

## *Trogloneta madeirensis*

Assessment by: Cardoso, P., Crespo, L.C., Silva, I., Borges, P. & Boieiro, M.



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**Citation:** Cardoso, P., Crespo, L.C., Silva, I., Borges, P. & Boieiro, M. 2018. *Trogloneta madeirensis*. The IUCN Red List of Threatened Species 2018: e.T58048804A58061047.

<http://dx.doi.org/10.2305/IUCN.UK.2018-2.RLTS.T58048804A58061047.en>

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## Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Arthropoda	Arachnida	Araneae	Mysmenidae

**Taxon Name:** *Trogloneta madeirensis* Wunderlich, 1987

### Taxonomic Source(s):

Platnick, N.I. 2014. The World Spider Catalog, Version 14.5. P. Merrett & H.D. Cameron (eds). American Museum of Natural History. Available at: <http://research.amnh.org/iz/spiders/catalog/index.html>. (Accessed: 31 March 2014).

## Assessment Information

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

**Year Published:** 2018

**Date Assessed:** January 18, 2018

### Justification:

*Trogloneta madeirensis* is one of the most common species in Madeira Island (Portugal), known throughout the laurisilva forest and also other habitats. This species has a restricted geographic range with a maximum estimate of extent of occurrence (EOO) and area of occupancy (AOO) of ca 800 km<sup>2</sup>. However, *Trogloneta madeirensis* is assessed as Least Concern (LC), since the species seems to be able to live on several habitat types, even close to human settlements and the population is therefore assumed to be stable. Additionally, there are no known threats to the species. A monitoring of population trends should be conducted to confirm species status.

## Geographic Range

### Range Description:

*Trogloneta madeirensis* is one of the most common species in Madeira Island, known throughout the laurisilva forest and also other habitats including caves and close to urban areas. Multiple collection sites are recorded for the species, mostly recent and in laurisilva forest (Wunderlich 1987, Wunderlich 1992, Crespo *et al.* 2014). It was possible to perform species distribution modelling to predict its potential range with confidence limits (Cardoso *et al.* 2017). The extent of occurrence (EOO) and area of occupancy (AOO) have a maximum estimate of ca 800 km<sup>2</sup>.

### Country Occurrence:

**Native:** Portugal (Madeira)

# Distribution Map

*Trogloneta madeirensis*



## 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

No population size estimates exist, but the population is assumed to be stable.

**Current Population Trend:** Stable

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

This species is most common in humid laurisilva forest but recorded from several habitat types. This tiny spider has been found living among the rocks and trees, shrubs and herbs and also in moss on tree trunks (Wunderlich 1987). It possibly builds three-dimensional webs (Hajer 2000).

**Systems:** Terrestrial

## Use and Trade

This species is not utilized.

## Threats

There are no known threats to the species.

## Conservation Actions (see Appendix for additional information)

No specific conservation measures are in place for this species, but most of the species range is inside the Madeira Natural Park. Monitoring of population trends should be conducted to confirm species status.

## Credits

**Assessor(s):** Cardoso, P., Crespo, L.C., Silva, I., Borges, P. & Boieiro, M.

**Reviewer(s):** Henriques, S. & Russell, N.

## Bibliography

Cardoso, P., Crespo, L.C., Silva, I., Borges, P.A.V. and Boieiro, M. 2017. Species conservation profiles of endemic spiders (Araneae) from Madeira and Selvagens archipelagos, Portugal. *Biodiversity Data Journal* 5: e20810 (18 Oct 2017). <https://doi.org/10.3897/BDJ.5.e20810>.

Crespo, L.C., Boieiro, M., Cardoso, P., Aguiar, C.S., Amorim, I., Barrinha, C., Borges, P.V., Menezes, D., Pereira, F., Rego, C., Ribeiro, S., Silva, I. and Serrano, A.M. 2014. Spatial distribution of Madeira Island Laurisilva endemic spiders (Arachnida: Araneae). *Biodiversity Data Journal* 2: e1051. <https://doi.org/10.3897/BDJ.2.e1051>.

Hajer, J. 2000. The web of *Trogloneta granulum* Simon (Araneae, Mysmenidae). *Bulletin of the British Arachnological Society* 11: 333-338.

IUCN. 2018. The IUCN Red List of Threatened Species. Version 2018-2. Available at: [www.iucnredlist.org](http://www.iucnredlist.org). (Accessed: 15 November 2018).

Wunderlich, J. 1987. *Die Spinnen der Kanarischen Inseln und Madeiras: Adaptive Radiation, Biogeographie, Revisionen und Neubeschreibungen*. Triops Verlag.

Wunderlich, J. 1992. Die Spinnen-Fauna der Makaronesischen Inseln. *Beiträge zur Araneologie* 1: 1-619.

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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
7. Caves and Subterranean Habitats (non-aquatic) -> 7.1. Caves and Subterranean Habitats (non-aquatic) - Caves	Resident	Suitable	No
14. Artificial/Terrestrial -> 14.4. Artificial/Terrestrial - Rural Gardens	Resident	Suitable	No

### 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: No
Systematic monitoring scheme: No
In-Place Land/Water Protection and Management
Conservation sites identified: Yes, over part of range
Occur in at least one PA: Yes
Percentage of population protected by PAs (0-100): 71-80
Area based regional management plan: Yes
Invasive species control or prevention: No
In-Place Species Management
Harvest management plan: No
Successfully reintroduced or introduced benignly: No
Subject to ex-situ conservation: No
In-Place Education
Subject to recent education and awareness programmes: No
Included in international legislation: No
Subject to any international management/trade controls: No

### Research Needed

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

**Research Needed**

3. Monitoring -> 3.1. Population trends

**Additional Data Fields**

<b>Distribution</b>
Estimated area of occupancy (AOO) (km <sup>2</sup> ): 172-764,368
Continuing decline in area of occupancy (AOO): No
Extreme fluctuations in area of occupancy (AOO): No
Estimated extent of occurrence (EOO) (km <sup>2</sup> ): 202-764,389
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): 50
Upper elevation limit (m): 1700
<b>Population</b>
Continuing decline of mature individuals: No
Extreme fluctuations: Unknown
Population severely fragmented: No
Continuing decline in subpopulations: No
Extreme fluctuations in subpopulations: No
All individuals in one subpopulation: No
<b>Habitats and Ecology</b>
Continuing decline in area, extent and/or quality of habitat: No
Generation Length (years): 1
Movement patterns: Not a Migrant

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