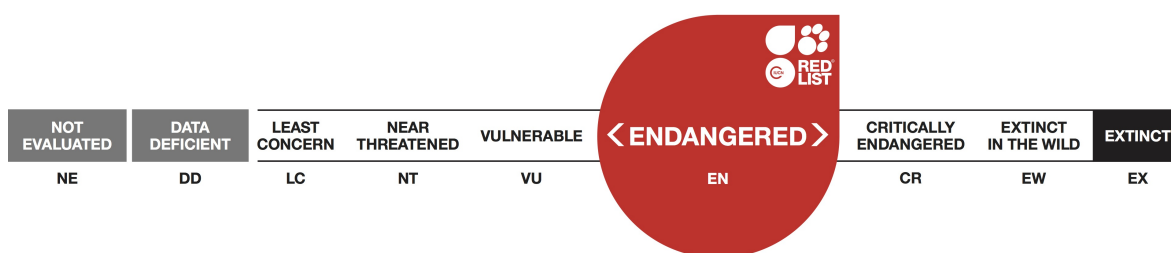


Discula pulvinata

Assessment by: Seddon, M.B.



View on www.iucnredlist.org

Citation: Seddon, M.B. 2013. *Discula pulvinata*. *The IUCN Red List of Threatened Species 2013*: e.T156531A4959988. <http://dx.doi.org/10.2305/IUCN.UK.2011-1.RLTS.T156531A4959988.en>

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Mollusca	Gastropoda	Stylommatophora	Hygromiidae

Taxon Name: *Discula pulvinata* (R.T. Lowe, 1831)

Assessment Information

Red List Category & Criteria: Endangered B2ab(iii) [ver 3.1](#)

Year Published: 2013

Date Assessed: August 31, 2010

Justification:

Seddon (2008) notes that the latest evaluation suggests this species meets the thresholds for Endangered B1ab(iii) (version 3.1). All recent records are only from the small region (3 km x 3 km) near Fonte de Areia on Porto Santo, just north of the airport strip. The habitats are sand dunes subject to wind erosion and recreational disturbance on the dunes. The species is listed as Endangered (EN) B1ab(iii) based on the current degree of disturbance at the site.

Geographic Range

Range Description:

This species is endemic to the Madeiran islands where it is found on Porto Santo (and adjacent rocks according to Wollaston 1878, p. 178) but it is localised to the area around Fonte de Areia (Seddon 2008).

Country Occurrence:

Native: Portugal (Madeira)

Distribution Map

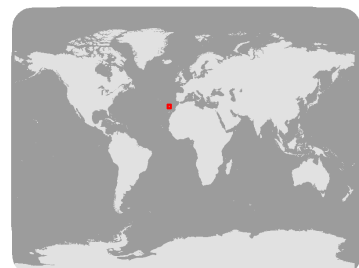


Discula pulvinata

Range
■ Extant (resident)

Compiled by:
 IUCN

NE DD LC NT VU **< EN >** CR EW EX
ENDANGERED



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 can be abundant where present.

Current Population Trend: Stable

Habitat and Ecology (see Appendix for additional information)

The habitats are vegetated stabilised sand dunes north of the airstrip.

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 habitats are sand dunes subject to wind erosion and recreational disturbance on the dunes.

Conservation Actions (see Appendix for additional information)

It is difficult to manage a dune ecosystem, but an area which is designated as "traffic-free" should be put in place to minimise the disturbance to the habitats, as trampling and dune-buggies are probably the greatest threats to the species (Groh, pers. comm., 2010). Thereafter habitat monitoring is required to ensure that the 'traffic free zone' has led to reduction of the disturbance of this site.

Credits

Assessor(s): Seddon, M.B.

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

Bibliography

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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.

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

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?
13. Marine Coastal/Supratidal -> 13.3. Marine Coastal/Supratidal - Coastal Sand Dunes	-	Suitable	Yes

Threats

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

Threat	Timing	Scope	Severity	Impact Score
6. Human intrusions & disturbance -> 6.1. Recreational activities	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation		
7. Natural system modifications -> 7.3. Other ecosystem modifications	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation		

Conservation Actions Needed

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

Conservation Actions Needed
1. Land/water protection -> 1.1. Site/area protection
2. Land/water management -> 2.1. Site/area management

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 ²): 9
Number of Locations: 5

Habitats and Ecology
Continuing decline in area, extent and/or quality of habitat: Yes

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