

## *Disculella madeirensis*

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**Citation:** Seddon, M.B. 2013. *Disculella madeirensis*. *The IUCN Red List of Threatened Species 2013*: e.T6732A12802234. <http://dx.doi.org/10.2305/IUCN.UK.2011-1.RLTS.T6732A12802234.en>

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## Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Mollusca	Gastropoda	Stylommatophora	Hygromiidae

**Taxon Name:** *Disculella madeirensis* (Wood, 1828)

### Synonym(s):

- *Disculella maderensis*

### Taxonomic Notes:

Waldén (1983) recognised two subspecies of *Disculella madeirensis*. Wollaston (1878) viewed both as distinct and separable species, although Lowe has obviously considered them to be conspecific. The two subspecies are not known to be found together at a site, but it seems possible that they are distinct species.

## Assessment Information

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

**Year Published:** 2013

**Date Assessed:** September 24, 2010

### Justification:

The species was originally assessed as Rare in the earlier Red Lists (1994), as it had a small area of occupancy, however detailed surveys in the 1980's showed that it was present in suitable habitats along the south coast of Madeira, and hence it was revised to Least Concern in subsequent revisions of the Red List categories and criteria (1996, 2000). It is now listed as Least Concern (LC).

The subspecies *Disculella madeirensis madeirensis* was considered by Seddon (2008) to be Least Concern (version 3.1) as it has an area of occupancy of c. 60 km<sup>2</sup>, but is known at over 16 sites along the coast. It is considered not to be threatened at present due to its presence in disturbed and undisturbed habitats of habitats, along the area of souther coast.

The subspecies *Disculella madeirensis taeniata* (Webb & Berthelot, 1833) is considered by Seddon (2008) to be Near Threatened (version 3.1) as it has an area of occupancy of c. 28 km<sup>2</sup>, and is known at over 9 sites along the coast, in a region that is less developed. It is considered not to be threatened at present due to the lack of decline in quality of habitat, however as it is more restricted it should be reviewed periodically in the event of development along the coast.

### Previously Published Red List Assessments

2000 – Lower Risk/least concern (LR/lc)

1996 – Lower Risk/least concern (LR/lc)

1994 – Rare (R)

## Geographic Range

### Range Description:

This species is endemic to the Madeiran islands; it is only known from Madeira, where it is widespread especially on the southern side at low elevations (Seddon 2008). The subspecies *D. m. taienata* is only known from the western region north of Ponto da Pargo to Paul do Mar (Seddon 2008).

### Country Occurrence:

**Native:** Portugal (Madeira)

# Distribution Map

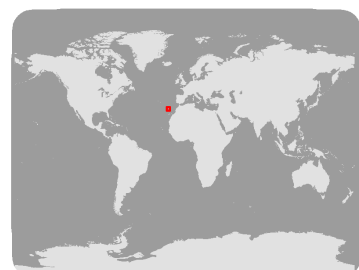


## *Disculella madeirensis*

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 is no detailed information on population trends, however the populations are believed to be stable.

**Current Population Trend:** Stable

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

This species is present in grassland, scrub and partly disturbed habitats, it is found on the underside of stones, on scree slopes and at the base of crags.

**Systems:** Terrestrial

## Use and Trade

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

## Threats

It is considered not to be threatened at present, but should be reviewed periodically in the event of loss of habitat due to residential, agricultural and industrial development along the coast.

## Conservation Actions

There are no conservation actions known specifically for this species and none considered necessary.

## Credits

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

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

**Contributor(s):** Abreu, C. & Teixeira, D.

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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?
3. Shrubland -> 3.4. Shrubland - Temperate	-	Suitable	Yes
4. Grassland -> 4.4. Grassland - Temperate	-	Suitable	Yes
0. Root -> 6. Rocky areas (eg. inland cliffs, mountain peaks)	-	Suitable	Yes
14. Artificial/Terrestrial -> 14.1. Artificial/Terrestrial - Arable Land	-	Suitable	Yes
14. Artificial/Terrestrial -> 14.2. Artificial/Terrestrial - Pastureland	-	Suitable	Yes
14. Artificial/Terrestrial -> 14.4. Artificial/Terrestrial - Rural Gardens	-	Suitable	Yes

## Additional Data Fields

<b>Distribution</b>
Estimated extent of occurrence (EOO) (km <sup>2</sup> ): 735
<b>Habitats and Ecology</b>
Continuing decline in area, extent and/or quality of habitat: No

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