

Leiostyla corneocostata, Madeiran Land Snail

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Mollusca	Gastropoda	Stylommatophora	Lauriidae

Taxon Name: *Leiostyla corneocostata* Wollaston, 1878

Common Name(s):

- English: Madeiran Land Snail

Assessment Information

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

Year Published: 2013

Date Assessed: September 30, 2010

Justification:

This species has an area of occupancy of six km² with some decline in quality of habitat on the main island following development for tourism, and these threats remain the major threats for one of the two location, which lies close to the beach. This suggests that the species merits the status of Vulnerable D2 on the basis of small range and limited habitat. The threats and the distribution remain the same as in 1996, and so the assessment has not changed.

Previously Published Red List Assessments

1996 – Vulnerable (VU)

1994 – Endangered (E)

1990 – Vulnerable (V)

1988 – Vulnerable (V)

1986 – Vulnerable (V)

1983 – Vulnerable (V)

Geographic Range

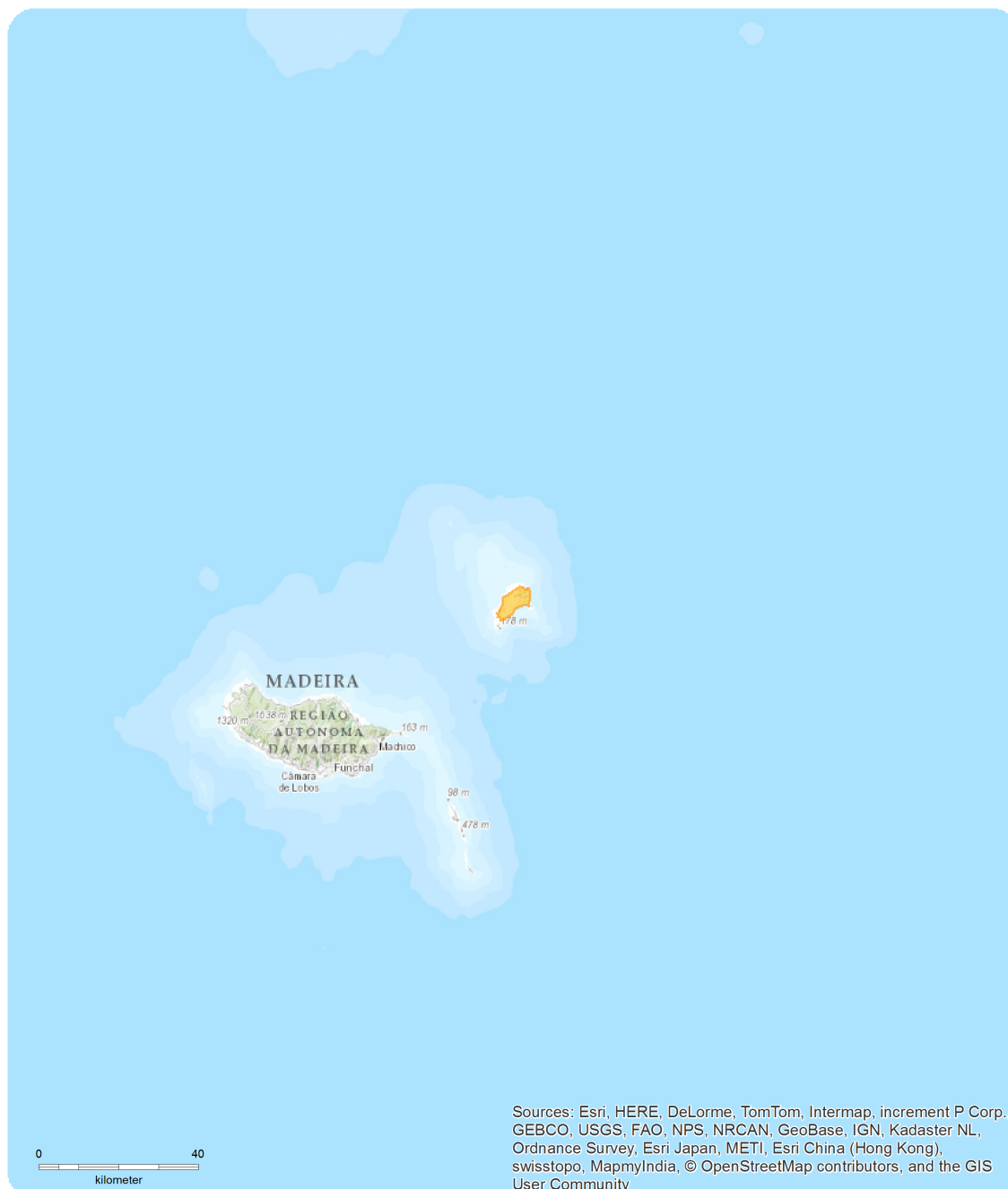
Range Description:

This species is endemic to Porto Santo, where it is only known from the south-west part of the mainland (Seddon 2008), a restricted area where it is found close to the coast.

Country Occurrence:

Native: Portugal (Madeira)

Distribution Map

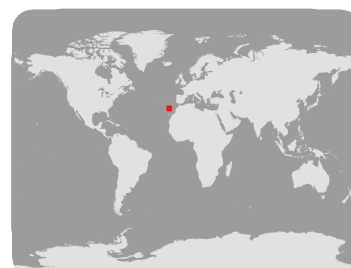


Leiostryla corneocostata

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

The species is currently thought to be stable.

Current Population Trend: Stable

Habitat and Ecology (see Appendix for additional information)

This species is found amongst vegetation on coastal slopes, especially on small crags and around rocks within the spray zone. It also occurs in fissures in the rocks.

Systems: Terrestrial

Use and Trade

This species is not used.

Threats (see Appendix for additional information)

The threats to the species lie in development of the sites where it lives for recreation and tourism (cafes, footpaths, hotels), as most sites lie at the end of the long beach that dominates the south coast of Porto Santo.

Conservation Actions (see Appendix for additional information)

This species is listed on the EU Habitats and Species Directive Annex II and the Council of Europe Bern Convention Appendix 2. There are no known actions for this species, and the habitats do not lie in a protected area, so it remains vulnerable to development of the site for tourism and infrastructure to support tourism in the region.

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).

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.

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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	-	Marginal	-
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
1. Residential & commercial development -> 1.3. Tourism & recreation areas	Ongoing	Majority (50-90%)	Rapid declines	Medium impact: 7
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 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: No
In-Place Education
Included in international legislation: Yes

Conservation Actions Needed

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

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

Additional Data Fields

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

Distribution
Number of Locations: 2

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