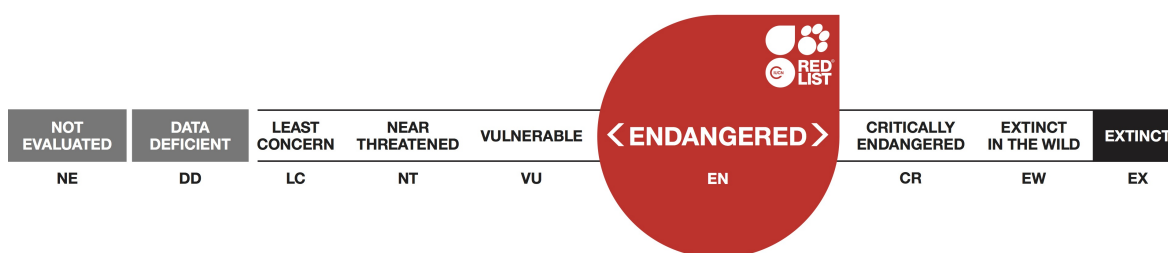


Theba grasseti

Assessment by: Groh, K. & Neubert, E.



View on www.iucnredlist.org

Citation: Groh, K. & Neubert, E. 2013. *Theba grasseti*. *The IUCN Red List of Threatened Species 2013*: e.T157190A5052441. <http://dx.doi.org/10.2305/IUCN.UK.2011-1.RLTS.T157190A5052441.en>

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Mollusca	Gastropoda	Stylommatophora	Helicidae

Taxon Name: *Theba grasseti* (Mousson, 1872)

Taxonomic Notes:

Theba grasseti was previously named *Helix grasseti*.

Assessment Information

Red List Category & Criteria: Endangered B1ab(ii,iii)+2ab(ii,iii) [ver 3.1](#)

Year Published: 2013

Date Assessed: March 29, 2011

Justification:

Theba grasseti is only known to the Island of Gran Canaria. It is a very rare species probably restricted to a very small area around the capital Las Palmas de Gran Canaria and the northern Peninsula La Isleta. There are only three known locations, and the species is under major threats by increasing urban developments. This species is listed as Endangered (EN) B1ab(ii,iii)+2ab(ii,iii).

Geographic Range

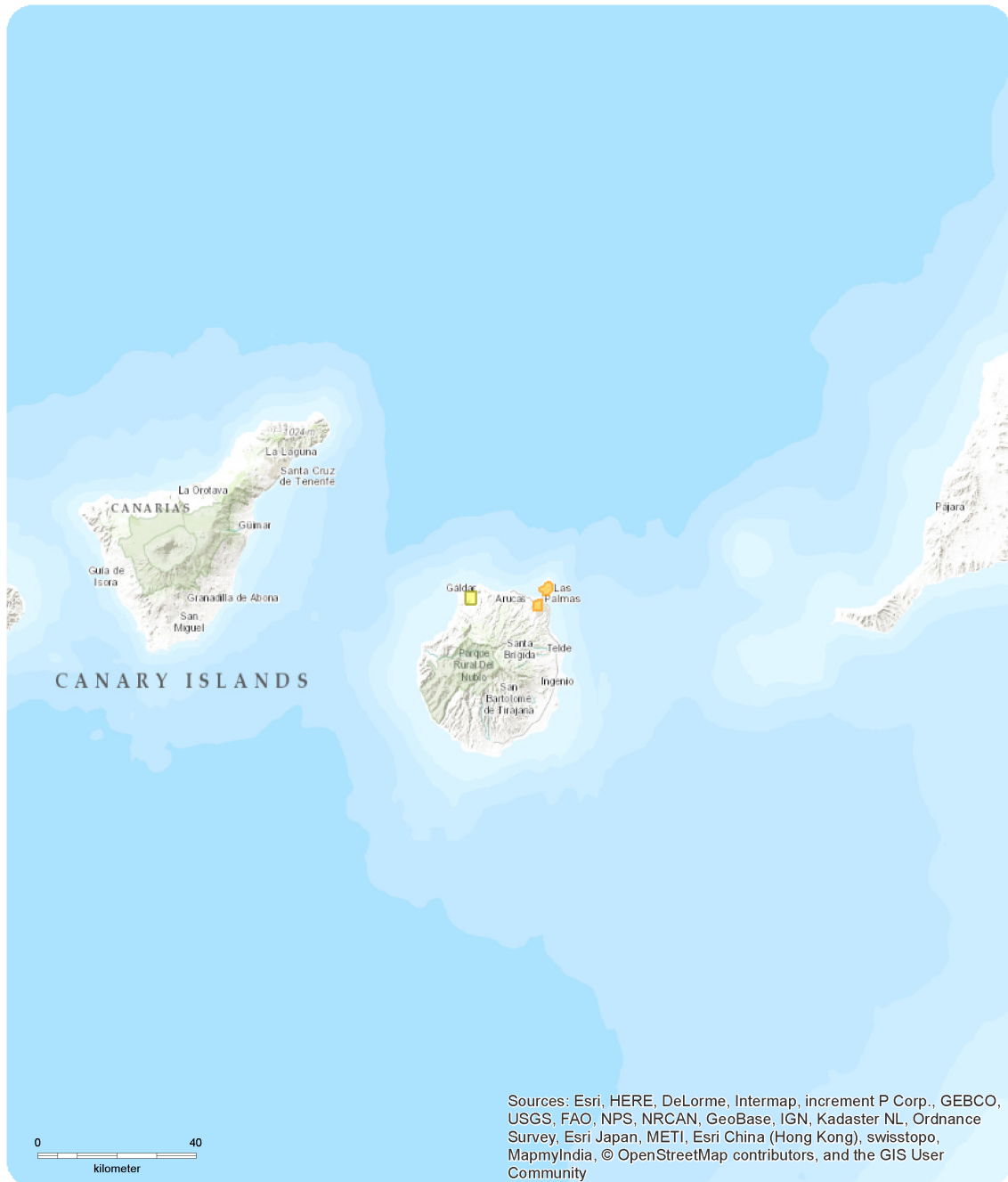
Range Description:

Theba grasseti is only known to the Island of Gran Canaria. The species might only be confined to La Isleta and the adjacent extreme northeastern part of Gran Canaria near Las Palmas. However, specimens have been observed at locations including La Isleta at an altitude of 50-100 m. La Luz, Las Coloradas, Las Palmas, Santa Catalina and Angostura at an altitude of approximately 300 m. All these sites are situated within La Casleta (= 1 location). Greve *et al.* (2010) record two locations in total with three specimens, one of them near Las Palmas, the other in the north-west of the island (= two locations).

Country Occurrence:

Native: Spain (Canary Is.)

Distribution Map

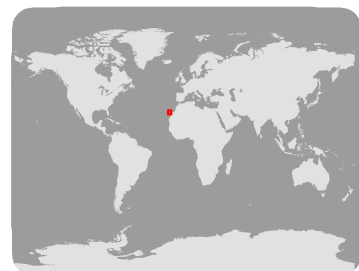


Theba grasseti

Range

- Extant (resident)
- Probably 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 is no information available on the population size or trend of this species.

Current Population Trend: Unknown

Habitat and Ecology (see Appendix for additional information)

Theba grasseti is a terrestrial gastropod found living apart from the typical *T. pisana*, being practically confined to the highlands and to the topmost ridges of the barrancos, and is never found naturally below an altitude of 130 m, except on the Isleta, where *T. pisana* does not exist. *Theba grasseti* is always found feeding on the Balsamiferous Spurge (*Euphorbia balsamifer*). This species lives in the dry temperate shrub vegetation (Piso basal).

Systems: Terrestrial

Use and Trade

This species is not used.

Threats (see Appendix for additional information)

Almost nothing is known on the threats to this species. The main area of distribution for this species is in the direct vicinity of Las Palmas de Gran Canaria, a flourishing and growing city. Probably, the species is so rare because most of its distribution area is already devastated by urbanisation, road construction, and similar activities. Only La Isleta is currently less affected because it is closed down by the military, the status of the subpopulation there is not clear at the moment. However, in case the area will be released from military purposes, the city will immediately spread to this area and demolish the last probable surviving subpopulations.

Conservation Actions

There is no conservation action in place for this species.

Credits

Assessor(s): Groh, K. & Neubert, E.

Reviewer(s): Cuttelod, A. & Bilz, M.

Bibliography

Greve, C., Hutterer, R., Groh, K., Haase, M. and Misof, B. 2010. Evolutionary diversification of the genus *Theba* in space and time: A land snail conquering islands and continents. *Molecular Phylogenetics and Evolution* 57: 572-584.

IUCN. 2011. IUCN Red List of Threatened Species (ver. 2011.1). Available at: <http://www.iucnredlist.org>. (Accessed: 16 June 2011).

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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	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality		
4. Transportation & service corridors -> 4.1. Roads & railroads	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality		
6. Human intrusions & disturbance -> 6.1. Recreational activities	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality		

Additional Data Fields

Distribution
Estimated area of occupancy (AOO) (km ²): 12
Continuing decline in area of occupancy (AOO): Yes
Estimated extent of occurrence (EOO) (km ²): 20
Number of Locations: 3
Population
Population severely fragmented: No
Habitats and Ecology
Continuing decline in area, extent and/or quality of habitat: Yes

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