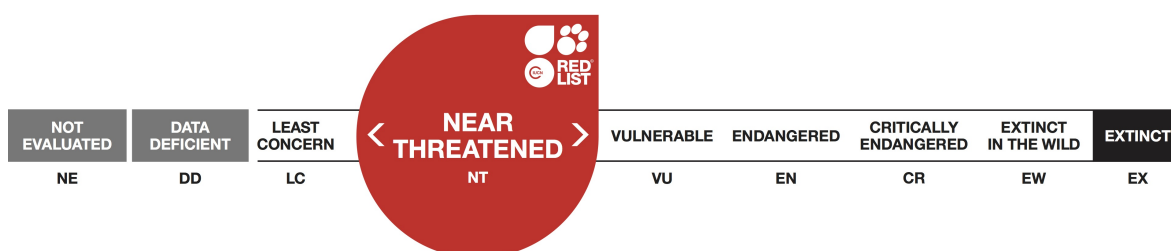


## *Leiostyla relevata*

Assessment by: Seddon, M.B.



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

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## Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Mollusca	Gastropoda	Stylommatophora	Lauriidae

**Taxon Name:** *Leiostyla relevata* (Wollaston, 1878)

## Assessment Information

**Red List Category & Criteria:** Near Threatened [ver 3.1](#)

**Year Published:** 2013

**Date Assessed:** August 31, 2010

### Justification:

This species is only known from a single site, on an offshore islet of Porto Santo. This species was previously assessed as Vulnerable D2, but has been downgraded to Near Threatened, as the location now lies in a protected area, where the habitats are only disturbed by occasional visitors. The most likely threat would be quarrying, however, as this is an offshore islet, this seems a remote threat. Conservation actions should include habitat monitoring for this species, and the other endemics on Ilhéu de Baixo.

### Previously Published Red List Assessments

2000 – Vulnerable (VU)

1996 – Vulnerable (VU)

1994 – Rare (R)

## Geographic Range

### Range Description:

This species is endemic to Porto Santo; it is only known from the Ilhéu de Baixo.

### Country Occurrence:

**Native:** Portugal (Madeira)

# Distribution Map

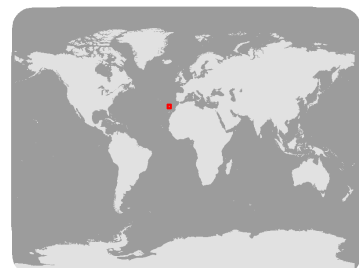


## *Leiostryla relevata*

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 population trend is uncertain, but is thought to be stable, as the islet has few visitors.

**Current Population Trend:** Stable

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

This species is reported from crevices of exposed rocks in the spray zone on the coastal cliffs on the island (Wollaston 1878).

**Systems:** Terrestrial

## Use and Trade

This species is not used.

## Threats (see Appendix for additional information)

The most likely threat would be quarrying, however, as this is an offshore islet, which is protected this seems a remote threat. Other threats probably includes increased frequency/intensity of fire given recent events on Madeira.

## Conservation Actions (see Appendix for additional information)

The main conservation measure is to continue the protection of the site, as this status has seen habitats protected from possible threats such as quarrying. Habitat monitoring for indication of population trends is also recommended.

## Credits

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

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

## Bibliography

Cameron, R.A.D., Cook, L.M. and Hallows, J.D. 1996. Land snails on Porto Santo: adaptive and non-adaptive radiation. *Philosophical Transactions of the Royal Society London, B* 351(1337): 309-327.

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

Wollaston, T.V. 1878 *Testacea Atlantica or the land and freshwater shells of Azores, Aderiras, Salvages, Canaries, Cape Verdes and Saint Helena*. London; Reeve.

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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

## Threats

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

Threat	Timing	Scope	Severity	Impact Score
3. Energy production & mining -> 3.2. Mining & quarrying	Future	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality		
7. Natural system modifications -> 7.1. Fire & fire suppression -> 7.1.1. Increase in fire frequency/intensity	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality		

## Conservation Actions Needed

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

Conservation Actions Needed
1. Land/water protection -> 1.1. Site/area protection

## 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 <sup>2</sup> ): 4

<b>Habitats and Ecology</b>
Continuing decline in area, extent and/or quality of habitat: No

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