

Tree Report of 20654



Genus
Samanea

Species
saman


Common Name
Hujan-hujan

Date of report
27th January, 2026

Address
Jalan P11

Position
2.951161950038667, 101.67537473085115



 Static map of tree location



Tree Report of 20654



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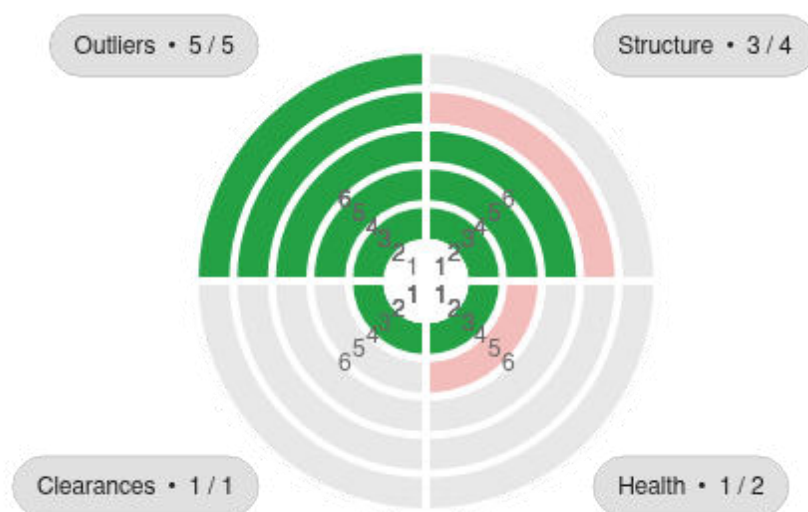
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Structural assessment

- ✗ 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	17.55 m	Crown Spread	Very large	27.75 m
Trunk Height	High	3.11 m	Tree Protection Zone	Very large	9.58 m
DBH	Very large	0.8 m	Root Protection Zone	Very large	14.37 m
Crown Height	Very large	15.3 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Low	21.99	Crown Lean Angle	High	8.03 °
Trunk Stability Index		1.56	Trunk Lean Angle	Very high	10.43 °
Critical Wind Speed		85 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	0.26%	Foliage Transparency	25.15%
Basal Area Increment	-		Leaf Area	Very large 2,736.45 m ²
NDVI	-		Leaf Area Index	Low 5.04

Foliage

Leaf Area Density	Low	0.58 m ² /m ³	Live Crown Ratio	Very high 87.19%
Crown Volume	Very large	4,794.83 m ³		

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Benefits

Water management

Avoided Water Runoff	Very high	1.61 m ³ /yr	Evaporation	Very high	28.24 m ³ /yr
Potential Evapotranspiration	Very high	174.33 m ³ /yr	Transpiration	Very high	33.44 m ³ /yr
Water Intercepted	Very high	28.42 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	1,692.39 kg	CO Removal	Medium	3.33 g/yr
Carbon Sequestration	Very high	131.38 kg/yr	NO ₂ Removal	Medium	13.16 g/yr
Oxygen Production	Very high	347.18 kg/yr	O ₃ Removal	Medium	158.55 g/yr
PM _{2.5} Removal	Medium	8.28 g/yr	SO ₂ Removal	Medium	28.39 g/yr

Economical value

Cavat Value **Very valuable** 21,416.05 £

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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

✓ No issue

Wire Clearance

⌵ Not available

Traffic Sign Clearance

⌵ Not available

Visibility Clearance

⌵ Not available

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