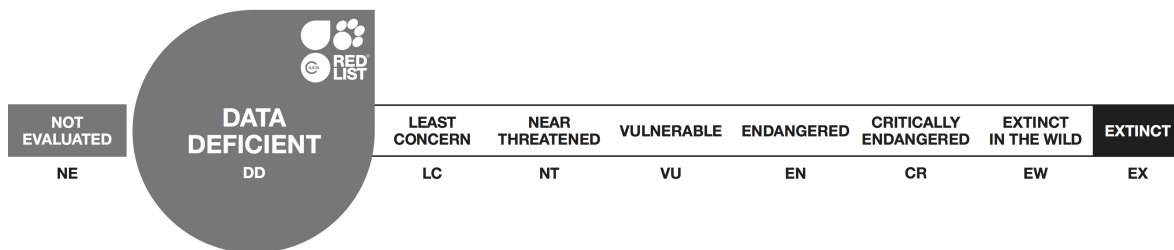


Amphorella intermedia

Assessment by: Teixeira, D.



View on www.iucnredlist.org

Citation: Teixeira, D. 2017. *Amphorella intermedia*. *The IUCN Red List of Threatened Species 2017*: e.T171325A1324496. <http://dx.doi.org/10.2305/IUCN.UK.2017-3.RLTS.T171325A1324496.en>

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Mollusca	Gastropoda	Stylommatophora	Ferussaciidae

Taxon Name: *Amphorella intermedia* (Wollaston, 1878)

Taxonomic Source(s):

Bank, R.A. 2017. Fauna Europaea Project: Checklist of the land and freshwater Gastropoda of Europe. Last update: February 18th, 2017. Fauna Europaea Project: http://www.nmbe.ch/sites/default/files/uploads/PDF_Upload/fauna_europaea_2017_03_16.pdf. Hoogezand.

Assessment Information

Red List Category & Criteria: Data Deficient [ver 3.1](#)

Year Published: 2017

Date Assessed: November 22, 2016

Justification:

The species is endemic to the Madeiran Islands, where it was originally found in 1878 on Deserta Grande and Bugio (Desertas Islands) and on the summit of Pico Branco. It has not been found at the original locations during recent surveys. As the species has not been found again since the 19th century, further research is needed to relocate the species and to define its distribution. At present, it is assessed as Data Deficient (DD).

Geographic Range

Range Description:

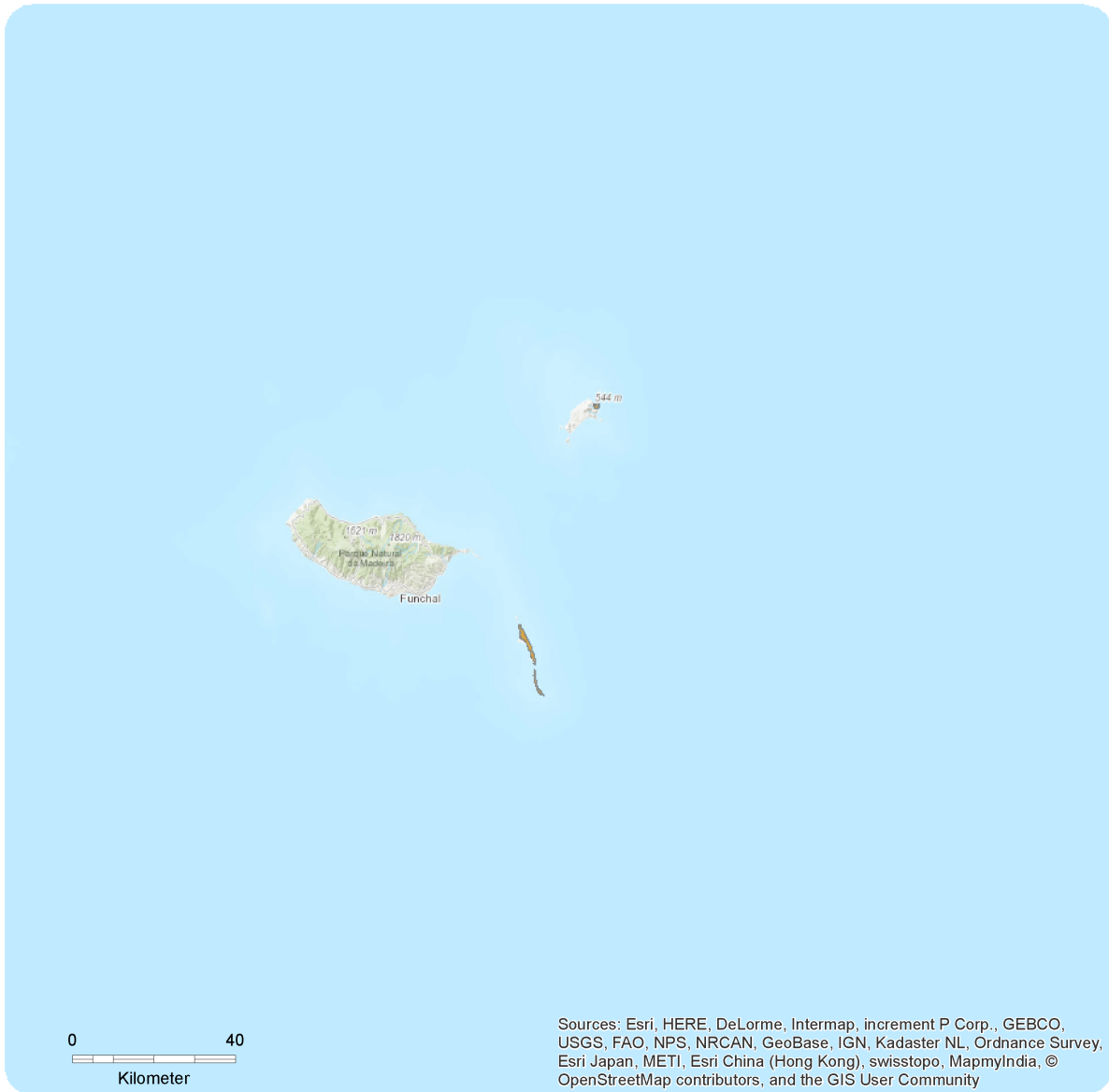
The species is considered to be endemic to the Madeiran Islands, where it was originally found in the 19th century on Deserta Grande and Bugio (Desertas Islands) and on Porto Santo Island (on the summit of Pico Branco) (Wollaston 1878, Seddon 2008). Extensive surveys on the Desertas Islands since 2008 have not refound the species, whilst surveys at the other known locality, Pico Branco, although less scrutinized during the last decade, have also failed to find the species (D. Teixeira pers. comm. 2017).

Country Occurrence:

Native: Portugal (Madeira)

Distribution Map

Amphorella intermedia

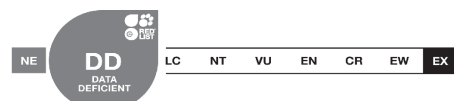


Range

Extant (resident)

Compiled by:

IUCN (International Union for Conservation of Nature)



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 has not been refound since it was described in the 19th century.

Current Population Trend: Unknown

Habitat and Ecology (see Appendix for additional information)

The species was found on exposed subaritime cliffs on the Desertas and Pico Branco (Wollaston 1878).

Systems: Terrestrial

Use and Trade

There is no known trade for this species.

Threats (see Appendix for additional information)

The main threats to the species are erosion and landslides on cliff areas and grazing by goats, which could potentially conduct to habitat degradation and loss. Climate change, in a form of continuous droughts for large periods of time, could also significantly affect the population of the species. Predation by invasive species such as mice (*Mus musculus*) is also one of the major threats to the species survival.

Conservation Actions (see Appendix for additional information)

The historical localities of this species are within two Natura 2000 SAC: Pico Branco and Desertas islands.

Credits

Assessor(s): Teixeira, D.

Reviewer(s): Cameron, R., Groh, K., Seddon, M.B. & Allen, D.J.

Bibliography

IUCN. 2017. The IUCN Red List of Threatened Species. Version 2017-3. Available at: www.iucnredlist.org. (Accessed: 7 December 2017).

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 2. National Museum of Wales, Cardiff.

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

Citation

Teixeira, D. 2017. *Amphorella intermedia*. *The IUCN Red List of Threatened Species 2017*: e.T171325A1324496. <http://dx.doi.org/10.2305/IUCN.UK.2017-3.RLTS.T171325A1324496.en>

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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
10. Geological events -> 10.3. Avalanches/landslides	Ongoing	Majority (50-90%)	Slow, significant declines	Medium impact: 6
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality 2. Species Stresses -> 2.2. Species disturbance		
11. Climate change & severe weather -> 11.1. Habitat shifting & alteration	Future	Whole (>90%)	Unknown	Unknown
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality 2. Species Stresses -> 2.2. Species disturbance		
11. Climate change & severe weather -> 11.3. Temperature extremes	Future	Whole (>90%)	Unknown	Unknown
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality 2. Species Stresses -> 2.2. Species disturbance 2. Species Stresses -> 2.3. Indirect species effects -> 2.3.7. Reduced reproductive success		
8. Invasive and other problematic species, genes & diseases -> 8.1. Invasive non-native/alien species/diseases -> 8.1.2. Named species (Mus musculus)	Ongoing	Whole (>90%)	Unknown	Unknown
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality 2. Species Stresses -> 2.2. Species disturbance		

Conservation Actions in Place

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

Conservation Actions in Place
In-Place Land/Water Protection and Management
Conservation sites identified: Yes, over entire range

Conservation Actions in Place
Occur in at least one PA: Unknown
Percentage of population protected by PAs (0-100): 91-100

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
1. Research -> 1.3. Life history & ecology
1. Research -> 1.5. Threats
3. Monitoring -> 3.1. Population trends
3. Monitoring -> 3.4. Habitat trends

Additional Data Fields

Distribution
Estimated extent of occurrence (EOO) (km ²): 736
Continuing decline in extent of occurrence (EOO): Unknown
Population
Continuing decline of mature individuals: Unknown
Extreme fluctuations: Unknown
Population severely fragmented: No
Habitats and Ecology
Continuing decline in area, extent and/or quality of habitat: Unknown

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