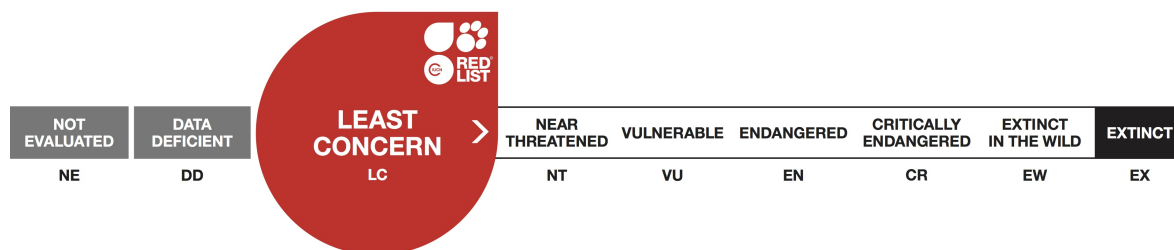


Macaroeris desertensis

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



View on www.iucnredlist.org

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Arthropoda	Arachnida	Araneae	Salticidae

Taxon Name: *Macaroeris desertensis* Wunderlich, 1992

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 21, 2018

Justification:

Macaroeris desertensis is known throughout the islands and islets of Porto Santo and Desertas, Portugal. This species has a restricted geographic range with a maximum estimate of extent of occurrence (EOO) of ca 600 km² and area of occupancy (AOO) of ca 100 km². However, *Macaroeris desertensis* is assessed as Least Concern (LC), since the species seems to be common and the population is therefore assumed to be stable. Additionally there are no known threats to it. A monitoring of population trends should be conducted to confirm species status.

Geographic Range

Range Description:

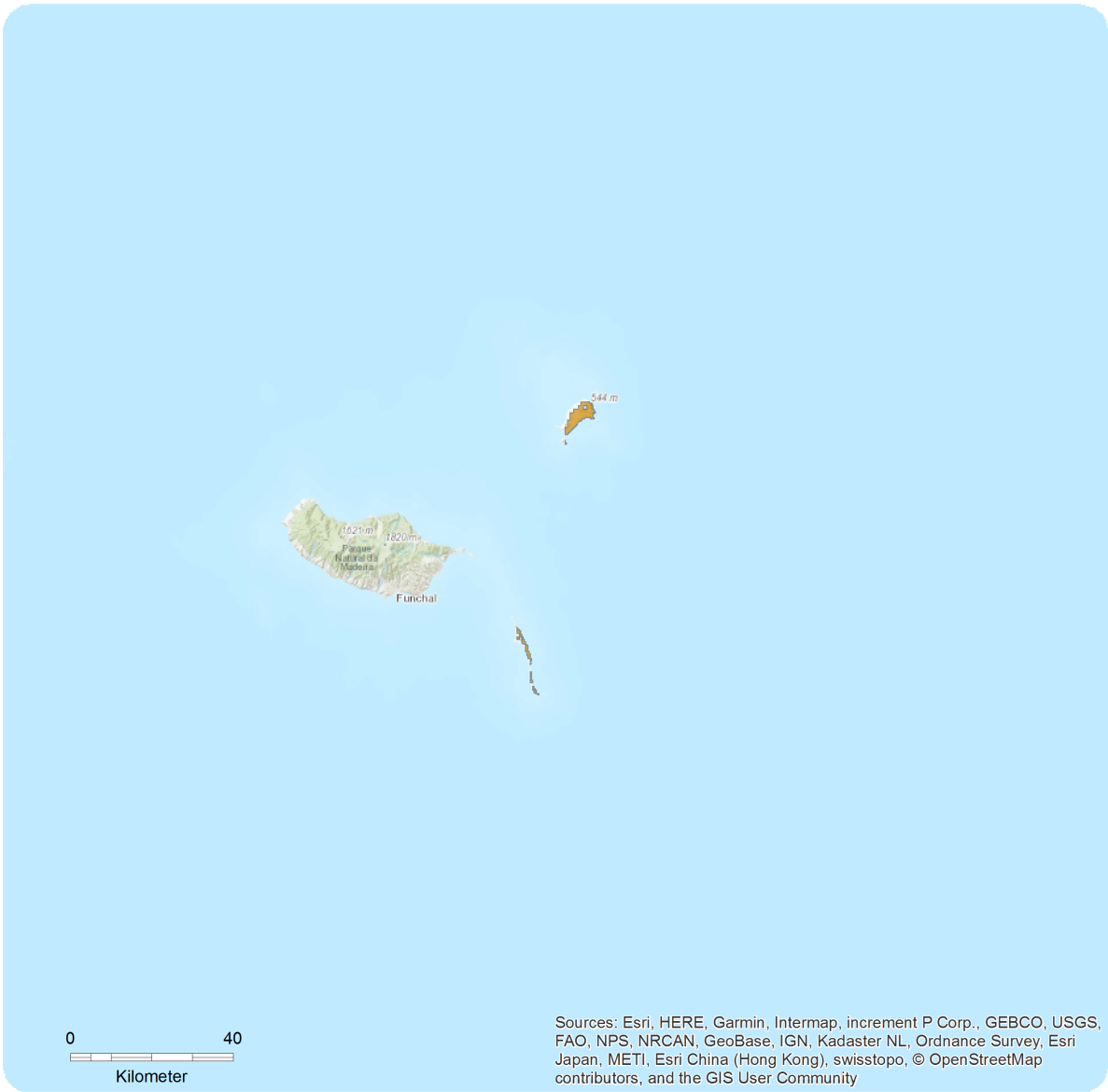
Macaroeris desertensis is known throughout the islands and islets of Porto Santo and Desertas, mainly on open grassland, scrubland and rocky areas. Multiple collection sites have been recorded for the species (Wunderlich 1992, Crespo *et al.* 2013). It was possible to perform species distribution modelling to predict its potential range with confidence limits (Cardoso *et al.* 2017).

Country Occurrence:

Native: Portugal (Madeira)

Distribution Map

Macaroeris desertensis

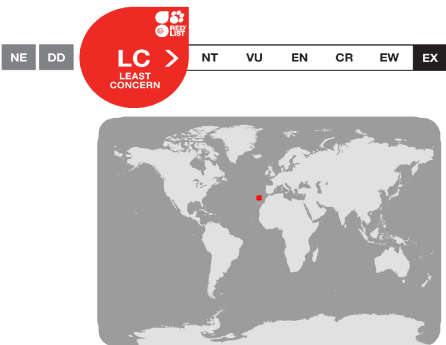


Range

 Extant (resident)

Compiled by:

IUCN (International Union for Conservation of Nature)



Population

No population size estimates exist, but the species seems to be common in open areas of several islands and islets and the population is assumed to be stable.

Current Population Trend: Stable

Habitat and Ecology (see Appendix for additional information)

Macaroeris desertensis is known throughout the islands and islets of Porto Santo and Desertas, mainly on open grassland, scrubland and rocky areas. It is an active hunter on low vegetation feeding mainly on small/medium size arthropods.

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 the species, but part of the species range lies inside the Desertas Nature Reserve and in the Porto Santo Network of Marine Protected Areas (which includes islets). 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., Silva, I., Borges, P.A.V. and Cardoso, P. 2013. Rapid biodiversity assessment, faunistics and description of a new spider species (Araneae) from Desertas Islands and Madeira (Portugal). *Revista Ibérica de Aracnologia* 23: 11-23.

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

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

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?
3. Shrubland -> 3.8. Shrubland - Mediterranean-type Shrubby Vegetation	Resident	Suitable	Yes
4. Grassland -> 4.5. Grassland - Subtropical/Tropical Dry	Resident	Suitable	Yes
0. Root -> 6. Rocky areas (eg. inland cliffs, mountain peaks)	Resident	Suitable	Yes

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): 21-30
Area based regional management plan: No
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

Distribution
Estimated area of occupancy (AOO) (km ²): 36-104,104
Continuing decline in area of occupancy (AOO): No
Extreme fluctuations in area of occupancy (AOO): No
Estimated extent of occurrence (EOO) (km ²): 529-599,599
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): 270
Population
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
Habitats and Ecology
Continuing decline in area, extent and/or quality of habitat: No
Generation Length (years): 1
Movement patterns: Not a Migrant

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