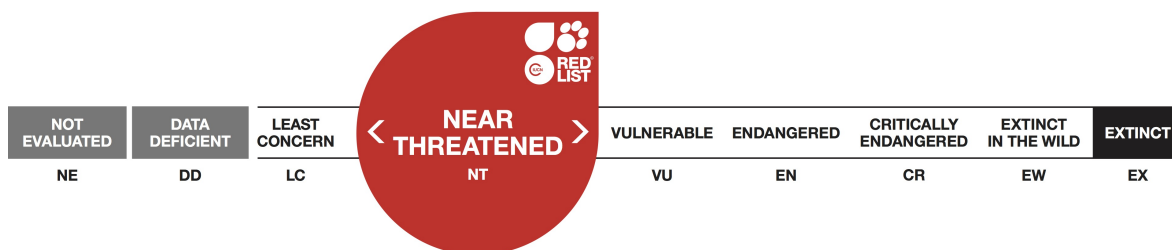


## *Sculptiferussacia clausiliaeformis*

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



View on [www.iucnredlist.org](http://www.iucnredlist.org)

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## Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Mollusca	Gastropoda	Stylommatophora	Ferussaciidae

**Taxon Name:** *Sculptiferussacia clausiliaeformis* Alonso & Ibáñez, 1992

### Synonym(s):

- *Sculptiferussacia? clausiliaeformis* Alonso & Ibáñez, 1992

### Taxonomic Source(s):

Alonso, M.R., Groh, K. and Ibáñez, M. 1992. *Sculptiferussacia? clausiliaeformis* n. sp. (Gastropoda Pulmonata: Ferussaciidae) de Fuerteventura (Islas Canarias). *Bollettino Malacologico* 22(1-4): 35-46.

### Taxonomic Notes:

Contrary to the suggestion in the original paper (Alonso *et al.* 1992), *clausiliaeformis* is most probably not a *Sculptiferussacia*, which is conchologically a very different African genus. Most probably it has to be described as a subgenus within the not yet named genus of Canarian endemic Ferussaciids. The work on that is in progress but will need genetic analysis support (K. Groh pers. comm. 2016).

## Assessment Information

**Red List Category & Criteria:** Near Threatened [ver 3.1](#)

**Year Published:** 2017

**Date Assessed:** November 19, 2016

### Justification:

This small land snail is endemic to the Canary Islands (Spain), where it is restricted to the mountain tops and north-facing slopes on the Jandía Peninsula, western Fuerteventura. It is only known from five closely adjacent locations on the Peninsula, while an additional subpopulation became extinct in the 1990s. Both the area of occupancy (AOO) and the extent of occurrence (EOO) are estimated at 20 km<sup>2</sup>, which indicates a very restricted range.

The potential threats to the species are habitat degradation due to goat overgrazing and trampling, intensification of recreational activities in the Natural Park where this species occurs and expansion of construction and paths inside the range of the species. It is assessed as Near Threatened (NT), based on its small area, occurrence at five locations and the present threats, which operate at a low level over 20% of the area. If additional threats are recognized in the area, then a reassessment will be required.

### Previously Published Red List Assessments

2014 – Endangered (EN)

<http://dx.doi.org/10.2305/IUCN.UK.2014-1.RLTS.T20077A55240748.en>

## Geographic Range

**Range Description:**

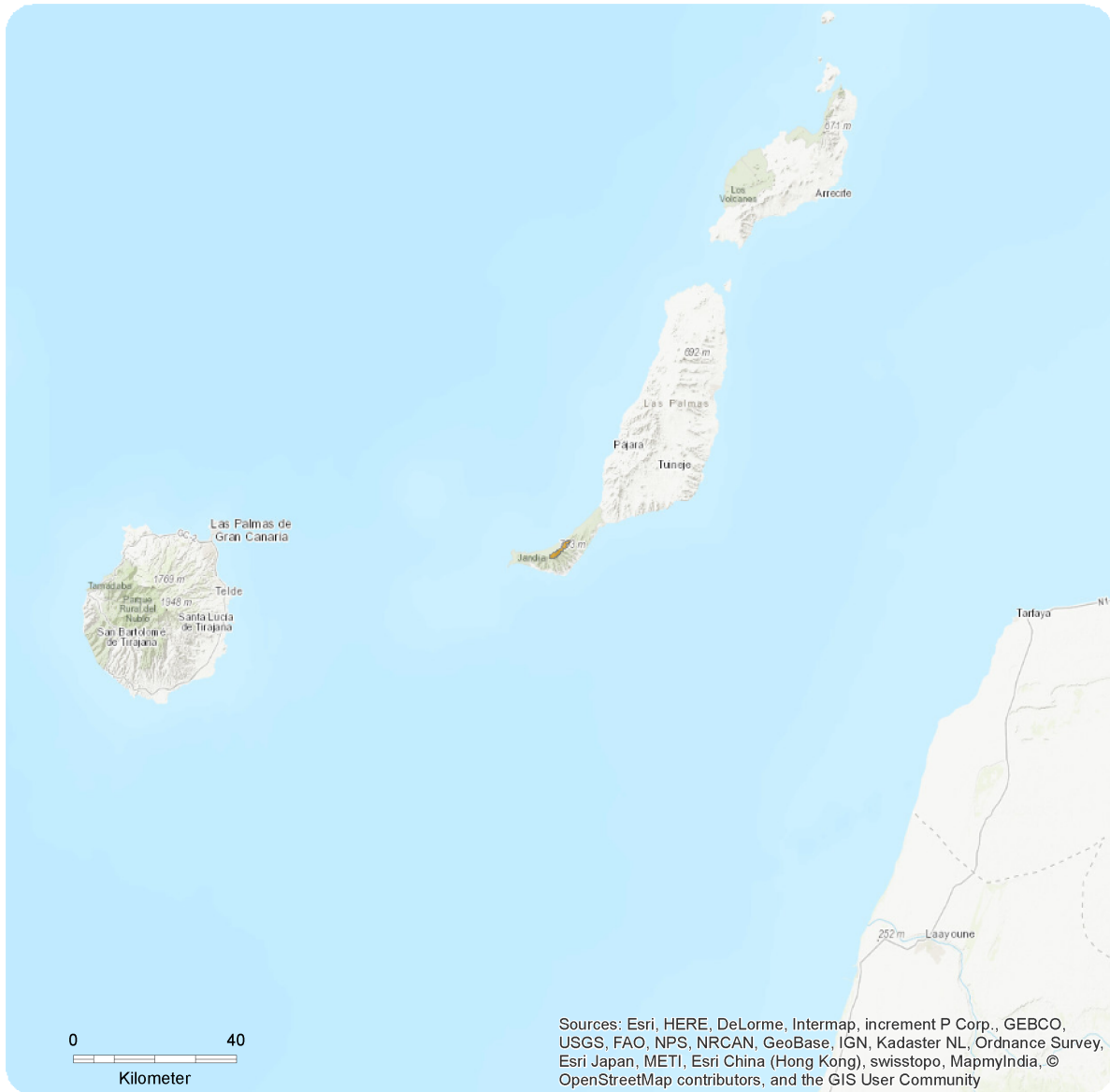
This small spindle-shaped land snail is endemic to the Canary Islands in Spain (Alonso *et al.* 2002). It is only known from the Jandía Peninsula in western Fuerteventura, where it is found in a restricted area on mountain tops and north-facing slopes, within an area of occupancy (AOO) and an extent of occurrence (EOO) lower than 20 km<sup>2</sup>.

**Country Occurrence:**

**Native:** Spain (Canary Is.)

# Distribution Map

*Sculptiferussacia clausiliaeformis*

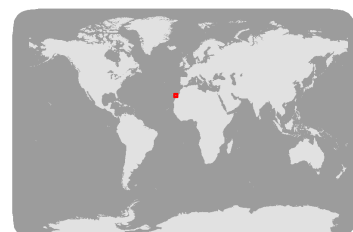


## Range

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

One subpopulation was lost during the 1990s after a track was constructed for access to the beach below, reducing the known sites from six to five (Ibáñez and Alonso 2008). However, at present all five subpopulations appear to be stable.

**Current Population Trend:** Stable

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

This species is restricted to mountainous areas, where it is found mainly on peaks and in almost inaccessible cliffs facing north, between 600 and 800 m. These north facing, very steep, straight slopes receive moisture from the trade winds, which produce a rainfall of about 300 mm per year, namely, two or three times more than in the rest of the island. The predominant vegetation on these slopes are the remnants of an ancient forest.

**Systems:** Terrestrial

## Use and Trade

There is no known trade for this species.

## Threats (see Appendix for additional information)

The main threat to the species is habitat deterioration due to overgrazing and trampling by goats, creation of new paths and construction of buildings for tourism and recreational activities (Ibáñez and Alonso 2008). Particularly, overgrazing may affect even the most inaccessible habitats. This threat is likely to significantly impact up to 20% of the area of occupancy (AOO) of the species. An additional threat is intensification of recreational activities in the Natural Park where this species is found, with use of off-road vehicles and pedestrian traffic along the paths, which may affect about 10% of the AOO, along the crests.

## Conservation Actions (see Appendix for additional information)

The species is listed as Endangered in Verdu and Galante (2008). Several conservation actions have been proposed, such as restrictions on grazing and creation of a reserve for this and other endemic species (namely, *Canariella eutropis*, *Cryptella susannae* and *Hemicycla paeteliana*, which occur in the same area) (Ibáñez and Alonso 2008). Most of the Peninsula is protected by its status as the *Parque Natural de Jandía* (Site of Community Importance, Habitats Directive, IUCN and UNEP-WCMC 2016).

## Credits

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

**Reviewer(s):** Cameron, R., Seddon, M.B., Teixeira, D. & Neubert, E.

## Bibliography

Alonso, M.R., Groh, K. and Ibáñez, M. 1992. *Sculptiferussacia? clausiliaeformis* n. sp. (Gastropoda Pulmonata: Ferussaciidae) de Fuerteventura (Islas Canarias). *Bollettino Malacologico* 22(1-4): 35-46.

Ibanez, M. and Alonso, R.A. 2008. *Sculptiferussacia clausiliaeformis*. In: Verdú, J.R and Galante, E. (eds), *Atlas de los invertebrados amenazados de España (Especies En Peligro Critico y En Peligro)*, Dirección General para la Biodiversidad, Ministerio de Medio Ambiente, Madrid.

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

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Verdú, J.R. and Galante, E. 2008. *Atlas de los invertebrados amenazados de España (Especies En Peligro Critico y En Peligro)*. Dirección General para la Biodiversidad, Ministerio de Medio Ambiente, Madrid.

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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)	Resident	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	Majority (50-90%)	Slow, significant declines	Medium impact: 6
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality 2. Species Stresses -> 2.2. Species disturbance		
2. Agriculture & aquaculture -> 2.3. Livestock farming & ranching -> 2.3.2. Small-holder grazing, ranching or farming	Ongoing	Minority (50%)	Causing/could cause fluctuations	Low impact: 5
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.2. Species disturbance		
4. Transportation & service corridors -> 4.1. Roads & railroads	Ongoing	Minority (50%)	Negligible declines	Low impact: 4
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality 2. Species Stresses -> 2.2. Species disturbance		
6. Human intrusions & disturbance -> 6.1. Recreational activities	Ongoing	Minority (50%)	Slow, significant declines	Low impact: 5
	Stresses:	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 Research, Monitoring and Planning
Action Recovery plan: Unknown
Systematic monitoring scheme: Unknown
In-Place Land/Water Protection and Management
Conservation sites identified: Yes, over entire range
Occur in at least one PA: Yes

## Conservation Actions Needed

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

<b>Conservation Actions Needed</b>
1. Land/water protection -> 1.1. Site/area protection
2. Land/water management -> 2.2. Invasive/problematic species control

## Research Needed

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

<b>Research Needed</b>
1. Research -> 1.1. Taxonomy
1. Research -> 1.2. Population size, distribution & trends
1. Research -> 1.5. Threats

## Additional Data Fields

<b>Distribution</b>
Estimated area of occupancy (AOO) (km <sup>2</sup> ): 20
Continuing decline in area of occupancy (AOO): Unknown
Extreme fluctuations in area of occupancy (AOO): Unknown
Estimated extent of occurrence (EOO) (km <sup>2</sup> ): 20
Continuing decline in extent of occurrence (EOO): Unknown
Extreme fluctuations in extent of occurrence (EOO): Unknown
Number of Locations: 5
Continuing decline in number of locations: Unknown
Extreme fluctuations in the number of locations: Unknown
Lower elevation limit (m): 600
Upper elevation limit (m): 800
<b>Population</b>
Number of mature individuals: 17
Continuing decline of mature individuals: Yes
Extreme fluctuations: Unknown
Population severely fragmented: No
No. of subpopulations: 2

<b>Habitats and Ecology</b>
Continuing decline in area, extent and/or quality of habitat: Yes
Generation Length (years): 1-2

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