotweed	lvy	Horsetail	Horse chestnut	Hornbeam	Honeysuckle	Honesty	Holm oak	Holly	Hogweed	Himalayan balsam	Herb-robert	Hemp-agrimony	Hemlock water-dropwort	Hazel	Hawthorn	Hawkbit	Hart's tongue fem	Hairy brome	Guilder rose
Pinus radiata	Crocosmia sp.	Filipendula ulmaria	Alopecurus pratensis	Festuca pratensis	Ranunculus acris	Hydrocotyle vulgaris	Euphydryas aurinia	Potentilla palustris	Caltha palustris	Dryopteris filix-mas	Arum maculatum	Tilia sp.	Convallaria majalis	Leylandii sp.	Ranunculus ficaria	Arctium minus	Typha angustifolia	Lavandula officinalis	Lauraceae	Galium verum	Fallopia japonica	Hedera helix	Equisetum arvense	Aesculus x carnea	Carpinus betulus	Lonicera periclymenum	Lunaria annua	Quercus ilex	llex aquifolium	Heracleum sphondylium	Impatiens glandulifera	Geranium robertianum	Eupatorium cannabinum	Oenanthe crocata	Corylus avellana	Crataegus monogyna	Leontodon sp.	Asplenium scolopendrium	Bromus ramosus	Viburnum opulus
Sow thistle	Soft rush	Smooth tare	Silverweed	Silver birch	Shepard's-purse	Sessile oak	Scots pine	Scentless mayweed	Russian vine	Rowan	Rough meadowgrass	Rough hawkbit	Rosemary	Ribwort plantain	Rhododendron	Reedmace species	Reed sweet grass	Reed canary grass	Red valerian	Red clover	Red campion	Ragwort	Ragged-robin	Purple toadflax	Purple loosestrife	Privet	Primose	Poppy	Poplar species	Pond weed	Pineapple weed	Pine	Pimpernel species	Periwinkle	Perennial rye-grass	Pendulous sedge	Pedunculate oak	Oxeye daisy	New Zealand pigmy weed	Navelwort
Sonchus arvensis	Juncus effusus	Vicia tetrasperma	Potentilla anserina	Betula pendula	Capsella bursa-pastoris	Quercus petraea	Pinus sylvestris	Tripleurospermum inodorum	Fallopia bauldschuanica	Sorbus aucuparia	Poa trivialis	Leontodon hispidus	Rosmarinus officinalis	Plantago lanceolata	Rhododendron ponticum	Typha sp.	Glyceria maxima	Phalaris arundinacea	Centranthus ruber	Trifolium pratense	Silene dioica	Senecio jacobae	Lychnis flos-cuculi	Linaria purpurea	Lythrum salicaria	Ligustrum sp.	Primula vulgaris	Papaver sp.	Populus sp.	Potamogeton	Matricaria discoidea	Pinus sp.	Lysimachia sp.	Vinca sp.	Lolium perenne	Carex pendula	Quercus robur	Leucanthemum vulgare	Crassula helmsii	Umbilicus rupestris
Yorkshire fog	Yew	Yellow-rattle	Yarrow	Wych elm	Woundworts	Wood spurge	Wood sorrel	Wood anemone	Winter heliotrope	Willowherb	Willow species	Wild strawberry	Wild geraniums	Wild garlic	Wild cherry	Wild carrot	White melilot	White deadnettle	White clover	White campion	White bryony	Wayfaring-tree	Wavy St John's-wort	Water plantain	Water mint	Water forget-me-not	Water crowfoot	Walnut	Vetch species	Tutsan	Tormentil	Timothy	Three-cornered leek	Thistle species	Teasel species	Sycamore	Sumac	Stitchwort species	Spindle	Spear thistle
Holcus lanatus	Taxus baccata	Rhinanthus minor	Achillea millefolium	Ulmus glabra	Stachys sp.	Euphorbia amygdaloides	Oxalis acetosella	Anemone nemorosa	Petasites fragrans	Epilobium sp.	Salix sp.	Fragaria vesca	Geranium maculatum	Allium ursinum	Prunus avium	Daucus carota	Melilotus albus	Lamium album	Trifolium repens	Silene latifolia	Bryonia diocia	Viburnum lantana	Hypericum undulatum	Alisma plantago-aquatica	Menta aquatica	Myosotis scorpiodes	Ranunculus aquatilis	Juglans regia	Vicia sp.	Hypericum androsaemum	Potentilla erecta	Phleum pratense	Allium triquetrum	Cirsium sp.	Dipsacus sp.	Acer pseudoplatanus	Rhus sp.	Stellaria sp.	Euonymus europaeus	Cirsium vulgare



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