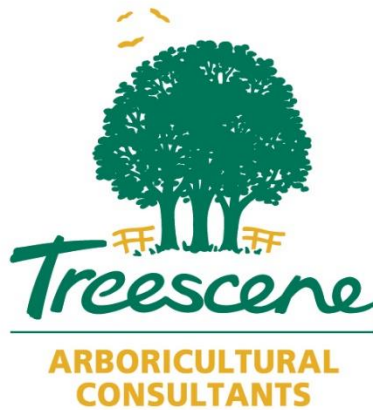




Tree Survey

At

**Caewern House,
Neath**

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Brief

I have been instructed by Mr. Jon Wilks of Amity Planning to carry out a survey on trees at Caewern House, Neath.

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 appropriate)		
<u>Category U</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 serious, irremediable, structural defect, such that their early loss is expected due to collapse, including those that will become unviable after removal of other U category trees (i.e. where, for whatever reason, the loss of companion shelter cannot be mitigated by pruning) - Trees that are dead or are showing signs of significant, immediate, and irreversible overall decline - Trees infected with pathogens of significance to the health and/or safety of other trees nearby, or very low quality trees suppressing adjacent trees of better quality NOTE Category U trees can have existing or potential conservation value which it might be desirable to preserve; see 4.5.7		
	1 Mainly Arboricultural values	2 Mainly landscape values	3 Mainly cultural values, including conservation
<u>Category A</u> Those of high quality with an estimated remaining life expectancy of at least 40 years	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	Trees, groups or woodlands of significant conservation; historical, commemorative or other value (e.g. veteran trees or wood-pasture)
<u>Category B</u> 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
<u>Category C</u> 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

BRITISH STANDARD BS 5837:2012

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
					N	E	S	W							
T1	Scots Pine (<i>Pinus sylvestris</i>)	16	Single	0.57	5	8	9	9	2	Mature	Fair	Tree of good form leaning slightly to the south. Some deadwood within crown.	Prune to remove unstable deadwood of diameter >50mm.	>40	B
T2	Norway Spruce (<i>Picea abies</i>)	25	Single	0.59	5	6	6	5	5	Mature	Fair	Tree of good form with well-balanced crown. Some deadwood in lower crown.	Prune to remove unstable deadwood of diameter >50mm.	20-40	B
T3	Lawson Cypress (<i>Chamaecyparis lawsoniana</i>)	21	Multi	0.6	4	4	2	4	2	Mature	Fair	Twin-stemmed specimen of reasonable form with evidence of potentially weak forks at base and in mid crown. Evidence of thinning of foliage throughout crown.	Monitor for strength of forks and health.	10-20	C
T4	Smooth Arizona Cypress (<i>Cupressus arizonica</i>)	26	Single	0.99	3	9	10	10	3	Mature	Fair	Tree of reasonable form with crown more heavily developed on southern side. Southernmost specimen of a pair of Conifers that create a uniform crown. Extensive deadwood on eastern side of lower crown.	Monitor for safety.	20-40	B
T5	Smooth Arizona Cypress (<i>Cupressus arizonica</i>)	25	Single	0.89	5	5	3	7	3	Mature	Fair	Tree of reasonable form. Northernmost specimen of a pair of Conifers that create a uniform crown.	Monitor for safety.	20-40	B
T6	Dead												Remove.		U
T7	Lawson Cypress (<i>Chamaecyparis lawsoniana</i>)	17	Multi	0.4	1	1	3	1	2	Middle aged	Poor	Multi stemmed specimen with potentially weak basal fork as well as weak forks on main stem at 3.5m. Extensive dieback and deadwood throughout crown. This specimen is unsuitable for long-term retention.	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
					N	E	S	W							
T8	Sycamore (<i>Acer pseudoplatanus</i>)	17	Single	0.33	3	3	4	3	5	Middle aged	Fair to poor	Tree of variable form. Main stem divides at 4.5m with evidence of inclusion and possible decay within this fork in lower crown.	Monitor strength of lower fork.	10-20	C
T9	Sycamore (<i>Acer pseudoplatanus</i>)	12	Single	0.33	3	3	4	3	2	Middle aged	Fair to poor	Heavily ivy-clad specimen from ground level to upper crown which prevents full inspection. Evidence of low vigour. A middle aged Goat Willow sited to the southern side of this specimen has collapsed against boundary wall.	Sever ivy at base. Remove collapsed Willow.	10-20	C
T10	Monterey Pine (<i>Pinus radiata</i>)	20	Single	0.44	4	2	3	5	7	Mature	Fair	Tree of reasonable form.	No action required at this time.	>40	B
T11	Goat Willow (<i>Salix caprea</i>)	18	Multi	0.6	9	3	8	8	4	Mature	Poor	Tree of poor form with extensive basal decay. This specimen is at risk of total failure.	Remove.	<10	U
T12	Oak (<i>Quercus robur</i>)	11	Single	0.3	5	1	0	6	5	Middle aged	Poor	Tree of poor form and declining vigour that has been significantly damaged by historical removal of southernmost stem and lower branches. This specimen is unsafe for retention.	Remove.	<10	U
G13	Group of 2: Holly (<i>Ilex aquifolium</i>)	8	Single and multi	0.3	1	2	1	2	1	Middle aged	Fair to poor	Boundary trees of variable form that were previously suppressed by dead and dying Elm trees.	Monitor for safety.	10-20	C
G14	Group of: Sycamore (<i>Acer pseudoplatanus</i>), Holly (<i>Ilex aquifolium</i>)	13	Single and multi	0.3 (avg.)	5	5	5	5	2	Middle aged	Fair to poor	Trees of generally variable form creating a small copse. Evidence of some squirrel damage within Sycamores.	Monitor for safety.	10-20	C

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
					N	E	S	W							
T15	Lawson Cypress (<i>Chamaecyparis lawsoniana</i>)	21	Multi	0.95	3	4	4	5	1	Mature	Fair	Multi stemmed specimen of variable form with lower forks that may become a point of weakness over time.	Monitor strength of forks within crown.	10-20	C
T16	Oak (<i>Quercus robur</i>)	17	Single	0.45	8	7	2	7	1	Middle aged	Fair	Tree of slightly variable form with crown more heavily developed on northern side. Main stem leans slightly to the north.	Monitor for stability.	20-40	B
T17	Scots Pine (<i>Pinus sylvestris</i>)	17	Multi	0.7	6	7	8	3	3	Mature	Fair to poor	Twin-stemmed specimen of variable form with evidence of thinning and dieback of foliage throughout crown. Main stem and crown heavily colonised by ivy thus preventing full inspection.	Sever ivy at base. Prune to remove unstable deadwood of diameter >50mm. Monitor for health.	10-20	C
T18	Goat Willow (<i>Salix caprea</i>)	12	Multi	0.45	8	3	3	4	2	Middle aged	Poor	Twin-stemmed specimen of poor form that is liable to stem collapse.	Remove.	<10	U
T19	Highclere Holly (<i>Ilex altaclerensis</i>)	14	Multi	0.4	3	3	2	2	3	Middle aged	Fair	Multi-stemmed specimen of variable form.	Monitor for stability.	10-20	C
T20	Hazel (<i>Corylus avellana</i>)	9	Multi	0.35	3	3	3	2	2	Middle aged	Fair	Multi-stemmed coppice specimen of variable form.	No action required at this time.	20-40	C
T21	Sycamore (<i>Acer pseudoplatanus</i>)	16	Multi	0.55	7	7	7	6	2	Middle aged	Fair	Boundary tree of reasonable form.	No action required at this time.	20-40	C
T22	Magnolia (<i>Magnolia</i> spp.)	6	Multi	0.4	2	6	3	2	0	Mature	Fair to poor	Ornamental specimen that has suffered some poor quality pruning damage in the past. A tree of variable form.	Monitor for stability.	10-20	C
T23	Sawara Cypress (<i>Chamaecyparis pisifera</i>)	4	Multi	0.35	2	2	2	2	0	Mature	Poor	Ornamental specimen that is partially 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
					N	E	S	W							
T24	Hawthorn (<i>Crataegus monogyna</i>)	4	Multi	0.35	0	0	0	7	0	Middle aged	Poor	This specimen is collapsed.	Remove.	<10	U
T25	Hawthorn (<i>Crataegus monogyna</i>)	5	Multi	0.25	1	2	1	2	2	Middle aged	Fair to poor	Tree of poor form and low vigour.	Sever ivy at base. Prune to remove major deadwood.	10-20	C
T26	Sycamore (<i>Acer pseudoplatanus</i>)	12	Single	0.36	2	5	6	3	4	Middle aged	Fair to poor	Tree of variable form with evidence of mild basal decay on northeastern side of main stem. Crown heavily colonised by ivy thus preventing full inspection.	Sever ivy at base. Monitor for stability.	10-20	C
T27	Hazel (<i>Corylus avellana</i>)	8	Multi	0.45	7	4	5	9	1	Mature	Fair	Multi-stemmed coppice specimen with some stems leaning excessively.	Prune to remove excessively leaning stems.	20-40	C
T28	Sycamore (<i>Acer pseudoplatanus</i>)	8	Single	0.19	0	2	3	0	2	Young	Poor	Tree of poor form heavily suppressed with evidence of severe squirrel damage in upper crown.	Remove.	<10	U
G29	Group of 2: Lawson Cypress (<i>Chamaecyparis lawsoniana</i>)	20	Multi	0.8	4	4	4	4	3	Mature	Fair	Two trees creating uniform crown. Lower forks may become a point of weakness over time.	Monitor for stability.	10-20	C
T30	Hazel (<i>Corylus avellana</i>)	7	Multi	0.3	3	2	1	3	1	Middle aged	Fair	Multi-stemmed coppice specimen.	No action required at this time.	20-40	C
T31	Sycamore (<i>Acer pseudoplatanus</i>)	17	Single	0.46	6	5	3	6	3	Middle aged	Fair	Boundary tree of reasonable upright form.	Sever ivy at base. Monitor for health.	20-40	B
T32	Sycamore (<i>Acer pseudoplatanus</i>)	17	Multi	0.45	3	3	3	4	2	Middle aged	Fair	Twin-stemmed specimen of upright habit. Main stem and crown heavily colonised by ivy thus preventing full inspection.	Sever ivy at base.	20-40	B

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
					N	E	S	W							
T33	Sycamore (<i>Acer pseudoplatanus</i>)	18	Multi	0.6	8	6	8	8	3	Middle aged	Fair to poor	Triple-stemmed specimen of variable form that indicates signs of basal decay associated with integration of chain link fence.	Undertake 4m overall crown reduction. Monitor strength of basal fork.	10-20	C
T34	Rhododendron (<i>Rhododendron</i> spp.)	4	Single	0.16	1	1	4	1	0	Middle aged	Fair to poor	Tree of variable form.	No action required at this time.	10-20	C
G35	Group of 2: Hawthorn (<i>Crataegus monogyna</i>)	5	Multi	0.2	2	1	1	1	2	Middle aged	Fair to poor	Trees of variable form, heavily suppressed.	No action required at this time.	10-20	C
G36	Group of 2: Sycamore (<i>Acer pseudoplatanus</i>)	18	Single	0.45 (avg.)	5	6	7	4	3	Middle aged	Fair	Boundary trees of reasonable form. Main stem and crown heavily colonised by ivy thus preventing full inspection.	Sever ivy at base. Prune to remove major deadwood. Monitor for safety.	20-40	B
T37	Sycamore (<i>Acer pseudoplatanus</i>)	13	Single	0.5 (est.)	7	3	4	4	3	Mature	Fair to poor	Tree obscured by vegetation and boundary wall. Main stem and crown heavily colonised by ivy thus preventing full inspection. Stem may be in conflict with wall structure.	Sever ivy at base. Monitor for health.	10-20	C
G38	Group of: Elm (<i>Ulmus</i> spp.)	11	Single and multi	0.15	4	4	4	4	1	Young	Poor	Self-sown specimens that are dead or dying from Dutch Elm Disease.	Remove.	<10	U
T39	Apple (<i>Malus</i> spp.)	6	Single	0.15	1	2	2	1	3	Middle aged	Fair	Fruit tree of reasonable form.	No action required at this time.	10-20	C

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
					N	E	S	W							
G40	Group of: Sycamore (<i>Acer pseudoplatanus</i>), Holly (<i>Ilex aquifolium</i>)	11	Single and multi	0.4 (avg.)	3	3	3	3	2	Middle aged	Poor	All specimens have been heavily reduced at approximately 6-7m leading to commencement of significant decay within all major limbs. These specimens are now unsuitable for long-term retention and should be removed and new planting with a suitable boundary species considered.	Remove.	<10	U
T41	Holly (<i>Ilex aquifolium</i>)	14	Multi	0.4	3	3	4	3	1	Middle aged	Fair	Multi-stemmed specimen of reasonable form, the crown of which is in conflict with the roof of the adjacent structure.	Prune to provide 1m clearance from building.	20-40	C
T42	Goat Willow (<i>Salix caprea</i>)	12	Multi	0.4	4	7	6	5	3	Middle aged	Poor	Twin-stemmed specimen with weak basal fork that is at risk of failure.	Remove.	<10	U
T43	Sawara Cypress (<i>Chamaecyparis pisifera</i>)	5	Single	0.15	0	1	2	1	2	Young	Poor	Tree of poor form leaning against adjacent building.	Remove.	<10	U
G44	Group of 2: Lawson Cypress (<i>Chamaecyparis lawsoniana</i>)	12	Single	0.3	2	2	2	2	2	Middle aged	Fair	Trees of variable form.	No action required at this time.	10-20	C
T45	Dead												Remove.		U
T46	Sycamore (<i>Acer pseudoplatanus</i>)	18	Single	0.71	6	6	8	8	2	Mature	Fair to poor	Tree of reasonable form. This specimen has suffered poor quality pruning in the past which may have led to commencement of some internal decay within main stem and major limbs. Evidence of slight thinning and yellowing of foliage.	Prune to remove unstable deadwood of diameter >50mm. Monitor for health.	10-20	C

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
					N	E	S	W							
T47	Beech (<i>Fagus sylvatica</i>)	11	Single	0.26	3	5	5	3	2	Young	Fair	Tree of variable form heavily suppressed by adjacent Sycamore.	No action required at this time.	10-20	C
T48	Sycamore (<i>Acer pseudoplatanus</i>)	20	Single	0.86	8	8	9	9	4	Mature	Good	Boundary tree of reasonable form. Some deadwood within crown. Some old pruning wounds on main stem may have led to commencement of some internal decay within main stem and major limbs.	Prune to remove unstable deadwood of diameter >50mm. Monitor for health.	>40	B
G49	Group of: Sycamore (<i>Acer pseudoplatanus</i>)	13	Single	0.25 (est.)	3	3	3	3	3	Middle aged	Fair	Self-sown specimens heavily colonised by ivy thus preventing full inspection. Dense undergrowth prevents full inspection.	Monitor for stability.	10-20	C
G50	Group of: Highclere Holly (<i>Ilex altaclerensis</i>), Portuguese Laurel (<i>Prunus lusitanica</i>)	16	Single and multi	0.3	4	4	4	4	1	Middle aged	Fair	Group of evergreen trees and shrubs forming small copse.	Monitor for stability.	20-40	C
T51	Hawthorn (<i>Crataegus monogyna</i>)	10	Multi	0.2	1	2	3	2	2	Middle aged	Fair to poor	Tree of variable form heavily suppressed by adjacent specimens.	No action required at this time.	10-20	C
T52	Sycamore (<i>Acer pseudoplatanus</i>)	16	Single	0.46	7	5	5	5	4	Mature	Poor	Tree of variable form with massive cavity on north-western side of main stem. This specimen is vulnerable to total failure.	Remove.	<10	U
T53	Rowan (<i>Sorbus aucuparia</i>)	10	Single	0.33	2	2	2	2	2	Middle aged	Good	Tree of good form with upright habit.	No action required at this time.	20-40	B