

**Fanellan Hub 400 kV Substation and
Converter Station
Environmental Impact Assessment Report
Volume 4 | Technical Appendices**

Appendix 15.3 – Tree Survey Schedule

February 2025



CONTENTS

1.	APPENDIX 15.3: TREE SURVEY SCHEDULE	1-1
1.1	Reference Abbreviations	1-1
1.2	Measurements	1-1

1. APPENDIX 15.3: TREE SURVEY SCHEDULE

1.1 Reference Abbreviations

- T – Tree
- G – Group
- H – Hedge
- W – Woodland

1.2 Measurements

- The desk study for the Proposed Development was undertaken in October 2024.
- Height is estimated to provide a relative indication of tree size.
- Stem Diameter are in accordance with BS 5837 paragraph 4.6.1, Annex C.
- Crown spread for individual trees was estimated in the four cardinal points.
- Crown spread for groups is recorded as an average for the group.
- LCH – 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 – lowest branch height. It is the height above ground level of the first branch union with the main stem of the tree.

ASSESSMENTS

- Life stage: Y – Young, SM – Semi-mature, EM – Early Mature, M – Mature, V – Veteran
- Physiological condition: G – Good, F – Fair, P – Poor, D – Dead
- Structural condition: G – Good, F – Fair, P – Poor, U – Unstable
- ERC - Estimated remaining contribution: <10 years, 10+ years, 20+ years or 40+ years.
- BS 5837 Category: A, B, C or U with sub-category recorded as 1, 2 or 3.
- 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. Unless otherwise noted the RPA for groups is based on the equivalent RPA for the largest tree in that group.

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
T1	Goat Willow	10	790	7	6	6	6	1	1	M	F	F	20+	Multi-stemmed from base, combined diameter recorded.	9.5	B2
G2	Sycamore	9	290	3	3	3	3	1	1	SM	F	F	40+	3x trees.	3.5	C2
G3	Silver Birch, Goat Willow, Sessile Oak	7	320	3	3	3	3	1	1	EM	F	F	40+	4x trees.	3.8	C2
G4	Silver Birch, Beech, Goat Willow, Sessile Oak	11	410	4	4	4	4	2	2	EM	F	F	40+	Circa 12x trees. Estimated from a distance due to livestock in field.	4.9	C2
G5	Silver Birch, Leyland Cypress	10	300	3	3	3	3	1	2	SM	F	F	10+	Estimated from a distance due to livestock in field and within residential garden. Circa 5x trees.	3.6	C2
T6	Beech	12	1000	9	9	9	9	2	2	M	F	F	40+	Estimated from a distance due to livestock in field and within residential garden.	12.0	B2
G7	Sessile Oak, Rowan, Ash, Silver Birch, Sycamore	16	960	6	6	6	6	2	2	M	F	F	40+	Circa 40x trees. Pockets of bracken in woodland. Ash have minor symptoms of ash dieback.	11.5	B2
G8	Silver Birch, Goat Willow, Beech, Ash, Elder, Sycamore	13	810	4	4	4	1	1	1	M	F	F	40+	Some open areas in group with dense bracken. Average spacing 3m.	9.7	B1

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
T9	Sessile Oak	14	830	6	6	6	6	2	4	M	F	F	20+	Moderate instances of deadwood to a diameter of approximately 160mm.	10.0	B2
T10	Sessile Oak	14	780	5	5	4	5	4	4	M	P	P	10+	Extensive dieback and signs of a late stage of progressive decline.	9.4	C1
T11	Sessile Oak	16	1200	7	7	7	8	4	4	M	F	F	20+	Bifurcates at base into acute included union.	14.4	B2
G12	Alder, Hazel	11	370	4	4	4	4	1	1	EM	F	F	20+	6x trees. Alders with reduced canopies.	4.4	C2
T13	Goat Willow	5	120	2	2	2	2	1	1	SM	F	F	20+	-	1.4	C2
G14	Sessile Oak, Silver Birch, Alder, Goat Willow, Hazel, Norway Spruce, Beech	17	370	5	5	5	5	2	2	EM	F	F	20+	Deciduous woodland. Dense bracken understory. Approximate spacing 4m.	4.4	B2
G15	Silver Birch, Goat Willow, Norway Spruce	14	660	5	5	5	5	2	1	EM	F	F	20+	Mixed species woodland. Intermittent areas of open space with dense bracken understory. Predominantly semi-mature Birch. Average spacing 5m.	7.9	B2
G16	Silver Birch, Goat Willow, Norway Spruce	13	370	4	4	5	4	2	2	SM	F	F	20+	Mixed species woodland. Predominantly semi-mature birch. Dense woodland. Wind firm. Average spacing 3m.	4.4	B2

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
G17	Silver Birch	15	560	5	5	6	5	2	3	EM	F	F	20+	Approximately 5x trees located close together.	6.7	B2
G18	Norway spruce, Silver Birch	17	720	5	5	5	5	2	1	EM	F	F	10+	Overhead line adjacent to west canopy. 3x trees. Spruce has historically lost leader.	8.6	C2
G19	Silver Birch, Norway Spruce	9	510	2	2	3	3	2	1	EM	P	P	10+	2x trees. Closely spaced with reduced canopies.	6.1	C2
G20	Sessile Oak, Beech	12	970	8	8	8	8	2	2	M	F	F	40+	4x trees. Some exposed and damaged roots from agricultural machinery.	11.6	B2
G21	Silver Birch, Beech, Alder, Goat Willow	17	680	6	5	5	6	1	2	M	F	F	40+	Deciduous woodland. Several areas of dense bracken understory. Canopy clearance pruning along northwest boundary to facilitate clearance from overhead power lines. Approximately 8m spacing.	8.2	B2
G22	Beech, Rowan	15	1100	8	8	9	8	1	1	M	F	F	40+	5x trees, largest recorded.	13.2	B1
G23	Beech, Ash	17	750	6	5	5	5	2	2	M	P	P	<10	Closely spaced pair. Both trees in terminal stage of decline. Recent agricultural ground preparation over rooting area.	9.0	U

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
G24	Sessile Oak, Beech, Silver Birch	18	1110	7	6	6	6	2	3	M	F	F	40+	Closely spaced group. 5x trees. Higher collective value.	13.3	A2
G25	Silver Birch	14	410	4	4	4	4	1	1	M	F	F	40+	Circa 65x trees.	4.9	B2
G26	Silver Birch, Beech, Sessile Oak, Rowan	17	950	7	7	7	7	2	2	M	F	F	40+	Mixed deciduous woodland on a hill. Pockets of bracken. Some standing deadwood. Predominantly early mature with intermittent large mature trees - large trees recorded. Average 5m spacing.	11.4	B2
G27	Silver Birch, Scots Pine, Norway Spruce	15	280	4	4	4	4	2	2	EM	F	F	20+	Wet area in group. Moderate deadwood. Average 4m spacing.	3.4	C2
G28	Scots pine, Norway Spruce	20	410	3	3	3	3	3	3	EM	F	F	40+	Average 3m spacing. On top of hill.	4.9	B2
G29	Wild Cherry, Rowan, Silver Birch, Ash, Beech, Scots pine	12	390	4	4	4	4	1	1	EM	F	F	10+	Partially surrounding residential home.	4.7	C2
T30	Silver Birch	8	460	5	5	5	5	2	1	M	F	F	20+	Minor dieback and reduced canopy.	5.5	C1
T31	Sessile Oak	14	710	7	6	6	6	2.5	3	M	F	F	40+	Sparse lower canopy to the north.	8.5	B2

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
T32	Scots Pine	13	1230	8	9	10	8	4	1	M	F	F	40+	Tri-stem. Moderate deadwood and snapout but otherwise healthy canopy for age.	14.8	A1
T33	Scots Pine	14	860	4	4	7	4	4	1	M	F	F	40+	Moderate deadwood.	10.3	B1
G34	Scots pine, European Larch	16	330	4	4	4	4	4	2	EM	P	F	20+	16x trees. Some standing dead trees. Some snapouts and trees with deadwood.	4.0	C2
G35	Silver Birch, Beech, Sessile Oak	15	380	3	3	3	3	2	2	M	F	F	40+	Average 3m spacing. On and near bottom of sloped valley. Some pockets of bracken.	4.6	B2
G36	Scots Pine	21	450	3	3	3	3	5	5	M	F	F	40+	Coniferous plantation. Average 3m spacing. Estimated from a distance due to lack of safe access.	5.4	B2
G37	Beech, Oak, Sycamore	19	580	4	4	4	4	2	2	M	F	F	40+	Deciduous woodland. On steep valley slope. Estimated from a distance due to restricted safe access. Average 4m spacing.	7.0	A2
G38	Silver Birch	13	370	3	3	3	3	2	2	EM	F	F	40+	Circa 20x trees. Adjacent to open area with dense bracken. Some standing deadwood.	4.4	B2

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
G39	Scots pine, Silver Birch	16	760	5	5	5	5	4	3	M	F	F	40+	Coniferous plantation with sporadic birch. Dense gorse and bracken understory. Average spacing 4m.	9.1	B2
T40	Sessile Oak	19	1300	9	11	10	10	2	4	M	F	F	40+	Estimated from a distance due to livestock in field. Minor dieback but overall healthy canopy.	15.6	A1
T41	Sessile Oak	15	750	4	6	4	5	2	2.5	EM	F	F	40+	Estimated from a distance due to livestock in field.	9.0	B1
T42	Sessile Oak	16	720	6	6	6	6	2	2.5	EM	F	F	20+	Estimated from a distance due to livestock in field. Signs of early progressive decline.	8.6	B1
T43	Sessile Oak	8	340	2	3	2	2	3	3	EM	P	F	<10	Estimated from a distance due to livestock in field. Little remaining canopy. Stones piled up against stem.	4.1	U
T44	Sessile Oak	16	800	7	6	6	7	2	3	M	F	F	20+	Signs of early progressive decline.	9.6	B1
G45	Sessile oak, Rowan, Silver Birch	13	820	7	7	7	7	2	2	M	F	F	40+	11x trees, predominantly mature oak. Gorse undergrowth.	9.8	B2
T46	Sessile Oak	13	640	7	7	5	6	2	3	M	F	F	40+	Stem estimated as within thick area of gorse. Moderate dieback.	7.7	B2

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
T47	Silver Birch	7	90	2	2	2	2	1	1	EM	F	F	40+	-	1.1	C2
G48	Silver Birch, Sessile Oak, Goat Willow	9	570	4	4	4	4	2	2	EM	F	F	10+	Estimated from a distance due to livestock in field. Approximately 15x trees.	6.8	C2
G49	Sessile Oak	10	690	5	6	5	5	2	3	EM	F	F	40+	Estimated from a distance due to livestock in field. 2x trees. Moderate dieback. Trees on slightly raised embankment.	8.3	B2
T50	Sessile Oak	12	1180	6	6	7	6	0	3	M	F	F	40+	Stem estimated as within residential garden. Healthy canopy for age.	14.2	A2
T51	Goat Willow	10	300	4	4	4	4	3	3	SM	F	F	10+	Estimated from a distance due to livestock in field.	3.6	C1
T52	Sessile Oak	16	870	7	8	7	7	2	2	M	F	F	40+	Estimated from a distance due to livestock in field.	10.4	B2
T53	Sessile Oak	13	740	8	8	8	8	2	2	M	F	F	40+	Estimated from a distance due to livestock in field.	8.9	B2
T54	Sessile Oak	14	880	8	8	8	8	2	2	M	F	F	40+	Estimated from a distance due to livestock in field. Multiple areas of damage to stem, partially occluded. Exposed roots and root damage to east. Minor dieback.	10.6	B2

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
T55	Sessile Oak	14	800	6	6	8	6	2.5	3	EM	F	P	20+	Estimated from a distance due to livestock in field. Historic failure of central stem with fractured heart wood retained. Primary limb to south now apical leader.	9.6	B2
T56	Sessile Oak	13	660	5	5	5	5	2.5	3	M	F	F	20+	Signs of a reduction in vitality.	7.9	B2
T57	Sessile Oak	7	580	4	4	5	4	2	3	EM	F	F	20+	Basal bark damage subsequent of animal grazing. Moderate instances of secondary branch failures.	7.0	B2
G58	Sitka Spruce	22	610	5	5	5	5	2	2	M	F	F	40+	Non-uniform age. Sporadic mature trees within dense semi-mature trees. Average spacing 4m. Windfirm.	7.3	B2
G59	European Larch, Sitka Spruce	20	450	2	2	2	2	4	4	EM	F	F	40+	Larch coupe with dense bracken undergrowth. Sporadic self-set spruce undergrowth. Average 4m spacing. On sloped embankment. Track to east. No visible symptoms of <i>phytophthora ramorum</i> . Windfirm.	5.4	B2

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
G60	Sitka Spruce	16	430	4	4	4	4	2	2.5	M	F	F	40+	Dense plantation. Wind firm. Average spacing 2.5m. Windfirm.	5.2	B2
G61	European larch, Scots Pine, Silver Birch, Norway Maple, Sitka Spruce	23	540	5	5	5	5	5	4	EM	F	F	20+	Mixed species and age coupe. Predominantly semi-mature trees towards gap in woodland to south. Wind firm. Intermittent areas of dense bracken understory. Average 4m spacing with open spaces.	6.5	B2
T62	Scots Pine	11	1200	8	8	10	8	2	2	M	F	F	40+	Moderate deadwood. Minor symptoms of <i>dothistroma septosporum</i> .	14.4	A1
T63	Scots Pine	13	530	4	4	4	4	2	1	M	F	F	40+	-	6.4	B1
G64	Sitka Spruce	20	380	3	3	3	3	3	3	M	F	F	40+	Young spruce, gorse and deciduous scrub in open spaces. Some larger trees sporadically spread within group. Average 4.5m spacing. Dense in some areas and more open in others.	4.6	B2
G65	Silver Birch	14	370	4	4	4	4	2	2	EM	F	F	40+	Mostly birch with some sporadic mature pine. Dense bracken undergrowth. Average 3m spacing.	4.4	B2

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
G66	Silver Birch	9	280	4	3	3	3	2	2.5	SM	F	F	10+	Closely spaced group located north-east of boundary fence within field. Circa 25x trees.	3.4	C2
G67	Scots pine, Pinus sylvestris	18	490	3	3	3	3	4	4	M	F	F	40+	Estimated from a distance due to restricted access. Average 4m spacing. Predominantly pine with sporadic spruce.	5.9	B2
T68	Sessile Oak	14	690	5	5	5	5	2	3	M	P	P	<10	Late stage of decline.	8.3	U
G69	Silver Birch, Beech, Sessile Oak	16	720	6	6	6	6	2	2	M	F	F	40+	Circa 40x trees. Surrounded by dry stone wall.	8.6	B2
G70	Sessile Oak	10	410	5	5	5	5	1	1	EM	F	F	40+	2x trees.	4.9	C2
G71	Sessile Oak, Sycamore	12	510	2	2	2	2	2	2	M	F	F	40+	2x trees.	6.1	B2
T72	Sessile Oak	15	720	6	6	7	6	2	3	M	F	F	40+	-	8.6	B2
T73	Silver Birch	10	330	3	3	3	3	2	2.5	SM	F	F	20+	Basal cavity approximately 300mm x 500mm with fruiting bodies of Phaeolus schweinitzii.	4.0	C2
G74	Silver Birch, Ash	7	90	3	3	3	3	1	1	SM	F	F	20+	3x trees. Ash with minor symptoms of ash dieback.	1.1	C2
G75	Sycamore, Wych Elm, Silver Birch, Goat Willow	12	360	4	4	4	4	1	1	EM	F	F	40+	Circa 40x trees.	4.3	C2

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
G76	Sessile Oak, Silver Birch, Beech, Goat Willow	15	720	5	6	6	5	2	2	M	F	F	20+	Closely spaced roadside group. 10x trees.	8.6	B2
G77	Silver Birch, Rowan	11	470	5	5	5	5	1.5	2	M	F	F	40+	Almost entirely populated by birch. Area of heavily waterlogged ground to centre of group. Numerous instances of canopy dieback subsequent of root damage by cattle occupying area and saturated ground. Areas of dense gorse understory. Several veteran trees identified within woodland. Average spacing 3m.	5.6	B1
T78	Rowan	7	780	10	10	1	5	1	0	V	F	F	20+	Veteran tree with veteran characteristics including large girth for species, water pockets, snapouts, deadwood, fungi, lichens.	11.7	A3

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
T79	Silver Birch	4	900	5	5	10	1	0.5	0.5	V	F	P	40+	Veteran tree with veteran characteristics including large girth for species, historic failure at base, regenerative growth to remaining central stem and throughout primary leader fallen to south, fungal fruiting bodies of saprophytic fungus within exposed internal wood.	13.5	A3
T80	Bird Cherry	7	1120	7	10	7	6	1.5	0.5	V	F	F	40+	Veteran tree with veteran characteristics including large girth for species (combined), snap outs, decay cavities and form of growth. Phoenix tree. Historic failure of central leader with remaining branch architecture since established aerial and adventitious rooting throughout. Harp form along eastern extents. Interesting and unusual form. Dbh 220. 14 stems, combined diameter recorded.	16.8	A3
T81	Silver Birch	9	380	3	4	4	3	1.5	2	SM	F	F	20+	Moderate stem lean to north.	4.6	B2
T82	Sessile Oak	10	600	5	5	5	5	2	4	EM	F	F	40+	Moderate instances of deadwood to a diameter of 70mm.	7.2	B2

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
T83	Sessile Oak	14	780	7	7	8	8	2	4	M	F	F	40+	Moderate instances of deadwood to a diameter of 70mm. Previous crown lift pruning to north.	9.4	B2
T84	Sessile Oak	14	720	8	8	8	8	2	4	M	F	F	40+	Minor instances of deadwood to a diameter of 80mm.	8.6	B1
G85	Silver Birch, Sycamore, Goat Willow	6	90	2	2	2	2	1	1	SM	F	F	40+	-	1.1	C2
G86	Silver Birch, Sycamore, Norway Spruce, Ash, Sitka Spruce, Goat Willow, Alder, Wild Cherry, Sessile	7	100	1	1	1	1	1	1	Y	F	F	40+	Average spacing 2m. Predominantly sitka spruce with deciduous species along edges mostly.	1.2	C2
T87	Sessile Oak	15	800	7	6	5	6	1	2.5	M	F	F	40+	Slight stem lean and minor canopy suppression east.	9.6	B2
G88	Sessile Oak	13	820	8	8	5	7	2	3	M	F	F	40+	4x trees. 1x tree of poor quality with little remaining canopy.	9.8	B2
T89	Sessile Oak	16	820	5	8	8	5	2	3	M	F	F	40+	-	9.8	B2
G90	Sessile Oak	15	930	7	7	7	7	2	2	M	F	F	40+	2x trees on embankment above road. Minor dieback. Wire fence attached within one tree.	11.2	B2
T91	Sessile Oak	17	950	8	8	7	8	1	3	M	F	F	40+	-	11.4	B2

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
T92	Sessile Oak	12	970	8	9	9	8	2	2	M	F	F	40+	Minor deadwood. Minor pruning wounds on road side, not occluded.	11.6	B1
T93	Sessile Oak	15	830	7	7	7	6	1	3	M	F	F	40+	-	10.0	B2
G94	Sycamore, Sessile Oak	9	330	4	4	4	4	2	2	SM	F	F	40+	6x trees. Predominantly sycamore. One mature sycamore with poor condition.	4.0	C2
G95	Sycamore, Rowan, Sessile Oak	15	660	5	5	5	5	2	2	EM	F	F	20+	-	7.9	B2
T96	Sessile Oak	16	860	7	9	9	9	2	2	M	F	F	20+	Moderate dieback and small leaves.	10.3	B2
T97	Sycamore	7	220	2	2	2	2	0	0	SM	F	F	40+	-	2.6	C1
G98	Sycamore, Sessile Oak, Goat Willow, Hawthorn	14	820	7	7	7	7	2	2	M	F	F	40+	6x trees.	9.8	B2
T99	Rowan	7	260	2	2	2	2	2.5	2.5	SM	P	P	<10	Late stage decline.	3.1	U
T100	Sycamore	7	270	2	2	2	2	0	0	SM	F	F	40+	-	3.2	C1
T101	Rowan	6	200	2	2	2	2	1	1	SM	F	F	10+	Mulistemmed from base.	2.4	C2
T102	Rowan	6	200	2	2	2	2	1	1	SM	F	F	10+	Mulistemmed from base.	2.4	C2
T103	Hawthorn	5	140	3	3	3	2	0	0	M	F	F	40+	-	1.7	B1
T104	Sycamore	6	90	2	2	2	2	0	0	SM	F	F	40+	-	1.1	C1

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
G105	Sycamore, Silver Birch, Sessile Oak	10	300	5	5	5	5	2	2	SM	F	F	40+	4x trees. Predominantly semi mature trees although one low quality mature oak with significant dieback also.	3.6	C2
T106	Silver Birch	14	620	6	6	6	6	4	3	EM	F	F	20+	Minor instances of deadwood to a diameter of approximately 70mm.	7.4	B2
T107	Sessile Oak	14	610	5	6	6	5	2	3	EM	P	P	<10	Late to terminal stage of decline.	7.3	U
T108	Sessile Oak	15	640	7	7	7	7	5	4	M	F	F	40+	Minor dieback and snap out. Located above road in field.	7.7	B1
T109	Sessile Oak	16	670	7	7	7	7	2	3	M	F	F	40+	Minor dieback and snap out. Located above road in field.	8.0	B1
T110	Beech	15	1600	7	7	7	8	3	3	M	P	P	<10	Late to terminal stage of decline. Multiple leaders from 1.2m (stem diameter taken below primary unions).	19.2	U
G111	Sycamore	10	350	3	3	3	3	1	1	EM	F	F	40+	Located either side of burn. Average spacing 3m.	4.2	B2
G112	Sycamore, Sessile Oak	18	840	6	7	6	6	2	2	M	F	F	20+	Circa 10x trees. Ash trees show moderate symptoms of ash dieback.	10.1	B2

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
G113	Beech, Sessile Oak	18	1560	7	7	8	7	3	3	M	F	F	20+	Several instances of historic primary branch failures.	18.7	B2
G114	Sycamore	6	90	2	2	2	2	1	1	SM	F	F	40+	6x trees.	1.1	C2
G115	Sessile Oak	17	920	9	9	9	9	2	2	M	F	F	40+	3x trees. Minor deadwood and epicormic. On embankment between road and dry stone wall.	11.0	B2
T116	Sessile Oak	16	800	7	7	4	7	2	2	M	F	F	40+	Minor dieback and snap outs.	9.6	B2
T117	Sessile Oak	16	820	8	8	8	8	5	4	M	F	F	40+	Minor dieback.	9.8	B1
T118	Sessile Oak	15	1050	8	8	8	7	5	4	M	F	F	40+	Minor dieback. Located on sloped embankment between road and field. Slight lean east.	12.6	B2
T119	Sessile Oak	14	810	6	6	6	6	2	4	EM	F	F	20+	Signs of early dieback in upper crown.	9.7	B1
T120	Sessile Oak	7	430	5	5	5	3	1	1	SM	F	F	40+	Minor dieback. Partially shaded by adjacent oak.	5.2	C1
T121	Sessile Oak	7	310	3	3	3	3	1	1	SM	F	F	40+	-	3.7	C1
T122	Sessile Oak	13	700	6	5	5	5	2.5	4	EM	F	F	20+	Signs of early dieback in upper crown.	8.4	B1
T123	Sessile Oak	9	440	5	5	5	5	1	1	EM	F	F	40+	Multi-stem, combined diameter recorded.	5.3	C1
T124	Sessile Oak	13	830	6	5	5	5	5	5	M	F	F	10+	Moderate stem lean north.	10.0	C2
T125	Sessile Oak	15	1100	10	10	10	10	2	2	M	F	F	40+	Very minor dieback.	13.2	B1

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
G126	Lime	17	900	7	7	7	4	0	1	M	F	F	40+	3x trees. Within residential property adjacent to dry stone wall. Stem estimated due to restricted access.	10.8	A2
G127	Sitka Spruce	19	750	5	5	5	5	2	2	M	F	F	20+	Closely spaced pair of trees.	9.0	B2
G128	Scots pine, Lawson Cypress, Wild Cherry	10	320	3	3	3	3	1	1	EM	F	F	20+	Circa 10x trees over 75mm diameter.	3.8	C2
G129	Lime	18	880	7	7	7	7	0	1	M	F	F	40+	3x trees. Within residential property. Stem estimated due to restricted access.	10.6	A2
T130	Sessile Oak	8	410	5	5	4	4	2	2	EM	F	F	20+	Previous crown lift pruning to facilitate clearance from road.	4.9	B2
T131	White Willow	8	130	3	3	3	3	0	1	SM	F	F	40+	-	1.6	C1
T132	Wild Cherry	8	340	3	3	3	3	1	1	EM	F	F	10+	-	4.1	C2
G133	Rowan, Wild Cherry, Lawson Cypress	12	350	3	3	3	3	1	1	EM	F	F	20+	14x trees. Landscape screening.	4.2	C2
T134	Sessile Oak	16	810	7	7	6	5	4	5	M	F	F	40+	Bifurcated at 5m. Signs of early decline within Eastern canopy spread.	9.7	B2
T135	Sessile Oak	9	450	6	5	6	5	1	2	EM	F	F	40+	Bifurcated at base.	5.4	B2
T136	Sessile Oak	9	330	5	5	5	5	1	2	EM	F	F	40+	Slight canopy suppression to north-east.	4.0	B2

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
T137	Sessile Oak	16	940	7	9	9	7	4	4	M	F	F	40+	Bifurcates at 4m. Previous crown lift pruning to facilitate clearance over road.	11.3	A2
G138	Leyland Cypress, Lawson Cypress, Wild Cherry, Silver Birch	16	380	4	4	4	4	1	2	SM	F	F	10+	Closely spaced linear group. Predominantly mixed conifer species. Approximately 40 trees.	4.6	C2
G139	Leyland Cypress	5	120	1.5	1.5	1.5	1.5	0.5	0.5	Y	F	F	10+	Closely spaced linear group. Approximately 20 trees.	1.4	C2
T140	Sycamore	10	370	4	4	4	4	1	3	EM	F	F	40+	Minor pruning on road side.	4.4	C2
G141	Goat Willow, Silver Birch	10	760	5	5	6	5	2.5	1	EM	F	F	20+	Close spaced pair. Willow separates into multiple leaders at a height of 1.2m (stem diameter measured below).	9.1	B2
T142	Sessile Oak	13	1000	10	6	11	8	2	2	M	F	F	40+	Minor epicormic on stem and branches.	12.0	B1
T143	Silver Birch	9	300	3	3	3	3	2	1	SM	F	F	10+	Previous crown lift pruning to facilitate clearance from driveway.	3.6	C2

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
G144	Goat Willow, Sessile Oak, Silver Birch	15	930	7	6	6	6	4	2	M	F	F	20+	Moderate spaced linear group. Signs of significant dieback within upper crown of several oaks. 7 trees.	11.2	B2
T145	Sessile Oak	14	920	5	8	5	8	2	3	M	F	F	40+	Moderate dieback. Retrenchment.	11.0	B2
T146	Sessile Oak	16	1000	7	4	7	7	2	2	M	F	F	40+	Estimated due to livestock in field. Large snap out to east.	12.0	B2
T147	Sessile Oak	15	980	7	7	7	7	2	2	M	F	F	40+	Estimated due to livestock in field.	11.8	B1
G148	Sessile Oak	16	950	6	6	6	6	3	4	M	F	F	40+	Estimated from a distance due to livestock in field. 4x trees.	11.4	A2
T149	Sessile Oak	16	850	6	6	6	6	2	3	M	F	F	40+	Estimated from a distance due to livestock in field.	10.2	A2
T150	Rowan	5	250	3	3	1	2	1.5	0.5	SM	P	P	<10	Terminal stage of decline.	3.0	U
T151	Sessile Oak	7	310	3	3	3	3	3	3	SM	P	F	10+	Signs of a moderate stage of progressive decline.	3.7	C2
T152	Sessile Oak	15	1020	8	8	9	9	2	2	M	F	F	40+	On raised embankment above road. Minor dieback.	12.2	B2
G153	Beech, Wild Cherry	9	170	3	3	3	3	1	1	SM	F	F	40+	3x trees.	2.0	C2
G154	Wild Cherry	13	310	3	3	3	3	4	4	EM	F	F	10+	Circa 20x trees.	3.7	C2
G155	Sessile Oak, Wild Cherry	15	490	6	7	6	5	2	2	M	F	F	40+	6x trees. On embankment between road and burn.	5.9	B2

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
G156	Beech, Silver Birch, Sessile Oak, Alder, Sycamore	19	340	4	4	4	4	2	2	EM	F	F	40+	Average spacing 5m. Predominantly birch and beech.	4.1	B2
T157	Elder	5	130	2	2	2	2	1	1	EM	F	F	20+	Multi-stem, combined diameter recorded.	1.6	B1
G158	Silver Birch, Ash, Sycamore, Goat Willow	19	440	5	5	5	5	1	1	M	F	F	20+	Gorse, bracken and rhododendron pockets within group. Ash with minor symptoms of ash dieback.	5.3	B2
T159	Silver Birch	6	320	3	4	4	3	1	1	SM	F	F	10+	Bifurcates at 1.5m.	3.8	C2
G160	Sycamore	8	290	3	3	3	3	1	1	SM	F	F	40+	Circa 15x trees.	3.5	C2
T161	Sycamore	14	660	6	6	6	6	2	2	M	F	F	40+	-	7.9	B1
T162	Ash	7	260	3	3	3	3	1	1	SM	P	F	10+	Moderate symptoms of ash dieback.	3.1	C1
G163	Sycamore, Ash, Wych Elm	10	270	3	3	3	3	1	1	SM	F	F	20+	Various levels of ash dieback.	3.2	C2
G164	Silver Birch, Scots pine	14	340	3	3	3	3	2	2	M	F	F	40+	Young plantation with mature edge trees along field boundary. Mature trees recorded.	4.1	B2

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
G165	Silver Birch, Beech, Sessile Oak	20	1200	8	8	8	8	2	2	M	F	F	40+	Mixed dense mature woodland. Dense bracken around edges. No observed regeneration. Branch and stem failures and standing deadwood. Unmanaged. Average spacing 6m although larger around edges.	14.4	A2
G166	Norway Spruce, Silver Birch, Scots Pine, Ash, Sycamore	23	490	5	5	5	5	2	2	M	F	F	40+	Mixed forest. Predominantly coupes of young spruce and pine with a mature mixed species edge along field boundary. The edge trees are recorded. Average 5m spacing. Windfirm. Open area behind group with mostly self set spruce.	5.9	B2
G167	Beech	18	1100	7	7	7	7	2	2	M	F	F	40+	Circa 15x mature trees. Lapsed hedgerow. Along dry stone wall.	13.2	A2
G168	Silver Birch, Sycamore, Goat Willow, Ash.	16	440	4	4	4	4	2	2	M	F	F	20+	Average 10m spacing between mature trees. Large open areas in group with semi mature willow and birch. Large area of dense rhododendron on east side.	5.3	B2

Ref	Species	Height (m)	Diameter (mm)	N	E	S	W	LCH (m)	LBH (m)	Age	Physiological condition	Structural condition	ERC	Observations	RPA (m)	BS 5837 Category
T169	Beech	17	1280	8	10	8	9	4	4	M	F	F	40+	Historic coppice grown atop dry stone wall. Multiple leaders from base. Previous crown lift pruning over field. Healthy canopy for age.	15.0	A2
G170	Wild Cherry, Goat Willow	7	130	3	3	3	3	1	1	SM	F	F	40+	Circa 10x trees over 75mm diameter. Some undersized stems.	1.6	C2
G171	Silver Birch, Goat Willow	14	310	3	3	3	3	4	4	EM	F	F	40+	Predominantly birch with willow on edges. Average spacing 3m.	3.7	B2
T172	Sessile Oak	14	860	7	6	6	6	2	4	M	F	F	40+	Basal bark damage subsequent of grazing.	10.3	B2
T173	Sessile Oak	14	750	6	6	5	6	2	4	M	P	F	10+	Signs of significant decline.	9.0	C2
T174	Sessile Oak	14	770	6	6	6	6	2	4	M	P	F	10+	Signs of significant decline.	9.2	C2