



# **Tree Hazard Survey of Llangammarch Wells Community Gardens**

**Remit: To carry out a tree hazard survey of Llangammarch Wells Community Gardens on the instructions of Sue Lilly.**

- This was done by means of a ground based visual tree inspection.
- The inspection was carried out on 3<sup>rd</sup> July 2024 with the previous inspection on 7<sup>th</sup> November 2020.
- This report also includes any trees with a potential hazard between the field gate at western end of the gardens and the telegraph pole with the street lamp attached to it approximately 85m upstream at the far end of the village community land.
- **Trees removed since the previous inspection are included in red on the tree location map for the record.**

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## **Explanation of Terminology.**

### **Species**

Species are named by scientific name – underlined – and/or common name.

### **Height and Spread**

Recorded as an approximation in meters.

### **Age Class**

**NP** New Planting – 0 to 5 years after planting.

**YM** Young Mature – First third of expected life span.

**MA** Middle Aged – Second third of expected life span.

**M** Mature – Final third of expected life span.

**OM** Over Mature – Having attained full expected life span and now in decline.

**VET** Veteran – Unusually old having survived longer in relation to others of the same species.

### **Condition**

**Physiological condition** – The condition of biological processes of the tree as a functioning system.

**Good** Tree of good vitality, showing little signs or symptoms of ill health.

**Fair** Tree showing signs or symptoms of ill health which are treatable.

**Poor** Tree in terminable decline.

**Structural condition** – The condition of the structural/mechanical framework of the tree.

**Good** Without significant defects.

**Fair** With significant defects that are remediable

**Poor** Significant defects that require the felling of the tree or substantial works to make safe.

### **Dead**

Further to the physiological and structural ratings, a series of defects of significance will be listed as a list of bullet points. Technical terms used in these points are set out below in **Technical Terms**.

**NB If an aerial or further investigation is recommended then the physiological and structural ratings are provisional.**



### **Recommendations**

Recommended works to remediate significant defects or further inspections required to facilitate a more detailed survey. Each recommendation will be given a **Work Priority** rating.

### **Work Priority**

- 1 Urgent** - Works required within 7 days to make the tree safe.
- 2 Very High** - Works required within 30 days to make the tree safe.
- 3 High** - Works required within 90 days to make the tree safe.
- 4 Moderately high** - Works required within 180 days to make the tree safe.
- 5 Moderate** - Works required as part of scheduled maintenance.
- 6 Low** - Works required of the lowest priority and may be done if the budget allows.
- 7 None** - No works required or no targets exist or is excluded.

**NB Roadside recommended works - all trees and vegetation that overhang the highway/roads should be lifted to at least 5.2m to allow safe passage of high sided vehicles as well as being cut back sufficiently from the edge of the carriageway to allow clearance for wing mirrors as a minimum.**

### **Inspection Frequency**

- 1 Urgent** - Carry out a detailed inspection of the aerial parts and/or with the use of decay detection equipment, as can be arranged.
- 2 Very High** - 6 months to next inspection.
- 3 High** - 12 months to next inspection.
- 4 Moderate** - 18 months to next inspection.
- 5 Low** - 3 years to next inspection.
- 6 Very Low** - 5 years to next inspection.
- 7 None** - No targets exist or is excluded.

*Interim inspections are recommended after periods of severe weather (i.e. storms, gales, etc.)*



## **Technical Terms used in 'Condition' or 'Recommendations'**

### **Formative Pruning**

The tree is pruned with the aim of producing a tree which in maturity will be free from major physical weaknesses (e.g. Removal of unwanted secondary leading shoots to prevent potentially weak forks from forming).

### **Crown Reduction and/or Reshaping**

The tree is reduced in height and/or spread while preserving a natural tree shape. Branches should be cut back to a side bud or branch to retain a flowing branch line without leaving stumps. All cuts should be made outside of the line of the branch bark ridge and branch collar of the retained branch.

### **Crown Lifting**

Removal of lower branches, or parts thereof, up to a given height.

### **Crown Thinning**

Removal of a proportion of secondary and small live branch growth from throughout the crown to produce an even density of foliage around a well-spaced and balanced branch structure.

### **Percentages**

Where percentage figures have been quoted they refer to leaf bearing matter to be removed and are only used in **crown thinning** (usually not exceeding 30%).

### **Stump Grinding**

The removal of the tree stump by pulverising it into wood chip to a depth of approximately 250-500mm.

**If works are recommended, then the Contractor will be required to carry out any works in accordance with the standards set out in BS3998:2010**



## Survey of Llangammarch Wells Community Gardens

Ref. No.	Species	Height (m)	Spread (m)	Age Class	Condition	Recommendations	Work Priority	Inspection Frequency
1	Sessile Oak	12	12	MA	<b>Physiological = Good</b> <b>Structural = Good</b>		7	5
2	White Oak	9	6	YM	<b>Physiological = Fair</b> <b>Structural = Fair</b> <ul style="list-style-type: none"> <li>• Crown reduction earlier this year has led to some branches dying off leaving dead wood &lt;120mm diameter.</li> </ul>	Remove dead wood	5	5
12	Ash	19	11	MA	<b>Physiological = Good</b> <b>Structural = Good</b> Crown was lifted to 9m in 2023/24		7	5
13	Rowan	9	3	YM	<b>Physiological = Good</b> <b>Structural = Good</b>		7	5
14	Sycamore	16	12	MA	<b>Physiological = Good</b> <b>Structural = Fair</b> Squirrel damage - freshly ring-barked limb at 13m with 200mm diameter in upper crown NW	Remove ring-barked limb	5	5
15	Alder	12	7	MA	<b>Physiological = Good</b> <b>Structural = Good</b> Grown with a lean to NNW due to proximity to T6 & T14		7	5



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Ref. No.	Species	Height (m)	Spread (m)	Age Class	Condition	Recommendations	Work Priority	Inspection Frequency
16	Sycamore	18	14	MA	<p><b>Physiological = Good</b>  <b>Structural = Fair</b></p> <ul style="list-style-type: none"> <li>• Long vertical cavity from 0.3m to 2.3m on east side of trunk 250mm deep – the tree has produced a lot of reaction wood growth either side of the cavity which structurally compensates for the cavity</li> <li>• Squirrel damage - freshly ring-barked limb at 16m with 100mm diameter in upper crown NW-insignificant</li> </ul>		7	5
17	Weeping Willow	13	10	MA	<p><b>Physiological = Fair</b>  <b>Structural = Fair</b></p> <ul style="list-style-type: none"> <li>• Minor dead wood &lt;90mm diameter – insignificant</li> </ul> <p>Low leaf density - possible indicator of infection/disease</p>		7	5
18	Beech	14	12	MA	<p><b>Physiological = Good</b>  <b>Structural = Fair</b></p> <ul style="list-style-type: none"> <li>• Included bark at union of leaders at 2m</li> </ul> <p>Some minor scarring of bark on trunk below 1m – insignificant</p>		7	5

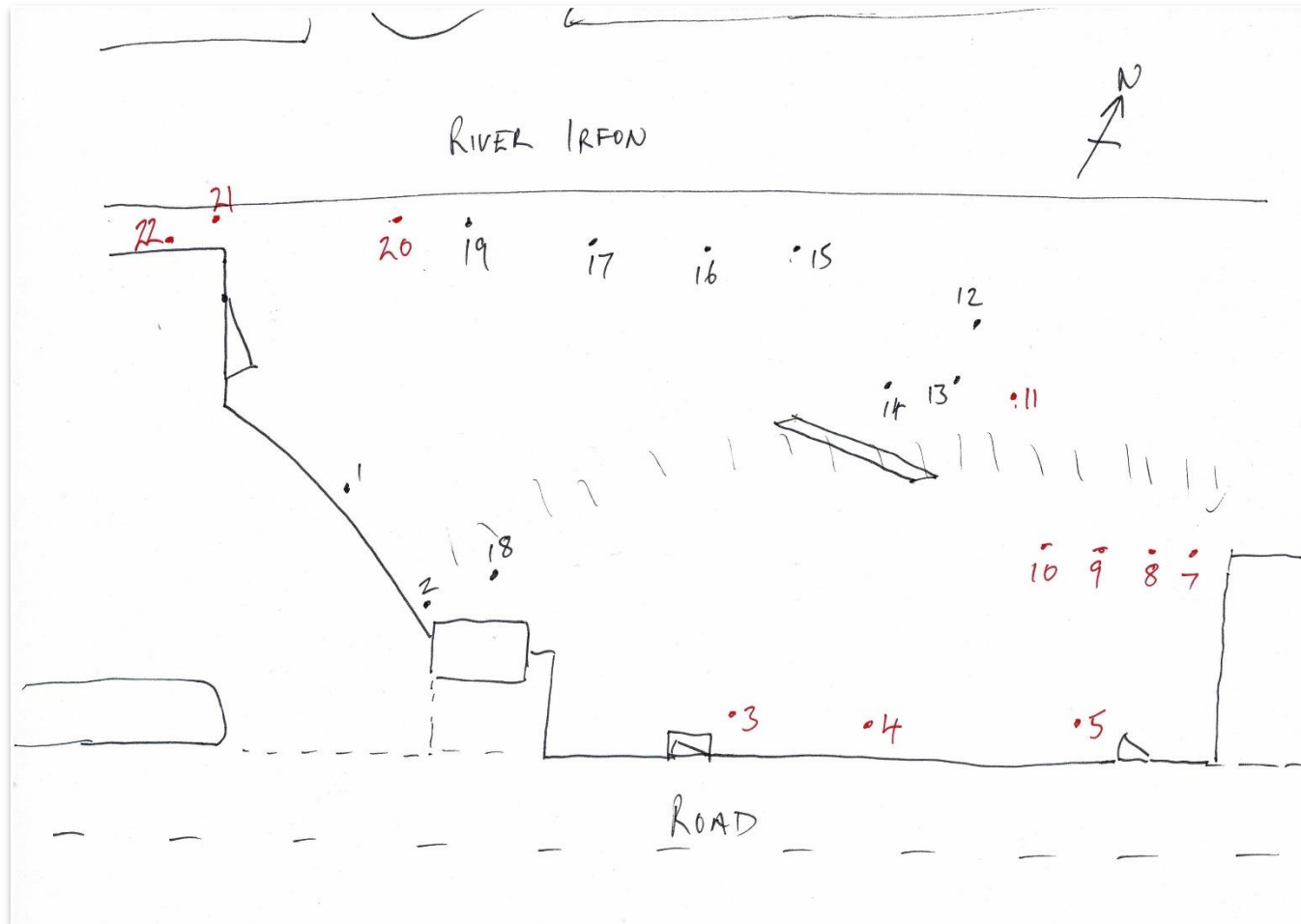


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19	Alder	15	7	MA	<b>Physiological = Fair</b> <b>Structural = Fair</b> <ul style="list-style-type: none"><li>• Two stems</li></ul>			5
23	Sessile Oak	12	12	MA	<b>Physiological = Good</b> <b>Structural = Fair</b> Dead wood <150mm diameter	Remove dead wood over parking area	4	5



## Tree Location Map of Llangammarch Wells Community Gardens







## Tree Location Map of Area Upstream of Llangammarch Wells Community Gardens

