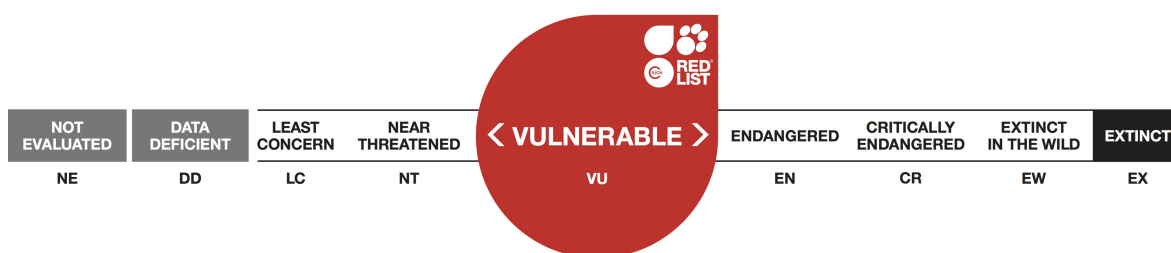


Leiostyla filicum

Assessment by: Seddon, M.B.



View on www.iucnredlist.org

Citation: Seddon, M.B. 2013. *Leiostyla filicum*. *The IUCN Red List of Threatened Species 2013*: e.T11465A3280959. <http://dx.doi.org/10.2305/IUCN.UK.2011-1.RLTS.T11465A3280959.en>

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Mollusca	Gastropoda	Stylommatophora	Lauriidae

Taxon Name: *Leiostyla filicum* Holyoak & Seddon, 1986

Assessment Information

Red List Category & Criteria: Vulnerable D2 [ver 3.1](#)

Year Published: 2013

Date Assessed: September 30, 2010

Justification:

Seddon (2008) listed the species as IUCN Vulnerable D2 (version 3.1). This species is only known from two closely adjacent localities, however, the laurisilva forests are protected in the Parque Natural da Madeira and hence the habitats are no longer declining in quality as they did late last century. The species may well be present at other inaccessible sites in this steep-sided valley. The major threat is disturbance to the damp microclimate in these deep ravines, by extraction of water feeding the rivers or through increased frequency of drought events. The species was previously listed as Vu D2, and the status has not changed.

Previously Published Red List Assessments

1996 – Vulnerable (VU)

1994 – Endangered (E)

Geographic Range

Range Description:

This species is endemic to Madeira, where it is known from two small tributary valleys on the north central part of the island (NMW collections and Coles collection) (Seddon 2008).

Country Occurrence:

Native: Portugal (Madeira)

Distribution Map



Leiostyla filicum

Range

■ Extant (resident)

Compiled by:
IUCN (International Union for Conservation of Nature)



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 population trend data, however it is believed to be stable, based on the lack of disturbance of the habitats.

Current Population Trend: Stable

Habitat and Ecology (see Appendix for additional information)

This species is found living on ferns or in the litter beneath ferns in moist places at intermediate elevations in the laurisilva zone (Seddon 2008). It is often found in the spray zone of large waterfalls.

Systems: Terrestrial

Use and Trade

This species is not used.

Threats (see Appendix for additional information)

The major threat is disturbance to the damp microclimate in these deep ravines, by extraction of water feeding the rivers or through increased frequency of drought events.

Conservation Actions (see Appendix for additional information)

This species is known from two closely adjacent localities, which lie in laurisilva forests that are protected in the Parque Natural da Madeira. No conservation action plan specifically for this species and habitat monitoring is recommended on the valley and the Caldeiro Verde, one site where the species is known.

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).

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Citation

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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?
1. Forest -> 1.4. Forest - Temperate	-	Suitable	Yes
0. Root -> 6. Rocky areas (eg. inland cliffs, mountain peaks)	-	Suitable	Yes

Threats

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

Threat	Timing	Scope	Severity	Impact Score
7. Natural system modifications -> 7.2. Dams & water management/use -> 7.2.4. Abstraction of surface water (unknown use)	Ongoing	Minority (50%)	Causing/could cause fluctuations	Low impact: 5
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.2. Species disturbance		
11. Climate change & severe weather -> 11.2. Droughts	Future	Unknown	Causing/could cause fluctuations	Unknown
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.2. Species disturbance		

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
Percentage of population protected by PAs (0-100): 100

Conservation Actions Needed

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

Conservation Actions Needed
2. Land/water management -> 2.1. Site/area management

Research Needed

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

Research Needed

3. Monitoring -> 3.4. Habitat trends

Additional Data Fields

Distribution

Estimated area of occupancy (AOO) (km ²): 6

Number of Locations: 2

Habitats and Ecology

Continuing decline in area, extent and/or quality of habitat: No
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