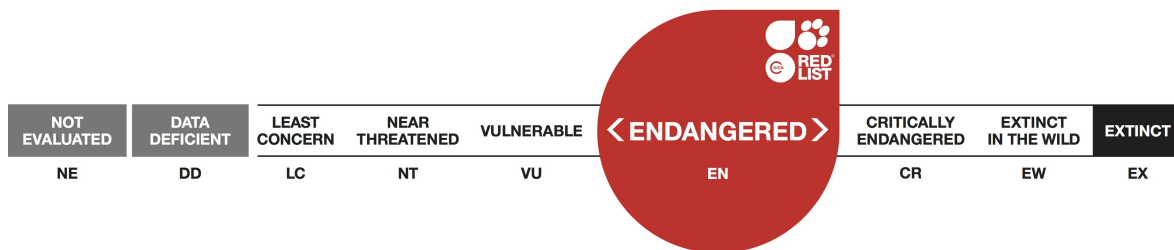


Caseolus calvus

Assessment by: Seddon, M.B.



View on www.iucnredlist.org

Citation: Seddon, M.B. 2013. *Caseolus calvus*. *The IUCN Red List of Threatened Species 2013*: e.T156860A5008499. <http://dx.doi.org/10.2305/IUCN.UK.2011-1.RLTS.T156860A5008499.en>

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Mollusca	Gastropoda	Stylommatophora	Hygromiidae

Taxon Name: *Caseolus calvus* (Lowe, 1831)

Synonym(s):

- *Lemniscia calva*

Assessment Information

Red List Category & Criteria: Endangered B1ab(iii)+2ab(iii) [ver 3.1](#)

Year Published: 2013

Date Assessed: September 20, 2010

Justification:

This species is very rare and localised, although survey work in the 1990's found new sites. Although much of its distribution falls within protected areas the impact of the fires in August 2010 may well have impacted this species, and as such surveys are urgently needed to review the status of this species. It is now considered as Endangered (EN) B1ab(iii)+2ab(iii).

The species was originally assessed under the name *Lemniscia calva* and was last assessed as Vulnerable, based on surveys in the late 1990's indicating a narrow range and potential threats. The species has been revised as a result of recent changes to the habitats.

Previously Published Red List Assessments

2000 – Vulnerable (VU)

1996 – Lower Risk/conservation dependent (LR/cd)

1994 – Rare (R)

Geographic Range

Range Description:

This species is endemic to the Madeiran islands. It is only found in the central part of Madeira, usually at intermediate to high elevations (from 600 m asl). It is found on the summit ridges around Pico Areiro and Pico Ruivo where it is uncommon (Seddon 2008).

Country Occurrence:

Native: Portugal (Madeira)

Distribution Map



Caseolus calvus

Range
■ Extant (resident)

Compiled by:
 IUCN



The boundaries and names shown and the designations used on this map do not imply any official endorsement, acceptance or opinion by IUCN.



Population

There is no recent data on population trends.

Current Population Trend: Unknown

Habitat and Ecology (see Appendix for additional information)

The species is found under stones on steep grassy slopes, amongst *Sempervivum* on crags at high elevations and in the litter of ledges and at the base of perpendicular crags

Systems: Terrestrial

Use and Trade

The species is not known to be utilised, although occasionally sold by shell collectors.

Threats (see Appendix for additional information)

As the habitats fall within protected areas, the threats in recent years have reduced, however the recent fires and storms have led to potential destabilisation of habitats.

Conservation Actions (see Appendix for additional information)

Much of its distribution falls within protected areas however, the fires in August 2010 may well have impacted this species, and as such surveys are urgently needed to review the status of this species. Seddon (2008) suggested the status should be Endangered B2ab(iii) (version 3.1).

Credits

Assessor(s): Seddon, M.B.

Reviewer(s): Cameron, R., Groh, K., Cuttelod, A. & Neubert, E.

Bibliography

IUCN. 2011. IUCN Red List of Threatened Species (ver. 2011.1). Available at: <http://www.iucnredlist.org>. (Accessed: 16 June 2011).

Citation

Seddon, M.B. 2013. *Caseolus calvus*. *The IUCN Red List of Threatened Species 2013*: e.T156860A5008499. <http://dx.doi.org/10.2305/IUCN.UK.2011-1.RLTS.T156860A5008499.en>

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External Resources

For [Images and External Links to Additional Information](#), please see the Red List website.

Appendix

Habitats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Habitat	Season	Suitability	Major Importance?
4. Grassland -> 4.4. Grassland - Temperate	-	Suitable	Yes

Threats

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Threat	Timing	Scope	Severity	Impact Score
7. Natural system modifications -> 7.1. Fire & fire suppression -> 7.1.1. Increase in fire frequency/intensity	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality		
11. Climate change & severe weather -> 11.4. Storms & flooding	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation		

Conservation Actions in Place

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Conservation Actions in Place
In-Place Land/Water Protection and Management
Occur in at least one PA: Yes

Research Needed

(<http://www.iucnredlist.org/technical-documents/classification-schemes>)

Research Needed
3. Monitoring -> 3.1. Population trends
3. Monitoring -> 3.4. Habitat trends

Additional Data Fields

Distribution
Estimated area of occupancy (AOO) (km ²): 16

Distribution
Estimated extent of occurrence (EOO) (km ²): 736
Number of Locations: 4
Habitats and Ecology
Continuing decline in area, extent and/or quality of habitat: Yes

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