

# TREE 5

Giant Redwood

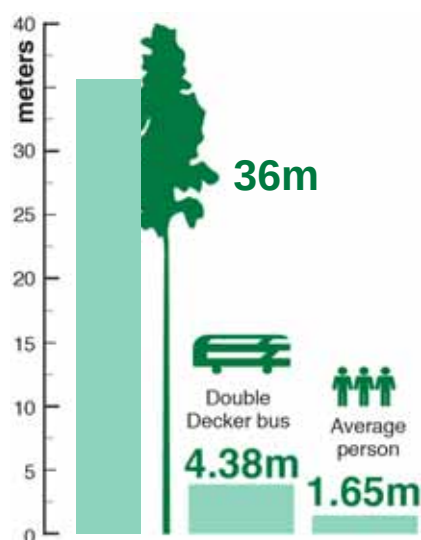
*Sequoiadendron giganteum*



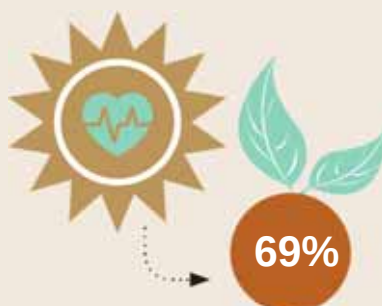
Site: Simons Wood  
Wellingtonia Avenue  
Finchampstead  
Surveyed by  
Mr. David Challice and  
Dr. Glynn Percival  
17/03/2020  
Our Ref: CC/2265 AR4252

## Tree 5 Survey Results

### Height of Tree



### Photosynthetic Efficiency



### CO<sub>2</sub> Sequestered Per Year



Sequesters 45.6 kg of CO<sub>2</sub>  
= 46 days of human CO<sub>2</sub>

### Water absorption/potential air cooling

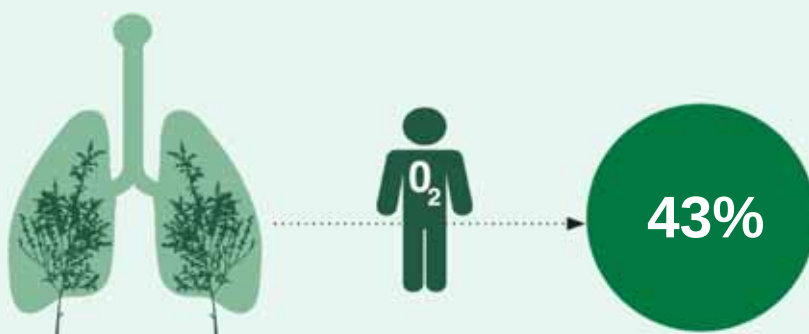
55.60 litres per hour which would fill  
10% of an Olympic swimming pool



### Oxygen produced per year

132.24kg

Oxygen produced by this tree is 43%  
of a human's requirements for a year



### Carbon storage in metric tonnes per year

3.4MT

The carbon would be in the atmosphere  
if not in the tree and the carbon  
produced by an average  
car exhaust per year = 4.5MT

What your tree is  
worth/CAVAT value

£395,862.00

## Tree 5 Data Results Continued

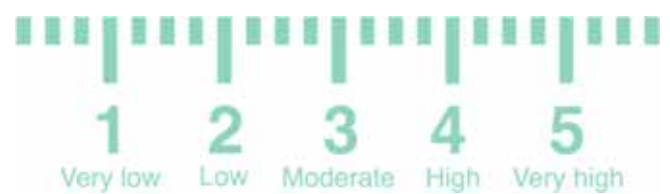
|                                                       |                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wokingham District Veteran Tree Association reference | 2490                                                                                                                                                                                                                                                             |
| TPO Yes/No                                            | Not covered.                                                                                                                                                                                                                                                     |
| Circumference (metres)                                | 5.8                                                                                                                                                                                                                                                              |
| Crown Spread N (metres)                               | 4                                                                                                                                                                                                                                                                |
| Crown Spread E (metres)                               | 7.2                                                                                                                                                                                                                                                              |
| Crown Spread S (metres)                               | 7                                                                                                                                                                                                                                                                |
| Crown Spread W (metres)                               | 6.5                                                                                                                                                                                                                                                              |
| Age                                                   | Mature                                                                                                                                                                                                                                                           |
| Shoots                                                | Normal for species and season.                                                                                                                                                                                                                                   |
| Crown Density                                         | 65%                                                                                                                                                                                                                                                              |
| Roots                                                 | Partially covered by hard surfacing with damage to surface rooting from vehicles. Bridleway has been moved and replaced with woodchip which has improved the rooting environment and tree longevity.                                                             |
| Stem Base                                             | Well buttressed and sound.                                                                                                                                                                                                                                       |
| Stem                                                  | Sound and clear of branches up to 5m.                                                                                                                                                                                                                            |
| Branches                                              | Dead and hanging limbs in crown up to 200mm in diameter.                                                                                                                                                                                                         |
| Management History                                    | Medium sized limb removal.                                                                                                                                                                                                                                       |
| Recommended Works                                     | Remove young trees within 10m radius to reduce competition. Apply 200mm of composted woodchip under the canopy to improve rooting environment and reduce competition from grass. Remove all deadwood over 25mm in diameter over the highway and car park access. |
| Work Priority                                         | Within 12 months of the survey date.                                                                                                                                                                                                                             |
| Pests Present                                         | None visible during inspection.                                                                                                                                                                                                                                  |
| Disease Present                                       | None visible during inspection.                                                                                                                                                                                                                                  |





## Tree 5 Tree Scale

|                        |   |
|------------------------|---|
| Wildlife Habitat Scale | 3 |
| Risk of Failure Scale  | 1 |
| Target Scale           | 2 |



## Tree 5 Location



For more information please contact:

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