



**Visual Tree Assessment. Hazeck, The Mines, Benthall, Broseley, TF12 5QY**

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**Matthew Owen FDS Arboriculture**

**14/07/21**

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**Tree Survey Map**

**General Tree Assessment detailed**

**Tree Survey Action Analysis**

**Work Summary**

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**Photos**

## Part 1 Introduction

**1.1 Instruction:** I am instructed by Stacey Bowler on 09/07/21 via email to carry out a visual tree assessment at Hazeck, The Mines, Benthall, Broseley, TF12 5QY.

The tree survey brief was established to survey all mature trees within the property boundary.

Trees selected for visual assessment will take into account the following points:

- The Target- i.e., the probability of people or property being in range.
- The magnitude of hazard-i.e., the size of tree or limb.
- The probability of failure occurring before the next inspection.

Small diameter trees and shrubs (under 75mm) at 1.5m with low probability of people or property being in range have not been included in the survey.

**1.2 Site Visit:** I visited the site on 14/07/21, all observations were from ground level and do not include the use of drilling equipment or excavating the soil. No aerial inspection was carried out. We had good access around the tree's root plates areas and stems. The weather at the time was clear, with good visibility of the tree crowns.

**1.3 Location of the Survey: Hazeck, The Mines, Benthall, Broseley, TF12 5QY. Survey parameter in red line below.**



**Part 2: General Information**

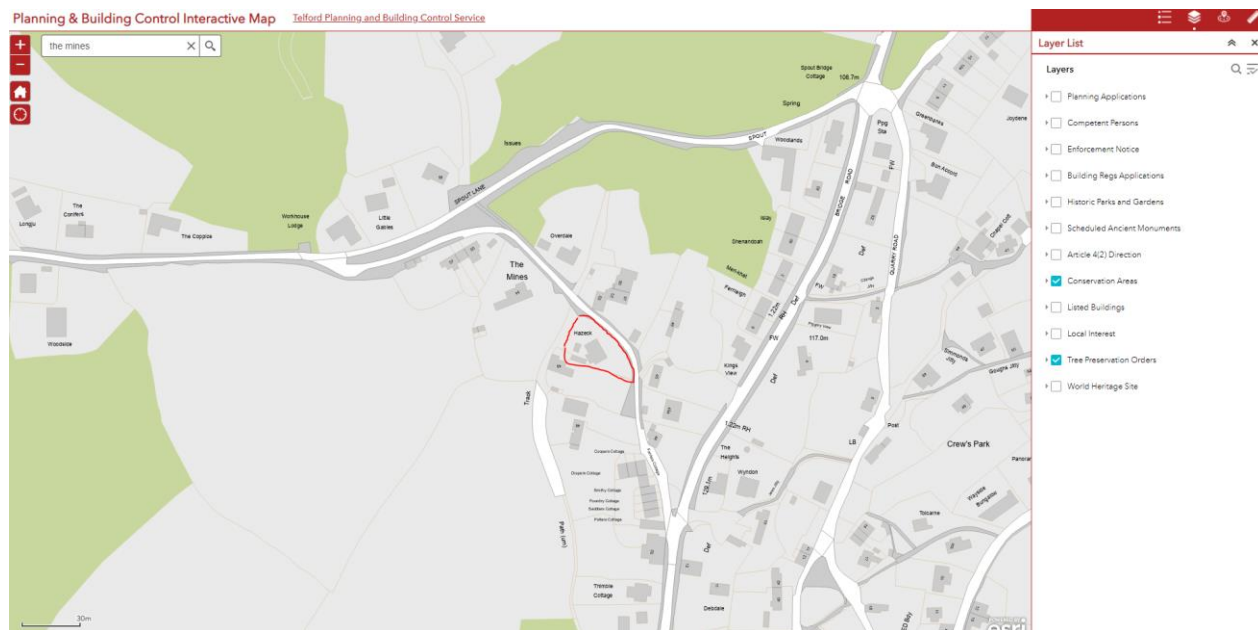
**2.1 The Author:** My name is Matthew Owen; I am a professional member of the Arboricultural Association. I have a Foundation Degree in Arboriculture, Royal Forestry Society Certificate in Arboriculture, and Lantra Awards in Professional Tree Inspection. I have recently completed Arboricultural Association consultancy training event March 2016. I have worked in Arboriculture for 15 years as a climbing Arborist, surveyor and consulting Arboriculturalist. A copy of my qualifications can be sent on request.

**Surveyor:** Tom Craven; Lantra Award in Professional Tree Inspection. Has over a decade of experience in Arboriculture of which 10 years as a surveyor and consulting arboriculturalist. A copy of qualifications can be sent on request.

- 2.2 Limitations:** Information provided by third parties used in the preparation of this report is assumed to be correct. The contents are copyright and may not be duplicated or used by third parties without written consent of Arbserv Ltd.

### **Part 3: Tree Survey**

- 3.1 Methodology:** All observations were from ground level using non-invasive investigations. Measurements were taken using diameter tape, measure tape, digital clinometer or laser measure. Where this was not possible or reasonably practical, measurements have been estimated by eye. The visual tree assessment systematically inspects the surrounding area, root plate, ground conditions, buttress and stem, scaffold branch structure and canopy from bottom to top.
- The trees are all individually tagged with a unique number on an aluminium tag to identify them.
- 3.2 Survey Parameters:** Trees within felling distance of properties, roads and footpaths area highlighted on location 1.3 in red line boundary.
- 3.3 Tree survey map:** attached in appendix. Map 1.
- 3.4 General Tree Assessment Detailed:** attached in appendix. A schedule of all trees surveyed with detailed information on species, size, condition, recommendations.
- 3.5 Tree Survey Action Analysis:** attached in appendix to highlight only work not completed. This can then be filtered further to focus on priority work within 1,2,3 years.
- 3.6 Work Summary:** attached in appendix including total number of trees split by species. And total number of estimated man hours to complete the recommendations. This hour total would need dividing by 2 if a 2man team completes the work.
- 3.7 Re-inspection:** Attached in appendix a list of recommended re inspection dates.
- 3.8 Conservation Area and Tree Preservation Orders:** After a Telford and Wrekin planning interactive map search the property is not within a conservation area and does not have any Tree preservation orders on any trees. Any recommended tree work can be carried out without council consent. I do recommend a further phone call to double check with Telford and Wrekin Council before commencing any work.



#### **Part 4: Summary**

##### **4.1**

A total of 9 trees of trees have been surveyed. This summary will focus on trees to note in order of priority the full list of recommendations can be found in the Tree Survey Action Analysis in the appendix.

**T642**, Dead Birch tree: Section fell to ground level within 3 months before the tree becomes brittle and branches start dropping off. No TPO or conservation area application required as tree is dead and potentially dangerous in time. Keep Photographic evidence of dead tree for future reference before completing work.

**T641**: Dead ivy-covered stump fell to ground level within 1 year.

**T644** Apple: Minor compaction and buttress root damage from construction of paving and parked cars. Reduce whole canopy to approx. 5m from ground level and maintain at this height. Reinstate topsoil and mulch around root plate promote new rooting.

**T638** Norway Spruce. A tall mature tree typical of species with minor deadwood. Although the tree has no major defects and is in fair condition the size and location of the tree do pose some shading problems. Shading of buildings by trees can be a problem particularly where there are rooms which require natural light. This unreasonable shading on the property in this case will increase future pressure for tree removal. The relationship of the building to this mature tree can cause apprehension to occupiers resulting in pressure for removal. The effects of trees on daylight and sunlight with regards to shading can be illustrated by plotting a segment, with radius from centre of the stem equal to the height of the tree. This is drawn from due north-west to due east, indicating the shadow pattern through the main part of the day. See attached Tree Survey Map.

After reviewing the future value of this tree against the apprehension to the owners as it continuous to grow larger I am recommending felling and replanting with a more suitable small garden species.

**Trees 640, 643** Semi Mature Common Beech trees. Young trees typical of species in fair condition. Both trees are growing very close to a retaining wall roadside. Although both trees are not currently causing any visible damage to the wall as they grow and the stems increase in diameter, they will inevitably start to damage the wall. I estimate some visible signs of wall movement in approx. 5-10 years. For this reason, I am recommending felling the 2x trees in succession with the larger T643 first and smaller T640 approx. 2 years after. Succession replanting with more suitable small garden ornamental trees or shrubs.

**Trees 639, 646** Eucalyptus gum trees. Currently small young trees will however grow quickly and mature into large trees not suitable for location. Consider replacing with more suitable small garden trees over time.

Below are some examples of suitable small garden trees to consider replacement planting.

*Acer griseum*  
*Amelanchier × grandiflora* 'Ballerina'  
*Crataegus persimilis* 'Prunifolia'  
*Sorbus* 'Joseph Rock'  
*Prunus* 'Amanogawa'

Trees under 5m (16ft) in height

*Amelanchier alnifolia* 'Obelisk': (\*) Height 4m (13ft). Spread 1m (3ft)  
*Cercis canadensis* 'Forest Pansy': Height 4-5m (13-16ft). Spread 3m (10ft)  
*C. chinensis* 'Avondale': Height 3m (10ft). Spread 2m (6½ft)  
*Cornus kousa* 'Miss Satomi' **AGM:** (\*) Height 5m (16ft). Spread 3m (10ft)  
*Corylus maxima* 'Purpurea': Height 5m (16ft). Spread 3m (10ft)  
*Euonymus europaeus* 'Red Cascade' **AGM:** Height 3m (10ft). Spread 2.5m (8ft)  
*Liquidambar styraciflua* 'Gum Ball' **AGM:** (\*) Height 3m (10ft). Spread 2m (6½ft)  
*Magnolia stellata* 'Jane Platt' **AGM:** Height 3-4m (10-13ft). Spread 2.5m (8ft)  
*Prunus* 'Hally Jolivette': Height 5m (16ft). Spread 2-3m (6½-10ft)  
*Ptelea trifoliata* 'Aurea' **AGM:** Height 5m (16ft). Spread 4m (13ft)  
*Salix exigua* **AGM:** Height and spread 4m (13ft)  
*Sorbus pseudovilmorinii*: Height and spread 4m (13ft)  
*S. vilmorinii* **AGM:** (\*) Height 5m (16ft). Spread 4m (13ft)

All recommendations have been quantified with man hours to complete work. This is based on our experience. 1- man hour current rates to expect are between £30 and £35 per 1x man hour for a qualified insured tree surgeon.

Re inspection frequency is generally around 3 years on most trees however a few are advised to re inspect earlier if recommendations have not been completed. See tree survey re inspection due dates in appendix.

**Note:**

Trees are not static objects. They are living organisms, which grow and die like any other living things, and there can be no definitive once- and for- all survey. The facts contained in this report relate to the circumstances at the date of the survey. Significant changes in the site environment may alter its viability.



Matthew Owen. FDS Arbiculture, RFS cert Arb

**Appendix:**

**Tree Survey Map**  
**General Tree Assessment detailed**  
**Tree Survey Action Analysis**  
**Work Summary**  
**Tree Survey Re-inspection Due dates**  
**Photos**

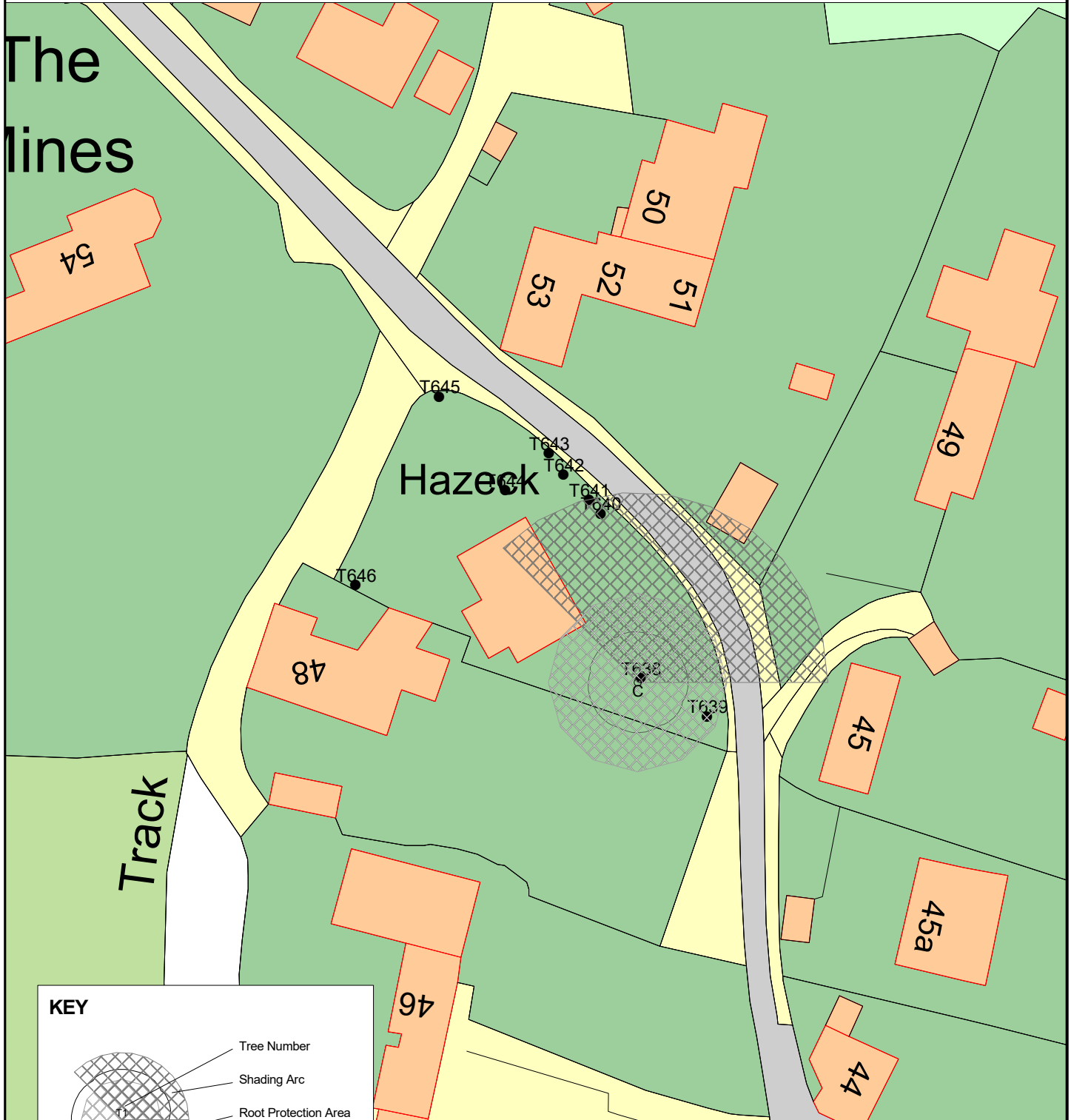












**KEY**

- Tree Number
- Shading Arc
- Root Protection Area
- Crown Spread

○ Category 'A'   
 ○ Category 'B'   
 ○ Category 'C'   
 ○ Category 'U'

0 25m

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**General Tree Assessment (Detailed)**

**Tree ID: T645**

Common Ash  
*Fraxinus excelsior*

**Tag:** 645  
**TPO:**

**Assessor:** Matthew Owen  
**Date:** 14-Jul-21

**Tree Comment:**

**Survey Comment:** Previously pollarded to approx. 2m in height. ABC powerline running across top of crown.

**Details**

Height	Spread	Stems	Ø	Maturity	Bat	Con Area	Prev Insp	Next Due	Condition
6.4 m	3 m	1	180 mm	Young		No	N/A	14-Jul-24	Fair

**Observations**

Root	Stem	Branch	Leaf/Bud
No visual defects	Old pruning wounds	Old pruning wounds Pollard	Normal

**Work**

**Tree ID: T642**

Silver Birch  
*Betula pendula*

**Tag:** 642  
**TPO:**

**Assessor:** Matthew Owen  
**Date:** 14-Jul-21

**Tree Comment:**

**Survey Comment:** Dead Silver Birch - fell MEWP required

**Details**

Height	Spread	Stems	Ø	Maturity	Bat	Con Area	Prev Insp	Next Due	Condition
11.2 m	5 m	2	380 mm	Dead		No	N/A	14-Jul-24	Dangerous

**Observations**

Root	Stem	Branch	Leaf/Bud
No visual defects	No visual defect	Major dead wood	All dead / absent

**Work**

Category	Action	Hours	Priority	Done
Fell	Fell to ground level	12:00	3 Months	No

## General Tree Assessment (Detailed)

**Tree ID: T641**      Unknown      **Tag:** 641      **Assessor:** Matthew Owen  
 --      **TPO:**      **Date:** 14-Jul-21

**Tree Comment:**  
**Survey Comment:** Fell Ivy covered dead stem near roadside boundary.

Details	Height	Spread	Stems	Ø	Maturity	Bat	Con Area	Prev Insp	Next Due	Condition
	3.8 m		1	430 mm	Dead		No	N/A	14-Jul-24	Dangerous
Observations	Root	Stem			Branch			Leaf/Bud		
	No visual defects	Ivy covered			Major dead wood			All dead / absent		
Work	Category	Action			Hours	Priority	Done			
	Fell	Fell to ground level			04:00	1 year	No			

**Tree ID: T644**      Apple      **Tag:** 644      **Assessor:** Matthew Owen  
*Malus Spp.*      **TPO:**      **Date:** 14-Jul-21

**Tree Comment:**  
**Survey Comment:** Reduce Apple to approx. 5m in height. Customer to raise soil level around root plate and mulch.

Details	Height	Spread	Stems	Ø	Maturity	Bat	Con Area	Prev Insp	Next Due	Condition
	8 m	5 m	1	300 mm	Mature		No	N/A	14-Jul-24	Poor
Observations	Root	Stem			Branch			Leaf/Bud		
	Trenching / excavations Damage to buttress roots Tree circles required	No visual defect			Minor dead wood Stubs			Small / sparse		
Work	Category	Action			Hours	Priority	Done			
	Pollard	Pollard to 5 m			06:00	2 Years	No			

## General Tree Assessment (Detailed)

**Tree ID: T638**

Norway Spruce  
*Picea abies*

**Tag:** 638

**TPO:**

**Assessor:** Matthew Owen

**Date:** 14-Jul-21

**Tree Comment:**

**Survey Comment:** Minor snapped out branch and deadwood in crown. No major risk. Customer wants tree removing due to excessive shading and tree being too large for location. Possible T.P.O. ? ABC powerline to south west edge of tree.

Details	Height	Spread	Stems	Ø	Maturity	Bat	Con Area	Prev Insp	Next Due	Condition
	17 m	4 m	1	650 mm	Mature		No	N/A	14-Jul-24	Fair
Observations	Root				Stem	Branch		Leaf/Bud		
	Increase in soil level				Bark wounds Old pruning wounds Bifurcated	Minor dead wood		Normal		
Work	Category				Action			Hours	Priority	Done
	Fell				Fell and replant space			32:00	5 Years	No

**Tree ID: T639**

Blue Gum  
*Eucalyptus globulus*

**Tag:** 639

**TPO:**

**Assessor:** Matthew Owen

**Date:** 14-Jul-21

**Tree Comment:**

**Survey Comment:** Tree unsuitable for location, replant space with more suitable ornamental species. Canopy growing through powerline and phone line.

Details	Height	Spread	Stems	Ø	Maturity	Bat	Con Area	Prev Insp	Next Due	Condition
	5 m	2 m	1	110 mm			No	N/A	14-Oct-22	Fair
Observations	Root				Stem	Branch		Leaf/Bud		
	No visual defects				No visual defect	No visual defects		Normal		
Work	Category				Action			Hours	Priority	Done
	Fell				Fell and replant space			02:00	5 Years	No



## General Tree Assessment (Detailed)

**Tree ID: T640**

Common Beech  
*Fagus sylvatica*

**Tag:** 640

**TPO:**

**Assessor:** Matthew Owen

**Date:** 14-Jul-21

**Tree Comment:**

**Survey Comment:** Young tree no visible defects. Tree roots and stem have potential to damage retaining wall over time. Long term fell and replant space.

Details	Height	Spread	Stems	Ø	Maturity	Bat	Con Area	Prev Insp	Next Due	Condition
	8.8 m	3 m	1	200 mm			No	N/A	14-Oct-22	Good
Observations	Root	Stem			Branch	Leaf/Bud				
	Soil heave	No visual defect			No visual defects	Normal				
Work	Category	Action			Hours	Priority	Done			
	Fell	Fell and replant space			02:00	5 Years	No			

**Tree ID: T643**

Common Beech  
*Fagus sylvatica*

**Tag:** 643

**TPO:**

**Assessor:** Matthew Owen

**Date:** 14-Jul-21

**Tree Comment:**

**Survey Comment:** Fell Beech due to location on retaining roadside wall.

Details	Height	Spread	Stems	Ø	Maturity	Bat	Con Area	Prev Insp	Next Due	Condition
	9.2 m	4 m	2	480 mm	Semi-mature		No	N/A	14-Jul-24	Fair
Observations	Root	Stem			Branch	Leaf/Bud				
	Soil heave	Cracked / included bark Ivy covered Tight union			Minor dead wood	Normal				
Work	Category	Action			Hours	Priority	Done			
	Fell	Fell and replant space			08:00	5 Years	No			

## General Tree Assessment (Detailed)

**Tree ID: T646**

Blue Gum  
*Eucalyptus globulus*

**Tag:** 646

**Assessor:** Matthew Owen

**TPO:**

**Date:** 14-Jul-21

**Tree Comment:**

**Survey Comment:** Fell Eucalyptus due to location by boundary fence.

Details	Height	Spread	Stems	Ø	Maturity	Bat	Con Area	Prev Insp	Next Due	Condition
	6 m	2 m	1	100 mm	Young		No	N/A	14-Jul-24	Fair
Observations	Root	Stem			Branch	Leaf/Bud				
	No visual defects	No visual defect			No visual defects	Normal				
Work	Category	Action			Hours	Priority	Done			
	Fell	Fell and replant space			03:00	5 Years	No			

## General Tree Assessment (Detailed)

### Report selection criteria.

Projects.

Hazeck

--->  
---> 1 year  
---> 2 Years  
---> 5 Years  
---> 3 Months

Date Range.

Any Date

Work types.

----> Fell :: Fell and replant space  
----> Fell :: Fell to ground level  
----> -No Selection Made-  
----> Pollard :: Pollard to 5 m

Latest Survey.

All surveys for the selected trees.  
---> Last survey for each selected tree.

Work Completed.

---> Work Completed  
---> Work Not Completed

**Number of trees in selected Project(s) 9**

**Number of trees in Report selection 9**

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### Tree Survey Action Analysis

#### Tree: T642

TagNo: 642

Silver Birch  
*Betula pendula*

Tree Comment:

Survey Comment: Dead Silver Birch - fell MEWP required

#### Action Recommendations:

		Hours	Done	Priority
Fell	Fell to ground level	12:00	No	3 Months

Total for Tree 12:00

#### Tree: T641

TagNo: 641

Unknown  
- -

Tree Comment:

Survey Comment: Fell Ivy covered dead stem near roadside boundary.

#### Action Recommendations:

		Hours	Done	Priority
Fell	Fell to ground level	04:00	No	1 year

Total for Tree 04:00

#### Tree: T644

TagNo: 644

Apple  
*Malus Spp.*

Tree Comment:

Survey Comment: Reduce Apple to approx. 5m in height. Customer to raise soil level around root plate and mulch.

#### Action Recommendations:

		Hours	Done	Priority
Pollard	Pollard to 5 m	06:00	No	2 Years

Total for Tree 06:00

## Tree Survey Action Analysis

**Tree: T638**

TagNo: 638

Norway Spruce  
*Picea abies*

Tree Comment:

Survey Comment: Minor snapped out branch and deadwood in crown. No major risk. Customer wants tree removing due to excessive shading and tree being too large for location. Possible T.P.O. ? ABC powerline to south west edge of tree.

Action Recommendations:	Hours	Done	Priority
Fell	32:00	No	5 Years

---

Total for Tree      32:00

**Tree: T639**

TagNo: 639

Blue Gum  
*Eucalyptus globulus*

Tree Comment:

Survey Comment: Tree unsuitable for location, replant space with more suitable ornamental species. Canopy growing through powerline and phone line.

Action Recommendations:	Hours	Done	Priority
Fell	02:00	No	5 Years

---

Total for Tree      02:00

**Tree: T640**

TagNo: 640

Common Beech  
*Fagus sylvatica*

Tree Comment:

Survey Comment: Young tree no visible defects. Tree roots and stem have potential to damage retaining wall over time. Long term fell and replant space.

Action Recommendations:	Hours	Done	Priority
Fell	02:00	No	5 Years

---

Total for Tree      02:00

**Tree: T643**

TagNo: 643

Common Beech  
*Fagus sylvatica*

Tree Comment:

Survey Comment: Fell Beech due to location on retaining roadside wall.

Action Recommendations:	Hours	Done	Priority
Fell	08:00	No	5 Years

---

Total for Tree      08:00

## Tree Survey Action Analysis

**Tree: T646**

TagNo: 646

Blue Gum

*Eucalyptus globulus*

Tree Comment:

Survey Comment: Fell Eucalyptus due to location by boundary fence.

**Action Recommendations:**

Fell

Fell and replant space

Hours Done

Priority

03:00 No

5 Years

---

Total for Tree

03:00

## Tree Survey Action Analysis

### Report selection criteria.

Projects.

Hazeck

Date Range.

Any Date

--->  
---> 1 year  
---> 2 Years  
---> 5 Years  
---> 3 Months

Work types.

----> Fell :: Fell and replant space  
----> Fell :: Fell to ground level  
----> -No Selection Made-  
----> Pollard :: Pollard to 5 m

Latest Survey.

All surveys for the selected trees.  
---> Last survey for each selected tree.

Work Completed.

---> Work Completed  
---> Work Not Completed

**Number of trees in selected Project(s)    9**  
**Number of trees in Report selection    8**

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**Tree Survey Re-Inspection Due Dates**

Tree Ref			Previous Insp	Re-Insp Due
<b>T645</b> 645	Common Ash	<i>Fraxinus excelsior</i>	14/07/2021	14/07/2024
<b>T642</b> 642	Silver Birch	<i>Betula pendula</i>	14/07/2021	14/07/2024
<b>T641</b> 641	Unknown	- -	14/07/2021	14/07/2024
<b>T644</b> 644	Apple	<i>Malus Spp.</i>	14/07/2021	14/07/2024
<b>T638</b> 638	Norway Spruce	<i>Picea abies</i>	14/07/2021	14/07/2024
<b>T639</b> 639	Blue Gum	<i>Eucalyptus globulus</i>	14/07/2021	14/10/2022
<b>T640</b> 640	Common Beech	<i>Fagus sylvatica</i>	14/07/2021	14/10/2022
<b>T643</b> 643	Common Beech	<i>Fagus sylvatica</i>	14/07/2021	14/07/2024
<b>T646</b> 646	Blue Gum	<i>Eucalyptus globulus</i>	14/07/2021	14/07/2024



## Report selection criteria.

- >
- > 1 year
- > 2 Years
- > 5 Years
- > 3 Months

Projects:

Hazeck

Date Range:

Any Date

Latest Survey?:

- All surveys for the selected trees.
- > Last survey for each selected tree.

Work Completed?:

- > Work Completed
- > Work Not Completed

Work types:

- > Fell :: Fell and replant space
- > Fell :: Fell to ground level
- > -No Selection Made-
- > Pollard :: Pollard to 5 m

**Number of trees in selected Project(s) 9**

**Number of trees in survey selection 9**