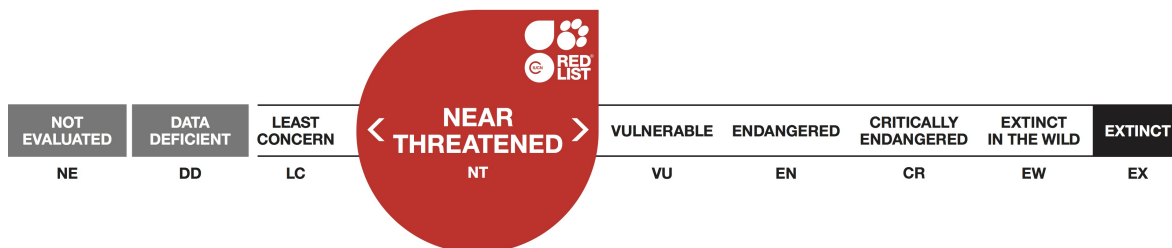


Calliphona koenigi, Tenerife Green Bush-cricket

Assessment by: Hochkirch, A.



View on www.iucnredlist.org

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Arthropoda	Insecta	Orthoptera	Tettigoniidae

Taxon Name: *Calliphona koenigi* Krauss, 1892

Synonym(s):

- *Calliphona königii* Krauss, 1892 [orth. error]

Common Name(s):

- English: Tenerife Green Bush-cricket

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: Near Threatened [ver 3.1](#)

Year Published: 2016

Date Assessed: May 2, 2016

Justification:

The Tenerife Green Bush-cricket is confined to the forested areas of northern Tenerife. It is threatened by increasing wildfire frequencies, which have recently destroyed parts of its habitat. The species is flightless and it usually occurs at a low density, however the subpopulations are currently still well connected. The number of locations is 12-15 (based upon the size of recent wildfires). Its extent of occurrence (EOO) is c. 1,000 km² and its known area of occupancy (AOO) is 76 - 400 km². There is a continuing decline in the extent of occurrence (EOO), area of occupancy (AOO), extent and quality of the habitat, number of locations and number of mature individuals. As it nearly meets the thresholds for a threatened Category under Criterion B, it is here assessed as Near Threatened.

Previously Published Red List Assessments

2012 – Vulnerable (VU) – <http://dx.doi.org/10.2305/IUCN.UK.2012.RLTS.T16895612A16896998.en>

Geographic Range

Range Description:

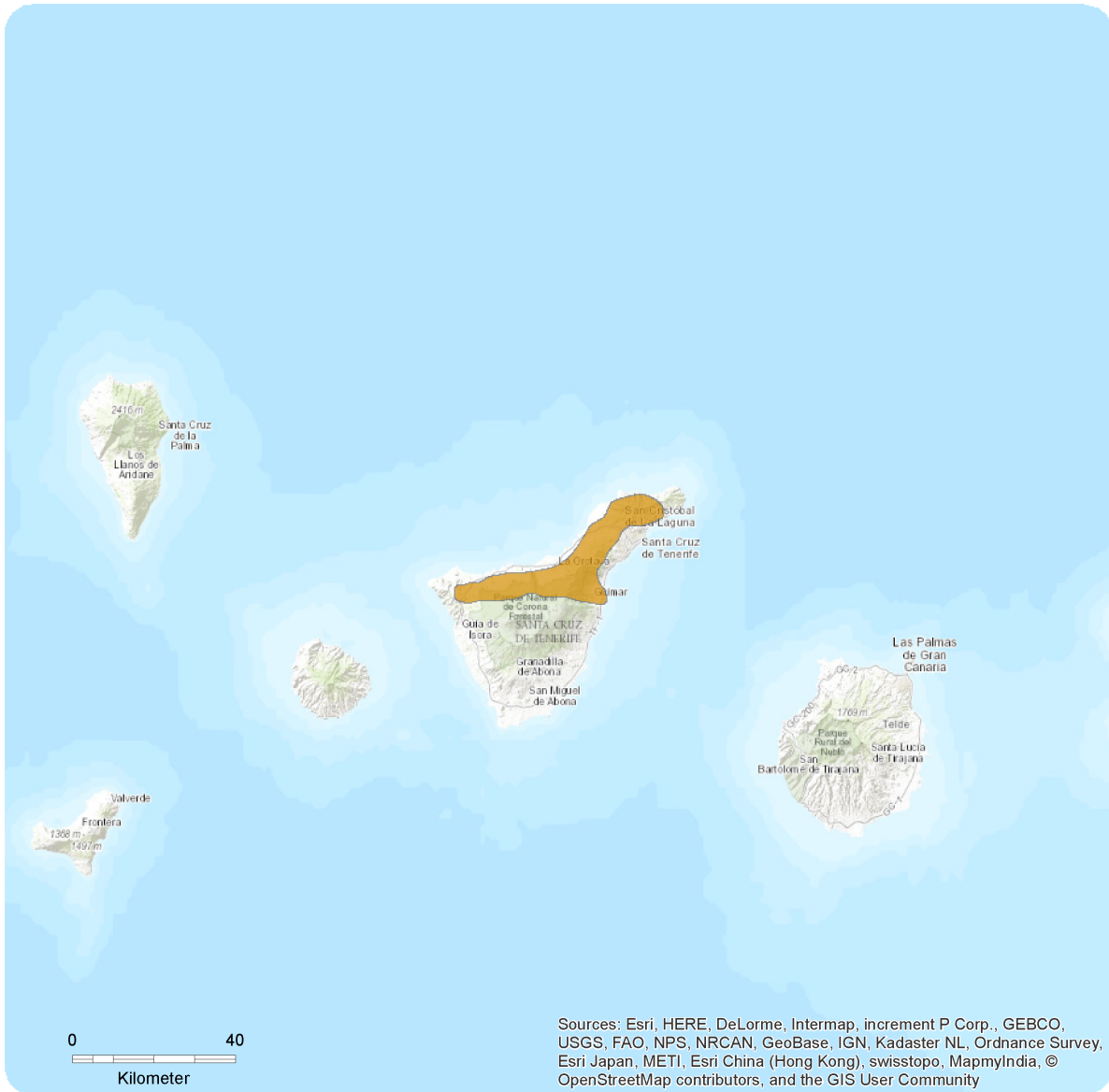
This species is endemic to Tenerife, Canary Islands, Spain (Holzapfel 1970, Gangwere *et al.* 1972, Bland *et al.* 1996, Arnedo *et al.* 2008). Its extent of occurrence (EOO) is c. 1,000 km² and its known area of occupancy (AOO) is 76 km² with a maximum estimate of 400 km².

Country Occurrence:

Native: Spain (Canary Is.)

Distribution Map

Calliphona koenigi



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

The species is flightless and it usually occurs at a low density, however the subpopulations are currently still well connected. No data on population size or trend are available, but it is assumed to be decreasing as a consequence of recent wildfires. There is a continuing decline in the extent of occurrence (EOO), area of occupancy (AOO), extent and quality of the habitat, number of locations and number of mature individuals.

Current Population Trend: Decreasing

Habitat and Ecology (see Appendix for additional information)

Calliphona koenigi occurs in forests (mainly laurel forests, but also pine forests and gardens). Its altitudinal range is 300 - 1,100 m.

Systems: Terrestrial

Use and Trade

This species is not utilised.

Threats (see Appendix for additional information)

The major threat to this species is the increase in wildfire frequencies, which have destroyed parts of its habitat. Future threats may be volcanic eruptions and landslides. The number of locations is 12-15 (based on the size of recent wildfires).

Conservation Actions (see Appendix for additional information)

There are no specific conservation actions in place for this species, but parts of its habitats are in protected areas. There is a need for research on its population trend and threats. A proper fire management is needed in order to avoid future declines of this species.

Credits

Assessor(s): Hochkirch, A.

Reviewer(s): Odé, B. & García, M.

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

Bibliography

Arnedo, M.A., Oromí, P., de Abreu, S.M. and Ribera, C. 2008. Biogeographical and evolutionary patterns in the Macaronesian shield-backed katydid genus *Calliphona* Krauss, 1892 (Orthoptera: Tettigoniidae) and allies as inferred from phylogenetic analyses of multiple mitochondrial genes. *Systematic Entomology* 33(1): 145-158.

Bland, R.G., Gangwere, S.K. and Morales Martin, M. 1996. An Annotated List of the Orthoptera (sens. lat.) of the Canary Islands. *Journal of Orthoptera Research* 5: 159-173.

Gangwere, S.K., Morales Martin, M. and Morales Agacino, E. 1972. The distribution of the Orthopteroidea in Tenerife, Canary Island, Spain. *Contributions of the American Entomological Institute* 8(1): 1-40.

Holzapfel, C.M. 1970. Zoogeography of the Acridoidea (Insecta: Orthoptera) in the Canary Islands. *PhD thesis*.

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?
1. Forest -> 1.9. Forest - Subtropical/Tropical Moist Montane	Resident	Suitable	Yes
14. Artificial/Terrestrial -> 14.3. Artificial/Terrestrial - Plantations	Resident	Marginal	-
14. Artificial/Terrestrial -> 14.4. Artificial/Terrestrial - Rural Gardens	Resident	Suitable	No

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		
7. Natural system modifications -> 7.1. Fire & fire suppression -> 7.1.1. Increase in fire frequency/intensity	Ongoing	Minority (50%)	Rapid declines	Medium impact: 6
	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
Occur in at least one PA: Yes

Conservation Actions Needed

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

Conservation Actions Needed

2. Land/water management -> 2.1. Site/area management

Research Needed

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

Research Needed

1. Research -> 1.2. Population size, distribution & trends
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1. Research -> 1.5. Threats

Additional Data Fields

Distribution

Estimated area of occupancy (AOO) (km ²): 76-400
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Estimated extent of occurrence (EOO) (km ²): 1005

Lower elevation limit (m): 300

Upper elevation limit (m): 1100

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