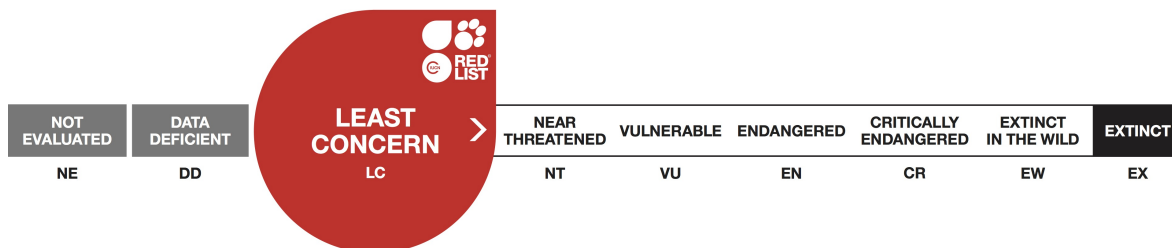


Arminda brunneri, Tenerife Rock Grasshopper

Assessment by: Hochkirch, A.



View on www.iucnredlist.org

Citation: Hochkirch, A. 2016. *Arminda brunneri*. *The IUCN Red List of Threatened Species 2016*: e.T15038931A72594526. <http://dx.doi.org/10.2305/IUCN.UK.2016-3.RLTS.T15038931A72594526.en>

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Arthropoda	Insecta	Orthoptera	Acrididae

Taxon Name: *Arminda brunneri* Krauss, 1892

Common Name(s):

- English: Tenerife Rock Grasshopper

Taxonomic Source(s):

Eades, D.C., Otte, D., Cigliano, M.M. and Braun, H. 2016. Orthoptera Species File. Version 5.0/5.0. Available at: <http://Orthoptera.SpeciesFile.org>.

Assessment Information

Red List Category & Criteria: Least Concern [ver 3.1](#)

Year Published: 2016

Date Assessed: March 10, 2015

Justification:

The Tenerife Rock Grasshopper occurs on rocky slopes in many parts of Tenerife. The species is widespread is therefore assessed as Least Concern (LC). However, more research into its population trend is needed. A phylogenetic study suggests that this taxon represents two or three species occupying different parts of the island (Hochkirch and Görzig 2009). Therefore, taxonomic research is needed as well. However, even if the subpopulations belong to several species, they are unlikely to be threatened as the habitats are little affected by human activities, and the only threats are natural volcanism and avalanches.

Previously Published Red List Assessments

2012 – Least Concern (LC) – <http://dx.doi.org/10.2305/IUCN.UK.2012.RLTS.T15038931A15428998.en>

Geographic Range

Range Description:

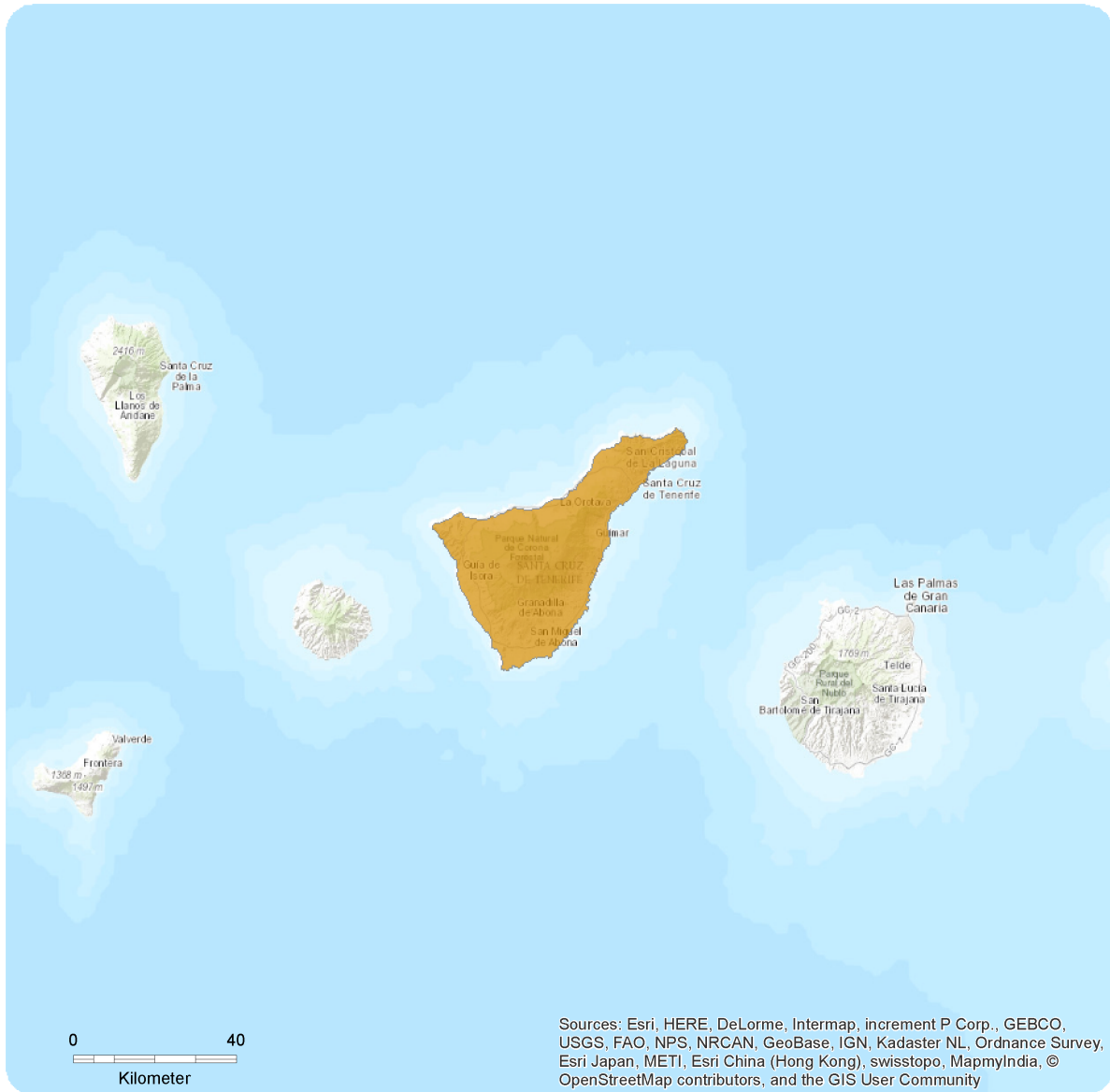
This species is endemic to Tenerife, where it occurs throughout the island from the coast to the sub-alpine zone. Its estimated extent of occurrence (EEO) is c. 2,540 km². Genetic analyses suggest that the subpopulations from Tenerife may belong to two or three different species. Former records from other islands belong to other species (Hochkirch and Görzig 2009).

Country Occurrence:

Native: Spain (Canary Is.)

Distribution Map

Arminda brunneri



Range

Extant (resident)

Compiled by:

SSC Grasshopper Specialist Group



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 and trend of the species. The species is very widespread on Tenerife, where it mainly occurs in rather remote areas (particularly at steep rocky slopes), which are little affected by humans. The population trend is unknown.

Current Population Trend: Unknown

Habitat and Ecology (see Appendix for additional information)

This species occurs mainly on steep rocky slopes.

Systems: Terrestrial

Use and Trade

This species is not utilised.

Threats (see Appendix for additional information)

This species' habitat is not under strong pressure by human activities. Natural threats are volcanism and avalanches.

Conservation Actions (see Appendix for additional information)

No specific conservation actions are in place for this species. It occurs in several protected areas, including Teide National Park. Research into its taxonomy is needed, as the subpopulations on Tenerife may belong to two or three species. Furthermore, there is a need for studies on its population trends and life history.

Credits

Assessor(s): Hochkirch, A.

Reviewer(s): Odé, B. & García, M.

Contributor(s): Jakobs, D. & Kranz, M.

Bibliography

Hochkirch, A. and Görzig, Y. 2009. Colonization and speciation on volcanic islands: Phylogeography of the flightless grasshopper genus *Armindia* (Orthoptera, Acrididae) on the Canary Islands. *Systematic Entomology* 34: 188-197.

IUCN. 2016. The IUCN Red List of Threatened Species. Version 2016-3. Available at: www.iucnredlist.org. (Accessed: 07 December 2016).

Citation

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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
10. Geological events -> 10.1. Volcanoes	Past, likely to return	Minority (50%)	Very rapid declines	Past impact
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality		
10. Geological events -> 10.3. Avalanches/landslides	Past, likely to return	Minority (50%)	Very rapid declines	Past impact
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality		

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 part of range
Occur in at least one PA: Yes

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

Additional Data Fields

Distribution
Continuing decline in area of occupancy (AOO): No
Estimated extent of occurrence (EOO) (km ²): 2543
Continuing decline in extent of occurrence (EOO): No
Extreme fluctuations in extent of occurrence (EOO): No
Continuing decline in number of locations: No
Extreme fluctuations in the number of locations: No
Lower elevation limit (m): 0
Upper elevation limit (m): 2100
Population
Population severely fragmented: No
Habitats and Ecology
Continuing decline in area, extent and/or quality of habitat: No

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