

## **Tree Survey**

### At

# Sandy Bay, Porthcawl

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22<sup>nd</sup> September, 2025

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#### Brief

I have been instructed by Mr. Liam Hopkins of The Urbanists to carry out a survey on trees at Sandy Bay, Porthcawl.

#### **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	oronriate)	
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 s is expected due to of other U category shelter cannot be r Trees that are dead overall decline Trees infected with trees nearby, or ve	erious, irremediable, structural de collapse, including those that will ly trees (i.e. where, for whatever re mitigated by pruning) dor are showing signs of significan pathogens of significance to the hiry low quality trees suppressing active existing or potential conservations.	fect, such that their early loss become unviable after removal cason, the loss of companion t, immediate, and irreversible nealth and/or safety of other diacent 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
					N	E	S	W	H						
T1	Monterey Cypress (Cupressus macrocarpa)	13	Multi	0.7	7	7	7	7	1	Middle aged	Fair	Prominent specimen of reasonable form and vigour.	No action required at this time.	20-40	В
G2	Group of: Privet (Ligustrum spp.), Sycamore (Acer pseudoplatanus), Ornamental shrubs	3	Multi	0.1	1	1	1	1	0	Middle aged	Fair	Evergreen boundary hedge.	No action required at this time.	20-40	С
Т3	Sycamore (Acer pseudoplatanus)	11	Single	0.35 (est.)	7	6	5	3	3	Middle aged	Fair	Specimen located within school playground thus preventing full inspection and accurate measurement. Prominent specimen of reasonable form and vigour.	No action required at this time.	20-40	В
G4	Group of 2: Sycamore (Acer pseudoplatanus)	11	Single	0.3 (avg.)	5	5	4	4	2	Middle aged	Fair	Trees located within school playground thus preventing full inspection and accurate measurement. Two specimens creating a single crown unit.	No action required at this time.	20-40	В
G5	Group of 3: Sycamore (Acer pseudoplatanus)	10	Single and Multi	0.4 (avg.)	3	3	5	3	2	Middle aged	Fair to poor	Trees located within school playground thus preventing full inspection and accurate measurement. Linear feature containing trees exhibiting thinning and dieback within crowns. Trees of declining vigour.	Monitor for health.	10-20	С
Т6	Ash (Fraxinus excelsior)	5	Multi	0.35	3	3	3	3	0	Middle aged	Poor	Multi-stemmed specimen exhibiting symptoms of Ash Dieback Disease.	Remove.	<10	U

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				<b>3</b> 1	N	E	S	W	Ħ			S			
G7	Group of: Hybrid Black Poplar (Populus × canadensis), Copper Beech (Fagus sylvatica 'Purpurea'), Horse Chestnut (Aesculus hippocastanum), Corsican Pine (Pinus nigra subsp. maritima), Leyland Cypress (Cupressocyparis leylandii)	Up to 18	Single and Multi	0.4 (avg.)	6	(av	/g.)	6	2	Middle aged / Mature	Fair	Trees forming small wooded area on northern boundary of site. This group is dominated by specimens of Hybrid Black Poplar that are vulnerable to structural failure as they mature.	Monitor for safety.	10-20	С
G8	Group of: Sycamore (Acer pseudoplatanus), Hawthorn (Crataegus monogyna), Horse Chestnut (Aesculus hippocastanum)	Up to 6	Single and Multi	0.15 (avg.)	2	(av	2 /g.)	2	0	Young	Fair	Generally scrubby specimens forming small linear feature containing naturally regenerated trees.	No action required at this time.	20-40	С
G9	Group of 3: Ash (Fraxinus excelsior)	6	Single and Multi	0.2	2	2	2	2	0	Young	Poor	Scrubby specimens exhibiting early-stage symptoms of Ash Dieback Disease.	Remove.	<10	U
T10	Sycamore (Acer pseudoplatanus)	10	Multi	0.7	6	7	6	5	0	Middle aged	Fair	Prominent multi-stemmed specimen of reasonable form and vigour.	No action required at this time.	20-40	В
G11	Group of 2: Sycamore (Acer pseudoplatanus)	10	Multi	0.5	6	6	5	4	0	Middle aged	Fair	Two trees forming a single crown unit.	No action required at this time.	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
				<b>9</b> 2	N	E	S	W	H			St	<u> </u>		
T12	Hybrid Black Poplar (Populus × canadensis)	18	Multi	0.8	7	8	6	5	0	Mature	Fair	Prominent and isolated specimen of reasonable form and vigour.  Main stem colonised by ivy thus preventing full inspection. This species is generally short lived and vulnerable to structural failure as it matures.	Monitor for stability.	10-20	С
T13	Hybrid Black Poplar (Populus × canadensis)	9	Multi	0.25	2	2	2	2	0	Young	Fair	Naturally regenerated specimen of variable form exhibiting potentially weak basal forks that are vulnerable to structural failure as this specimen matures.	Monitor for stability.	10-20	С
G14	Group of: Sycamore (Acer pseudoplatanus), Elder (Sambucus nigra)	10	Single and Multi	0.25 (avg.)	3	3	3	3	0	Middle aged	Fair	Generally scrubby specimens forming small copse area. Most trees exhibit included basal forks that are vulnerable to structural failure as the trees mature.	Monitor for stability.	10-20	С
T15	Hawthorn (Crataegus monogyna)	6	Multi	0.35	3	3	3	3	1	Middle aged	Fair	Scrubby specimen of variable form and declining vigour.	Monitor for health.	10-20	С
G16	Group of: Hazel (Corylus avellana)	4	Multi	0.15	1	1	1	1	0	Middle aged	Fair to poor	Scrubby specimens forming small clump containing trees exhibiting dieback of foliage, possibly associated with salt laden winds.	Monitor for health.	10-20	С
T17	Hawthorn (Crataegus monogyna)	3	Multi	0.25	1	1	2	1	0	Middle aged	Fair to poor	Scrubby specimen with squat habit. Crown heavily colonised by creepers that have led to diminished vigour.	Monitor for health.	10-20	С
T18	Lawson Cypress (Chamaecyparis lawsoniana)	12	Multi	0.6	7	7	6	5	0	Middle aged	Fair	Prominent and isolated specimen exhibiting included forks in lower crown that are vulnerable to structural failure as this tree matures.	Monitor for stability.	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
				<b>9</b> 1	N	E	S	W	H			St	H		
G19	Group of: Sycamore (Acer pseudoplatanus), Corsican Pine (Pinus nigra subsp. maritima), Crab Apple (Malus sylvestris), Ash (Fraxinus excelsior)	Up to 17	Single and Multi	0.35 (avg.)	4	(av	4 4 7 g.)	4	2	Middle aged	Fair	Small clump of trees of reasonable form and vigour creating minor copse area. Ash exhibits early-stage symptoms of Ash Dieback Disease.	Remove infected Ash tree.	20-40	В
T20	Monterey Cypress (Cupressus macrocarpa)	5	Multi	0.25	3	3	3	3	0	Young	Fair to poor	Tree of variable form exhibiting some mechanical damage on lower main stem and included basal fork.	Monitor for stability.	10-20	С
G21	Group of: Corsican Pine (Pinus nigra subsp. maritima), Monterey Cypress (Cupressus macrocarpa), Sycamore (Acer pseudoplatanus), Ash (Fraxinus excelsior), False Acacia (Robinia pseudoacacia), Monterey Cypress (Cupressus macrocarpa)	Up to 20	Single and Multi	0.4 (avg.)	5	(av	5 /g.)	5	2	Mature / Middle aged	Fair	Trees forming woodland area which is denser on eastern side of the wood. Western side contains extensive open areas. Trees of generally reasonable form and vigour but some specimens exhibit significant dieback throughout crowns.	Remove dead, dying and dangerous specimens within falling distance of targets.	>40	В
T22	Monterey Cypress (Cupressus macrocarpa)	18	Multi	0.8	8	8	7	8	4	Mature	Fair to poor	Prominent woodland edge tree exhibiting significant thinning and dieback within crown.	Monitor for health.	10-20	С

Tree No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)		Branch	S		Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
T23	Monterey Cypress (Cupressus macrocarpa)	19	Single	1.0 (est.)	N 11	11	S 11	10	3	Mature	Fair	Prominent woodland edge tree of reasonable form and vigour that has suffered poor quality pruning in lower crown in the past. Dense vegetation at base prevents full inspection.	No action required at this time.	20-40	В
G24	Group of: Lawson Cypress (Chamaecyparis lawsoniana)	12	Single	0.25	4	4	5	3	2	Middle aged	Fair to poor	Overgrown hedgerow that was historically lopped at 2m which has led to development of multistemmed dysfunctional growth in mid crowns.	Monitor for stability.	10-20	С
G25	Group of: Corsican Pine (Pinus nigra subsp. maritima), Hybrid Black Poplar (Populus × canadensis), Crack Willow (Salix fragilis), Hawthorn (Crataegus monogyna)	5	Single and Multi	0.1	1	1	1	1	0	Young	Fair	Naturally regenerated specimens creating small copse area. Poplars and Crack Willow are unsuitable for long-term retention.	Monitor Poplars and Willow for stability.	>40	С
T26	Elder (Sambucus nigra)	3	Multi	0.25	1	2	1	1	0	Middle aged	Poor	Scrubby specimens exhibiting severe dieback throughout crown.	Remove.	<10	U
G27	Group of: Sycamore (Acer pseudoplatanus), Apple (Malus spp.)	16	Single and Multi	0.35 (avg.)	5	5 (av	5 /g.)	5	2	Middle aged	Fair	Tree group forming a single crown unit. Trees of generally reasonable form and vigour.	No action required at this time.	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
					N	E	S	W							
T28	Sycamore (Acer pseudoplatanus)	9	Single	0.29	3	3	2	2	2	Middle aged	Fair to poor	Naturally regenerated specimen established immediately adjacent to buildings. This specimen is not suitable for long term retention in this location.	Monitor development of stem in relation to adjacent structure.	10-20	С
T29	Sycamore (Acer pseudoplatanus)	5	Multi	0.15	1	1	1	1	0	Young	Fair to poor	Multi-stemmed coppice regrowth exhibiting dieback within crown.	No action required at this time.	10-20	С
G30	Group of: Sycamore (Acer pseudoplatanus), Ash (Fraxinus excelsior), Hazel (Corylus avellana)	4	Single and Multi	0.1 (avg.)	1	(av	1 (g.)	1	0	Young	Fair to poor	Linear feature established on steep embankment. Ash exhibit symptoms of Ash Dieback Disease.	Remove infected Ash trees.	10-20	С
G31	Group of: Sycamore (Acer pseudoplatanus)	9	Multi	0.35	3	3	3	2	1	Middle aged	Fair to poor	Scrubby naturally regenerated specimens of variable form exhibiting some thinning of foliage in outer crown.	Monitor for health.	10-20	С
T32	Sycamore (Acer pseudoplatanus)	7	Multi	0.2	2	2	3	2	0	Young	Poor	Naturally regenerated specimen exhibiting significant mechanical damage at base.	Remove.	<10	U
Т33	Sycamore (Acer pseudoplatanus)	9	Multi	0.25	3	2	2	3	0	Middle aged	Poor	Naturally regenerated specimen exhibiting included basal forks that are vulnerable to structural failure.	Remove.	<10	U
T34	Sycamore (Acer pseudoplatanus)	7	Single	0.21	5	3	2	2	2	Middle aged	Fair to poor	Naturally regenerated specimen of variable form whose lateral branches are in direct conflict with adjacent structures. This specimen is unsuitable for long term retention in this location.	Prune to provide 1.5m clearance between branches and adjacent structures.	10-20	С

Tree No.	Species	Height(m)	Single/Multi Stemmed	Stem Diameter(m)		Branch	Spread(m)	I	Height of Crown(m)	Age	Physiological Condition	Structural Condition	Prel. Man. Recommendations	Est. Remaining Contribution	Category
					N	E	S	W	=						
G35	Group of 3: Sycamore (Acer pseudoplatanus)	9	Single	0.35 (avg.)	4	6	4	2	1	Middle aged	Fair to poor	Boundary trees of variable form with crowns more heavily developed on eastern side due to prevailing winds. Dense vegetation at bases prevents full inspection. Main stems heavily colonised by ivy thus preventing full inspection.	Monitor for health.	10-20	С
T36	Sycamore (Acer pseudoplatanus)	10	Single	0.29	4	4	3	5	3	Middle aged	Fair	Prominent and isolated specimen of reasonable form and vigour.  Main stem colonised by ivy thus preventing full inspection.	No action required at this time.	20-40	В
T37	Hybrid Black Poplar (Populus × canadensis)	10	Multi	0.2	2	2	2	2	1	Young	Poor	Naturally regenerated specimen exhibiting severely included basal fork that is vulnerable to structural failure.	Remove.	<10	U
G38	Group of: Sycamore (Acer pseudoplatanus), Corsican Pine (Pinus nigra subsp. maritima), Hybrid Black Poplar (Populus × canadensis)	Up to 22	Single and Multi	0.4 (avg.)	5	(av	5 /g.)	5	2	Mature / Middle aged	Fair	Linear feature sited on boundary of park. Trees generally of reasonable form and vigour, although some specimens exhibit thinning and dieback of foliage within crowns. Poplar has suffered some branch failure and further structural failure is likely in the future.	Remove any failed and hung up branches. Monitor for safety.	20-40	В
T39	Corsican Pine (Pinus nigra subsp. maritima)	21	Single	0.5	5	7	6	7	3	Mature	Poor	Prominent specimen exhibiting total defoliation throughout crown. This tree is in a moribund condition and represents a potential hazard in relation to adjacent structures.	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	H			S			
G40	Group of: Sycamore (Acer pseudoplatanus), Corsican Pine (Pinus nigra subsp. maritima)	Up to 20	Single and Multi	0.35 (avg.)	4	(av	4 vg.)	4	2	Middle aged	Fair	Robust linear feature sited on boundary of park. Line contains selected specimens that are dead or dying.	Remove dead or dying trees.	20-40	В
G41	Group of: Sycamore (Acer pseudoplatanus), Corsican Pine (Pinus nigra subsp. maritima)	Up to 12	Single and Multi	0.2 (avg.)	3	3	3 3 yg.)	3	2	Middle aged	Fair	Linear feature dominated by specimens of Sycamore. Trees of generally reasonable form and vigour.	No action required at this time.	20-40	В
T42	Monterey Cypress (Cupressus macrocarpa)	17	Single	0.96	6	10	10	10	3	Mature	Fair	Prominent specimen of reasonable form and vigour. Some minor storm damage in lower crown.	Prune to remove storm damaged branches.	20-40	В
G43	Group of 2: Monterey Cypress (Cupressus macrocarpa)	16	Single	0.4	8	2	1	3	3	Middle aged	Fair to poor	Heavily suppressed specimens of variable form and declining vigour.	Monitor for health.	10-20	С
T44	Highclere Holly (Ilex × altaclerensis)	8	Single	0.28	5	5	2	1	3	Middle aged	Fair	Heavily suppressed specimen with crown developed on northeastern side.	No action required at this time.	10-20	С
T45	Copper Beech (Fagus sylvatica 'Purpurea')	15	Single	0.74	8	7	7	5	2	Mature	Good	Prominent specimen of good form and vigour.	No action required at this time.	>40	A
T46	Sycamore (Acer pseudoplatanus)	14	Single	0.38	6	5	6	5	3	Middle aged	Fair	Boundary tree of reasonable form and vigour. Some evidence of squirrel damage in mid crown.	Monitor for safety.	20-40	В
T47	Highclere Holly ( <i>Ilex</i> × <i>altaclerensis</i> )	8	Single	0.22	2	3	3	2	3	Middle aged	Fair	Heavily suppressed specimen of reasonable form and vigour.	No action required at this time.	10-20	С
T48	London Plane (Platanus × hispanica)	11	Single	0.59	6	8	6	6	2	Mature	Fair	Previously pollarded specimen of reasonable form and vigour.	No action required at this time.	20-40	В

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					N	E	S	W	H				, ,		
T49	Holly ( <i>Ilex aquifolium</i> )	2	Single	0.1	1	1	1	1	1	Young	Fair to poor	Heavily suppressed specimen of variable form and vigour.	No action required at this time.	10-20	С
T50	Sycamore (Acer pseudoplatanus)	10	Single	0.38	5	5	5	5	3	Middle aged	Fair	Prominent and isolated specimen of good form and vigour.	No action required at this time.	>40	В
T51	Copper Beech (Fagus sylvatica 'Purpurea')	11	Single	0.66	7	9	7	4	2	Mature	Fair	Tree of squat habit and average vigour.	No action required at this time.	20-40	В
T52	Sycamore (Acer pseudoplatanus)	11	Single	0.43	5	5	6	4	2	Middle aged	Fair	Boundary tree of reasonable form and vigour.	No action required at this time.	>40	В
T53	Sycamore (Acer pseudoplatanus)	11	Single	0.41	5	6	5	4	2	Middle aged	Fair	Boundary tree of reasonable form. Main stem colonised by ivy thus preventing full inspection.	No action required at this time.	20-40	В
T54	Corsican Pine (Pinus nigra subsp. maritima)	15	Single	0.56	7	8	3	5	3	Mature	Fair to poor	Prominent and isolated specimen exhibiting significant thinning of foliage throughout crown. Main stem colonised by ivy thus preventing full inspection. Some storm damaged branches within crown.	Prune to remove storm damaged branches. Monitor for health.	10-20	С
T55	Corsican Pine (Pinus nigra subsp. maritima)	12	Single	0.48	5	6	5	5	4	Mature	Fair	Prominent and isolated specimen of squat habit. Main stem and mid crown colonised by ivy thus preventing full inspection. Some deadwood within crown.	Prune to remove unstable deadwood of diameter >50mm.	20-40	В
G56	Group of: Corsican Pine (Pinus nigra subsp. maritima)	5	Single	0.1	1	1	1	1	1	Young	Fair	Newly planted trees as part of landscape scheme on commercial premises.	No action required at this time.	>40	С

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G57	Group of: White Poplar (Populus alba), Crack Willow (Salix fragilis), Ash (Fraxinus excelsior)	Up to	Single and Multi	0.15 (avg.)	2	2 (av	S 2	2	0	Young / Middle aged	Fair to poor	Trees established on roundabout. Ash exhibits early-stage symptoms of Ash Dieback Disease. Willows and Poplars are vulnerable to structural failure as they mature.	Remove diseased Ash trees. Monitor remaining trees for stability.	10-20	С
T58	Dead														U
T59	Lawson Cypress (Chamaecyparis lawsoniana)	10	Single	0.41	5	4	5	4	1	Middle aged	Fair to poor	Tree of variable form exhibiting significant thinning of foliage throughout crown.	Monitor for health.	10-20	С