

Actinella littorinella

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Mollusca	Gastropoda	Stylommatophora	Hygromiidae

Taxon Name: *Actinella littorinella* (J. Mabilie, 1883)

Synonym(s):

- *Actinella effugiens*

Taxonomic Notes:

Walden (1983) created *Actinella (Plebecula) effugiens* nov. nom. for *Helix lurida* Lowe, 1831 (not C. Pfeiffer, 1828) but overlooked *Actinella (Plebecula) littorinella* (Mabilie, 1883) (Bank *et al.* 2002).

Assessment Information

Red List Category & Criteria: Vulnerable D2 [ver 3.1](#)

Year Published: 2013

Date Assessed: August 31, 2010

Justification:

This species has a restricted distribution. It is present in four areas, one protected site on Cima, but on the other three hills of eastern Porto Santo, it is localised with the grassland and is under pressure from grazing, tourist recreational activities and spread of *Theba pisana* and rodents. Based on the current distribution and the likely localised impact of the threats, it is listed as Vulnerable (VU) D2. However, on the longer term, the establishment of protected areas on Porto Santo may lead to relisting this species as Near Threatened if the increased protection for the habitats is successful. Recommended conservation actions include management of the protected areas for maintenance of the species and monitoring of the protected areas to ensure no loss of further habitat and subpopulations.

Previously Published Red List Assessments

2000 – Vulnerable (VU)

1996 – Vulnerable (VU)

1994 – Endangered (E)

1994 – Endangered (E)

Geographic Range

Range Description:

This species is endemic to the Madeiran islands, where it is only found on Porto Santo and on one offshore islet (Seddon 2008). The species is locally distributed over the eastern part of the island and on the Ilheu de Baixo, with a total area of occupancy of 12 km² in four hillslope areas (Seddon 2008).

Country Occurrence:

Native: Portugal (Madeira)

Distribution Map

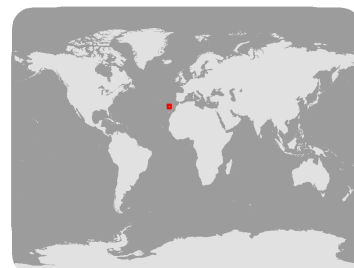


Actinella littorinella

Range
■ Extant (resident)

Compiled by:
 IUCN

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



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 a localised distribution, but can be frequently encountered at sites. However, it is never abundant.

Current Population Trend: Unknown

Habitat and Ecology (see Appendix for additional information)

This is a ground-dwelling species which is usually found on grassland areas, under stones and in rocky places.

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)

Seddon (2008) lists the major threats as habitat disturbance as the species occurs within a small part of the island and on one offshore islet. The potential causes are changes in land-use from agriculture, loss of grassland for urbanisation and tourism and possible impact of competition with *Theba pisana*.

Conservation Actions (see Appendix for additional information)

This species occurs in at least one protected area. Given that the species occurs within a small part of the island and on one offshore islet and the threats include changes in land-use from agriculture, loss of grassland for urbanisation and tourism and possible impact of competition with *Theba pisana* recommended conservation actions include management of the protected areas for maintenance of the species and monitoring of the protected areas to ensure no loss of further habitat and subpopulations.

Credits

Assessor(s): Seddon, M.B.

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

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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
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
1. Residential & commercial development -> 1.3. Tourism & recreation areas	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation		
2. Agriculture & aquaculture -> 2.3. Livestock farming & ranching -> 2.3.4. Scale Unknown/Unrecorded	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation		
8. Invasive & other problematic species & genes -> 8.1. Invasive non-native/alien species -> 8.1.2. Named species (Theba pisana)	Ongoing	-	-	-
	Stresses:	2. Species Stresses -> 2.3. Indirect species effects -> 2.3.2. Competition		

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
Percentage of population protected by PAs (0-100): 40-50

Conservation Actions Needed

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

Conservation Actions Needed
2. Land/water management -> 2.1. Site/area management
2. Land/water management -> 2.2. Invasive/problematic species control

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): 12
Number of Locations: 4
Habitats and Ecology
Continuing decline in area, extent and/or quality of habitat: No

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