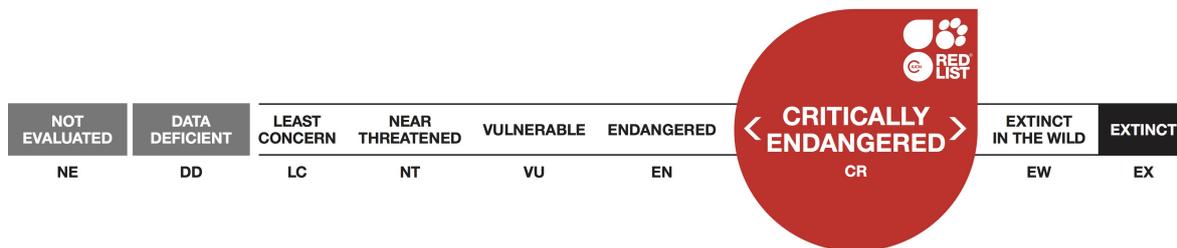


Plutonia reticulata

Assessment by: Groh, K. & Alonso, R.



View on www.iucnredlist.org

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Mollusca	Gastropoda	Stylommatophora	Vitrinidae

Taxon Name: *Plutonia reticulata* Mousson, 1872

Synonym(s):

- *Insulivitrina reticulata*

Taxonomic Notes:

The family Vitrinidae in the Canary Islands have been treated by Valido *et al.* (1999).

Assessment Information

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

Year Published: 2013

Date Assessed: September 29, 2010

Justification:

This species is endemic to Tenerife where it is found on the southern slope of the Anaga Mountains. It is found in two sites within 3 km² that can be impacted both at the same time by several threats, such as fires or future encroachment of the city (the site lies on the edge of Santa Cruz), hence the species is assessed as Critically Endangered (CR) B2ab(iii).

Previously Published Red List Assessments

1996 – Endangered (EN)

1994 – Vulnerable (V)

1990 – Endangered (E)

Geographic Range

Range Description:

This species is endemic to Tenerife where it is found on the southern slope of the Anaga Mountains.

Country Occurrence:

Native: Spain (Canary Is.)

Distribution Map



Plutonia reticulata

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 the population size or trend.

Current Population Trend: Unknown

Habitat and Ecology (see Appendix for additional information)

This species occurs in the "piso basal", typical lowland vegetation on Canaries.

Systems: Terrestrial

Use and Trade

This species is not used.

Threats (see Appendix for additional information)

Future threat are related to the encroachment of urban development as the site lies on the edge of Santa Cruz (within 200 m of the limit of urbanisation) (Moliner Gomez *et al.* 2001).

Conservation Actions (see Appendix for additional information)

Both Valido *et al.* (1999) and Moliner Gomez *et al.* (2001) suggest this species is Endangered. This species is included as Vulnerable B2ab(iii) on the Red List of Spain (Verdu and Galante 2006). Part of the site lies in a protected area, however most of the habitat is not protected and hence the protected area needs to be extended to cover the entire habitat of this species. In addition long-term monitoring is required for the species.

Credits

Assessor(s): Groh, K. & Alonso, R.

Reviewer(s): Neubert, E., Gómez, B., Seddon, M.B. & 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?
3. Shrubland -> 3.4. Shrubland - Temperate	-	Suitable	Yes

Threats

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

Threat	Timing	Scope	Severity	Impact Score
1. Residential & commercial development -> 1.1. Housing & urban areas	Future	Majority (50-90%)	Rapid declines	Low impact: 5
	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		

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): 10

Conservation Actions Needed

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

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

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): 4
Number of Locations: 1
Population
Population severely fragmented: No
Habitats and Ecology
Continuing decline in area, extent and/or quality of habitat: Yes

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