

TREE 8

Giant Redwood

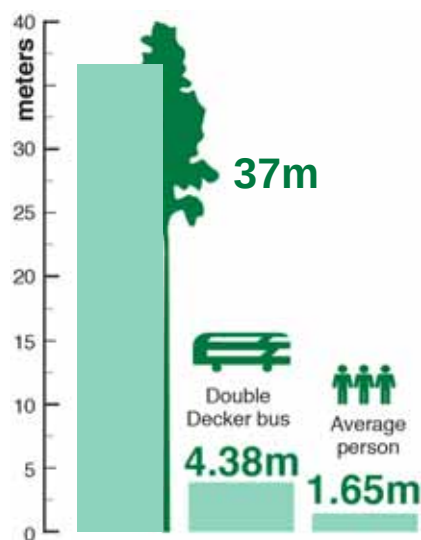
Sequoiadendron giganteum



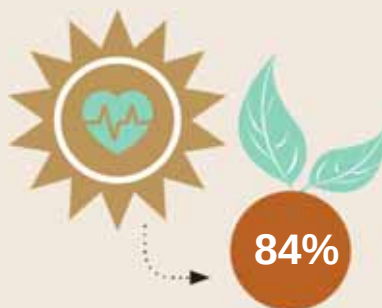
Site: Simons Wood
Wellingtonia Avenue
Finchampstead
Surveyed by
Mr. David Challice and
Dr. Glynn Percival
17/03/2020
Our Ref: CC/2265 AR4252

Tree 8 Survey Results

Height of Tree



Photosynthetic Efficiency



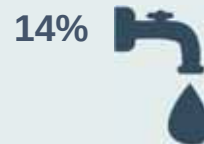
CO₂ Sequestered Per Year



Sequesters 50 kg of CO₂
= 50 days of human CO₂

Water absorption/potential air cooling

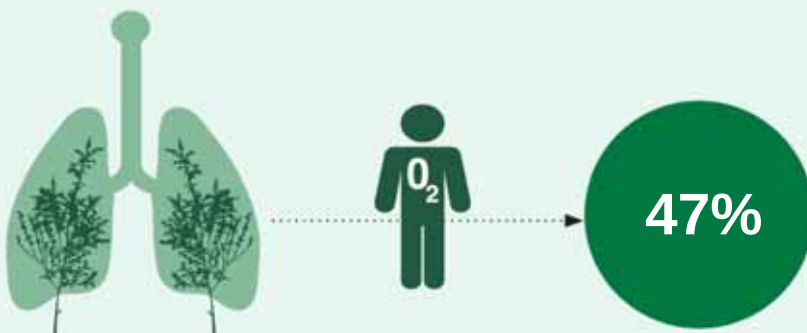
80.5 litres per hour which would fill
14% of an Olympic swimming pool



Oxygen produced per year

145kg

Oxygen produced by this tree is 47%
of a human's requirements for a year



Carbon storage in metric tonnes per year

3.8MT

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

£133,232

Tree 8 Data Results Continued

Wokingham District Veteran Tree Association reference	2486
TPO Yes/No	Not covered.
Circumference (metres)	6.0
Crown Spread N (metres)	6
Crown Spread E (metres)	6
Crown Spread S (metres)	7.2
Crown Spread W (metres)	6.5
Age	Mature
Shoots	Less than normal for species and season.
Crown Density	50%
Roots	Partially covered by hard surfacing, few visible. Competition from young Oak and Sweet Chestnut. 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 7m. The bark and root samples collected during the site visit on 17/03/2020 tested positive for the presence of Honey Fungus (<i>Armillaria mellea</i>).
Branches	Dead and hanging limbs in crown up to 150mm 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. Carry out soil tests to establish baseline soil data and carry out Trichoderma and soil nutrient adjustments following these results to control Honey Fungus and improve the rooting environment.
Work Priority	Within 12 months of the survey date.
Pests Present	None visible during inspection.
Disease Present	Honey Fungus (<i>Armillaria mellea</i>).



Tree 8 Tree Scale

Wildlife Habitat Scale	3
Risk of Failure Scale	2
Target Scale	2



Tree 8 Location



For more information please contact:

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