

Tree Survey

At

Former Swelco Factory, Heol-Y-Gors, Cwmgors, Ammanford

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23rd May, 2024

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Brief

I have been instructed by Mr. Gareth Hawke of Bluefield Land Ltd. to carry out a survey on trees at Former Swelco Factory, Heol-Y-Gors, Cwmgors, Ammanford.

Scope of Report

This Tree Survey has been undertaken within the recommendations of British Standards 5837:2012 and current good arboricultural practice.

The survey entailed a visual inspection from ground level of all trees.

Each tree has been numbered and, where instructed, have been tagged using small durable metal or plastic tags.

Due to variations of existing ground levels through the site, height dimensions are estimated and are given in metres.

Trunk/stem diameters are measured at 1.5 metres above ground level, or immediately above the root flare for multi-stemmed trees.

Estimated branch spread is taken in metres from the centre of the trunk, at the four cardinal points of a compass, to achieve an accurate representation of crown shape.

An assessment of a tree's age classification is made in terms of its maturity within the site's landscape.

An assessment of a tree's physiological condition is made as good, fair, poor, dead.

Data on the structural condition of the tree has been entered, e.g., collapsing, leaning and the presence of any decay or physical defect has been noted.

Preliminary management recommendations include further investigation of suspected defects that require more detailed assessment or potential for wildlife habitat.

An assessment of a tree's future life expectancy is made as <10, 10-20, 20-40 or >40 etc.

Table 1 – Cascade chart for tree quality assessment

Category and definition	Criteria (including subcategories where app	propriate)	
Category U Those 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	 Trees that have a sis expected due to of other U category shelter cannot be not the trees infected with trees nearby, or ve 	erious, irremediable, structural de collapse, including those that will ly trees (i.e. where, for whatever re nitigated by pruning) dor are showing signs of significan a pathogens of significance to the hy low quality trees suppressing ac ve existing or potential conservation.	fect, such that their early loss become unviable after removal ason, the loss of companion t, immediate, and irreversible health and/or safety of other liacent trees of better quality	
	1 Mainly Arboricultural	2 Mainly landscape values	3 Mainly cultural values,	
Category A Those of high quality with an estimated remaining life expectancy of at least 40 years	values Trees that are particularly good examples of their species, especially if rare or unusual, or essential components of groups, or of formal or semi-formal arboricultural features (e.g. the dominant and/or principal trees within an avenue)	Trees, groups or woodlands of particular visual importance as Arboricultural and/or landscape features	including conservation Trees, groups or woodlands of significant conservation; historical, commemorative or other value (e.g. veteran trees or wood-pasture)	BRITISH STANDA
Category B Those of moderate quality with an estimated remaining life expectancy of at least 20 years	Trees that might be included in category A, but are downgraded because of impaired condition (e.g. presence of significant though remediable defects, including unsympathetic past management and storm damage), such that they are unlikely to be suitable for retention for beyond 40 years; or trees lacking the special quality necessary to merit the category A designation	Trees present in numbers, usually growing as groups or woodlands, such that they attract a higher collective rating than they might as individuals; or trees occurring as collectives but situated so as to make little visual contribution to the wider locality	Trees with material conservation or other cultural benefits	BRITISH STANDARD BS 5837:2012
Category C Those of low quality with an estimated remaining life expectancy of at least 10 years, or young trees with a stem diameter below 150mm	Unremarkable trees of very limited merit or such impaired condition that they do not qualify in higher categories	Trees present in groups or woodlands, but without this conferring on them significantly greater collective landscape value, and/or trees offering low or only temporary/transient landscape benefits	Trees with no material conservation or other cultural value	

Tree No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)		Branch	Spread(m)		Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
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G1	Group of: Goat Willow (Salix caprea)	3	Single	0.1	1	1	1	1	1	Young	Fair to poor	Scrubby specimens that have historically been lopped at 1m promoting bushy regrowth.	Monitor for safety.	10-20	С
G2	Group of: Hawthorn (Crataegus monogyna), Holly (Ilex aquifolium), Dogwood (Cornus sanquinea)	3	Single and Multi	0.1	1	1	1	1	0	Middle aged	Fair	Short section of dense boundary hedgerow.	No action required at this time.	20-40	С
G3	Group of: Hawthorn (Crataegus monogyna), Hazel (Corylus avellana), Guelder Rose (Viburnum opulus), Elder (Sambucus nigra), Privet (Ligustrum spp.)	Up to 5	Single and Multi	0.1	1	1	1	1	0	Middle aged	Fair	Scrubby specimen forming short section of overgrown hedgerow.	No action required at this time.	20-40	С
T4	Hazel (Corylus avellana)	3	Multi	0.15	1	1	1	1	0	Middle aged	Fair to poor	Dense, multi-stemmed shrub exhibiting evidence of historical mechanical damage which has led to development of some internal decay at base.	Monitor for stability.	20-40	С

Tree No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)		Branch	Spread(m)		Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
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T5	Horse Chestnut (Aesculus hippocastanum)	6	Single	0.12	1	1	1	1	2	Young	Fair	Tree of variable form which appears to have been historically lopped leading to development of bushy growth in upper crown. Dense vegetation at base prevents full inspection.	Monitor for stability.	10-20	С
G6	Group of: Goat Willow (Salix caprea), Hawthorn (Crataegus monogyna)	Up to 10	Multi	0.25 (avg.)	1	2	1	1	1	Middle aged	Fair to poor	Boundary trees of variable form that have suffered significant historical mechanical damage in mid crown which is likely to lead to structural failure in the future.	Monitor for stability.	10-20	С
G7	Group of: Hazel (Corylus avellana), Hawthorn (Crataegus monogyna)	Up to 9	Multi	0.35 (avg.)	2	2	1	2	0	Middle aged	Fair to poor	Small copse area containing trees and shrubs exhibiting historical mechanical damage. Some dieback within crowns.	Monitor for health.	10-20	С
G8	Group of: Goat Willow (Salix caprea)	10	Multi	0.3	2	4	5	5	0	Middle aged	Fair to poor	Small wooded area containing trees of variable form. Evidence of thinning of foliage within crowns.	Monitor for health.	10-20	С
Т9	Beech (Fagus sylvatica)	19	Multi	0.9	9	9	7	11	2	Mature	Fair	Boundary tree of reasonable form and vigour.	No action required at this time.	>40	В
G10	Group of: Holly (Ilex aquifolium), Hawthorn (Crataegus monogyna), Hazel (Corylus avellana), Wild Privet (Ligustrum vulgare)	8	Single and Multi	0.15	1	1	1	1	0	Middle aged	Fair	Scrubby specimens forming small copse area.	No action required at this time.	10-20	С

Tree No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)		Branch	<u>N</u>		Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
T11	Goat Willow (Salix caprea)	12	Multi	0.75	N 8	9	5	W 7	0	Mature	Fair to poor	Multi-stemmed specimen of variable form exhibiting significant mechanical damage on southern side of crown which is likely to lead to development of internal decay.	Monitor for stability.	10-20	С
G12	Group of: Hazel (Corylus avellana), Goat Willow (Salix caprea), Birch (Betula pendula), Hawthorn (Crataegus monogyna)	Up to 9	Single and Multi	0.1	1	1	1	1	0	Young	Fair to poor	Scrubby specimens forming narrow linear feature adjacent to boundary fence. Evidence of some historical mechanical damage on southeastern side of crowns.	Monitor for safety.	10-20	С
T13	Goat Willow (Salix caprea)	3	Multi	0.4	1	1	1	1	0	Middle aged	Poor	Scrubby specimen that has suffered massive mechanical damage leading to development of basal decay.	Remove.	<10	U
G14	Group of: Birch (Betula pendula), Goat Willow (Salix caprea), Oak (Quercus robur)	10	Single and Multi	0.15	2	2	2	2	2	Middle aged	Fair to poor	Linear boundary feature dominated by specimens of Birch exhibiting thinning of foliage throughout crowns.	Monitor for health.	10-20	С
T15	Scots Pine (Pinus sylvestris)	15	Single	0.38	3	4	4	3	3	Middle aged	Fair	Prominent boundary tree of reasonable form and vigour.	No action required at this time.	>40	В

Tree No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)		Branch	Spread(m)		Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
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G16	Group of: Alder (Alnus glutinosa), Goat Willow (Salix caprea), Birch (Betula pendula)	14	Single and Multi	0.25 (avg.)	2	3	3	3	1	Middle aged	Fair to poor	Linear feature containing trees exhibiting some thinning of foliage within crowns.	Monitor for health.	10-20	С
G17	Group of: Goat Willow (Salix caprea), Hazel (Corylus avellana), Birch (Betula pendula)	3	Multi	0.1	1	1	1	1	0	Young	Fair to poor	Scrubby specimens forming short section of gappy hedgerow. All specimens exhibit historical mechanical damage.	Monitor for health.	10-20	С
G18	Group of: Alder (Alnus glutinosa), Birch (Betula pendula), Hazel (Corylus avellana), Goat Willow (Salix caprea)	11	Single and Multi	0.25 (avg.)	3	3	3	4	2	Middle aged	Fair	Linear boundary feature containing trees of generally variable form exhibiting some historical mechanical damage in lower crowns.	Prune to remove damaged stubs in lower crowns. Monitor for health.	20-40	С
T19	Birch (Betula pendula)	13	Multi	0.35	5	4	5	4	2	Middle aged	Fair	Twin-stemmed specimen of reasonable form exhibiting significant mechanical damage on southern stem.	Prune damaged stubs in lower crown.	20-40	В

Tree No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)		Branch	Spread(m)		Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
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G20	Group of: Birch (Betula pendula), Goat Willow (Salix caprea)	13	Single and Multi	0.15 (avg.)	2	2	2	2	1	Middle aged	Fair to poor	Linear boundary feature containing trees of generally variable form exhibiting historical mechanical damage on eastern side of lower crown. Some evidence of thinning of foliage within crowns of Birch.	Prune to remove damaged stubs in lower crowns. Monitor for health.	10-20	С
T21	Apple (Malus spp.)	4	Multi	0.25	2	2	3	2	0	Middle aged	Fair to poor	Fruit tree of variable form exhibiting accumulated deadwood in lower crown. Evidence of thinning of foliage.	Prune to remove deadwood.	10-20	С
G22	Group of: Birch (Betula pendula), Goat Willow (Salix caprea)	14	Single and Multi	0.35 (avg.)	3	5	3	4	0	Middle aged	Fair	Linear boundary feature dominated by multi-stemmed specimens of Goat Willow. Some stems leaning excessively to the east.	Remove excessively leaning stems. Monitor for stability.	10-20	С
T23	Goat Willow (Salix caprea)	9	Multi	0.4	5	4	5	1	0	Middle aged	Poor	Multi-stemmed specimen exhibiting significant historical pruning damage close to base which has led to development of internal decay.	Remove.	<10	U

Tree No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)		Branch	Spread(m)		Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
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G24	Group of: Goat Willow (Salix caprea), Birch (Betula pendula), Oak (Quercus robur), Hazel (Corylus avellana), Hawthorn (Crataegus monogyna), Alder (Alnus glutinosa)	12	Single and Multi	0.25 (avg.)	3	3	3	3	2	Middle aged	Fair	Linear boundary feature dominated by specimens of Birch.	No action required at this time.	20-40	В
T25	Alder (Alnus glutinosa)	13	Multi	0.5	4	4	/g.) 4	5	2	Middle aged	Fair	Prominent boundary tree of reasonable form and vigour.	No action required at this time.	20-40	В
G26	Group of: Alder (Alnus glutinosa), Birch (Betula pendula)	11	Single and Multi	0.2 (avg.)	2	2 (av	2 /g.)	2	1	Young / Middle aged	Fair to poor	Linear boundary feature containing trees exhibiting significant thinning of foliage throughout crowns.	Monitor for health.	10-20	С
G27	Group of: Alder (Alnus glutinosa), Birch (Betula pendula), Hawthorn (Crataegus monogyna), Sycamore (Acer pseudoplatanus)	12	Single and Multi	0.15 (avg.)	2	(av	2 /g.)	2	2	Young / Middle aged	Fair to poor	Linear boundary feature containing trees exhibiting significant thinning of foliage within crowns.	Monitor for health.	10-20	С

Tree No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)		Branch	Spread(m)		Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
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G28	Group of: Goat Willow (Salix caprea)	8	Multi	0.35	10	5	8	10	0	Mature	Poor	These specimens have collapsed.	Remove.	<10	U
G29	Group of: Goat Willow (Salix caprea)	9	Multi	0.45	10	8	9	9	0	Mature	Poor	These specimens are partially collapsed. Remaining stems are at risk of imminent failure.	Remove.	<10	U
T30	Ash (Fraxinus excelsior)	14	Single	0.48	6	7	5	5	3	Middle aged	Poor	Prominent specimen exhibiting advanced symptoms of Ash Dieback Disease.	Remove.	<10	U
G31	Group of: Goat Willow (Salix caprea), Birch (Betula pendula) Hazel (Corylus avellana), Hawthorn (Crataegus monogyna)	10 (avg.)	Single and Multi	0.35 (avg.)	6	(av	6 /g.)	6	0	Middle aged	Fair	Wooded area dominated by Goat Willow, a species that is vulnerable to structural failure as it matures.	Monitor for stability.	10-20	С
T32	Ash (Fraxinus excelsior)	14	Single	0.38	3	3	3	5	3	Middle aged	Poor	Prominent woodland specimen exhibiting advanced symptoms of Ash Dieback Disease.	Remove.	<10	U
G33	Group of: Alder (Alnus glutinosa), Goat Willow (Salix caprea), Elder (Sambucus nigra)	11	Single and Multi	0.15 (avg.)	1	1 (av	1 /g.)	1	1	Young	Fair to poor	Small wooded area dominated by Alders exhibiting thinning and dieback of foliage within crowns.	Monitor for health.	10-20	С
T34	Goat Willow (Salix caprea)	9	Multi	0.6	9	8	5	1	0	Middle aged	Poor	This specimen has collapsed.	Remove.	<10	U

Tree No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)		Branch	Spread(m)		Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
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T35	Ash (Fraxinus excelsior)	5	Multi	0.35	2	2	2	2	1	Middle aged	Poor	Boundary tree severely infected with Ash Dieback Disease.	Remove.	<10	U
T36	Goat Willow (Salix caprea)	4	Multi	0.1	1	1	1	1	0	Young	Fair	Scrubby specimen of variable form.	No action required at this time.	10-20	С
G37	Group of: Alder (Alnus glutinosa), Goat Willow (Salix caprea), Apple (Malus spp.), Hazel (Corylus avellana), Hawthorn (Crataegus monogyna)	10	Single and Multi	0.15 (avg.)	2	(av	2 /g.)	2	1	Middle aged	Fair	Scrubby specimens forming section of dense woodland.	No action required at this time.	10-20	С
T38	Ash (Fraxinus excelsior)	9	Multi	0.25	2	2	1	1	1	Middle aged	Poor	Woodland edge tree severely infected with Ash Dieback Disease.	Remove.	<10	U
G39	Group of: Goat Willow (Salix caprea), Holly (Ilex aquifolium), Hazel (Corylus avellana), Rowan (Sorbus aucuparia)	Up to 12	Single and Multi	0.3 (avg.)	6	6 (av	6 /g.)	6	0	Middle aged	Fair	Linear woodland area dominated by specimens of Goat Willow, some of which are partially collapsed or leaning excessively.	Remove collapsed and excessively leaning stems of Goat Willow. Monitor remaining trees for stability.	10-20	С
G40	Group of 3: Goat Willow (Salix caprea)	13	Single and Multi	0.4 (avg.)	7	7	7	7	1	Middle aged / Mature	Fair	Trees of variable form that are vulnerable to structural failure as they mature.	Undertake 3-4m overall crown reduction. Monitor for stability.	10-20	С

Tree No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)		Branch	<u>N</u>		Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
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G41	Group of: Privet (Ligustrum spp.), Hazel (Corylus avellana), Hawthorn (Crataegus monogyna)	3	Multi	0.1	1	1	1	1	0	Middle aged	Fair	Scrubby specimens forming short section of boundary hedgerow.	No action required at this time.	10-20	С
G42	Group of: Goat Willow (Salix caprea), Hazel (Corylus avellana)	10	Multi	0.4 (avg.)	6	(ay	6 /g.)	6	0	Middle aged / Mature	Fair to poor	Scrubby specimens forming linear woodland area. Edge trees of western side of group exhibit historical mechanical damage to lower crowns. Some specimens lean excessively to the west.	Remove unstable specimens of Goat Willow. Monitor for safety.	10-20	С
T43	Ash (Fraxinus excelsior)	10	Single	0.26	2	2	2	2	3	Middle aged	Poor	Prominent woodland specimen exhibiting advanced symptoms of Ash Dieback Disease. This specimen is in a moribund condition.	Remove.	<10	U
G44	Group of: Goat Willow (Salix caprea), Rowan (Sorbus aucuparia), Hazel (Corylus avellana), Hawthorn (Crataegus monogyna), Holly (Ilex aquifolium)	7	Single and Multi	0.2 (avg.)	2	(av	2 /g.)	2	0	Middle aged	Fair to poor	Scrubby specimens forming small copse area. Some trees exhibit significant dieback and decay within crowns.	Remove dead, dying and dangerous specimens.	10-20	С

Tree No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)		Branch	Spread(m)		Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
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G45	Group of: Goat Willow (Salix caprea), Holly (Ilex aquifolium), Pine (Pinus spp.), Hazel (Corylus avellana), Hawthorn (Crataegus monogyna)	11	Single and Multi	0.3 (avg.)	5	(a)	5 / 5 / Vg.)	5	0	Middle aged	Fair to poor	Linear woodland area sited on steep bank and dominated by potentially unstable specimens of Goat Willow. Evidence of significant mechanical damage to western edge specimens of Goat Willow. Goat Willows on western edge of group are potentially unstable.	Coppice Goat Willows on western edge of group.	10-20	С
T46	Goat Willow (Salix caprea)	13	Multi	0.9	10	9	9	9	1	Mature	Poor	Prominent specimen sited on steep embankment. Evidence of severe dieback throughout crown indicating that this specimen is unsafe for retention.	Remove.	<10	U
T47	Goat Willow (Salix caprea)	11	Multi	0.45	6	4	1	2	0	Middle aged	Poor	This specimen has partially collapsed.	Remove.	<10	U
G48	Group of: Hazel (Corylus avellana), Goat Willow (Salix caprea)	2	Single and Multi	0.15 (avg.)	1	1	1	1	0	Young	Fair to poor	Coppice regrowth from cut stumps which exhibit internal decay.	Monitor for stability.	10-20	С
T49	Oak (Quercus robur)	12	Multi	0.55	5	5	6	6	3	Mature	Fair	Prominent woodland edge tree of reasonable form and good vigour. Some historical mechanical damage in lower crown.	Prune to remove damaged stubs.	>40	В
T50	Oak (Quercus robur)	15	Single	0.38	4	6	5	8	6	Mature	Good	Prominent woodland tree that has been historically pruned on northern side of crown in relation to overhead electricity cables.	No action required at this time.	>40	В

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G51	Group of: Oak (Quercus robur), Birch (Betula pendula), Hawthorn (Crataegus monogyna), Goat Willow (Salix caprea), Hazel (Corylus avellana)	14	Single and Multi	0.35 (avg.)	5	(av	5 vg.)	5	2	Middle aged	Fair	Small woodland area dominated by reasonable quality specimens of Birch. Some trees exhibit historical mechanical damage in lower crowns.	Prune to remove damaged stubs.	20-40	В
G52	Group of: Goat Willow (Salix caprea), Hazel (Corylus avellana)	7	Multi	0.3 (avg.)	4	4	4 4 vg.)	4	0	Middle aged	Fair to poor	Scrubby specimens sited adjacent to watercourse. Goat Willow exhibits some internal decay relating to historical mechanical damage.	Monitor for stability.	10-20	С
T53	Oak (Quercus robur)	12	Single	0.66	7	6	7	5	4	Mature	Fair	Tree of reasonable form and vigour.	No action required at this time.	>40	В
G54	Group of: Hazel (Corylus avellana)	6	Multi	0.2	3	3	3	3	0	Middle aged	Fair	Scrubby specimens exhibiting historical mechanical damage in lower crown.	Prune to remove damaged stubs.	20-40	С
T55	Goat Willow (Salix caprea)	10	Single	0.26	3	2	2	1	2	Middle aged	Poor	Boundary tree that has suffered significant mechanical damage in lower crown leading to development of internal decay.	Remove.	<10	U
G56	Group of: Birch (Betula pendula), Willow (Salix spp.)	9	Multi	0.25	2	2	4	3	1	Middle aged	Fair to poor	Boundary trees of variable form exhibiting some thinning of foliage.	Monitor for health.	10-20	С

Tree No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)	Branch Spread(m)		Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category		
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G57	Group of: Goat Willow (Salix caprea), Hazel (Corylus avellana), Hawthorn (Crataegus monogyna)	10	Single and Multi	0.35 (avg.)	3	(av	3 /g.)	3	0	Middle aged	Fair	Linear boundary feature containing trees and shrubs of generally reasonable form and vigour.	No action required at this time.	20-40	В
G58	Group of: Goat Willow (Salix caprea), Hazel (Corylus avellana)	4	Multi	0.15	1	1	1	1	0	Middle aged	Fair	Scrubby specimens of variable form.	No action required at this time.	20-40	С