Fferm Solar Larnog

Environmental Statement

Volume IV, Appendix 7H - Arboricultural Impact Assessment

November 2026

Issue Sheet

Report Prepared for Trydan Gwyrdd Cymru

Document Title

Volume IV, Appendix 7H: Arboricultural Impact Assessment

Disclaimer

This report has been prepared by WSP UK Ltd with all reasonable care and diligence within the terms of the contract with the Client, Trydan Gwyrdd Cymru. We disclaim any responsibility to the client and others in respect of any matters outside the scope of the above. We accept no responsibility to third parties to whom this report, or any part, thereof is made available. Any such party relies upon the report at their own risk.

List of Contents

Executive Summary 1-1
1. Introduction 1-2
1.1. Project Background 1-2
1.2. Proposed Development 1-3
1.3. Information Received 1-3
2. Assessment Methodology 2-4
2.1. Survey Methodology 2-4
2.2. Root Protection Area 2-5
2.3. Tree Schedule 2-5
2.4. Assessment Limitations 2-6
2.5. Conditions of Tree Survey 2-6
2.6. Tree Retention Plan 2-7
3. Desk Study 3-8
3.1. Desk Study Findings 3-8
4. Arboricultural Survey Assessment 4-10
5. Arboricultural Impact Assessment 5-11
5.1. Introduction 5-11
5.2. Works within Root Protection Areas (RPA) 5-11
5.3. Tree Pruning 5-12
6. Summary and Conclusions 6-13
7. Arboricultural Method Statement 7-14
7.1. Introduction 7-14

List of Figures

Figure 3.1: TPO map extract from Vale of Glamorgan Council website (not to scale) 3-9

List of Tables

Table 3.1: Summary of Statutory and non-Statutory Constraints Affecting the Site 3-8
Table 4.1: Summary of tree quality categories 4-10
Table 5.1: Works within RPAs 5-11
Table 7.1: AMS Requirements 7-14

Executive Summary

A field-based arboricultural survey was undertaken in March 2026 and September 2026 in accordance with BS 5837, with tree locations mapped plotted using mobile GPS and open-source aerial imagery.

The desk study confirmed no record of conservation areas, ancient/veteran trees, traditional orchards nor ancient woodland within influencing distance of the Site Boundary. There is one TPO recorded.

In total, 131 tree features were recorded, comprising 70 trees, 31 groups of trees, 25 hedges and five woodlands. 81 tree features were assessed as Retention Category B, with three trees, one group and one woodland were assessed as Retention Category A. One tree was assessed as unsuitable for retention (Category U) with the remaining 44 features assessed as Retention Category C. Most Category C features comprised coarse hedges and groups at field margins.

The Proposed Development has been designed to retain existing trees as far as possible. No removals are anticipated to enable construction, but some works may be required within the Root Protection Areas of retained trees. It should be possible to retain all trees surveyed subject to suitable protection and supervision under an approved, site-specific Arboricultural Method Statement.

1. Introduction

1.1. Project Background

1.1.1. WSP UK Ltd (WSP) was instructed by Trydan Gwyrdd Cymru (the 'Applicant') to undertake an Arboricultural Survey Assessment (ASA) of the existing trees at the Site of the proposed Larnog Solar Farm (hereafter, the Proposed Development'). The survey was undertaken to inform this Arboricultural Impact Assessment (AIA) which forms part of the Environmental Statement (ES) for statutory pre-application consultation (PAC) relating to the Proposed Development.

1.1.2. The Proposed Development would be located on land approximately 500m south-west of Penarth and 550m east of Sully (hereafter 'the Site'). The Site is approximately 49.5 hectares (ha) in size and largely comprises agricultural land with defined field boundaries and pockets of woodland. The wider Land Ownership Boundary consists of 117 ha.

1.1.3. The Site Boundary for the Proposed Development is presented in **Figure 1.1: Site Location Plan** (Volume III), which presents both the Site Boundary and wider Land Ownership Boundary. The Proposed Development is located within the administrative boundary of the Vale of Glamorgan Council (hereafter 'the Council').

1.1.4. A survey of the trees on-site and within influencing distance of the boundaries was undertaken on 4 – 5 March 2026 and 17 September 2026 to collect baseline information, inform design and identify potential conflicts with trees.

1.1.5. This AIA of existing trees and hedgerows has been carried out in accordance with British Standard 5837:2012 'Trees in Relation to Design, Demolition and Construction - Recommendations' (hereafter referred to as BS5837)[1].

1.1.6. The purpose of this report is to:

- Review the relationship between the Proposed Development and the existing trees identified during the ASA;
- Provide a Tree Retention Plan to determine trees to be retained and removed in the context of the Proposed Development;
- Identify mitigation to offset tree loss as part of the development proposals; and
- Identify all areas where specific working methods are required to ensure protection of retained trees forming the basis of a future Arboricultural Method Statement (AMS), which would be prepared as part of the detailed Construction Environmental Management Plan (CEMP).

[1] British Standards Institution, (2012). British Standard 5837:2012, Trees in relation to design, demolition, and construction – Recommendations. British Standards Institution, London.

1.2. Proposed Development

1.2.1. The Proposed Development consists of the following elements:

- Ground mounted Solar Photovoltaic (PV) modules, with a total installed capacity of approximately 35 MW;
- Project Substation compound;
- Battery Energy Storage System (BESS);
- Balance of Solar System (BoSS) which comprises transformers and switchgear;
- Ancillary infrastructure works, including cables, boundary treatments, security equipment, lighting, weather stations, and access tracks;
- Landscaping, habitat management, biodiversity enhancement and amenity improvements;
- Permanent diversion of Public Footpath L1/5/2; and
- Associated safety and security infrastructure.

1.3. Information Received

1.3.1. **Figure 5.1: Indicative Site Layout** of the ES has been used to prepare this AIA.

2. Assessment Methodology

2.1. Survey Methodology

2.1.1. A full arboricultural survey in accordance with BS5837 has been undertaken to assess the trees within influencing distance of the Site.

2.1.2. All features surveyed with a stem diameter greater than 75 mm are shown on the Tree Protection Plan at **Annex B** and have been assigned a unique reference number. Trees were visually assessed and a Tree Survey Schedule (TSS) prepared listing:

- Reference number;
- Height;
- Stem diameter;
- Species;
- Crown spread;
- Minimum crown clearance;
- Physiological condition;
- Structural condition; and
- Age class.

2.1.3. Measurements for tree height, minimum crown clearance and crown spread were taken to an accuracy of 0.5 m or visually estimated. Stem diameter measurements were recorded to the nearest 10 mm. Any specific observations were also noted. All observations and measurements are detailed in the TSS at **Annex A**.

2.1.4. Trees were assigned one of the following quality categories:

- Retention Category U: Trees in such a condition that they cannot realistically be retained as living trees in the context of the current land use for longer than 10 years;
    - It should be noted that some trees considered unsuitable to retain in terms of arboricultural amenity value (Retention Category U) may possess existing or potential conservation value which make them desirable to retain as habitat for specialist wildlife species (e.g. areas with limited public access where the risk of harm is tolerable);
- Retention Category A: Trees of high quality with an estimated remaining contribution of at least 40 years;
- Retention Category B: Trees of moderate quality with an estimated remaining contribution of at least 20 years; and
- Retention Category C: Trees of low quality with an estimated remaining contribution of at least 10 years, or young trees with a stem diameter below 150mm.

2.1.5. Categories A, B and C have further sub-categories with regards to the reasons for tree retention:

- Mainly arboricultural qualities;
- Mainly landscape qualities; and
- Mainly cultural values, including conservation.

2.2. Root Protection Area

2.2.1. To avoid damage to the roots or rooting environment of retained trees, the Root Protection Area (RPA) has been calculated for the Category A, B and C trees in accordance with section 4.6 of BS5837. RPAs are recommended as the minimum area around a tree that contains sufficient roots and rooting volume to maintain healthy trees.

2.2.2. Where groups of trees have been assessed, the RPA value given in the TSS is for the largest tree stem in each group. However, groups and woodlands are drawn on the Tree Protection Plan to show canopy extent, with an indicative RPA buffer of 1 m outside canopy edge. While this may exceed the RPA required for some of the individual specimens within the group, it is suggested as a useful precautionary approach during the design phase.

2.2.3. Further detailed inspection of the individual trees forming a group may be required where construction impacts can be refined to individual trees forming the combined group, which might be implemented by an Arboricultural Clerk of Works under an approved AMS. The AMS would be developed as part of the final CEMP.

2.2.4. Protection of the roots and soil structure within the RPA should be treated as a priority. Dimensions have been calculated using the formulas within Section 4.6 and Annex D of BS5837.

2.3. Tree Schedule

2.3.1. The schedule at **Annex A** details the relevant information for individual trees, groups, hedgerows, and woodlands at the time of inspection. Short notes to describe condition are provided.

2.4. Assessment Limitations

2.4.1. This survey has been undertaken in accordance with BS5837 and trees with a stem diameter of less than 75 mm were discounted. The exact position of individual tree stems recorded as part of a tree group, hedgerow or woodland should be checked and verified on-site with reference to the indicative RPA dimensions in the TSS prior to any decisions for foundation design for structures, tree works or construction activity being undertaken.

2.4.2. Desk-based searches relating to the presence of TPOs are only valid on the date at which the desk study search was undertaken. In instances where tree works not specified in this report are to be undertaken, a further search for the presence of TPOs should be carried out prior to commencement.

2.4.3. Trees are dynamic organisms influenced by a variety of biotic and abiotic factors. This report does not constitute a health and safety survey. Where concerns for tree health and safety exist, a specific tree safety inspection should be carried out. Any recommendations made within this report are therefore valid for a period of 24 months from the date of survey. Further inspection of trees may be required when there is a change in site conditions or pruning or other works not specified in this report are carried out.

2.4.4. Assessments of statutory and non-statutory constraints have been carried out using third-party information and aerial imagery with a combination of Google Earth and Google Streetview. While this is considered to be broadly accurate, in some instances no specific date is given for the information and imagery used.

2.5. Conditions of Tree Survey

2.5.1. The survey was completed by competent arboriculturists from within the Site Boundary. The trees have been visually inspected from ground level only and no tissue samples were taken, nor was any internal investigation of the subject trees undertaken. Evaluation of tree condition given within this assessment applies to the date of survey and cannot be assumed to remain unchanged.

2.5.2. In the absence of a topographic survey, trees have been positioned using mobile GPS and aerial photography to provide approximate locations in relation to existing surrounding features.

2.6. Tree Retention Plan

2.6.1. The Tree Retention Plan at **Annex B** combines baseline tree survey data with the indicative layout plans (see **Figure 5.1** (Volume III)), which was used to derive a sketch of assumed maximum site clearance extents. GIS analysis then identified tree features which were assumed to intersect the area of site clearance needed for the Proposed Development.

3. Desk Study

3.1. Desk Study Findings

3.1.1. Where a TPO, conservation area or ancient woodland applies to trees within the Site, statutory and non-statutory constraints will apply to the Proposed Development in respect of trees. The results of the desk-based searches are detailed within the table below:

Table 3.1: Summary of Statutory and non-Statutory Constraints Affecting the Site

Tree Constraint	Present?	Source	Date of Search	Details
TPO	Yes	Vale of Glamorgan Council website[2]	30/04/2026	TPO 008 'Swanbridge' 01/08/1952
Conservation Area	No	As above	30/04/2026	N/A
Ancient Woodland	No	Data Map Wales[3]	30/04/2026	N/A
Veteran or Ancient tree	No	Ancient Tree Inventory (ATI)[4]	30/04/2026	N/A
Traditional Orchard	No	Data Map Wales	30/04/2026	N/A
Listed Parks & Gardens	No	Vale of Glamorgan Council website	30/04/2026	N/A

3.1.2. The Swanbridge TPO 008, dated 1 August 1952, appears to cover several groups and woodlands nearby, including some within the Site Boundary. Please refer to **Figure 3.1**.

[2] https://www.valeofglamorgan.gov.uk/en/living/planning_and_building_control/Planning/Trees-and-Hedges.aspx
[3] https://datamap.gov.wales/maps/new?layer=geonode:ai_woodland_output_multi#/
[4] https://ati.woodlandtrust.org.uk/tree-search/?v=3019993&ml=map&z=15.253624625174826&nwLat=51.41098266940793&nwLng=-3.2191533062182316&seLat=51.399294763765596&seLng=-3.1730773931388683

Figure 3.1: TPO map extract from Vale of Glamorgan Council website (not to scale)



3.1.3. TPO 008 Swanbridge applies to the following WSP tree features (see **Annex A** and **Annex B**):

- Trees T1-T5, T29, T36 and T40;
- Groups G1, G15, G16, G17, G19, G30 and G31; and
- Woodlands W2 and W3.

4. Arboricultural Survey Assessment

4.1.1. A tree survey schedule detailing information about trees in the study area is presented at **Annex A**. **Table 4.1** summarises the number of trees surveyed and their tree quality categories. The spatial location of trees, groups, woodlands and hedges are shown on the Tree Retention Plan at **Annex B**.

Table 4.1: Summary of tree quality categories

BS 5837 Retention Category & Quality	Trees	Groups	Hedges	Woodlands	Totals
Category A (High Quality)	3	1	0	1	5
Category B (Moderate Quality)	57	20	0	4	64
Category C (Low Quality)	9	10	25	0	38
Category U (Very Low Quality	1	0	0	0	1
Totals	**70**	**31**	**25**	**5**	**131**

4.1.2. Baseline locations for trees surveyed at the Site are shown on the Tree Protection Plan at **Annex B**. The Site exhibits characteristics typical of its fertile, lowland setting and agricultural land use. Semi-natural woodland was present, dominating both northern and southern edges. Significant groupings of large trees occur throughout, particularly to the west near Hopkins Mount, suggesting remnants of landscaped parkland. A mosaic of arable fields was bounded by established hedges, with only those next to highways maintained by flail to manage height. Elsewhere, hedges were flailed on the crop side along narrow headlands but not flailed to manage height. Most were predominantly hawthorn (*Crataegus monogyna*) with blackthorn (*Prunus spinosa*), but with other species including willows (*Salix* spp.), ash, sycamore, Field maple (*Acer campestre*) and oak occurring frequently.

4.1.3. The tree resource is largely composed of low to moderate quality, Retention Category B and C, early-mature individuals, with structure and form typical of their rural setting. Sycamore (*Acer pseudoplatanus*) was noted most frequently, followed by oak (*Quercus petraea*) and ash (*Fraxinus excelsior*). Scots pine (*Pinus sylvestris*) and Holm oak (*Quercus ilex*) occurred prominently in group plantings.

4.1.4. In total, 131 tree features were surveyed. Of these, three trees (T25, T36 and T39), one group (G30) and one woodland (W2) were assessed as high quality (Retention Category A). A further 57 trees, 20 groups and four woodlands were assessed as moderate quality, Retention Category B. The remaining 38 features were classified as low quality, Retention Category C, with one tree assessed as very low quality, Retention Category U.

4.1.5. Most individual trees and tree groups are of moderate quality, with many being prominent in the local landscape.

5. Arboricultural Impact Assessment

5.1. Introduction

5.1.1. This section of the report details the potential impacts that the Proposed Development may have upon the Site's tree stock (**Table 5.1**). The assessment has been based upon the results of the Tree Survey Assessment with reference to the documents detailed in **Table 1.1**.

5.1.2. The Proposed Development will not require the removal of any trees, groups or woodlands as per the designs provided. All solar panel tables are not less than 10m from indicative RPAs, principally to mitigate potential for shading to inhibit performance.

5.1.3. All ancillary infrastructure likewise has been designed to avoid direct conflict with indicative RPAs.

5.1.4. Tracking generally has likewise been designed to use existing internal access from field to field but may require minimal removals from some hedge and group features once marked out on the ground. Subject to micro-design adjustments, in many places tree pruning works may be sufficient to create suitable access alignments.

5.2. Works within Root Protection Areas (RPA)

5.2.1. Some aspects of the Proposed Development might require works within the RPAs of retained trees as detailed in **Table 5.1**:

Table 5.1: Works within RPAs

Trees/Groups/ Hedgerow/Woodland Reference	Species	BS 5837 Retention Category	Affected RPA %	Proposed Works
All	Various	All	Minimal	Track installation

5.2.2. The proposed works within the RPAs may involve minor works for the installation of tracks to enable maintenance access. All operations within or adjacent to RPAs should be undertaken in accordance with a detailed Arboricultural Method Statement (AMS) to ensure that construction methods are appropriately controlled and that retained trees are afforded adequate protection throughout the works.

5.2.3. Requirements for the AMS are included in **Table 7.1**.

5.3. Tree Pruning

5.3.1. All tree pruning works should be detailed as part of an AMS and completed in accordance with the current best practice guidance set out within BS3998:2010 Tree Work – Recommendations[5] by suitably competent, qualified, and insured arboricultural contractors.

5.3.2. The extent of pruning should be identified to contractors in a pre-commencement site meeting as part of enabling works.

5.3.3. The extent of any tree pruning required to facilitate construction access will be determined following contractor appointment and detailed design.

[5] British Standards Institution. (2010). British Standard 3998:2010, Tree Work – Recommendations. British Standards Institution, London.

6. Summary and Conclusions

6.1.1. A field-based survey of the arboricultural features within the study area was undertaken on 4 – 5 March 2026 and 17 September 2026. The arboricultural survey was undertaken in accordance with BS5837 and tree features plotted using mobile GPS and open-source aerial imagery.

6.1.2. The desk study confirmed no record of conservation areas, ancient/veteran trees, traditional orchards nor ancient woodland within influencing distance of the Site Boundary. There is one TPO recorded, as detailed in **Section 3.1.2**.

6.1.3. In total, 131 tree features were recorded, comprising 70 trees, 31 groups of trees, 25 hedges and five woodlands. 81 were assessed as moderate quality, Retention Category B, with three trees, one group and one woodland assessed as high quality, Retention Category A. One tree was assessed as unsuitable for retention, Retention Category U with the remaining 44 features assessed as low quality, Retention Category C. Most low-quality features comprised coarse hedges and groups at field margins.

6.1.4. The Proposed Development has been designed to retain existing trees as far as possible. No removals are anticipated to enable construction, but some works may be required within the RPAs of retained trees. It should be possible to retain all trees surveyed subject to suitable protection and supervision under an approved, site-specific AMS.

7. Arboricultural Method Statement

7.1. Introduction

7.1.1. An AMS for tree protection will be required for the Site as various aspects of the Proposed Development affect retained trees. The purpose of an AMS is to ensure that all site operations occur with minimal risk of adverse impact upon retained trees. The AMS will be developed and implemented as part of the detailed CEMP, prior to construction.

7.1.2. The AMS for this development should address the following:

Table 7.1: AMS Requirements

Action	To be included in AMS – Yes / No
Pre-commencement site meeting / toolbox talk / induction	Yes
Regular tree protection audits	Yes
RIBA Stage 5 - Enabling Works (Demolition)	
Tree surgery specification	Yes
Site set up and logistics	Yes
Establishment of Demolition Exclusion Zone (DEZ)	No
Topsoil stripping / subsoil regrading	Yes
Demolition of structures and removal of hard surfaces	Yes
RIBA Stage 5 - Main Works (Construction)	
Establishment of Construction Exclusion Zone (CEZ)	Yes
Permanent and temporary ground protection measures	Yes
Construction of structures within the RPA / Construction Exclusion Zone (CEZ)	Yes
Working space to construct new buildings within RPAs	No
Installation of utilities within RPAs	Yes
RIBA Stage 6 – Handover and Close Out	
Removal of tree protection measures	Yes

Annex A: Tree Schedule

KEY – ARBORICULTURAL SURVEY SCHEDULE

REFERENCE ABBREVIATIONS

- G – Group
- H - Hedge
- LG – Linear group
- T – Tree
- W - Woodland

MEASUREMENTS

Height is estimated to provide a relative indication of tree size.

Stem Diameter measurements are in accordance with BS 5837.

Crown spread for individual trees was estimated in the four cardinal points.

LCH is the lowest canopy height. It is an estimate of the lowest point of foliage above ground level of the tree indicating the clearance below the tree.

LBH is the lowest branch height and is the height above ground level of the first branch union.

ASSESSMENTS

Life stage:

- Y - Young – <15% estimated life expectancy
- SM - Semi-mature – up to 25% estimated life expectancy
- EM – Early-mature – up to 50% estimated life expectancy
- M - Mature – over 50% estimated life expectancy
- OM – Over-mature – near or at 100% estimated life expectancy – may indicate veteran or ancient tree

Physiological condition – Good, Fair, Poor or Dead

Structural condition – Good, Fair, Poor or Unstable

Estimated remaining contribution - <10 years, 10+ years, 20+ years or 40+ years.

BS 5837 Category – A, B, C or U.

ROOT PROTECTION AREA

RPA radius is the radius of a circular Root Protection Area associated with the tree as measured from the centre of the stem. For arboricultural features where more than one stem diameter is recorded, the RPA radius is calculated using the largest dimension.

Ref.	Species	Height (m)	Stem Dia. (mm)	Crown Spread N, E, S, W	LCH (m)	LBH (m)	Life Stage	Physiological Condition	Structural Condition	Tree Condition Notes & Observations	RPA Rad. (m)	Estimated Remaining Contribution	BS5837 Category
T1	Sycamore	13	550	5 - 5 - 6 - 3	3	2	EM	F	F	Field boundary. Pruned w side near carriageway.	6.6	20+	B1
T2	Sycamore	13	550e	6 - 5 - 6 - 5	2	2	EM	F	F	Field boundary. In agri hedge, flailed Hawthorn.	6.6	20+	B1
T3	Sycamore	13	500e	6 - 5 - 6 - 5	2	2	EM	F	F	Field boundary. In agri hedge, flailed Hawthorn.	6	20+	B1
T4	Sycamore	13	550e	6 - 5 - 6 - 5	2	2	EM	F	F	Field boundary. In agri hedge, flailed Hawthorn. Ivy throughout crown to 75%.	6.6	20+	B1
T5	Sycamore	13	600e	6 - 7 - 4 - 6	2	2	EM	F	F	Field boundary. In agri hedge, flailed Hawthorn. Ivy throughout crown to 75%.	7.2	20+	B1
T6	Oak	13	700	4 - 5 - 5 - 4	3	3	EM	F	F	Oak maiden in group feature. Ivy on stem to lowest laterals. Minor deadwood <75mm.	8.4	20+	B1
T7	Sycamore	9	380	5 - 4 - 5 - 5	3	3	EM	F	F	In hedgerow. Lichen and moss.	4.6	20+	B1
T8	Sycamore	9	320	5 - 4 - 5 - 4	3	3	EM	F	F	Low bud density, minor deadwood <75mm, minor machine strike wounds on e lateral.	3.8	10+	C1
T9	Crack willow	8	450e	4 - 4 - 4 - 4	1	1.5	EM	F	F	On private land, on higher ground above adjacent field, canopy healthy, inaccessible behind shrubs and fence	5.4	20+	B1
T10	Sycamore	9	250	3 - 2 - 3 - 3	2	2	EM	F	F	Sycamore maiden in hedgerow with hawthorns and 1 smaller sycamore.	3	20+	B2
T11	Sycamore	12	600	8 - 6 - 6 - 6	3	3	EM	F	F	Ivy in crown 50%	7.2	20+	B1
T12	Sycamore	12	550	6 - 5 - 6 - 6	3	3	EM	F	F	Ivy in crown 75%	6.6	20+	B1
T13	Sycamore	12	600	8 - 5 - 6 - 7	3	3	EM	F	F	Dead Ivy in crown 75%	7.2	20+	B1
T14	Sycamore	9	500	6 - 5 - 5 - 5	3	3	EM	F	F	Ivy in crown 75%	6	20+	B1
T15	Field maple	12	600	4 - 4 - 4 - 4	0.5	0.5	EM	F	F	Within the hedge, flailed, under power lines, canopy healthy, multi stem from 0.5m	7.2	20+	B1
T16	Ash	14	800	5 - 7 - 5 - 4	1	2	EM	P	P	Low bud density, failed lateral w side, ivy in crown 75%	9.6	10+	C1
T17	Oak	8	400e	4 - 5 - 4 - 4	2	2	EM	F	F	Within the hedge, Ivy from base to mid canopy, snapped branches, canopy healthy.	4.8	20+	B1
T18	Oak	8	350e	4	3	3	EM	F	F	Within the hedge, Ivy from base to mid canopy, snapped branches, canopy looks healthy	4.2	20+	B1
T19	Oak	8	400e	4	0.5	3	EM	F	F	In hedgeline, ivy from base to mid canopy, snapped branches, canopy healthy.	4.8	20+	B1
T20	Oak	10	500	4 - 4 - 6 - 6	1	2	EM	F	F	Field edge, lifted for machine access, crude pruning, ivy to crown 50%	6	20+	B1

Ref.	Species	Height (m)	Stem Dia. (mm)	Crown Spread N, E, S, W	LCH (m)	LBH (m)	Life Stage	Physiological Condition	Structural Condition	Tree Condition Notes & Observations	RPA Rad. (m)	Estimated Remaining Contribution	BS5837 Category
T21	Oak	10	650e	7	0	0	M	F	F	In hedgeline, ivy from base to upper canopy, snapped branches, canopy healthy, inaccessible due to hedge and ivy, decay in the stem from 0.5 to 3m, minor deadwood in canopy.	7.8	20+	B1
T22	Ash	9	550	3 - 5 - 4 - 4	2	2	EM	F	F	3 ash stems in hedgerow. Ivy to 50% crown.	6.6	20+	B2
T23	Ash	12	0	5	0	0	EM	P	F	Approx 80% of canopy is dead, within the hedge, multi-stem from base, inaccessible	0	<10	U
T24	Oak	11	600e	6 - 7 - 6 - 8	3	2	EM	P	F	Low, spreading crown from 2 scaffolds at 3m. Minor deadwood <100mm throughout. Ivy to 66% in crown.	7.2	20+	B1
T25	Oak	12	850	8 - 8 - 10 - 8	4	3	M	F	F	Field boundary, canopy healthy, moderate deadwood <100mm in canopy, habitat holes	10.2	20+	A1
T26	Oak	12	600e	8	0	0	M	F	F	Same as other oaks nearby	7.2	20+	B1
T27	Oak	10	400e	4 - 1 - 1 - 4	6	6	EM	F	P	Half of canopy lost, ivy on stem	4.8	10+	C1
T28	Ash	17	900	8 - 7 - 8 - 8	4	4	EM	F	F	Inaccessible next to fence boundary with caravan park. Bud density good. Ivy to lower scaffolds.	10.8	20+	B1
T29	Ash	20	900	5 - 6 - 6 - 6	6	5	EM	P	F	Edge of group. Dieback evident. Bark defects on laterals.	10.8	10+	C2
T30	Oak	11	600	5 - 5 - 5 - 3	4	3	EM	F	F	Maiden in hedgerow, inaccessible. Ivy to 75% in crown	7.2	20+	B2
T31	Sycamore	18	700e	10	6	5	M	P	F	Ditch and road to west, ivy from base to upper canopy, sparse canopy - approx 40% of canopy is dead. Moderate deadwood <150mm in canopy, power lines running through canopy.	8.4	20+	B1
T32	Holm oak	16	600e	6 - 6 - 6 - 6	2	2	EM	G	F	Inaccessible 10m n of hedge. Prominent locally	7.2	40+	B1
T33	Ash	8	290e	3 - 3 - 3 - 3	2	2	EM	F	F	Maiden in hedgerow. Ivy on lower scaffold	3.5	20+	B1
T34	Sycamore	18	550e	9 - 9 - 9 - 9	3	3	M	F	F	Approx 20% of canopy is dead, ivy from base to upper canopy, part of a group, ditch and road to west, previous pruning observed in lower canopy.	6.6	20+	B1
T35	Sycamore	18	500e	5 - 5 - 5 - 5	11	11		F	F	Part of a group, ivy from base to upper canopy, previous pruning observed, basal growth, moderate deadwood <100mm in canopy.	6	20+	B1

Ref.	Species	Height (m)	Stem Dia. (mm)	Crown Spread N, E, S, W	LCH (m)	LBH (m)	Life Stage	Physiological Condition	Structural Condition	Tree Condition Notes & Observations	RPA Rad. (m)	Estimated Remaining Contribution	BS5837 Category
T36	Sycamore	22	900e	10 - 10 - 10 - 10	4	4	M	F	F	Part of a group, road and ditch to west, ivy from base to upper canopy, canopy healthy, minor deadwood <50mm, power lines to west, measured over ivy, pruned clear of carriageway.	10.8	40+	A1
T37	Oak	11	600e	2 - 5 - 1 - 4	4	3	EM	P	P	Eccentric crown, possibly storm damage	7.2	20+	C1
T38	Oak	15	750e	5 - 6 - 5 - 7	4	3	EM	F	F	Maiden in hedgerow. Major laterals poorly pruned.	9	20+	B1
T39	Oak	24	1200e	12 - 12 - 12 - 12	5	5	M	F	F	Beyond scheme boundary but big tree, canopy healthy, inaccessible so assessed from distance	14.4	40+	A1
T40	Ash	19	900e	5 - 8 - 4 - 5	3	3	EM	F	P	Heavy past pruning, scaffolds truncated	10.8	10+	C1
T41	Oak	6	750e	2 - 2 - 2 - 2	3	2	EM	F	P	In garden. High pollard, 2 scaffolds. Raptor platform.	9	20+	B1
T42	Ash	11	430e	5 - 6 - 2 - 3	2	2	EM	F	F	Field side of garden boundary. Pruned clear on garden side.	5.2	20+	B1
T43	Ash	12	420e	6 - 5 - 2 - 2	2	2	EM	F	F	Field side of garden boundary. Pruned clear on garden side.	5	20+	B1
T44	Hawthorn	6	290e	2 - 2 - 2 - 2	1	1	EM	F	F	Hedgerow corner.	3.5	20+	B2
T45	Oak	11	730	6 - 5 - 6 - 6	2	2	EM	G	F	Pair in field. Historic wound at first scaffold SE, occluding.	8.8	40+	B1
T46	Oak	10	560	6 - 5 - 6 - 6	0.5	3	EM	G	F	Pair in field. Minor deadwood <100mm.	6.7	40+	B1
T47	Oak	10	400e	5 - 5 - 5 - 5	3	2	EM	F	F	In woodland, 3m beyond ditch at field boundary	4.8	20+	B3
T48	Sycamore	9	220e	3 - 3 - 3 - 3	2	2	SM	F	F	1m behind ditch, edge of woodland, lower crown flailed on field side	2.6	20+	B3
T49	Ash	12	600e	7 - 4 - 6 - 7	1	2	EM	F	F	2m behind ditch, woodland edge, bud density good, ivy to 50% in crown	7.2	20+	B3
T50	Ash	11	300e	5 - 4 - 4 - 4	2	2	EM	F	F	2 stems in hedgerow, bud density good, ivy in crown to 50%	3.6	20+	B2
T51	Sycamore	12	600e	4 - 2 - 5 - 4	4	3	EM	F	F	Multi-stem from 0.5m. Ivy to 8m. Pruned clear of footway. Blackthorn beneath.	7.2	20+	B2
T52	Sycamore	12	600e	4 - 2 - 5 - 4	4	3	EM	F	F	Multi-stem from 0.5m. Ivy to 8m. Pruned clear of footway. Blackthorn beneath. Crown density lower than neighbours.	7.2	20+	B2
T53	Sycamore	12	550e	4 - 2 - 5 - 2	4	3	EM	F	F	Multi-stem from 0.5m. Ivy to 8m. Pruned clear of footway. Blackthorn beneath. Crown density lower than neighbours.	6.6	20+	B2

Ref.	Species	Height (m)	Stem Dia. (mm)	Crown Spread N, E, S, W	LCH (m)	LBH (m)	Life Stage	Physiological Condition	Structural Condition	Tree Condition Notes & Observations	RPA Rad. (m)	Estimated Remaining Contribution	BS5837 Category
T54	Sycamore	12	500e	4 - 3 - 5 - 3	1	2	EM	F	F	Multi-stem from 0.5m. Ivy to 8m. Pruned clear of footway. Blackthorn beneath. Crown density lower than neighbours.	6	20+	B2
T55	Sycamore	10	500e	4 - 1 - 2 - 2	1	2	EM	F	F	Multi-stem from 0.5m. Ivy to 8m. Pruned clear of footway. Blackthorn beneath. Crown density lower than neighbours.	6	20+	B2
T56	Sycamore	14	750e	6 - 7 - 7 - 8	3	3	EM	G	F	On corner, room to spread. Ivy to 8m. Crown density good.	9	20+	B1
T57	Sycamore	12	650e	4 - 5 - 5 - 5	3	2	EM	F	F	Pruned clear of carriageway. Ivy to 10m.	7.8	20+	B2
T58	Ash	12	400e	3 - 4 - 4 - 4	5	4	EM	G	F	Pruned clear of carriageway. Ivy to 2m.	4.8	20+	B2
T59	Sycamore	10	450e	4 - 4 - 4 - 0	2	2	EM	F	P	Right beside field gate, canopy absent on west side. Crown density low. Ivy to 6m.	5.4	20+	C1
T60	Sycamore	6	250e	1 - 2 - 2 - 2	1	1	SM	P	F	Right next to gate. Tip dieback.	3	10+	C2
T61	Sycamore	9	350e	2 - 2 - 2 - 2	1	1	SM	F	F	Pruned clear of carriageway.	4.2	10+	B2
T62	Sycamore	5	150e	2 - 1 - 1 - 0	1	1	SM	P	P	Leader broken. Bramble to 3m.	1.8	20+	C2
T63	Hawthorn	6	350e	2 - 4 - 2 - 2	2	2	EM	F	F	1 of 3 along roadside boundary. Scruffy.	4.2	10+	B2
T64	Hawthorn	6	350e	2 - 4 - 2 - 2	2	2	EM	F	F	1 of 3 along roadside boundary. Scruffy.	4.2	20+	B2
T65	Hawthorn	6	350e	2 - 4 - 2 - 2	2	2	EM	F	F	1 of 3 along roadside boundary. Scruffy.	4.2	20+	B2
T66	Sycamore	16	600e	5 - 5 - 5 - 5	4	4	EM	F	F	Pruned clear of carriageway. Ivy to 12m.	7.2	20+	B2
T67	Sycamore	12	500e	4 - 6 - 5 - 6	1	1	EM	F	F	Pruned clear of carriageway. Ivy to 10m.	6	20+	B2
T68	Hawthorn	7	300e	2 - 2 - 2 - 2	3	3	EM	F	F	Leaning west towards OHL.	3.6	20+	B2
T69	Hawthorn	7	300e	2 - 3 - 3 - 2	4	3	EM	F	F	Pruned clear of carriageway. Close to OHL. Ivy to 5m.	3.6	20+	B2
T70	Sycamore	9	500e	4 - 4 - 4 - 4	2	2	EM	F	F	Pruned clear of carriageway. BT pole at base. 3 stems from 0.5m. Ivy to 4m.	6	20+	B2
G1	Sycamore, Common hawthorn	11	650	7	0.5	0.5	EM	F	F	4 trees, linear group, good screening feature, snapped branches from roadside, canopies look healthy, barbed wire fence on the field side	7.8	20+	B2
G2	Sycamore, Common hawthorn	6	350	3	0	0	SM	F	F	Flailed all around, inaccessible due to dense shrub understorey, snapped branches.	4.2	10+	C2
G3	Sycamore, Ash, Oak, Hawthorn, Elder	11	550		0	0	EM	F	F	Linear group, ivy within the group on most stems, many multi-stem from base, flailed, shrubs beneath, dimensions estimated.	6.6	20+	B2

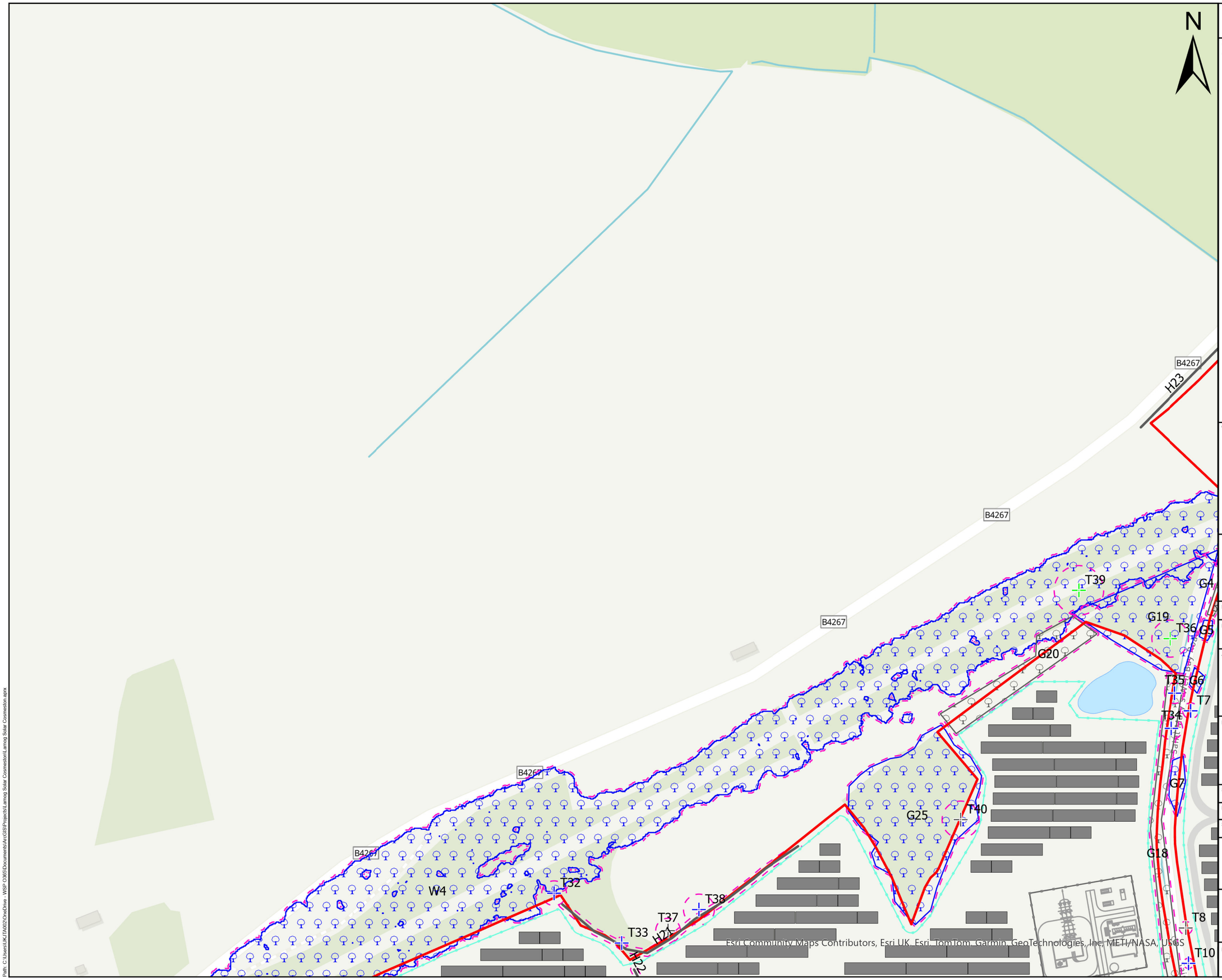
Ref.	Species	Height (m)	Stem Dia. (mm)	Crown Spread N, E, S, W	LCH (m)	LBH (m)	Life Stage	Physiological Condition	Structural Condition	Tree Condition Notes & Observations	RPA Rad. (m)	Estimated Remaining Contribution	BS5837 Category
G4	Hawthorn, Blackthorn	8	200	3	0.5	0.5	SM	F	F	Unmanaged group, snapped branches, minor deadwood (<50 mm), ivy on most stems from base to upper canopy, shrub understorey makes it inaccessible	2.4	10+	C2
G5	Hawthorn	6	250	3	1	1	EM	F	F	3 hawthorns beside field gate.	3	20+	B2
G6	Sycamore	9	400	4	3	3	EM	F	F	2 sycamores, ivy to 50%	4.8	20+	B2
G7	Sycamore	10	290	3	2	2	EM	F	F	4 sycamores with hawthorn on field boundary.	3.5	20+	B2
G8	Hawthorn, Elder	6	200	2	0	0	EM	F	F	Snapped branches, unmanaged, ivy on most stems, gaps within the group, moderate <75mm deadwood	2.4	10+	C2
G9	Field maple, Plum, Sycamore, Hawthorn	14	470	7	0	0	EM	F	F	Screening feature for private residence, field boundary group, crowns healthy, under power lines, some larger more prominent trees within the group, flailed from fieldside , behind barbed wire fence, ivy on some stems from base to mid canopy.	5.6	20+	B2
G10	Sycamore	7	400	2	0	0	EM	F	F	Fungi on stem, previously topped with extensive regrowth, under power lines.	4.8		C2
G11	Sycamore, Oak, Hawthorn	14	500	5	0.5	1	EM	F	F	Sycamore is multi-stem from base, ivy in oak from base to mid canopy, moderate deadwood <150mm for typical 'staghead' oak, canopies look healthy.	6	20+	B2
G12	Goat willow, Hawthorn	6	250	3	1	1	EM	G	F	Scrub group around depression. Low amenity value, but good for biodiversity.	3	10+	C3
G13	Oak	12	680	10	3	2	M	F	F	Linear field boundary group, moderate deadwood <100mm in canopy, some sparse canopies, total 4 trees, open wounds, 2nd tree from N has open wound, likely from leader failure, also has ivy from 0.5 to mid canopy, last tree from N leans to North,	8.2	20+	B2
G14	Hawthorn	7	250	2	0.5	0.5	EM	F	F	Linear unmanaged group, inaccessible	3	10+	C2

Ref.	Species	Height (m)	Stem Dia. (mm)	Crown Spread N, E, S, W	LCH (m)	LBH (m)	Life Stage	Physiological Condition	Structural Condition	Tree Condition Notes & Observations	RPA Rad. (m)	Estimated Remaining Contribution	BS5837 Category
G15	Hawthorn, Sycamore, Ash, Scots pine, Oak, Holly	16	600	10	2	2	M	F	F	Ivy observed on many stems to lower canopy, inaccessible due to shrub understorey, unmanaged, canopies healthy, wildlife corridor, flailed from the fieldside, ivy on the Scots pine to upper canopy.	7.2	20+	B2
G16	Common lime	20	900	7	1	3	EM	F	F	Large limes, widely spaced. Bramble and bracken beneath.	10.8	40+	B3
G17	Holm oak	18	750	8	1	2	EM	G	F	Few Scots pine behind to w	9	40+	B3
G18	Sycamore, Hawthorn, Norway maple	14	350	3	0	0	EM	F	F	Roadside group, road to west, field to east, most trees are multi-stem from base, ivy on most stems from base to upper canopy, moderate deadwood <100mm, snapped branches, shrub understorey, previously flailed from field side, a couple of topped trees, power lines run through the group.	4.2	10+	C2
G19	Scots pine, Sycamore, Hawthorn	26	800	6	0	0	EM	F	F	Flailed from field side, ivy on most stems to mid canopy, Scots pine is the tallest tree, the rest approx 18m, behind barbed wire fence, inaccessible, one dead tree standing, other canopies healthy, unmanaged.	9.6	20+	B2
G20	Hawthorn, Sycamore	9	250	3	0	0	EM	F	F	Field boundary, ivy within, gaps within the group, flailed from fieldside.	3	10+	C2
G21	Hawthorn	8	400	4	1.5	1	M	F	F	In hedgeline, significantly bigger trees compared to the rest of the hedge, crowns healthy, some snapped branches, in total 4 trees in line, inaccessible, ivy on the southern tree from base to upper canopy	4.8	20+	B2
G22	Hawthorn, Blackthorn	8	300	4	0	0	EM	F	F	Field boundary group, deadwood in canopies, Ivy on many stems and in canopies, snapped branches, gaps within the group	3.6	10+	C2
G23	Hawthorn, Wych elm	6	250		1	1	EM	F	F	Outgrown hedgerow, hawthorns and elms, ivy.	3	20+	B3
G24	Goat willow	8	300	5	1	1	EM	F	F	Dense bramble thicket, low visual amenity, but good for biodiversity	3.6	20+	C3
G25	Oak, Ash	20	750	4	1	1	EM	F	F	Large trees grouped around depression, inaccessible, closed canopy, bramble beneath.	9	40+	B2

Ref.	Species	Height (m)	Stem Dia. (mm)	Crown Spread N, E, S, W	LCH (m)	LBH (m)	Life Stage	Physiological Condition	Structural Condition	Tree Condition Notes & Observations	RPA Rad. (m)	Estimated Remaining Contribution	BS5837 Category
G26	Oak, Ash	18	600	4	1	1	EM	F	F	Short strip of large trees parallel to field boundary, hawthorns beneath.	7.2	20+	B2
G27	Oak, Ash	15	700	5	1	1	EM	F	F	Field boundary group.	8.4	20+	B2
G28	Ash	15	700	4	4	3	EM	F	F	Field boundary with caravan park.	8.4	20+	B2
G29	Lawson cypress	17	550	3	1	1	EM	F	F	Field boundary with caravan park. Dense canopies.	6.6	20+	B2
G30	Ash, Holm oak	20	900	5	4	4	EM	G	G	Assessed from distance. Tall trees, locally prominent. Heights >20m, stems >750mm - <1200mm.	10.8	40+	A2
G31	Scots pine, Syacamore, Ash	22	850	5	10	10	EM	F	F	Large Scots pines dominate mixed group between road and field.	10.2	20+	B2
W1	Sycamore, Ash	15	300	5	2	4	EM	F	F	Linear woodland along boundary between development parcels on disused railway alignment.	3.6	40+	B2
W2	Oak, Scots pine	17	750	5	3	4	EM	G	G	5 tall Scots, 5 oaks, with sycamore and hawthorn, prominent locally. Ivy in oaks to 50% crown.	9	40+	A2
W3	Scots pine	20	400	5	5	5	EM	G	F	Pine dominant. Locally prominent. Hawthorn and bramble beneath, some bracken.	4.8	40+	B3
W4	Sycamore, Ash	15	300	5	2	4	EM	G	F	Semi-natural woodland along disused railway. Ash and sycamore, with smaller mixed species understorey.	3.6	40+	B2
W5	Ash, Sycamore, Hawthorn	15	300	5	2	4	EM	G	F	Semi-natural woodland south of site boundary, adjacent to Severn Estuary. Bramble and ivy understorey. One crab apple noted on field boundary.	3.6	40+	B3
H1	Hawthorn, Sycamore	1.5	150e	2	0	0	EM	F	F	Managed hedge, screening feature	1.8	10+	C2
H2	Hawthorn, Blackthorn	3	200e	2	0	0	EM	F	F	Field boundary, ivy within, managed hedge, under power lines	0.2	10+	C2
H3	Hawthorn	2	150e	2	0	0	EM	F	F		1.8	10+	C2
H4	Hawthorn	4	150e	2	0	0	EM	F	F	Field boundary, ivy within	1.8	10+	C2
H5	Hawthorn	0	e		0	0	EM	F	F	Field boundary	0	10+	C2
H6	Blackthorn, Hawthorn	2	150e	2	0	0	EM	F	F	Managed hedge, screening from the road	1.8	10+	C2
H7	Hawthorn, Elder	2	150e	2	0	0	EM	F	F	Field boundary, ivy within, gappy, under power lines	1.8	10+	C2

Ref.	Species	Height (m)	Stem Dia. (mm)	Crown Spread N, E, S, W	LCH (m)	LBH (m)	Life Stage	Physiological Condition	Structural Condition	Tree Condition Notes & Observations	RPA Rad. (m)	Estimated Remaining Contribution	BS5837 Category
H8	Field maple, Blackthorn	2	100e	2	0	0	EM	F	F	Field boundary, ivy within, flailed	1.2	10+	C2
H9	Hawthorn, Blackthorn	4	150e	3	0	0	EM	F	F	Field boundary hedge	1.8	10+	C2
H10	Hawthorn, Blackthorn	4	150e	3	0	0	EM	F	F	Field boundary hedge	1.8	10+	C2
H11	Hawthorn, Blackthorn	4	150e	3	0	0	EM	F	F	Field boundary hedge	1.8	10+	C2
H12	Hawthorn, Blackthorn	4	150e	3	0	0	EM	F	F	Field boundary hedge, sporadic ash maidens.	1.8	10+	C2
H13	Hawthorn, Blackthorn, Wych elm	4	150e	3	0	0	EM	F	F	Field boundary hedge, brambles	1.8	10+	C2
H14	Hawthorn, Blackthorn	4	150e	3	0	0	EM	F	F	Field boundary hedge, brambles, sporadic Goat willow.	1.8	10+	C2
H15	Hawthorn, Blackthorn	4	150e	3	0	0	EM	F	F	Field boundary hedge	1.8	10+	C2
H16	Blackthorn, Hawthorn	4	150e	2	0	0	EM	F	F	Managed hedge, screening from Fort Road, on boundary with private gardens. Gappy in places.	1.8	10+	C2
H17	Hawthorn, Blackthorn	4	150e	3	0	0	EM	F	F	Field boundary hedge	1.8	10+	C2
H18	Hawthorn, Blackthorn	4	150e	3	0	0	EM	F	F	Field boundary hedge	1.8	10+	C2
H19	Hawthorn, Blackthorn	4	150e	3	0	0	EM	F	F	Field boundary hedge, sporadic Wych elm, bramble and bracken.	1.8	10+	C2
H20	Hawthorn, Blackthorn	4	150e	3	0	0	EM	F	F	Field boundary hedge, scrubby, several ivy todds.	1.8	10+	C2
H21	Hawthorn, Blackthorn	4	150e	3	0	0	EM	F	F	Field boundary hedge, occasional oak maidens.	1.8	10+	C2
H22	Hawthorn, Blackthorn	4	150e	3	0	0	EM	F	F	Field boundary hedge	1.8	10+	C2
H20	Sycamore	6	150e	2	0.5	0	EM	F	F	Stretch of field boundary hedge beyond bus stop/lighting column is not flailed.	1.8	20+	C2
H21	Blackthorn	5	120e	2	0.1	0	EM	G	F	Leggy hedge, with viburnum	1.4	20+	C2
H22	Hawthorn	5	250e	2	1	0	EM	P	P	Gappy hedgeline, smothered in ivy.	3	10+	C2

Annex B: Tree Retention Plan



THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED AND ONLY WRITTEN DIMENSIONS SHALL BE USED

Key

- Red Line Boundary
- Indicative RPA
- T - Trees
- BS5837 Category
  - A
  - B
  - C
  - U
- H - Hedges
- BS5837 Category
  - C
- G & W - Groups and Woodlands
- BS5837 Category
  - A
  - B
  - C
- Latest Solar Rack Design
- Access Gates
- Attenuation Pond
- Concept Design BESS - Substation Compund Layout
- Gravel Road
- Proposed Style
- Solar Fencing
- Substation Fencing
- Transformer Station

Copyright

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of His Majesty's Stationary Office.

Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings.

Contains Ordnance Survey data
© Crown copyright and database right 2026

Revision Details	By / Check	Date	Suffix

Drawing Status: FOR INFORMATION

Job Title: Trydan Gwyrdd Cymru

Drawing Title: Larnog Solar Farm
Tree Retention Plan

Page 1 of 4

Scale at A3: 1:2,000

Drawn		
JTA		

Stage 1 check	Stage 2 check	Originated	Date
SB	LP	JTA	30/09/2026

0 25 50 Meters

I Capital Quarter
Tyndall Street
Cardiff
CF10 4BZ

029 2076 9154

Document Number	Rev
28363.7660-WSP-ARB-TRP-001	P01

Path: C:\Users\UKJTA002\OneDrive - WSP O365\Documents\ArcGIS\Projects\Larnog Solar Cosmetics\Larnog Solar Cosmetics.aprx

THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED AND ONLY WRITTEN DIMENSIONS SHALL BE USED

N

Key

- Red Line Boundary
- Indicative RPA
- T - Trees
- BS5837 Category
  - A
  - B
  - C
  - U
- H - Hedges
- BS5837 Category
  - C
- G & W - Groups and Woodlands
- BS5837 Category
  - A
  - B
  - C
- Latest Solar Rack Design
- Access Gates
- Attenuation Pond
- Concept Design BESS - Substation Compund Layout
- Gravel Road
- Proposed Style
- Solar Fencing
- Substation Fencing
- Transformer Station

Copyright

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of His Majesty's Stationary Office.

Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings.

Contains Ordnance Survey data
© Crown copyright and database right 2026

Revision Details	By / Check	Date	Suffix

Drawing Status
FOR INFORMATION

Job Title
Trydan Gwyrdd Cymru

Drawing Title
Larnog Solar Farm
Tree Retention Plan

Page 2 of 4

Scale at A3
1:2,000

Drawn		
JTA		
Stage 1 check	Stage 2 check	Originated	Date
SB	LP	JTA	30/09/2026

0 25 50 Meters

I Capital Quarter
Tyndall Street
Cardiff
CF10 4BZ

029 2076 9154

Document Number	Rev
28363.7660-WSP-ARB-TRP-001	P01

Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, GeoTechnologies, Inc, METI/NASA, USGS

Path: C:\Users\UKJTA002\OneDrive - WSP O365\Documents\ArcGIS\Projects\Larnog Solar Cosmeston\Larnog Solar Cosmeston.aprx

THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED AND ONLY WRITTEN DIMENSIONS SHALL BE USED

N

Key

- Red Line Boundary
- Indicative RPA
- T - Trees
- BS5837 Category
  - A
  - B
  - C
  - U
- H - Hedges
- BS5837 Category
  - C
- G & W - Groups and Woodlands
- BS5837 Category
  - A
  - B
  - C
- Latest Solar Rack Design
- Access Gates
- Attenuation Pond
- Concept Design BESS - Substation Compound Layout
- Gravel Road
- Proposed Style
- Solar Fencing
- Substation Fencing
- Transformer Station

Copyright

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of His Majesty's Stationary Office.

Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings.

Contains Ordnance Survey data
© Crown copyright and database right 2026

Revision Details	By / Check	Date	Suffix

Drawing Status: FOR INFORMATION

Job Title: Trydan Gwyrdd Cymru

Drawing Title: Larnog Solar Farm
Tree Retention Plan

Page 3 of 4

Scale at A3: 1:2,000

Drawn			
JTA			
Stage 1 check: SB	Stage 2 check: LP	Originated: JTA	Date: 30/09/2026

0 25 50 Meters

I Capital Quarter
Tyndall Street
Cardiff
CF10 4BZ

029 2076 9154

Document Number	Rev
28363.7660-WSP-ARB-TRP-001	P01

Path: C:\Users\JKJTA002\OneDrive - WSP O365\Documents\ArcGIS\Projects\Larnog Solar Cosmeston\Larnog Solar Cosmeston.aprx

Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, GeoTechnologies, Inc, METI/NASA, USGS

THIS DRAWING MAY BE USED ONLY FOR THE PURPOSE INTENDED AND ONLY WRITTEN DIMENSIONS SHALL BE USED

N

Key

- Red Line Boundary
- Indicative RPA
- T - Trees
- BS5837 Category
  - A
  - B
  - C
  - U
- H - Hedges
- BS5837 Category
  - C
- G & W - Groups and Woodlands
- BS5837 Category
  - A
  - B
  - C
- Latest Solar Rack Design
- Access Gates
- Attenuation Pond
- Concept Design BESS - Substation Compound Layout
- Gravel Road
- Proposed Style
- Solar Fencing
- Substation Fencing
- Transformer Station

Copyright

This map is reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of His Majesty's Stationary Office.

Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings.

Contains Ordnance Survey data
© Crown copyright and database right 2026

Revision Details	By / Check	Date	Suffix

Drawing Status: FOR INFORMATION

Job Title: Trydan Gwyrdd Cymru

Drawing Title: Larnog Solar Farm
Tree Retention Plan

Page 4 of 4

Scale at A3: 1:2,000

Drawn			
JTA			
Stage 1 check	Stage 2 check	Originated	Date
SB	LP	JTA	30/09/2026

0 25 50 Meters

I Capital Quarter
Tyndall Street
Cardiff
CF10 4BZ

029 2076 9154

Document Number	Rev
28363.7660-WSP-ARB-TRP-001	P01

Esri Community Maps Contributors, Esri UK, Esri, TomTom, Garmin, GeoTechnologies, Inc, METI/NASA, USGS

Path: C:\Users\UKJTA002\OneDrive - WSP O365\Documents\ArcGIS\Projects\Larnog Solar Cosmeston\Larnog Solar Cosmeston.aprx