

BS5837 Report

Lucie Alexander
5 Watermead



Retention Category	No. trees
B	9
C	11
U	1
Total	21

Rem. Contrib.	No. trees
<10 years	1
10+ Years	5
20+ Years	6
30+ Years	8
40+ Years	1

Ref.	Species	Full Structure	Measurements	Retention Category	RPA	Comments	Measurements2	Recommendations
T001	Pedunculate oak (<i>Quercus robur</i>)	Tree	Height (m): 14 Stem Diam(mm): 480 Spread (m): 3N, 8E, 3S, 6W Crown Clearance (m): 7 Lowest Branch (m): 7(E) Life Stage: Semi Mature Rem. Contrib.: 40+ Years	B	Radius: 5.8m. Area: 106 sq m.	The tree has an asymmetrical crown, suppressed by adjacent specimens, with excessive ivy growth on the main stem.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Moderate Inspection Limitations: Access and Ivy. Bat Habitat: Unknown	
T002	Hazel (<i>Corylus avellana</i>)	Tree	Height (m): 5 Stem Diam(mm): 100 Spread (m): 2N, 5E, 2S, 5W Crown Clearance (m): 2 Lowest Branch (m): 0.5(M) Life Stage: Semi Mature Rem. Contrib.: 20+ Years	C	Radius: 1.2m. Area: 5 sq m.	Hazel coppice located within a third-party garden.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: Access Bat Habitat: None	
T003	Hazel (<i>Corylus avellana</i>)	Tree	Height (m): 5 Stem Diam(mm): 90 Spread (m): 3N, 3E, 2S, 3W Crown Clearance (m): 2 Lowest Branch (m): 0.5(M) Life Stage: Semi Mature Rem. Contrib.: 20+ Years	C	Radius: 1.1m. Area: 4 sq m.	Hazel coppice with minor decay present in the central leader.	Physiological Condition: Fair Structural Condition: Fair Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None	
T004	Pedunculate oak (<i>Quercus robur</i>)	Tree	Height (m): 6.5 Stem Diam(mm): 160 Spread (m): 2N, 4E, 3S, 3W Crown Clearance (m): 3 Lowest Branch (m): 2.5(NE) Life Stage: Young Rem. Contrib.: 20+ Years	C	Radius: 1.9m. Area: 11 sq m.	Self-seeded within the understory of an adjacent specimen, with irregular stem formation likely resulting from heavy pruning.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None	

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T005	Pedunculate oak (<i>Quercus robur</i>)	Tree	Height (m): 20 Stem Diam(mm): 1070 Spread (m): 4N, 9E, 8S, 8W Crown Clearance (m): 3 Lowest Branch (m): 6(W) Life Stage: Mature Rem. Contrib.: 30+ Years	B	Radius: 12.8m. Area: 515 sq m.	The crown shows evidence of apical dieback, likely as a result of estate development. Minor deadwood is present in the lower crown and remains in a stable condition. The primary scaffold limbs at approximately 9m in height are occluding due to historic rubbing, these branches extend over the turning circle and have been previously reduced.	Physiological Condition: Fair Structural Condition: Good Public Amenity Value: Good Inspection Limitations: None Bat Habitat: Unknown	
T006	Common holly (<i>Ilex aquifolium</i>)	Tree	Height (m): 5 Stem Diam(mm): 170 Spread (m): 3N, 2.5E, 2S, 3W Crown Clearance (m): 2 Lowest Branch (m): 2(W) Life Stage: Semi Mature Rem. Contrib.: <10 years	C	Radius: 2.0m. Area: 13 sq m.	Located within the understory of an adjacent specimen, the tree is twin-stemmed from ground level. Ivy is establishing through the crown. There is significant crown dieback, with no obvious cause of decline.	Physiological Condition: Fair Structural Condition: Good Public Amenity Value: Low Inspection Limitations: Ivy Bat Habitat: None	
T007	Pedunculate oak (<i>Quercus robur</i>)	Tree	Height (m): 19 Stem Diam(mm): 570 Spread (m): 2N, 5E, 4S, 6W Crown Clearance (m): 3 Lowest Branch (m): 3(E) Life Stage: Early Mature Rem. Contrib.: 30+ Years	B	Radius: 6.8m. Area: 145 sq m.	Minor ivy present on the lower stem. The tree exhibits an asymmetrical form, suppressed by adjacent specimens. An historic occluding wound is present at approximately 12m in height, with around 100 mm of callus tissue formation. Significant deadwood is present centrally within the crown.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Moderate Inspection Limitations: None Bat Habitat: Unknown	Remove major deadwood.

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T008	Pedunculate oak (<i>Quercus robur</i>)	Tree	Height (m): 20 Stem Diam(mm): 710 Spread (m): 3N, 7E, 6S, 8.5W Crown Clearance (m): 4 Lowest Branch (m): 4(NW) Life Stage: Early Mature Rem. Contrib.: 30+ Years	B	Radius: 8.5m. Area: 227 sq m.	Occluding pruning wounds are present from previous crown lifting, with prolific epicormic growth now establishing. Minor deadwood is present throughout the crown, and a major deadwood stub to the east at approximately 6m in height is in a stable condition. A deep buttress indent is present to the south, no decay is evident and this is not considered of concern. The crown has a marginal overhang onto the adjacent building but maintains sufficient clearance of approximately 8m above. The crown is asymmetrical and mutually suppressed by adjacent trees.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Moderate Inspection Limitations: None Bat Habitat: Unknown	
T009	Horse chestnut (<i>Aesculus hippocastanum</i>)	Tree	Height (m): 5 Stem Diam(mm): 80 Spread (m): 0.5N, 2E, 2S, 2W Crown Clearance (m): 2 Lowest Branch (m): 2(SE) Life Stage: Young Rem. Contrib.: 20+ Years	C	Radius: 1.0m. Area: 3 sq m.	Young, self-seeded tree.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None	
T010	Pedunculate oak (<i>Quercus robur</i>)	Tree	Height (m): 15 Stem Diam(mm): 550 Spread (m): 4N, 7E, 3S, 6W Crown Clearance (m): 3 Lowest Branch (m): 5(W) Life Stage: Semi Mature Rem. Contrib.: 30+ Years	B	Radius: 6.6m. Area: 137 sq m.	Historically twin-stemmed; a dead stem remains present from ground level to approximately 1m in height. There is evidence of historic loss of the central leader at around 8m in height, with regrowth having formed a new crown, now suppressed by adjacent specimens. A possible cavity and decay are present at approximately 8m in height, although this could not be confirmed from ground level.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Moderate Inspection Limitations: None Bat Habitat: Unknown	

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T011	Pedunculate oak (<i>Quercus robur</i>)	Tree	Height (m): 23 Stem Diam(mm): 1090 Spread (m): 6N, 10E, 4S, 4W Crown Clearance (m): 7 Lowest Branch (m): 7(W) Life Stage: Mature Rem. Contrib.: 30+ Years	B	Radius: 13.1m. Area: 539 sq m.	The main stem is bifurcated at approximately 2m in height, with the union appearing stable and no evidence of movement. No change in resonance was detected when sounded with a nylon-tipped mallet. The eastern stem exhibits significant extension to the east, likely as a result of mutual suppression. Major deadwood is present throughout the crown and could be reduced or removed as appropriate. The tree also has well-developed buttress roots.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Moderate Inspection Limitations: None Bat Habitat: Unknown	Remove major deadwood.
T012	Lawson cypress (<i>Chamaecyparis lawsoniana</i>)	Tree	Height (m): 14 Stem Diam(mm): 350 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 2 Lowest Branch (m): 2.5(W) Life Stage: Semi Mature Rem. Contrib.: 20+ Years	C	Radius: 4.2m. Area: 55 sq m.	Located in the understory of an adjacent oak specimen, the tree has a bifurcated main stem at approximately 6m in height.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None	
T013	Pedunculate oak (<i>Quercus robur</i>)	Tree	Height (m): 16 Stem Diam(mm): 750 Spread (m): 9N, 2E, 5S, 9W Crown Clearance (m): 6 Lowest Branch (m): 5(W) Life Stage: Semi Mature Rem. Contrib.: 30+ Years	B	Radius: 9.0m. Area: 254 sq m.	The crown has been previously pruned away from the adjacent property. Minor deadwood is present. The crown is asymmetrical and suppressed by an adjacent specimen. Ivy is present covering the lower stem.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Low Inspection Limitations: Ivy. Bat Habitat: None	Reduce crown by 3m.
T014	Common hawthorn (<i>Crataegus monogyna</i>)	Tree	Height (m): 5 Stem Diam(mm): 90 Spread (m): 2N, 0.5E, 2S, 2W Crown Clearance (m): 2 Lowest Branch (m): 2(SW) Life Stage: Semi Mature Rem. Contrib.: 10+ Years	C	Radius: 1.1m. Area: 4 sq m.	Twin-stemmed tree suppressed by a third-party yew.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None	
T015	Horse chestnut (<i>Aesculus hippocastanum</i>)	Tree	Height (m): 6 Stem Diam(mm): 250 Spread (m): 4N, 6E, 3S, 5W Crown Clearance (m): 3 Lowest Branch (m): 3(E) Life Stage: Young Rem. Contrib.: 10+ Years	C	Radius: 3.0m. Area: 28 sq m.	Bleeding canker is present, with associated bark lesions, currently in a stable condition.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None	

Ref.	Species	Full Structure	Measurements	Retention Category	RPA	Comments	Measurements2	Recommendations
T016	Common holly (<i>Ilex aquifolium</i>)	Tree	Height (m): 7 Stem Diam(mm): 150 Spread (m): 3N, 3E, 3S, 3W Crown Clearance (m): 0.5 Lowest Branch (m): 0.5(M) Life Stage: Semi Mature Rem. Contrib.: 10+ Years	C	Radius: 1.8m. Area: 10 sq m.	Multi-stemmed from ground level.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None	
T017	Common beech (<i>Fagus sylvatica</i>)	Tree	Height (m): 20 Stem Diam(mm): 700 Spread (m): 4N, 5E, 7S, 7W Crown Clearance (m): 5 Lowest Branch (m): 5(NW) Life Stage: Mature Rem. Contrib.: 10+ Years	U	Radius: 8.4m. Area: 222 sq m.	Located within striking distance of residential gardens. Kretzschmaria is present around all cardinal points of the buttresses, with a significant concentration to the north-west. The buttresses produced a notable change in resonance when sounded with a nylon tipped mallet, indicating potential internal dysfunction. Apical dieback is also evident.	Physiological Condition: Fair Structural Condition: Poor Public Amenity Value: Low Inspection Limitations: None Bat Habitat: Unknown	Pollard to 6mH and retain for habitat.
T018	Field maple (<i>Acer campestre</i>)	Tree	Height (m): 7 Stem Diam(mm): 290 Spread (m): 6N, 3E, 3S, 3W Crown Clearance (m): 2 Lowest Branch (m): 2(N) Life Stage: Semi Mature Rem. Contrib.: 20+ Years	C	Radius: 3.5m. Area: 38 sq m.	Historically fused stems, now fully occluded and considered stable. Evidence of animal burrowing is present beneath the root plate.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None	
T019	Pedunculate oak (<i>Quercus robur</i>)	Tree	Height (m): 19 Stem Diam(mm): 620 Spread (m): 5N, 6E, 4S, 7W Crown Clearance (m): 10 Lowest Branch (m): 10(SE) Life Stage: Early Mature Rem. Contrib.: 30+ Years	B	Radius: 7.4m. Area: 172 sq m.	Ground levels have been raised around the base of the tree. Epicormic growth is present as a reaction to previous crown lifting.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Low Inspection Limitations: Ivy Bat Habitat: None	
T020	Common alder (<i>Alnus glutinosa</i>)	Tree	Height (m): 16 Stem Diam(mm): 1200 Spread (m): 7N, 6E, 7S, 7W Crown Clearance (m): 3 Lowest Branch (m): 2.5(SE) Life Stage: Mature Rem. Contrib.: 30+ Years	B	Radius: 14.4m. Area: 651 sq m.	Trifurcated at approximately 1m in height, located on the bank of a pond. Minor deadwood is present over a low target area.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Low Inspection Limitations: None Bat Habitat: Unknown	
T021	Norway maple (<i>Acer platanoides</i>)	Tree	Height (m): 6 Stem Diam(mm): 100 Spread (m): 2N, 2E, 2S, 2W Crown Clearance (m): 1.5 Lowest Branch (m): 1.5(E) Life Stage: Newly planted Rem. Contrib.: 10+ Years	C	Radius: 1.2m. Area: 5 sq m.	Newly planted within shrub border.	Physiological Condition: Good Structural Condition: Good Public Amenity Value: Low Inspection Limitations: None Bat Habitat: None	