

Tree Report of
30853



Genus
Samanea

Species
saman

Common Name
Hujan-hujan

Date of report
27th January, 2026

Address
Jalan P11 K/6

Position
2.9483506278087077, 101.68020810812126



 Static map of tree location



Tree Report of 30853



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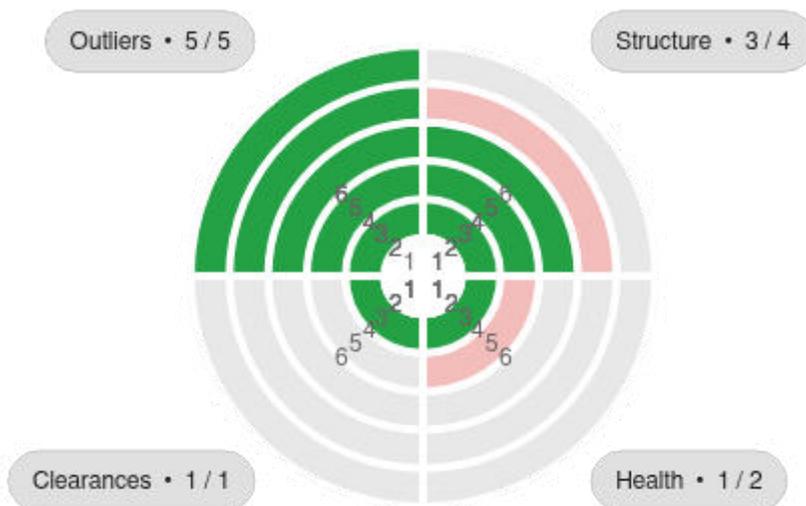
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Structural assessment

- ✗ 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	17.68 m	Crown Spread	Very large	17.06 m
Trunk Height	Very high	3.5 m	Tree Protection Zone	Very large	7.71 m
DBH	Very large	0.65 m	Root Protection Zone	Very large	11.56 m
Crown Height	Very large	12.77 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Low	27.55	Crown Lean Angle	High	7.63 °
Trunk Stability Index		1.54	Trunk Lean Angle	Very high	14.71 °
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	1.45%	Foliage Transparency	38.85%
Basal Area Increment	-	-	Leaf Area	Very large 738.68 m ²
NDVI	-	-	Leaf Area Index	Low 4.82

Foliage

Leaf Area Density	Low	0.45 m ² /m ³	Live Crown Ratio	High 72.18%
Crown Volume	Very large	1,667.43 m ³		

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Benefits

Water management

Avoided Water Runoff	Very high	0.63 m ³ /yr	Evaporation	Very high	10.94 m ³ /yr
Potential Evapotranspiration	Very high	67.52 m ³ /yr	Transpiration	Very high	12.95 m ³ /yr
Water Intercepted	Very high	11.01 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	1,280.64 kg	CO Removal	Very high	22.08 g/yr
Carbon Sequestration	Very high	67.96 kg/yr	NO ₂ Removal	Very high	87.27 g/yr
Oxygen Production	Very high	179.58 kg/yr	O ₃ Removal	Very high	1,051.85 g/yr
PM _{2.5} Removal	Very high	54.92 g/yr	SO ₂ Removal	Very high	188.29 g/yr

Economical value

Cavat Value **ery valuabl** 14,295.6 £

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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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