

Tree Report of
30867



Genus Khaya	Species senegalensis	Common Name Sengal khaya	Date of report 27th January, 2026
Address Jalan P11 K/6	Position 2.9482795571898635, 101.68010018855415		



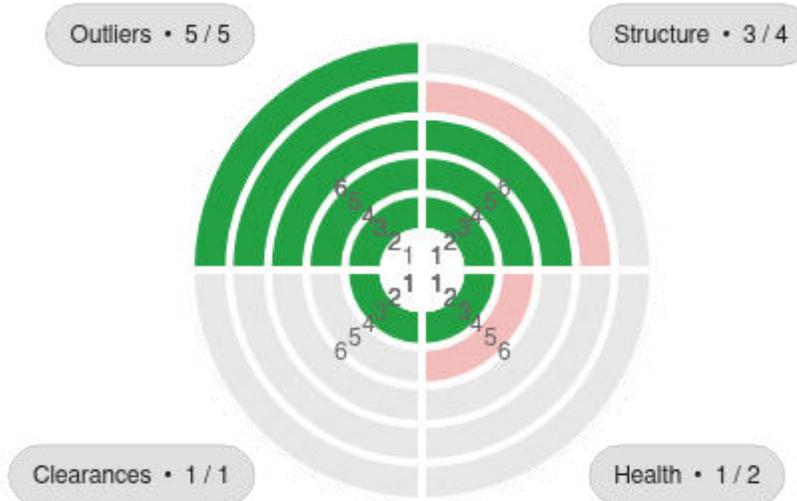
 Static map of tree location



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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	20.09 m	Crown Spread	Very large	10.53 m
Trunk Height	Very high	3.8 m	Tree Protection Zone	Very large	8.77 m
DBH	Very large	0.74 m	Root Protection Zone	Very large	13.16 m
Crown Height	Very large	16.22 m	Number Of Stems	Low	1

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Structural assessment

Stability

Slenderness	Low	27.48	Crown Lean Angle	High	9.4 °
Trunk Stability Index		2.05	Trunk Lean Angle	High	5.65 °
Critical Wind Speed	95 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%	Foliage Transparency	29.92%
Basal Area Increment	-	Leaf Area	Very large	1,279.31 m ²
NDVI	-	Leaf Area Index	Very high	15.32

Foliage

Leaf Area Density	Medium	1.35 m ² /m ³	Live Crown Ratio	High	80.73%
Crown Volume	Very large	949.21 m ³			

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Benefits

Water management

Avoided Water Runoff	Very high	0.24 m ³ /yr	Evaporation	Very high	4.17 m ³ /yr
Potential Evapotranspiration	Very high	25.73 m ³ /yr	Transpiration	Very high	4.94 m ³ /yr
Water Intercepted	Very high	4.2 m ³ /yr			

Ecosystem services

Carbon Storage	Very high	2,506.27 kg	CO Removal	Very high	9.32 g/yr
Carbon Sequestration	Very high	207.31 kg/yr	NO ₂ Removal	Very high	36.81 g/yr
Oxygen Production	Very high	547.82 kg/yr	O ₃ Removal	Very high	443.64 g/yr
PM _{2.5} Removal	Very high	23.17 g/yr	SO ₂ Removal	Very high	79.42 g/yr

Economical value

Cavat Value	Very valuable	18,550.7 £
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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	<input type="radio"/> Not available
Road Clearance	<input checked="" type="radio"/> No issue
Wire Clearance	<input type="radio"/> Not available
Traffic Sign Clearance	<input type="radio"/> Not available
Visibility Clearance	<input type="radio"/> Not available

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