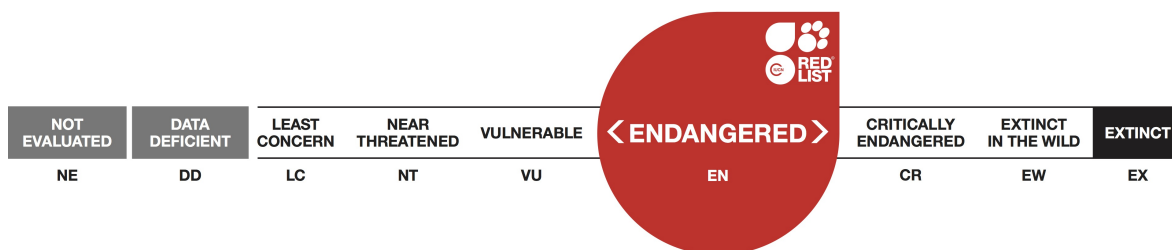


Leptaxis minor

Assessment by: Frias Martins, A.



View on www.iucnredlist.org

Citation: Frias Martins, A. 2013. *Leptaxis minor*. *The IUCN Red List of Threatened Species 2013*: e.T156987A5025738. <http://dx.doi.org/10.2305/IUCN.UK.2011-1.RLTS.T156987A5025738.en>

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Mollusca	Gastropoda	Stylommatophora	Hygromiidae

Taxon Name: *Leptaxis minor* Backhuys, 1975

Taxonomic Notes:

Morelet (1860) extended the range of *L. azorica* to Santa Maria as variety γ minor, which Backhuys (1975) elevated to subspecific level. van Riel *et al.* (2005), using molecular data, found evidence for specific separation of the populations from Santa Maria. Backhuys (1975) states the type locality as "Azores, Santa Maria, Ribeira Almagreira"; however, just after that statement, the author mentions the 2 specimens from Pico Alto as "paratypes". Ribeiro, Almagreira is at the footsteps of Pico Alto; for that reason, although confusing, this locality imprecision is not worth correcting.

Assessment Information

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

Year Published: 2013

Date Assessed: November 19, 2010

Justification:

The area from where *L. minor* has been recorded is small (extent of occurrence = 97 km²); although there is continuous forest, it is mostly secondary forest used for resources, which is liable to be cut down in the future. On the lower half of Pico Alto cattle affect the forest habitat through grazing and trampling, and may exclude the species from lower altitudes, further restricting its habitat. Therefore it has been assessed as Endangered (EN B1ab(iii)).

Geographic Range

Range Description:

This species is found on o the Pico Alto complex on Santa Maria island, Azores.

Country Occurrence:

Native: Portugal (Azores)

Distribution Map



Leptaxis minor

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

This species is restricted to the Pico Alto complex on Santa Maria island, where it is not commonly found; although it is more frequent at higher altitudes.

Current Population Trend: Unknown

Habitat and Ecology (see Appendix for additional information)

Leptaxis minor lives on the native vegetation at the top of Pico Alto, as well as in the secondary forests of *Cryptomeria*, *Pittosporum* and *Accacia* that cover most of the mountainous complex.

Systems: Terrestrial

Use and Trade

There is no use and trade information for this species.

Threats (see Appendix for additional information)

Leptaxis minor is relatively uncommon and highly restricted, but it has adapted to secondary forests where there is a thick undergrowth of *Hedychium*. However the secondary forest is liable to be cut down, and on the lower half of Pico Alto, there is cattle that is let to enter the forest of *Pittosporum*, thus destroying the habitat by grazing and trampling, excluding *L. minor* from lower altitudes, further restricting its habitat.

Conservation Actions (see Appendix for additional information)

Pico Alto is a protected area; however careful monitoring to avoid destruction of the habitat should be a priority.

Credits

Assessor(s): Frias Martins, A.

Reviewer(s): Neubert, E. & Cuttelod, A.

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Backhuys, W. 1975. *Land & Fresh-water Molluscs of the Azores*. Backhuys & Meesters, Amsterdam.

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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

Threats

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

Threat	Timing	Scope	Severity	Impact Score
2. Agriculture & aquaculture -> 2.3. Livestock farming & ranching -> 2.3.4. Scale Unknown/Unrecorded	Ongoing	Unknown	Unknown	Unknown
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.2. Species disturbance		
5. Biological resource use -> 5.3. Logging & wood harvesting -> 5.3.5. Motivation Unknown/Unrecorded	Future	Unknown	Unknown	Unknown
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 2. Species Stresses -> 2.1. Species mortality 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

Conservation Actions Needed

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

Conservation Actions Needed
5. Law & policy -> 5.4. Compliance and enforcement -> 5.4.4. Scale unspecified

Research Needed

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

Research Needed
3. Monitoring -> 3.4. Habitat trends

Additional Data Fields

Distribution
Estimated extent of occurrence (EOO) (km ²): 97
Number of Locations: 2
Lower elevation limit (m): 300
Upper elevation limit (m): 570
Population
Population severely fragmented: No

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