

# *Leiostyla simulator*

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## Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Mollusca	Gastropoda	Stylommatophora	Lauriidae

**Taxon Name:** *Leiostyla simulator* (Pilsbry, 1923)

## Assessment Information

**Red List Category & Criteria:** Critically Endangered (Possibly Extinct) D [ver 3.1](#)

**Year Published:** 2013

**Date Assessed:** August 31, 2010

### Justification:

This species was not listed in 1983 (Wells *et al.* 1983). Its status was reviewed in 1990 and it was thought to be threatened (Wells and Chatfield 1992). The first review placed the species as possibly Extinct, and in 1996 the species was placed as Critically Endangered (CR), following the category and criteria changes (version 2.3), as there was insufficient survey data to show it was extinct. However as noted above it has rarely been recorded in spite of all of the surveys undertaken between 1970 and 2005. It is also possible that the species is a rare form of *L. spinctostoma*, as the shells of this species are very variable. Seddon (2008) suggested that Data Deficient should be the assessments, as this species is very poorly known and is only known from little shell material in Museum collections. However, this species is currently considered as Critically Endangered, Possibly Extinct.

### Previously Published Red List Assessments

1996 – Critically Endangered (CR)

1994 – Extinct? (Ex?)

## Geographic Range

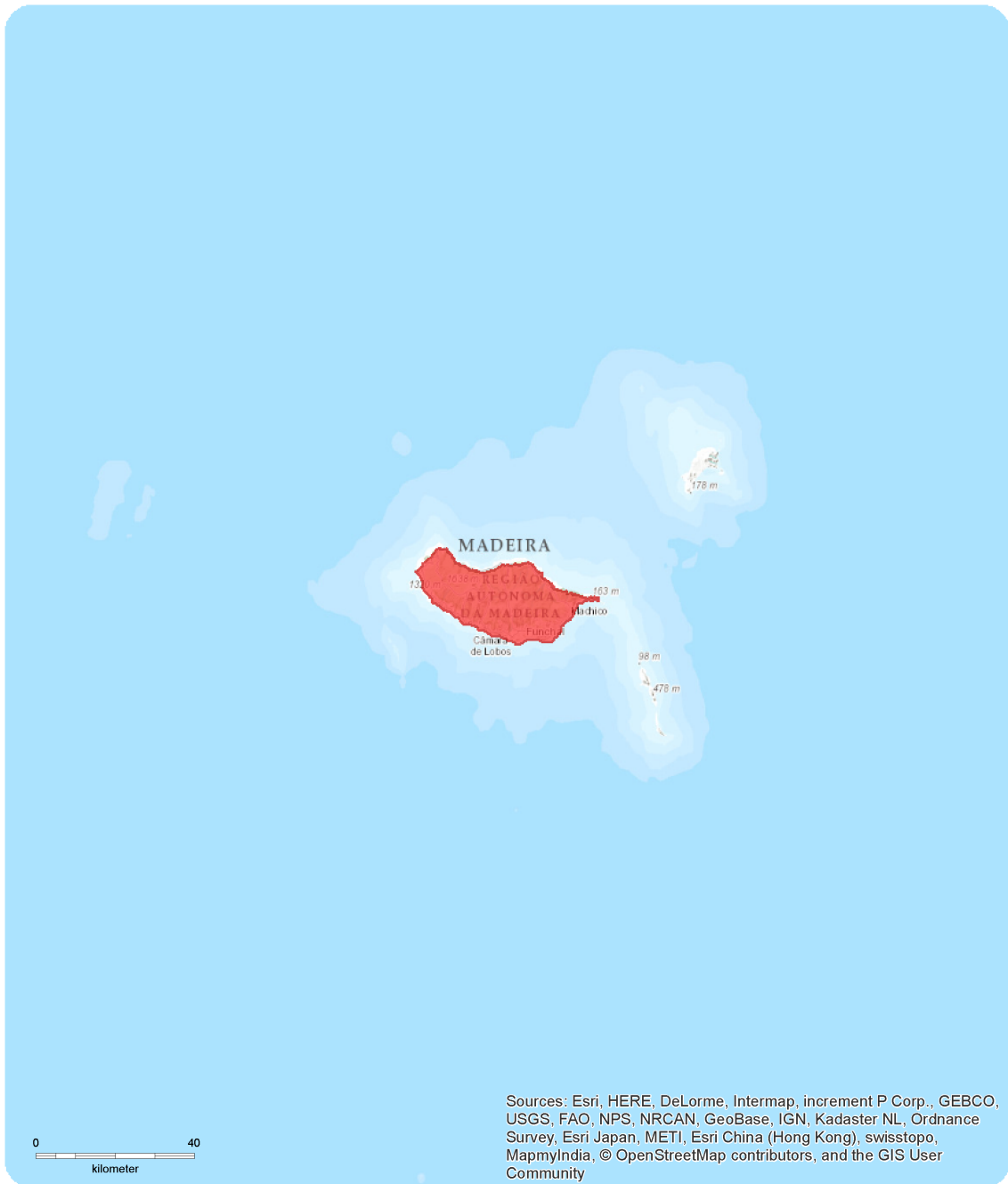
### Range Description:

This species is very poorly known from little shell material in Museum collections. There is no map for this species (Seddon 2008), as it was described from "Madeira".

### Country Occurrence:

**Possibly extinct:** Portugal (Madeira)

# Distribution Map

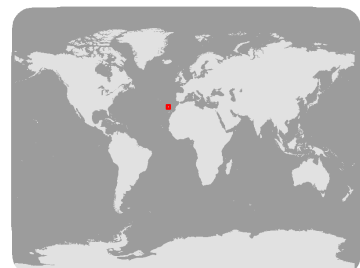


## *Leiostryla simulator*

Range

■ Possibly Extinct

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 very poorly known, there is no population trend data.

**Current Population Trend:** Unknown

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

This species is very poorly known, the habitats are uncertain, but likely to be rock crags and on rock ledges amongst leaf-litter.

**Systems:** Terrestrial

## Use and Trade

This species is not used.

## Threats

This species is very poorly known, so the threats are uncertain.

## Conservation Actions

This species is very poorly known, so there are no conservation actions in place, although it requires surveys based on the Museum collection material to establish status and then field surveys to relocate the range and hence establish populations and conservation status. This species was not listed in 1983 (Wells *et al.* 1983), and reviewed again in 1990 and thought to be threatened (Wells and Chatfield 1992).

## 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.

Wells, S.M. and Chatfield, J.E. 1992. *Threatened non-marine molluscs of Europe*. Nature and Environment (Council of Europe) No 64.

Wells, S.M., Pyle, R.M. and Collins, N.M. (compilers) 1983. *The IUCN Invertebrate Red Data Book*. IUCN, Gland, Switzerland and Cambridge, UK.

## 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?
0. Root -> 6. Rocky areas (eg. inland cliffs, mountain peaks)	-	Suitable	Yes

## Research Needed

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

Research Needed
1. Research -> 1.1. Taxonomy
1. Research -> 1.2. Population size, distribution & trends

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