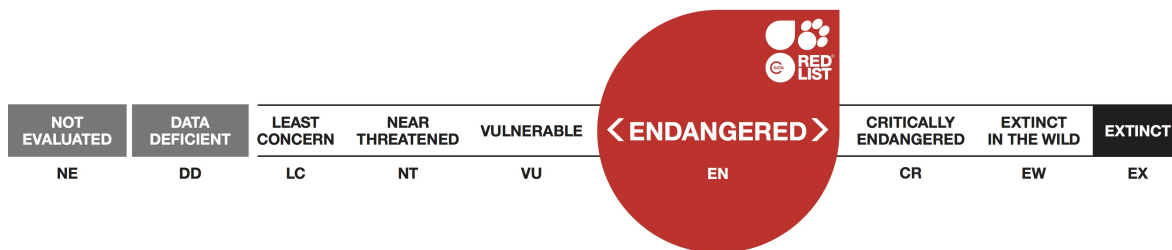


## *Calliphona gomerensis*, Gomera Green Bush-cricket

Assessment by: Jakobs, D. & Hochkirch, A.



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

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## Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Arthropoda	Insecta	Orthoptera	Tettigoniidae

**Taxon Name:** *Calliphona gomerensis* Pfau & Pfau, 2007

### Common Name(s):

- English: Gomera Green Bush-cricket

### Taxonomic Source(s):

Eades, D.C., Otte, D., Cigliano, M.M. and Braun, H. 2014. Orthoptera Species File. Version 5.0/5.0. Available at: <http://Orthoptera.SpeciesFile.org>.

## Assessment Information

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

**Year Published:** 2016

**Date Assessed:** May 2, 2016

### Justification:

The Gomera Green Bush-cricket (*Calliphona gomerensis*) is endemic to the laurel forests of La Gomera. Although its habitats are still quite common and protected on La Gomera, it is threatened by increasing fire frequencies, which have recently even affected the Garajonay National Park. The species is only known from five locations and has a small area of occupancy (AOO) of 32 km<sup>2</sup> with a maximum estimate of 100 km<sup>2</sup>. Its extent of occurrence (EOO) is 142 km<sup>2</sup> with a maximum estimate of 200 km<sup>2</sup>. There is a continuing decline in the extent of occurrence (EOO), area of occupancy (AOO), extent and quality of the habitat, number of subpopulations and the number of mature individuals. It is therefore assessed as Endangered (EN).

### Previously Published Red List Assessments

2012 – Endangered (EN) – <http://dx.doi.org/10.2305/IUCN.UK.2012.RLTS.T16895619A16897008.en>

## Geographic Range

### Range Description:

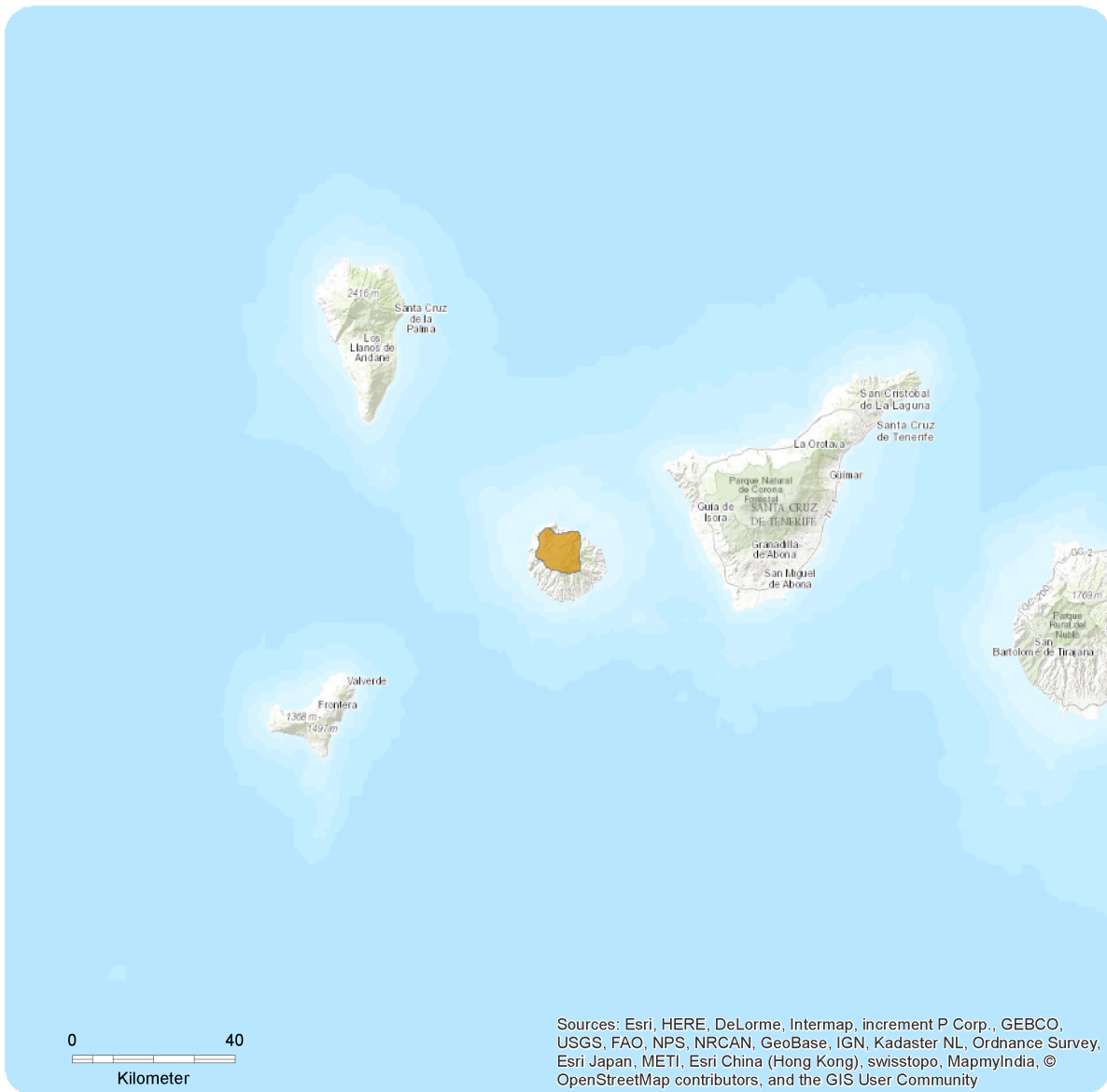
The Gomera Green Bush-cricket is endemic to La Gomera, where it mainly occurs in laurel forest (Pfau and Pfau 2007, Arnedo *et al.* 2008). Its known extent of occurrence (EOO) is 142 km<sup>2</sup> with a maximum estimate of 200 km<sup>2</sup>. Its known area of occupancy (AOO) is 32 km<sup>2</sup> with a maximum estimate of 100 km<sup>2</sup>.

### Country Occurrence:

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

# Distribution Map

*Calliphona gomerensis*

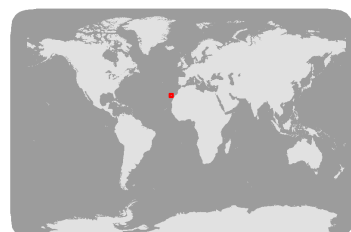


### Range

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 quite widespread in the forests of La Gomera, but the population is decreasing as a consequence of recent wildfires.

**Current Population Trend:** Decreasing

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

*Calliphona gomerensis* occurs mainly in laurel forests and other forested habitats. Its altitudinal range is 130 - 1,350 m.

**Systems:** Terrestrial

## Use and Trade

This species is not utilised.

## Threats (see Appendix for additional information)

The species is mainly confined to laurel forests, which are still common on La Gomera, but threatened by increasing fire frequencies. A large wildfire in 2012 has destroyed parts of its habitat. On the basis of this threat, the species is known from five locations. It may also be affected by the risk of landslides.

## Conservation Actions (see Appendix for additional information)

There are no specific conservation actions in place for this species, but it occurs in protected areas throughout its range. More research on its population trend is needed. Proper fire management is required to avoid future declines, and the destroyed habitat needs to be restored.

## Credits

**Assessor(s):** Jakobs, D. & Hochkirch, A.

**Reviewer(s):** García, 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.

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

Pfau, H.K. and Pfau, B. 2007. Zur Bioakustik von *Calliphona alluaudi* (Orthoptera: Tettigoniidae) von Gran Canaria und zum Status der La Gomera-Population. *Mitt. Schweizerischen entomologischen Gesellschaft* 80: 17-29.

## 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

### Threats

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

Threat	Timing	Scope	Severity	Impact Score
10. Geological events -> 10.3. Avalanches/landslides	Unknown	Minority (50%)	Rapid declines	Unknown
	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
2. Land/water management -> 2.3. Habitat & natural process restoration

### Research Needed

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

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

## Additional Data Fields

<b>Distribution</b>
Estimated area of occupancy (AOO) (km <sup>2</sup> ): 32-100
Estimated extent of occurrence (EOO) (km <sup>2</sup> ): 142-200
Lower elevation limit (m): 130
Upper elevation limit (m): 1350

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