

Tree Report of
20868



Genus Samanea	Species saman	Common Name Hujan-hujan	Date of report 27th January, 2026
Address Jalan P11	Position 2.955997394551588, 101.67406455160523		



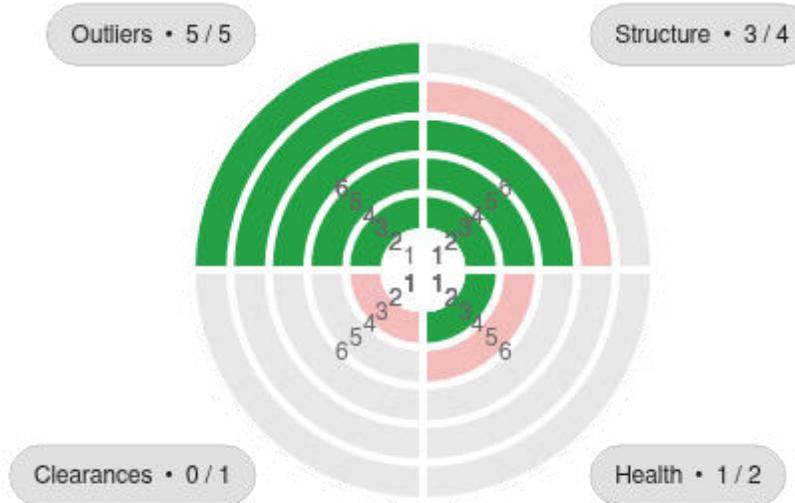
 Static map of tree location



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Structural assessment

- Trunk stability (base)
- Crown Lean Angle
- Slenderness
- Dieback

Health & Vitality

- Dieback
- Foliage Transparency

Clearances

- Road

Outliers

- DBH vs Leaf Area
- Height vs Crown Volume
- DBH vs Height
- Leaf Area vs Crown Volume
- DBH vs Crown Volume

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Dimensions

Total Height	Very high	18.18 m	Crown Spread	Very large	26.26 m
Trunk Height	Medium	2.4 m	Tree Protection Zone	Very large	9.19 m
DBH	Very large	0.77 m	Root Protection Zone	Very large	13.79 m
Crown Height	Very large	16.96 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Low	23.73	Crown Lean Angle	Medium	5.83 °
Trunk Stability Index		1.4	Trunk Lean Angle	Very high	7.62 °
Critical Wind Speed	80 kmh				

Limbs

Number of Limbs	-	Fork Types	-
Codominant Stems	-	Cross-sectional shape	-
Included Bark	-		

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Health and vitality

Condition & Vigor

Dieback	Low	1.53%	Foliage Transparency	32.83%
Basal Area Increment	-	Leaf Area	Very large	2,763.12 m ²
NDVI	-	Leaf Area Index	Medium	6.22

Foliage

Leaf Area Density	Low	0.47 m ² /m ³	Live Crown Ratio	Very high	93.33%
Crown Volume	Very large	5,900.04 m ³			

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Benefits

Water management

Avoided Water Runoff	Very high	1.47 m ³ /yr	Evaporation	Very high	25.9 m ³ /yr
Potential Evapotranspiration	Very high	159.9 m ³ /yr	Transpiration	Very high	30.67 m ³ /yr
Water Intercepted	Very high	26.07 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	1,584.49 kg	CO Removal	Very high	16.98 g/yr
Carbon Sequestration	Very high	125.61 kg/yr	NO ₂ Removal	Very high	67.08 g/yr
Oxygen Production	Very high	331.92 kg/yr	O ₃ Removal	Very high	808.46 g/yr
PM _{2.5} Removal	Very high	42.21 g/yr	SO ₂ Removal	Very high	144.73 g/yr

Economical value

Cavat Value	Very valuable	20,285.68 £
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Outlier information

Height / Crown Volume	No	Trunk Diameter / Height	No
Height / Leaf Area	No	Trunk Diameter / Leaf Area	No
Leaf Area Density Outlier	No	Overall Outlier Index	Low 0
Trunk Diameter / Crown Volume	No		

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Clearances

Building Clearance  Not available

Road Clearance  Issue(s) found

↳ Min. height clearance:	3.0 m
Obstruction (height):	0.0 m
Obstruction (volume):	1.9 m ³
Affected crown:	1.0%

Wire Clearance  Not available

Traffic Sign Clearance  Not available

Visibility Clearance  Not available

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