BS5837:2012 Tree Survey

Tyrer Ecological Consultants Ltd

Client: Tyrer Ecological Consultants
Project: Knolton Farmhouse Cheese, near Wrexham 21/03/2026
Survey Date: 16/03/2026
Surveyor: Carl Riva

Roselands, 3 Cross Grn
Formby, Liverpool
L37 4BH

Tree and Tag No / Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations / Survey Comment	Cat ERC
G001											
A Group - -	16	33	1149 (Eq)	N 22.5 E 3 S 22.5 W 2.5	1 1 1 1	SM	A: 597.2 R: 13.78	Good	C: Fair S: Good B: Good	No action :: No action Group 24 – Semi?mature mixed broadleaf group A mixed group comprising poplar, silver birch, wild cherry, bird cherry, holly, and alder. Crowns are generally low and suppressed due to intra?group competition, with restricted lateral spread and limited vertical development typical of a dense stand. Minor deadwood is present throughout but remains low?level and not currently significant. Overall condition reflects competition for light, resulting in suppressed crown form across much of the group.	C.2 10 to 20 yrs
G002											
A Group - -	15.5	3	300 (Eq)	N 4 E 4 S 6 W 5	2 2 2 2	SM	A: 40.7 R: 3.59	Fair	C: Fair S: Good B: Good	No action :: No action Group of 3 semi mature poplar. Minor deadwood. Suppressed crown and growth.	B.2 20 to 40 yrs
G013											
A Group - -	11	9	600 (Eq)	N 3.5 E 8 S 4 W 8	2 2 2 2	M	A: 162.9 R: 7.2	Fair	C: Fair S: Good B: Good	Fell :: Fell to ground level Group of 8 young to mature leylandi. Wild cherry. Ash & shrubs. Low crown. Limited inspection due to ivy. Minor deadwood.	C.2 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
G022											Estimated Measurements
A Group - -	18	40	2530 (Eq)	N 32 E 8 S 32 W 8	3 3 3 3	M	A: 707 R: 15	Fair	C: Fair S: Good B: Good	No action :: No action A large group of 40+ young to mature Leyland cypress, spruce, ash, and poplar. Crowns are generally low and suppressed, reflecting dense intra?group competition and limited light availability. Minor deadwood is present throughout but remains low?level and not currently significant. Overall crown development is restricted, with several individuals showing suppressed growth typical of a tightly stocked stand.	C.2 10 to 20 yrs
T003											
Apple *Malus Spp.*	3.8	1	300	N 1 E 2 S 2 W 2.5	2.2 1 1.2 1.2	SM	A: 40.7 R: 3.59	Fair	C: Fair S: Fair B: Fair	No action :: No action Branch rip/tearout on main stem. Exposed heartwood. Cross rubbing branches. Minor feafeod.	C.2 10 to 20 yrs
T004											
Hawthorn *Crataegus Spp.*	4.2	9	300 (Eq)	N 4.5 E 4 S 4.5 W 1	0 0 0 0	SM	A: 40.7 R: 3.59	Fair	C: Fair S: Fair B: Good	No action :: No action Low crown. Multiple stems. Included fork and bark. Crown close to structure.	C.2 10 to 20 yrs
T005											
Bird Cherry *Prunus padus*	3	1	125	E 1.3 S 3.5 W 1	0.5 0.5 0.5	Y	A: 7.1 R: 1.5	Fair	C: Fair S: Poor B: Poor	No action :: No action The tree has experienced stem failure at the root plate, resulting in a destabilised base. At present the tree has not corrected itself, with no evidence of a developing swept stem or compensatory growth. The crown remains low and restricted, reflecting reduced vigour and limited structural recovery. Given the extent of root?plate disturbance and the absence of adaptive response, the tree exhibits limited long?term viability.	U.2 <10 yrs
T006											
Bird Cherry *Prunus padus*	4.2	2	141 (Eq)	N 1 E 1.2 S 1.4 W 1	0.5 0.5 0.5 0.5	Y	A: 9 R: 1.69	Fair	C: Fair S: Good B: Good	No action :: No action Previously reduced. Weak branch attachmements. Minor deadwood.	C.3 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
T007											
Bird Cherry *Prunus padus*	3.2	1	150	N 1.3 E 1.42 S 1 W 1	0.5 0.5 0.5 0.5	Y	A: 10.2 R: 1.8	Fair	C: Fair S: Good B: Good	No action :: No action Low crown minor deadwood	**C.3** 10 to 20 yrs
T008											
Bird Cherry *Prunus padus*	2.6	4	45 (Eq)	N 1 E 1 S 1 W 1	0.5 0.5 0.5 0.5	Y	A: 0.9 R: 0.53	Fair	C: Fair S: Good B: Good	No action :: No action Low crown minor deadwood	**C.3** 10 to 20 yrs
T009											
Bird Cherry *Prunus padus*	2.6	2	125 (Eq)	N 2 E 1.2 S 1 W 1	0.5 0.5 0.5 0.5	Y	A: 7.1 R: 1.5	Fair	C: Fair S: Good B: Good	No action :: No action Low crown minor deadwood	**C.3** 10 to 20 yrs
T010											
Wild Cherry *Prunus avium*	5.5	4	526 (Eq)	N 5 E 5 S 5 W 5	2 2 2 2	M	A: 125 R: 6.3	Fair	C: Fair S: Ivy B: Good	Fell :: Fell to ground level Inspection was partially limited due to dense ivy cover, restricting full visibility of the stem and lower crown. Areas of exposed heartwood are present on the stem, associated with bark wounds that are currently producing occluding tissue, indicating an ongoing but incomplete recovery response. Minor deadwood is present within the crown but remains low?level and not currently significant.	**C.2** 10 to 20 yrs
T011											
Apple *Malus Spp.*	4.2	1	375	N 4.2 E 3 S 3 W 3.2	2 2 2 2	M	A: 63.6 R: 4.49	Fair	C: Fair S: Fair B: Good	Fell :: Fell to ground level Minor deadwood. Bark wounds Occluding tissue. Cavity in base of tree.	**C.2** 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
T012											
Unknown - -	4.2	9	135 (Eq)	N 1.5 E 2 S 1.2 W 1	0.6 0.6 0.6 0.6	Y	A: 8.2 R: 1.61	Fair	C: Fair S: Good B: Good	Fell :: Fell to ground level Unknown tree. Multiple stems.	C.2 10 to 20 yrs
T014											
Prunus *Prunus Spp.*	3.5	9	225 (Eq)	N 1.3 E 1.3 S 1.3 W 1.3	1 1 1 1	Y	A: 22.9 R: 2.69	Fair	C: Fair S: Fair B: Good	Fell :: Fell to ground level Multiple stems. Included bark & fork	C.3 10 to 20 yrs
T015											
Bird Cherry *Prunus padus*	6	9	135 (Eq)	N 1.5 E 1 S 2 W 1	1.5 1 1 2	Y	A: 8.2 R: 1.61	Fair	C: Fair S: Fair B: Good	Fell :: Fell to ground level Multiple stems. Included bark & fork	C.3 10 to 20 yrs
T016											
Chinese Privet *Ligustrum Spp.*	3	1	125	N 1.2 E 2 S 1.2 W 2	0 0 0 0	Y	A: 7.1 R: 1.5	Fair	C: Fair S: Fair B: Fair	No action :: No action Unknown privet	C.2 10 to 20 yrs
T017											
Apple *Malus Spp.*	7.5	1	575	N 4.5 E 4.2 S 3.8 W 3.8	1.2 2 1.5 1.5	M	A: 149.6 R: 6.9	Fair	C: Fair S: Fair B: Good	No action :: No action Exposed heartwood on stem. Cross rubbing branches Minor deadwood	C.2 10 to 20 yrs
T018											
Apple *Malus Spp.*	5.5	2	361 (Eq)	N 2.5 E 3.5 S 3.5 W 3	2.5 3.2 3 2.5	M	A: 58.8 R: 4.32	Fair	C: Fair S: Fair B: Good	No action :: No action Cross rubbing branches. Minor deadwood.	C.2 10 to 20 yrs

Age Classifications: N Newly planted; EM Early Mature; Y Young; M Mature; SM Semi-mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Tree and Tag No Species	Hght (m)	Stems No	Stems Ø (mm)	Crown Spread (m)	Crown Clear (m)	Age	RP A (m²) R (m)	Phys Condition	Structural Condition	Preliminary Recommendations Survey Comment	Cat ERC
T019											
Wild Cherry *Prunus avium*	3.8	1	200	N 1 E 2.2 S 1 W 0.8	1 1 1 1	SM	A: 18.1 R: 2.4	Decline	C: Fair S: Poor B: Poor	No action :: No action The stem supports multiple Ganoderma fruiting bodies, indicating significant decay activity within the lower stem and/or root system. The presence of these brackets suggests compromised structural integrity and a reduced capacity for long?term retention. Given the extent of fungal colonisation and the species involved, the tree exhibits limited longevity.	**U.2** <10 yrs
T020											
Walnut *Juglans Spp.*	14.5	1	600	N 9 E 7 S 5 W 8	3.5 2.5 6 6	M	A: 162.9 R: 7.2	Fair	C: Fair S: Good B: Good	Remove :: Major dead wood Majornfeafeoe.	**B.2** 20 to 40 yrs
T021											
Common Hawthorn *Crataegus monogyna*	8.5	1	350	N 3.5 E 2 S 1.8 W 3	3 3 3	SM	A: 55.4 R: 4.19	Fair	C: Fair S: Good B: Good	No action :: No action Suppressed crown. Major deadwood.	**C.2** 10 to 20 yrs

Age Classifications: N Newly planted; Y Young; SM Semi-mature; EM Early Mature; M Mature; OM Over Mature

Condition: C Crown; S Stem; B Basal area

Stems: Ø Diameter; (Eq) Equivalent stem diameter using BS5837:2012 definition

ERC: Estimated Remaining Contributio

Report selection criteria.

Projects.

Knolton Farmhouse Cheese, near Wrexham 21/03/2026

Date Range.

Any Date

Work types.

----> Fell :: Fell to ground level
----> No action :: No action
----> Remove :: Major dead wood

Latest Survey.

All surveys for the selected trees.
---> Last survey for each selected tree.

Work Completed.

---> Work Completed
---> Work Not Completed

Number of trees in selected Project(s)	**22**
Number of trees in Report selection	**22**

Age Classifications:	N	Newly planted	EM	Early Mature	**Condition:**	C	Crown	**Stems:**	Ø	Diameter
	Y	Young	M	Mature		S	Stem		(Eq)	Equivalent stem diameter using BS5837:2012 definition
	SM	Semi-mature	OM	Over Mature		B	Basal area	**ERC:**		Estimated Remaining Contributio