

Tree Report of 21349



Genus
Samanea

Species
saman


Common Name
Hujan-hujan

Date of report
27th January, 2026

Address
Jalan P11

Position
2.9547305387730916, 101.67438254695617



 Static map of tree location



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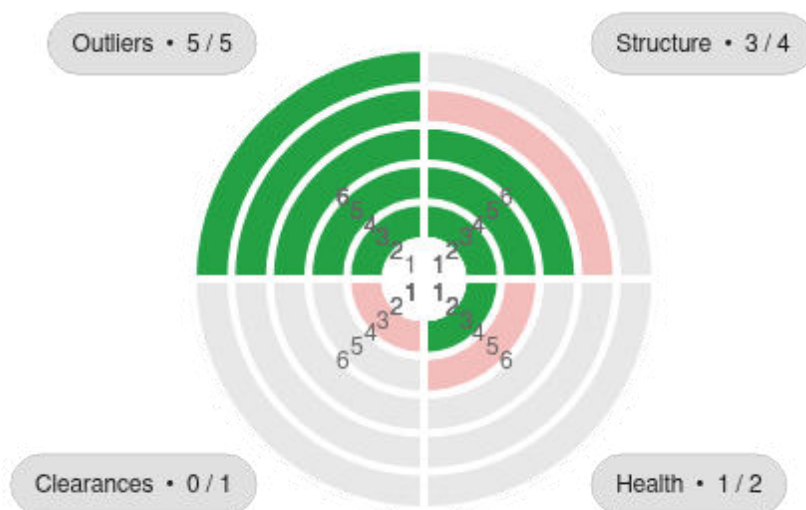
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Structural assessment

- ✗ 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	16.33 m	Crown Spread	Very large	30.03 m
Trunk Height	High	2.7 m	Tree Protection Zone	Very large	10.63 m
DBH	Very large	0.89 m	Root Protection Zone	Very large	15.94 m
Crown Height	Very large	13.13 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Low	18.45	Crown Lean Angle	Very high	26.22 °
Trunk Stability Index		2.86	Trunk Lean Angle	Very high	11.53 °
Critical Wind Speed		115 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	0.35%	Foliage Transparency	27.66%
Basal Area Increment	-		Leaf Area	Very large 3,480.76 m ²
NDVI	-		Leaf Area Index	Low 5.05

Foliage

Leaf Area Density	Low	0.55 m ² /m ³	Live Crown Ratio	High 80.39%
Crown Volume	Very large	6,400.4 m ³		

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Benefits

Water management

Avoided Water Runoff	Very high	1.52 m ³ /yr	Evaporation	Very high	26.64 m ³ /yr
Potential Evapotranspiration	Very high	164.48 m ³ /yr	Transpiration	Very high	31.55 m ³ /yr
Water Intercepted	Very high	26.82 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	2,331.13 kg	CO Removal	Very high	59.55 g/yr
Carbon Sequestration	Very high	159.77 kg/yr	NO ₂ Removal	Very high	235.37 g/yr
Oxygen Production	Very high	422.2 kg/yr	O ₃ Removal	Very high	2,836.88 g/yr
PM _{2.5} Removal	Very high	148.12 g/yr	SO ₂ Removal	Very high	507.83 g/yr

Economical value

Cavat Value **Very valuable** 27,162.06 £

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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:
Obstruction (height):
Obstruction (volume):
Affected crown:

3.3 m
0.0 m
0.5 m³
0.2%

Wire Clearance

⌵ Not available

Traffic Sign Clearance

⌵ Not available

Visibility Clearance

⌵ Not available

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