TIPA ASSESSEMENT:

MT WOKOU, MACENTA PREFECTURE

ABSTRACT

Mt Wokou is the only known global location for the critically endangered species Loudetiopsis baldwinii (CR) and is under threat from quarrying.

Charlotte Couch and Martin Cheek

TIPA Assessment: Mt. Wokou, Macenta Prefecture.

IPA criteria under which the site qualifies: A(i), C(iii)

Assessed by: Charlotte Couch and Martin Cheek (RBG Kew)

IPA assessment rationale

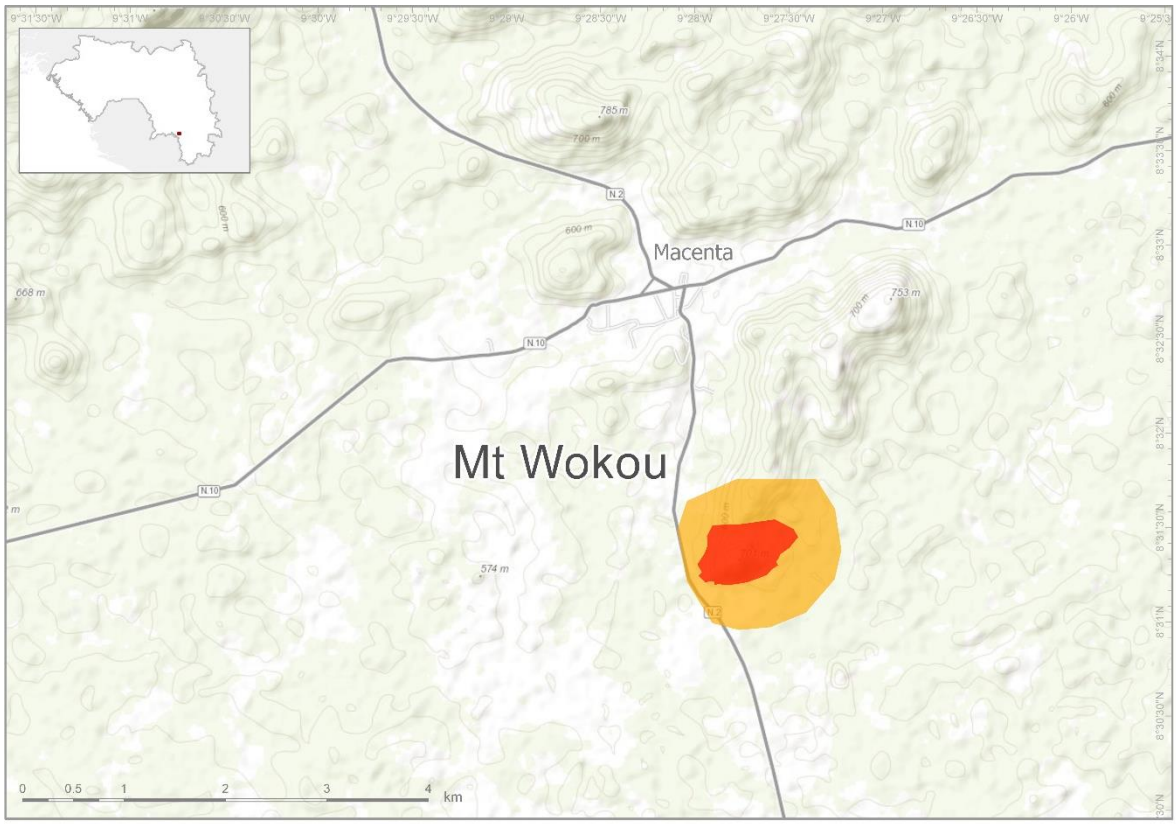
Mt Wokou is the only known global location for the critically endangered species *Loudetiopsis baldwinii* (CR) and is under threat from quarrying.

Site overview

Site Name: Mt Wokou	
Country: Republic of Guinea	Administrative region: Macenta Prefecture
Central co-ordinates: 08°31’18’’N, 09°27’47’’W	Area: 2 km^2
Altitude minimum: 540 m	Altitude maximum: 690 m

Site Description

Mt Wokou is a large granite inselberg located on the southern side of Macenta town, near the N1 road in Macenta Prefecture, Guinee Forestière. It is the largest inselberg in the area.



The proposed area for protection as a TIPA. Core area in red, buffer zone in yellow.

Botanical significance

The inselberg has one point endemic species *Loudetiopsis baldwinii*, which is Critically Endangered and several threatened species. The inselberg has not been surveyed comprehensively and it is likely that other interesting species will be found with more investigation.

General habitat and geology description

The inselberg is a result of a Mesozoic igneous intrusion into the surrounding older Archean metamorphic base rocks. It is part of a band on igneous intrusions, perhaps a sill or dyke which runs northeast-southwest into Sierra Leone.

Conservation issues

There is are granite quarries established on the southwestern and southeastern edge of the inselberg which poses a significant threat to the habitat.

Protected area status and Management

No protection is currently in place.

Threats

Mineral extraction: Granite quarrying is occurring on the south western and south eastern edges of the inselberg, destroying habitat.

Threat level: High

Criterion A: Threatened Species

			Site contains…					
Criterion A taxon present	IPA subcriterion	IUCN redlist assessment	**≥ 1% of global population**	**≥ 5% of national population**	**Is 1 of 5 best sites nationally**	Entire global population (single-site endemic)	Species is of socio-economic importance	*Abundance at site
Loudetiopsis baldwinii C.E.Hubb.	A(i)	CR	⊙	⊙	⊙	⊙		Unknown
Utricularia macrocheilos (P.Taylor) P.Taylor	A(i)	VU?	⊙					Unknown
Genlisea barthlottii S.Porembski, Eb.Fisch. & Gemmel	A(i)	VU	⊙					Unknown
Osbeckia praviantha Jacq.-Fél.	A(I)	VU	⊙	⊙	⊙			Unknown

Key: IUCN category: CR Critically Endangered, EN Endangered, VU Vulnerable. Abundance: Abundant, Common, Frequent, Infrequent, Scarce, Unknown

Criterion B: Botanical Richness

Insufficient information available to apply this criterion.

Criterion C: Threatened Habitat

			Site contains…		
*Habitat type	IPA subcriterion	IUCN redlist assessment	**≥ 5% of national resource (for C(i) and C(ii))**	**≥ 10% of national resource (for C(iii))**	Estimated area at site (if known)
Inselberg	C(iii)			⊙	2 km^2

Bibliography

IUCN Red List: www.redlist.org accessed Dec 2018

Couch, C; Magassouba, S; Rokni, S; Cheek, M. (2018) Threatened plants species of Guinea-Conakry: A preliminary checklist. PeerJ Preprints. https://doi.org/10.7287/peerj.preprints.3451v1

Site in pictures

Mt Wokou, Macenta, 2008. Photo: L. Pearce, ©RBG Kew.

Seepage area with *Utricularia* sp. Mt Wokou, Macenta, 2008. Photo: L. Pearce, ©RBG Kew.