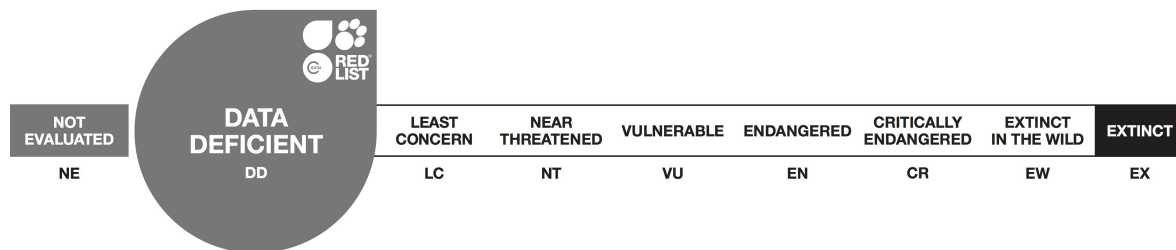


Misumena nigromaculata

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



View on www.iucnredlist.org

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Arthropoda	Arachnida	Araneae	Thomisidae

Taxon Name: *Misumena nigromaculata* Denis, 1963

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: Data Deficient [ver 3.1](#)

Year Published: 2018

Date Assessed: January 21, 2018

Justification:

Misumena nigromaculata is only known from Funchal and another unconfirmed locality on Madeira Island, Portugal. This species is assessed as Data Deficient (DD) due to the lack of knowledge on its distribution, ecology and possible threats. More research is needed in order to assess its extinction risk.

Geographic Range

Range Description:

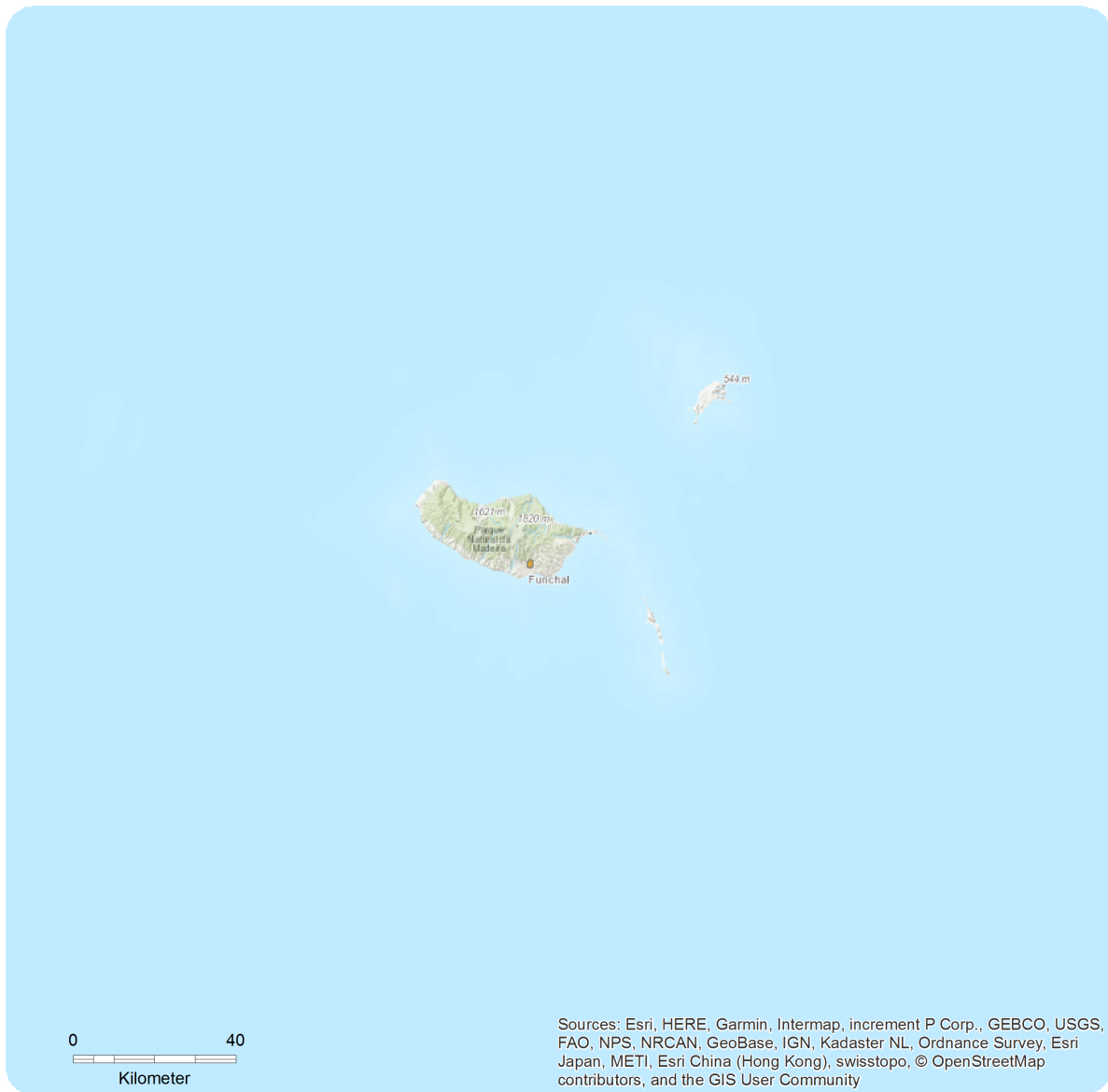
Misumena nigromaculata is known only from Funchal, south coast of Madeira Island, captured in October 1940 (Denis 1963) and was recently found with doubts in identification at Dunas da Piedade, Ponta de São Lourenco (unpublished). The species EOO and AOO are unknown.

Country Occurrence:

Native: Portugal (Madeira)

Distribution Map

Misumena nigromaculata



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

There is no information available about population size or trends.

Current Population Trend: Unknown

Habitat and Ecology (see Appendix for additional information)

The only place of confirmed presence in Funchal was largely occupied by farms and gardens at the time. The unconfirmed identification in Ponta de São Lourenço is on a semi-arid grassland. The ecology of *Misumena nigromaculata* is unknown, but congeners are ambush hunters in low vegetation, often seen waiting for prey on flowers.

Systems: Terrestrial

Use and Trade

This species is not utilized.

Threats (see Appendix for additional information)

The only confirmed locality and location is now mostly residential area in the outskirts of Funchal.

Conservation Actions (see Appendix for additional information)

No specific conservation measures are in place for this species and it is not known to occur within any protected area. If a small range is confirmed in the future the species should benefit from a recovery plan. However, the scarce information available precludes from advising on any concrete measures. The true distribution of the species should be assessed along with possible threats along its range. If threatened, a species conservation plan encompassing recovery actions and area management should be needed to ensure the species survival.

Credits

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

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

Bibliography

Denis, J. 1963. Spiders from the Madeira and Salvage islands. *Boletim do Museu Municipal do Funchal* 17: 29-48.

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

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?
4. Grassland -> 4.5. Grassland - Subtropical/Tropical Dry	Resident	Suitable	Yes
0. Root -> 16. Introduced vegetation	Resident	Suitable	Yes

Threats

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

Threat	Timing	Scope	Severity	Impact Score
1. Residential & commercial development -> 1.1. Housing & urban areas	Ongoing	Majority (50-90%)	Rapid declines	Medium impact: 7
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion 1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality 2. Species Stresses -> 2.3. Indirect species effects -> 2.3.7. Reduced reproductive success		

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: No
Occur in at least one PA: No
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

Conservation Actions in Place
Subject to recent education and awareness programmes: No
Included in international legislation: No
Subject to any international management/trade controls: No

Conservation Actions Needed

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

Conservation Actions Needed
3. Species management -> 3.2. Species recovery

Research Needed

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

Research Needed
1. Research -> 1.2. Population size, distribution & trends
1. Research -> 1.5. Threats
2. Conservation Planning -> 2.1. Species Action/Recovery Plan
2. Conservation Planning -> 2.2. Area-based Management Plan

Additional Data Fields

Distribution
Continuing decline in area of occupancy (AOO): Unknown
Extreme fluctuations in area of occupancy (AOO): Unknown
Continuing decline in extent of occurrence (EOO): Unknown
Extreme fluctuations in extent of occurrence (EOO): Unknown
Continuing decline in number of locations: Unknown
Extreme fluctuations in the number of locations: Unknown
Population
Continuing decline of mature individuals: Unknown
Extreme fluctuations: Unknown
Population severely fragmented: Unknown
Continuing decline in subpopulations: Unknown
Extreme fluctuations in subpopulations: Unknown

Population
All individuals in one subpopulation: Unknown
Habitats and Ecology
Continuing decline in area, extent and/or quality of habitat: Unknown
Generation Length (years): 1
Movement patterns: Not a Migrant

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