

BS5837:2012 Tree Schedule

Client Name: Renkap

Site: Garages Adj to 1 Bluebell Close, London, SE26 6SN

Ref No: 250403 2034 TS V1

Consultant: B. Bristow

Survey Date: March 2025



Measurements		Age Class		Physiological Condition		Structural Condition	
Height	All tree heights have been assessed using a clinometer. Tree heights are given in metres.	Young	Establishing, good vigour, fast growth rates and strong apical dominance; < 1/3rd estimated life expectancy.	Good	Generally in good health typical of the species.	Good	Few minor risk features of little overall significance.
Stem Dia.	Diameter in millimetres (mm) in accordance with BS5837:2012 paragraph 4.6.1, Annex C.	Semi-Mature	Established specimen approaching 1/3 life expectancy.	Fair	Reasonable health with few risk features.	Fair	A significant risk feature or several small risk features.
Crown spread	Given as an average diameter or measured using a distometer. North (N), east (E), south (S) and west (W) provided.	Early-Mature	1/3 – 2/3 life expectancy, vigorous growth rate and increasing in height.	Poor	Trees that exhibit significant risk features which are irremediable or moribund tree.	Poor	Major risk feature present or many small risk features.
Crown Height	Height of ground clearance is given in metres. Estimate of the height of the first branch above ground level.	Mature	Over 2/3 life expectancy. Generally good vigour and achieving full height potential with crown still spreading.	Dead	Tree has died.	Collapsing	Feature has uprooted or the whole tree, or part of the tree has collapsed.
Species name	The tree species have been recorded with both common and scientific names.	Over-Mature	Declining or moribund trees of low vigour.	Abbreviations and Notes est - Estimated stem diameter av - Average stem diameter for multiple stems upto - Maximum stem diameter of a group erc - Estimated remaining contribution			
Tag no.	Where present, any metal tags attached to trees have been recorded.	Veteran	Exhibiting features of biological, cultural, or aesthetic value characteristic of species surviving beyond the typical age range.				

Root Protection Areas (RPA)

The below ground constraints are generally summarised as the root protection areas (RPA). The RPA is an area equivalent to a circle with a radius 12 times the diameter of the trees measured at 1.5 metres for single stemmed trees. For trees with more than one stem, one of two calculation methods should be used. In all cases, the stem diameter(s) should be measured in accordance with Annex C, and the RPA should be guided from Annex D of BS5837:2012. Both RPA radius in metres from the main stem and total area for the RPA as square metres.

An average stem diameter is provided for tree groups, wooded areas and hedges. Where veteran trees have been identified the RPA has been calculated in accordance with Natural England guidance i.e. 15x the stem diameter or 5m beyond the crown whichever is greater.

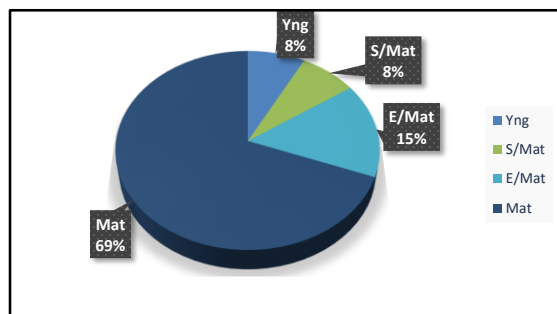
General Notes

Each tree was individually assessed and comments, where appropriate, were recorded for the condition of each tree's roots, main stem, and crown. The physiological condition has been recorded to provide an indication of the tree's general health and vitality. General comments have also been made where appropriate, with recommendations for tree work given, where applicable.

Each individual tree has been given an identification number. Metal tags have not been used for this survey as identification on-site does not require this. The tree numbers associated with each tree are cross referenced within the schedule and Tree Constraints Plan/s. Small trees with a stem diameter less than 75mm were not surveyed as they would either be easily replaced or relocated.

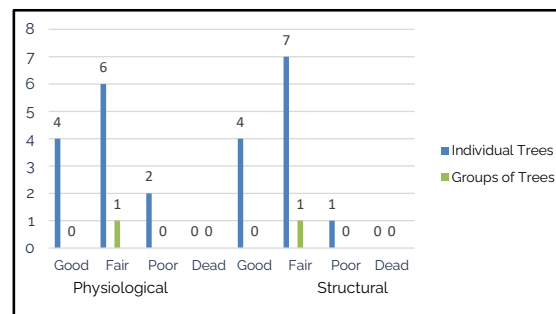


Age Distribution of the Tree Population



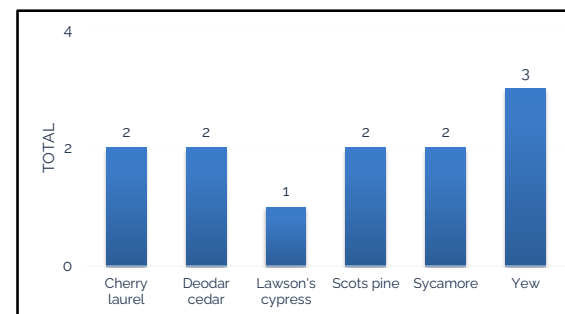
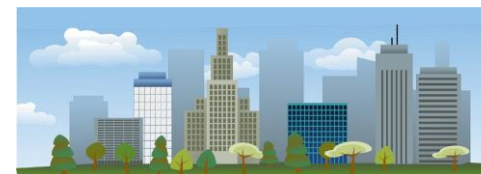
The distribution of age category across the tree population is useful for understanding expected longevity and can be used for determining mitigation, management and replacement.

Distribution of Physiological and Structural Conditions across the Tree Population



Physiological condition provides an indication of the vitality of the tree. Structural condition is related to the presence of defects that can lead to failures.

Species Composition of the Individual Tree Population



The proportions of any given family, genus, species, and cultivar which make up the total individually recorded tree population across the Site.

Ancient Woodland and Ancient, Veteran and Notable Trees

Ancient Tree - A tree that has passed beyond maturity and is old, or aged, in comparison with trees of the same species. Characterised by biological, cultural, or aesthetic features of interest.

Ancient Woodland - Any wooded area that has been continuously wooded since 1600 AD

Veteran Tree - Exhibiting features of biological, cultural, or aesthetic value characteristic of species surviving beyond the typical age range.

Notable Tree - mature trees which may stand out in the local environment because they are large in comparison with other trees around them.

Forestry Commission and Natural England Guidance for the protection of ancient woodland, ancient trees and veteran trees from development and the use of semi-natural buffer zones:

- Fifteen metres between any development and ancient woodland.

- Fifteen times the diameter of its stem or 5m from the edge of its canopy, if that's greater, around any ancient or veteran tree.

Ancient Woodlands

Ancient Trees

Veteran Trees

Notable Trees

0

0

0

0

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CATEGORY A	CATEGORY B	CATEGORY C	CATEGORY U
Trees with an estimated remaining contribution of at least 40 years. Trees that are particularly good examples of their species, especially if rare or unusual; or those that are essential components of groups or formal or semi-formal arboricultural features.	Trees 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 or trees lacking the special quality necessary to merit the category A designation.	Trees 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 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.
Sub-categories	Mainly arboricultural value 1	Mainly landscape value 2	Mainly cultural or conservation value 3
Summary of Individual trees, Groups, Woodlands and Hedges			
T3, T8	T1-2, T9,	T4-7, T10-12, G1	
2	3	8	0
Estimated Remaining Contribution (ERC)			
> 40 years	> 20 years	< 20 years	< 10 years
Breakdown of Arboricultural Features for each BS5837:2012 Category			
Trees 2	Trees 3	Trees 7	Trees 0
Groups 0	Groups 0	Groups 1	Groups 0
Woodlands 0	Woodlands 0	Woodlands 0	Woodlands 0
Hedgerows 0	Hedgerows 0	Hedgerows 0	Hedgerows 0
Percentage of tree population 15.4%	Percentage of tree population 23.1%	Percentage of tree population 61.5%	Percentage of tree population 0.0%

In assigning the BS5837:2012 Category, particular consideration has been given to the presence of any structural defects for each feature, the size and form of each feature, its suitability within the context of a proposed development, and the location of each feature relative to existing site features e.g. its screening value or landscape amenity value.

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Tree No.	Species (Common Name)	Species (Scientific Name)	Height (m)	Stem Dia (mm)	Crown Spread (m) N E S W				Height of Crown Clearance (m)	Age Class	Phys Con	Struc Con	Additional notes	Estimated remaining contribution (erc)	Ret Cat	RPA (m²)	RPA Radius (m)
INDIVIDUAL TREES																	
T1	Scots pine	<i>Pinus sylvestris</i>	19	593	2	2	3	4	15	Mat	Good	Good	Located on grassy embankment within wider group of surrounding individuals. Clear base and stem. Previous crown lifting of lower crown. Stem bifurcates at c. 14m. Occluding pruning cut on western side of stem at c. 2.5m.	20 to 40 years	B1, 2	163	7.2
T2	Yew	<i>Taxus baccata</i>	8	435	4	4	4	2	2	Mat	Fair	Fair	Located on grassy embankment within wider group of surrounding individuals. Tall drawn form. Stem bifurcates at c. 2m. Light ivy on stem. Previously pruned specimen with periphery branches having unoccluded stubs. Historically	20 to 40 years	B2	82	5.1
T3	Scots pine	<i>Pinus sylvestris</i>	19	710	3	7	7	2	17	Mat	Good	Good	Located on grassy embankment within wider group of surrounding individuals. Clear base and stem. Tall upright form to c. 16m. Main unions form with kinking limbs typical of species. Pruned limb at c. 16m at main union on western side. Large unoccluded pruning cuts in upper canopy. Good example of species.	>40 years	A1	222	8.4
T4	Yew	<i>Taxus baccata</i>	8	435	3	3	4	3	4	E/Mat	Fair	Fair	Located on grassy embankment within wider group of surrounding individuals. Tall drawn form. Stem bifurcates at c. 2m. Light ivy on stem. Lower unoccluded pruning stubs on southern side of stem. Suppressed canopy, particularly sparse internally due to suppression from adjacent trees. Minor	20 to 40 years	C2	82	5.1
T5	Lawson's cypress	<i>Chamaecyparis lawsoniana</i>	13	410	1	1	1	1	2	E/Mat	Fair	Fair	Located off-site. No access to base. All measurements estimated.	10 to 20 years	C2	72	4.8
T6	Sycamore	<i>Acer pseudoplatanus</i>	7	152.07	0.5	0.5	0.5	0.5	1	Yng	Good	Fair	Self-seeded specimen. Multi-stemmed from base. Low value. Hardstanding to southeast.	10 to 20 years	C3	10	1.8
T7	Deodar cedar	<i>Cedrus deodara</i>	19	1433.2	7	6	8	8	8	Mat	Poor	Fair	Located off-site behind fence boundary. No access to base all measurements estimated. Hardstanding footpath south of stem. Multi-stemmed from base. Southern limb has large tear out at c. 8-9m. Canopy in physiological decline, particularly north eastern side. Southern canopy overhangs and infringes	10 to 20 years	C1	919	17.1
T8	Deodar cedar	<i>Cedrus deodara</i>	22	1100	10	11	11	11	7	Mat	Good	Good	Basal inspection inhibited by dense ground ivy. Crown lifted to c. 7m. Occluded pruning wounds associated with lower stem. Large diameter deadwood in lower southeastern canopy. Decurrent growth habit. Deadwood hanger at c. 12m on western side. Numerous deadwood hangers of large diameter throughout canopy. Clear ivy at base to facilitate risk inspection	>40 years	A1	547	13.2
T9	Yew	<i>Taxus baccata</i>	16	930	4	3.5	3.5	4	2	Mat	Fair	Good	Located to rear of garages, off-site. Prominent buttress flare. Dense ground ivy inhibiting basal inspection. Western canopy infringes above garages. Tight acute unions at c. 1m. Sparse internal canopy with numerous deadwood branches of small large diameter. Tall drawn form.	>40 years	B1, 2	387	11.1
T10	Cherry laurel	<i>Prunus laurocerasus</i>	0	304.14	2	1	2	7	2	Mat	Fair	Fair	Located to rear of garages, off-site, within woodland area. Multi-stemmed from base. Historically removed western limb with stub remaining at base. Occluding rot hole on southeastern side of stem at c. 0.5m. Low value specimen with western canopy infringing of garages.	10 to 20 years	C3	41	3.6

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T11	Cherry laurel	<i>Prunus laurocerasus</i>	8	304.14	0	0	0	6	2	S/Mat	Fair	Fair	Located to rear of garages, off-site, within woodland area. Multi-stemmed from base. Low value specimen with western canopy infringing above garages.	10 to 20 years	C3	41	3.6
T12	Sycamore	<i>Acer pseudoplatanus</i>	11	410	0	0	6	6	2	Mat	Poor	Poor	Located to rear of garages, off-site, within woodland area. Dense ivy clad on base and stem obscuring inspection. Suppressed canopy from ivy. Canopy biased north and west. Low arboricultural value and poor condition, southwestern limb resting on garage roof at c. 2m.	10 to 20 years	C3	72	4.8

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					N	E	S	W	Crown Clearance (m)								
TREE GROUPS																	
G1	Sycamore, English holly	Acer pseudoplatanus, Ilex aquifolium	8.5 - 15	100 - 440	5	5	5	5	1	Mat	Fair	Fair	Group within woodland opening, east of garages. 1no. semi-mature sycamore c. 6m east of garages. 1no. mature sycamore c. 9m east of garages and clad in dense ivy. Small to large diameter deadwood within group.	10 to 20 years	C2	92	5.4