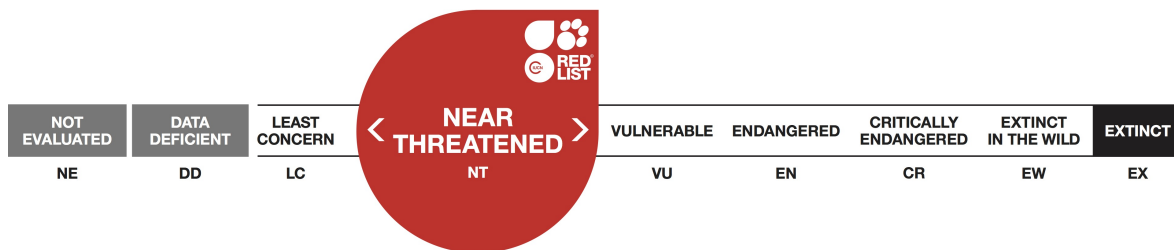


## *Discula cheiranthicola*

Assessment by: Seddon, M.B.



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

**Citation:** Seddon, M.B. 2013. *Discula cheiranthicola*. *The IUCN Red List of Threatened Species 2013*: e.T6726A12801062. <http://dx.doi.org/10.2305/IUCN.UK.2011-1.RLTS.T6726A12801062.en>

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## Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Mollusca	Gastropoda	Stylommatophora	Hygromiidae

**Taxon Name:** *Discula cheiranthicola* (R.T. Lowe, 1852)

## Assessment Information

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

**Year Published:** 2013

**Date Assessed:** August 31, 2010

### Justification:

The species is restricted to a single island, with an area of occupancy of less than 12 km<sup>2</sup>. It is known at 6-10 locations (14 sites) and most of the recent records are from slopes, hill-tops and ridges within small region at east end of Porto Santo suggesting that the species could be vulnerable to changes in land-use or extensive fire damage. The presence of some locations separated from the main cluster of locations has given the revised listing of Near Threatened. The rate of habitat decline is considered to be slow, so if this accelerates, then the species would qualify for Vulnerable (VU) B2ab(iii).

### Previously Published Red List Assessments

1996 – Vulnerable (VU)

1994 – Rare (R)

## Geographic Range

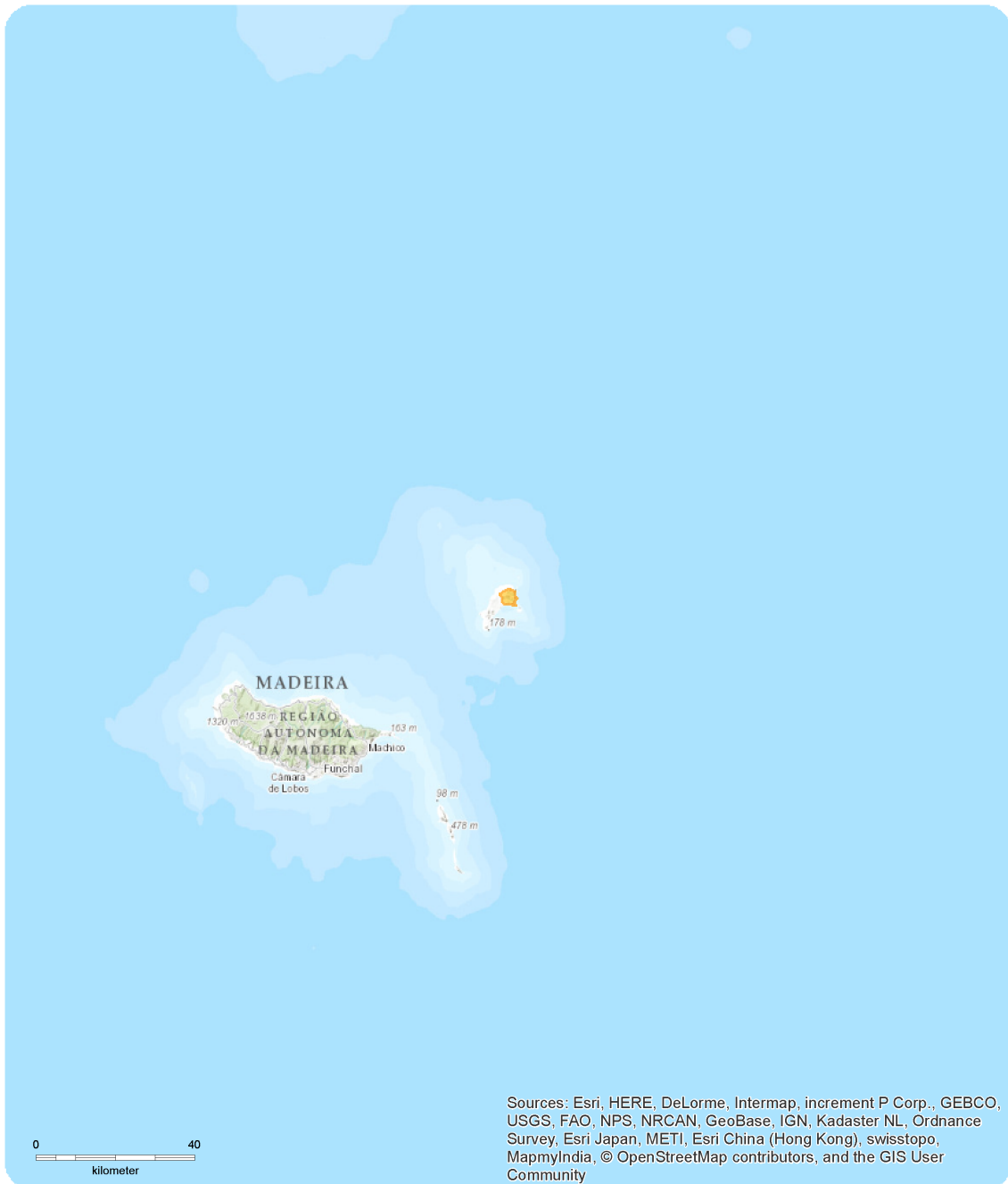
### Range Description:

This species is endemic to Porto Santo (Madeiran islands), and is also known as fossil on Ilheu de Baixo. It is present at 14 sites within a restricted area of occupancy of less than 12 km<sup>2</sup>.

### Country Occurrence:

**Native:** Portugal (Madeira)

# Distribution Map

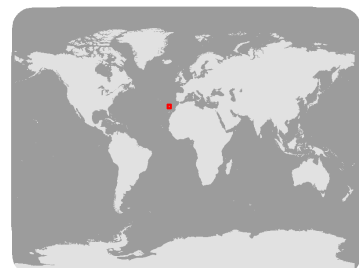


## *Discula cheiranthicola*

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

There are no data on recent population trends.

**Current Population Trend:** Unknown

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

This species is found in rock crevices, amongst stems of shrubby plants and under stones.

**Systems:** Terrestrial

## Use and Trade

The species is not known to be utilised, although occasionally sold by shell collectors.

## Threats (see Appendix for additional information)

The major threats are from grassland fires disturbing the habitat and killing off the adults within these populations.

## Conservation Actions (see Appendix for additional information)

The species range lies partly in a protected area on Porto Santo; further research required on population trends and impact of introduced rodents.

## Credits

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

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

## Bibliography

Groombridge, B. (ed.) 1994. *1994 IUCN Red List of Threatened Animals*. IUCN, Gland, Switzerland.

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.

## 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?
4. Grassland -> 4.4. Grassland - Temperate	-	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	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation		
7. Natural system modifications -> 7.1. Fire & fire suppression -> 7.1.1. Increase in fire frequency/intensity	Future	Majority (50-90%)	Rapid declines	Low impact: 5
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality		

### 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
2. Land/water management -> 2.2. Invasive/problematic species control

### Research Needed

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

Research Needed
1. Research -> 1.2. Population size, distribution & trends
3. Monitoring -> 3.4. Habitat trends

## Additional Data Fields

<b>Distribution</b>
Estimated area of occupancy (AOO) (km <sup>2</sup> ): 12
Number of Locations: 10

## The IUCN Red List Partnership



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