

## *Leptaxis groviana*

Assessment by: Seddon, M.B.



View on [www.iucnredlist.org](http://www.iucnredlist.org)

**Citation:** Seddon, M.B. 2013. *Leptaxis groviana*. *The IUCN Red List of Threatened Species 2013*: e.T156493A4953615. <http://dx.doi.org/10.2305/IUCN.UK.2011-1.RLTS.T156493A4953615.en>

**Copyright:** © 2015 International Union for Conservation of Nature and Natural Resources

*Reproduction of this publication for educational or other non-commercial purposes is authorized without prior written permission from the copyright holder provided the source is fully acknowledged.*

*Reproduction of this publication for resale, reposting or other commercial purposes is prohibited without prior written permission from the copyright holder. For further details see [Terms of Use](#).*

*The IUCN Red List of Threatened Species™ is produced and managed by the [IUCN Global Species Programme](#), the [IUCN Species Survival Commission \(SSC\)](#) and [The IUCN Red List Partnership](#). The IUCN Red List Partners are: [BirdLife International](#); [Botanic Gardens Conservation International](#); [Conservation International](#); [Microsoft](#); [NatureServe](#); [Royal Botanic Gardens, Kew](#); [Sapienza University of Rome](#); [Texas A&M University](#); [Wildscreen](#); and [Zoological Society of London](#).*

*If you see any errors or have any questions or suggestions on what is shown in this document, please provide us with [feedback](#) so that we can correct or extend the information provided.*

## Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Mollusca	Gastropoda	Stylommatophora	Hygromiidae

**Taxon Name:** *Leptaxis groviana* (A. Férussac, 1832)

### Taxonomic Notes:

Bank *et al.* (2002) list the species as *Helix (Helicogena) groviana* A. Férussac, 1832, on the basis that the name *L. undata* (Lowe) is preoccupied by *Helix undata* (Gmelin, 1791). However, Waldén (1983) noted the assertion by Cockerell (1922) that “*Helix groviana* Férussac” as a senior synonym of *undata* is unfounded; in his view the name is a misspelling of *H. groyana* Férussac 1821 which is a nomen nudum. Given the large number of papers that had used *L. undata* as the valid name since Cockerell (1922), Seddon (2008) continued to use *Leptaxis undata* (Lowe).

There are two island subspecies recognised, which Cameron and Cook (1999) treated as full species:

*Leptaxis groviana* leonina Lowe, 1852 Bugio

*Leptaxis groviana* vulcania Lowe, 1852 Deserta Grande and Chão

## Assessment Information

**Red List Category & Criteria:** Least Concern [ver 3.1](#)

**Year Published:** 2013

**Date Assessed:** September 30, 2010

### Justification:

The species is widely distributed and hence is not viewed as threatened, so it has been assessed as Least Concern (LC). Research to establish the status of the population on the Desertas would be useful to determine whether these subspecies merit full standing as distinct species.

*Leptaxis groviana leonina* Lowe, 1852 Cameron and Cook (1999) confirm that this taxon is still widespread on Bugio and treated it as a separate taxon. The populations on Bugio are range restricted and merit Vulnerable D2 (version 3.1), given changing habitats.

*Leptaxis groviana vulcania* Lowe, 1852 Cameron and Cook (1999) confirm that this taxon is still widespread on Deserta Grande and Chão and treated it as a separate taxon. The populations from Deserta Grande are also range restricted and in an area of habitat decline after grazing (Cameron and Cook 1999) and as such merit Vulnerable D2 (version 3.1).

## Geographic Range

### Range Description:

The species is found on Madeira and the Desertas (Seddon 2008). On Madeira, it is mainly found on the south and south-east coastal habitats and occasionally inland in valleys, and isolated locations on the north and western coasts, where it is often found in disturbed habitats (Seddon 2008, map 115, p.175).

There are two subspecies recognised from the Desertas, that merit further investigation:

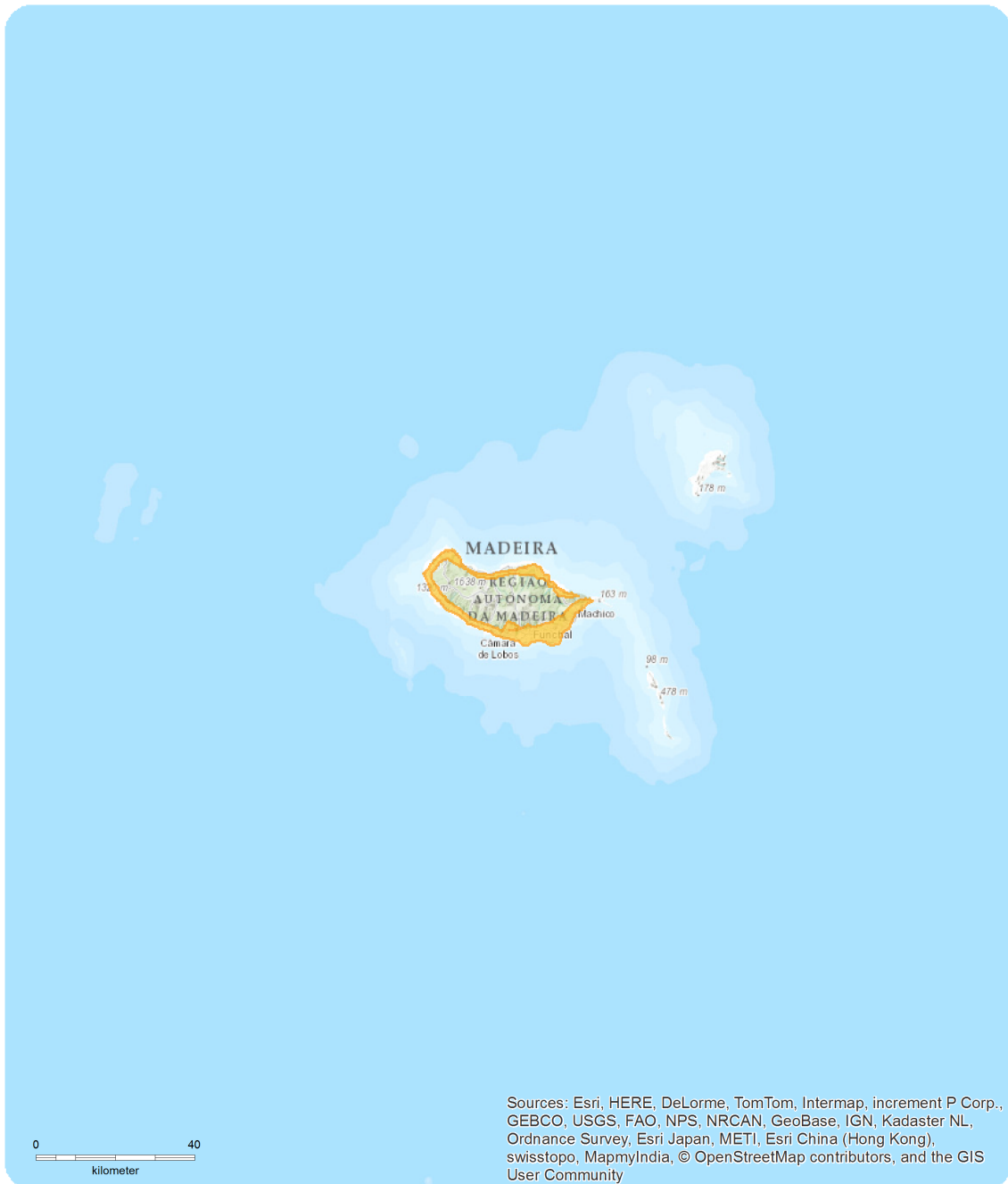
*Leptaxis groviana leonina* Lowe, 1852 Cameron and Cook (1999) confirm that this taxon is still widespread on Bugio.

*Leptaxis groviana vulcania* Lowe, 185 Cameron and Cook (1999) confirm that this taxon is still widespread on Deserta Grande and Chão.

**Country Occurrence:**

**Native:** Portugal (Madeira)

# Distribution Map



## *Leptaxis groviana*

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

The species can be common where there are suitable habitats, and appears to be stable.

**Current Population Trend:** Stable

## Habitat and Ecology (see Appendix for additional information)

This species is widespread; it is found on the underside of stones and amongst grasses in shaded and unshaded areas (Seddon 2008) and is tolerant of disturbance, as it is found in gardens and arable land.

**Systems:** Terrestrial

## Use and Trade

The species is not known to be traded, although it is occasionally offered for sale by shell dealers.

## Threats

There are localised threats to the species, from habitat loss related to increased tourism development and road construction it is not believed to be threatened over the range.

## Conservation Actions

The species is widely distributed and hence general conservation actions to maintain habitat will be beneficial to this species. Research to establish the status of the population on the Desertas would be useful to determine whether these merit full standing as distinct species.

## Credits

**Assessor(s):** Seddon, M.B.

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

## Bibliography

Bank, R.A., Groh, K. and Ripken, T.E. 2002. Catalogue and Bibliography of the non-marine Mollusca of Macronesia. In: M. Falkner, K. Grah and M.C.D. Speight (eds), *Collectanea Malacologica*, pp. 89-235.

Cameron, R.A.D. and Cook, L.M. 1999. Land snail faunas of the Deserta Islands, Madeiran archipelago, past and present. *Journal of Conchology, London* 36: 1-15.

Cockerell, T.D.A. 1922. The helicoid genus *Leptaxis* Lowe. *The Nautilus* 35: 101-103, plate 3.

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

Seddon, M.B. 2008. An illustrated compendium of the landsnails and slugs of the Madeiran archipelago. Studies in Biodiversity and Systematics of Terrestrial Organisms from the National Museum of Wales. Biotir Reports.

Walden, H.W. 1983. Systematic and biogeographical studies of the terrestrial Gastropoda of Madeira. With an annotated Check-list. *Annales Zoologica Fennica* 20: 255-275.

## Citation

Seddon, M.B. 2013. *Leptaxis groviana*. *The IUCN Red List of Threatened Species 2013*: e.T156493A4953615. <http://dx.doi.org/10.2305/IUCN.UK.2011-1.RLTS.T156493A4953615.en>

## Disclaimer

To make use of this information, please check the [Terms of Use](#).

## 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
14. Artificial/Terrestrial -> 14.1. Artificial/Terrestrial - Arable Land	-	Suitable	Yes
14. Artificial/Terrestrial -> 14.4. Artificial/Terrestrial - Rural Gardens	-	Suitable	Yes

### Research Needed

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

Research Needed
1. Research -> 1.1. Taxonomy

### Additional Data Fields

Distribution
Estimated extent of occurrence (EOO) (km <sup>2</sup> ): 900
Population
Population severely fragmented: No

## The IUCN Red List Partnership



The IUCN Red List of Threatened Species™ is produced and managed by the [IUCN Global Species Programme](#), the [IUCN Species Survival Commission \(SSC\)](#) and [The IUCN Red List Partnership](#). The IUCN Red List Partners are: [BirdLife International](#); [Botanic Gardens Conservation International](#); [Conservation International](#); [Microsoft](#); [NatureServe](#); [Royal Botanic Gardens, Kew](#); [Sapienza University of Rome](#); [Texas A&M University](#); [Wildscreen](#); and [Zoological Society of London](#).