

Plants

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Wolkberg Cycad

Taxonomy

Scientific Name	Encephalartos dolomiticus Lavranos & D.L.Goode
Higher Classification	Gymnosperms
Family	ZAMIACEAE
Synonyms	Encephalartos verrucosus Vorster, Robbertse & S.van der Westh.
Common Names	Broodboom (a), Cycad (e), Wolkberg Cycad (e), Wolkberg-broodboom (a)

National Status

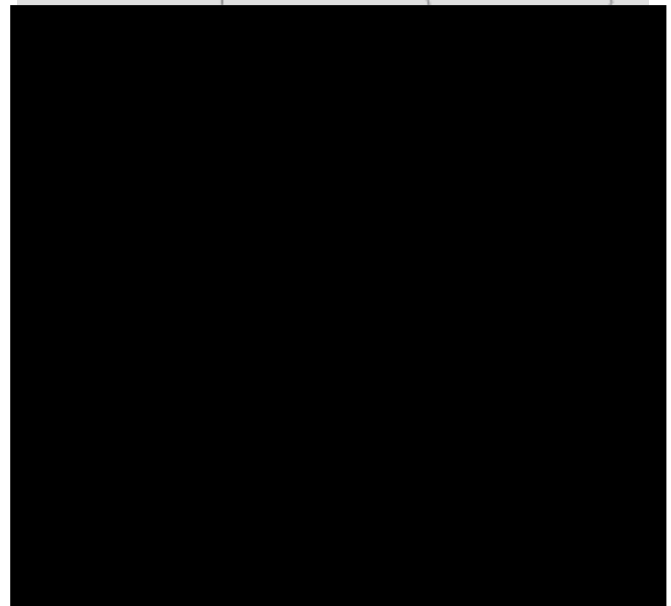
Status and Criteria	Critically Endangered A2d; C1
Assessment Date	2009/10/31
Assessor(s)	J.S. Donaldson
Justification	Based on numbers in collections and ongoing decline in the wild, it is estimated that >80% of the plants have been removed from the wild in the past 90 years (three generations). The small overall population size and predicted ongoing decline of $\pm 30\%$ over the next 30 years (one generation). The total remaining population is less than 250 plants.

Distribution

Endemism	South African endemic
Provincial distribution	Limpopo
Range	Sekhukhuneland.

Habitat and Ecology

Major system	Terrestrial
Major	Pong Dolomite Mountain



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habitats Bushveld, Wolkberg
Dolomite Grassland
Description Grassland, in shallow
soils on dolomite ridges.

Threats

Over collection and reproductive failure.

Population

During helicopter surveys, 158 plants were counted 1993 and 151 plants in 2004. The latter included 17 newly discovered plants and implies a decline from 158 to 134 plants (9% decline over 10 years). Based on numbers in collections and ongoing decline in the wild, it is estimated that >80% of the plants have been removed from the wild in the past 90 years (three generations).

Population trend Decreasing

Assessment History

Taxon assessed	Status and Criteria	Citation/Red List version
Encephalartos dolomiticus Lavranos & D.L.Goode	CR C1	Raimondo et al. (2009)
Encephalartos dolomiticus Lavranos & D.L.Goode	Endangered	Hilton-Taylor (1996)

Bibliography

Donaldson, J.S. 2003. Cycads. Status survey and conservation action plan. IUCN/SSC Cycad Specialist Group, Gland, Switzerland; Cambridge, UK.

Hilton-Taylor, C. 1996. Red data list of southern African plants. *Strelitzia* 4. South African National Botanical Institute, Pretoria.

Raimondo, D., von Staden, L., Foden, W., Victor, J.E., Helme, N.A., Turner, R.C., Kamundi, D.A. and Manyama, P.A. 2009. Red List of South African Plants. *Strelitzia* 25. South African National Biodiversity Institute, Pretoria.

Robbertse, P.J., Vorster, P. and Van der Westhuizen, S. 1988. *Encephalartos verrucosus* (Zamiaceae): a new species from the north-eastern Transvaal. *South African Journal of Botany* 54(5):487-490.

Vorster, P. 1992. Focus on *Encephalartos dolomiticus*. *Encephalartos* 30:3-7.

Citation

Donaldson, J.S. 2009. *Encephalartos dolomiticus* Lavranos & D.L.Goode. National Assessment: Red List of South African Plants version 2020.1. Accessed on 2021/10/15

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