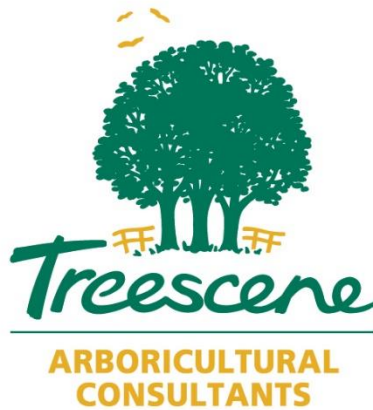




Tree Survey

At

**Uskmouth Power Station,
Newport**

*Inspected by:-
Julian Wilkes BSc.For, MSc.Land Man, MIC.For, TechArborA
Treescene Ltd
The Walled Garden
Old Coedarhydyglyn
St Nicholas
Cardiff
CF5 6SG
Tel No. 029 20599300*

3rd March, 2025

**Registered Office: Treescene Limited
The Walled Garden, Old Coedarhydyglyn, St. Nicholas, Cardiff CF5 6SG
Tel. 029 205 99300 Email. trees@treescene.co.uk**

Brief

I have been instructed by Mr. Lee Morris of Tir Collective to carry out a survey on trees at Uskmouth Power Station, Newport.

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	Oak (<i>Quercus robur</i>)	12	Single	0.34	7	6	5	3	3	Middle aged	Good	Prominent specimen of good form and vigour that has historically been crown reduced.	No action required at this time.	>40	B
T2	Cherry (<i>Prunus</i> spp.)	5	Multi	0.2	3	3	2	2	2	Young	Fair to poor	Tree of variable form sited adjacent to overhead lighting column which has necessitated significant pruning within crown.	No action required at this time.	10-20	C
G3	Group of 4: Hybrid Black Poplar (<i>Populus × canadensis</i>)	23	Single	0.5 (avg.)	12	11	10	12	3	Mature	Fair	Notable group formed by a species that is vulnerable to structural failure as it matures.	Monitor for safety.	10-20	C
G4	Group of: Alder (<i>Alnus glutinosa</i>), Birch (<i>Betula pendula</i>)	7	Single and Multi	0.1	1	1	1	1	1	Young	Fair	Scrubby naturally regenerated specimens established immediately adjacent to chain link fence.	No action required at this time.	10-20	C
G5	Group of: Oak (<i>Quercus robur</i>), Cherry (<i>Prunus</i> spp.)	13	Single	0.4 (avg.)	6	5	5	4	3	Middle aged	Fair	Trees of reasonable form and vigour.	No action required at this time.	>40	B
G6	Group of 2: Alder (<i>Alnus glutinosa</i>)	7	Single and Multi	0.18	2	2	2	2	2	Young	Fair to poor	Scrubby naturally regenerated specimens that have suffered mechanical damage in lower crown in relation to adjacent vegetation management.	No action required at this time.	10-20	C
T7	Crack Willow (<i>Salix fragilis</i>)	19	Multi	1.2	6	13	11	8	2	Mature	Poor	Multi-stemmed specimen of variable form exhibiting significant dieback throughout crown. Evidence of basal decay. This specimen is vulnerable to total collapse.	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							
G8	Group of: Alder (<i>Alnus glutinosa</i>)	19	Single	0.45	5	5	5	5	3	Mature	Fair	Trees of variable form sited adjacent to watercourse.	No action required at this time.	20-40	B
T9	Birch (<i>Betula pendula</i>)	7	Single	0.07	1	1	1	1	2	Young	Fair	Naturally regenerated specimen that has suffered some minor mechanical damage in lower crown in associated with adjacent vegetation management.	No action required at this time.	20-40	C
T10	Alder (<i>Alnus glutinosa</i>)	5	Multi	0.15	1	1	1	1	0	Young	Fair	Scrubby naturally regenerated specimen of variable form and vigour.	No action required at this time.	10-20	C
G11	Group of: Crack Willow (<i>Salix fragilis</i>), Goat Willow (<i>Salix caprea</i>)	7	Single and Multi	0.1	1	1	1	1	0	Young	Fair to poor	Scrubby naturally regenerated specimens that have suffered some mechanical damage to lower crowns as a result of adjacent vegetation management.	No action required at this time.	10-20	C
T12	Goat Willow (<i>Salix caprea</i>)	7	Multi	0.2	2	2	2	2	1	Young	Fair to poor	Scrubby naturally regenerated specimen exhibiting included basal forks that are vulnerable to structural failure as this specimen matures.	Monitor for stability.	10-20	C
G13	Group of: Goat Willow (<i>Salix caprea</i>)	8	Multi	0.15	2	2	2	2	0	Young	Fair to poor	Scrubby naturally regenerated specimens exhibiting some mechanical damage in lower crowns as a result of associated vegetation management. These specimens are vulnerable to structural failure as they mature as a result of potentially weak basal forks.	Monitor for stability.	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							
G14	Group of: Goat Willow (<i>Salix caprea</i>)	8	Multi	0.15	2	2	2	2	0	Young	Fair to poor	Scrubby naturally regenerated specimens exhibiting some mechanical damage in lower crowns as a result of associated vegetation management. These specimens are vulnerable to structural failure as they mature as a result of potentially weak basal forks.	Monitor for stability.	10-20	C
G15	Group of: Goat Willow (<i>Salix caprea</i>)	6	Multi	0.2 (avg.)	2	2	2	2	0	Young	Fair to poor	Scrubby naturally regenerated specimens exhibiting some mechanical damage in lower crowns associated with adjacent vegetation management. These specimens are vulnerable to structural failure as they mature as a result of potentially weak basal forks.	Monitor for stability.	10-20	C