

Paraheliophanus jeanae, Jean's Jumping Spider

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Animalia	Arthropoda	Arachnida	Araneae	Salticidae

Taxon Name: *Paraheliophanus jeanae* Clark & Benoit, 1977

Common Name(s):

- English: Jean's Jumping Spider

Assessment Information

Red List Category & Criteria: Vulnerable B1ab(iii)+2ab(iii) [ver 3.1](#)

Year Published: 2014

Date Assessed: August 22, 2014

Justification:

This species is known from ten locations, four and three of which respectively form two loose clusters in the interior of the island; the three remaining locations are more peripheral and separated from the clusters by a minimum of two kilometres. This species has an extent of occurrence (EOO) of 48 km² and an area of occupancy (AOO) of 24 km². While not meeting the criteria for severely fragmented, the number of locations and decline in habitat quality qualify the species for Vulnerable status.

Geographic Range

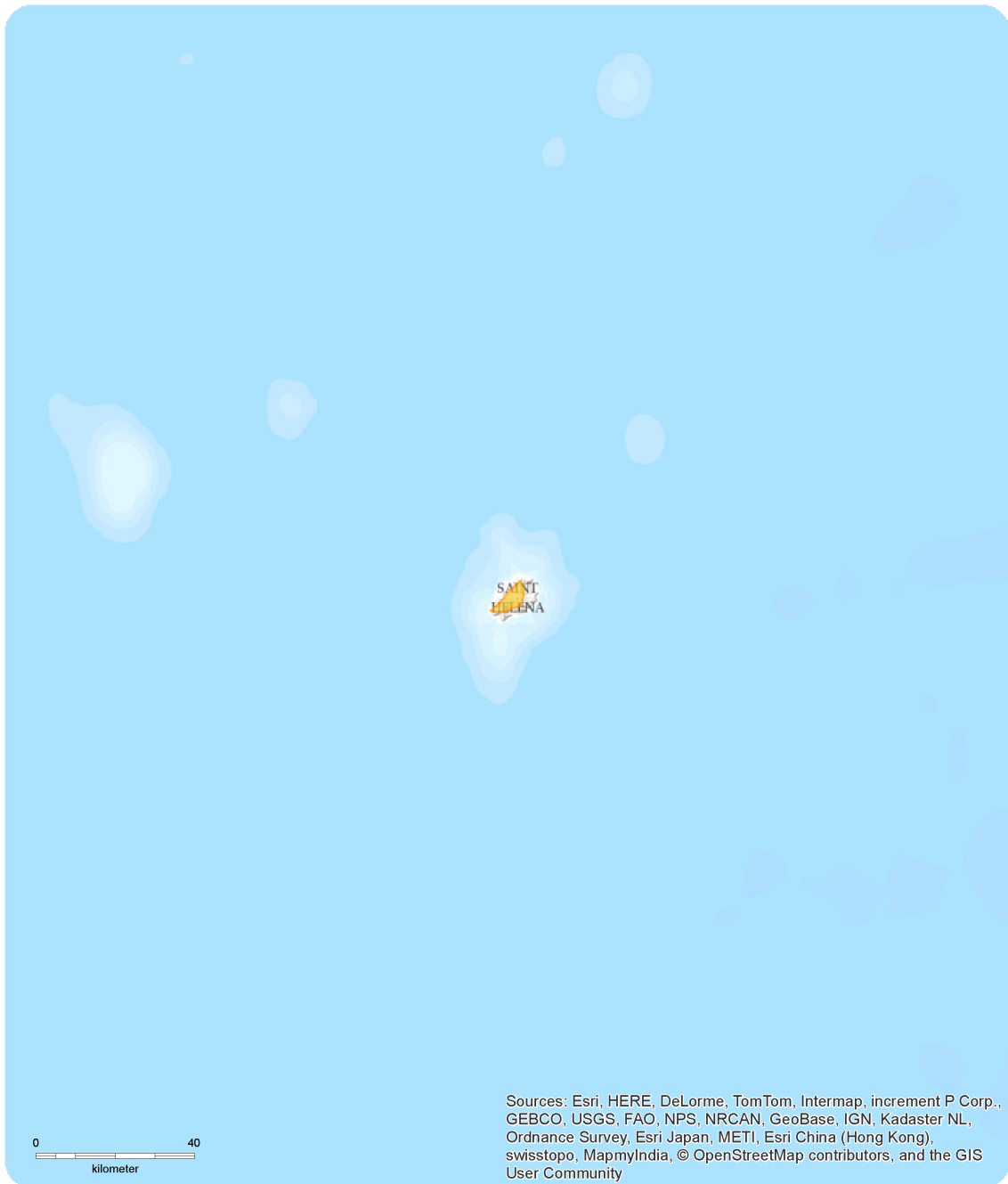
Range Description:

Endemic to the island of St Helena, in the South Atlantic Ocean, with all records from the 'Green Heartland' area of the island; the distribution data available indicate that it is present across quite a wide area but at fairly scattered sites.

Country Occurrence:

Native: Saint Helena, Ascension and Tristan da Cunha (Saint Helena (main island))

Distribution Map



Paraheliophanus jeanae

Range
■ Extant (resident)

Compiled by:
 St Helena National Trust



The boundaries and names shown and the designations used on this map do not imply any official endorsement, acceptance or opinion by IUCN.



Population

Of the ten locations that the species has been found in, six are in areas with endemic vegetation (Clark and Benoit 1977; Mendel, Ashmole and Ashmole 2008). The quality of habitat has been declining across these sites and there is increasing pressure from invasive non-native predatory species such as the spider *Latrodectus tredecimguttatus* (Rossi, 1790). It is therefore inferred that a decline in habitat quality will probably lead to a decline in the population of this species.

Current Population Trend: Decreasing

Habitat and Ecology (see Appendix for additional information)

This species appears to prefer intermediate elevations, being nearly absent from the very highest portions of the island but with all records from within the 'Green Heartland' area. It appears to be able to survive in both native and non-native habitat; however its precise habitat requirements are unknown.

Systems: Terrestrial

Threats (see Appendix for additional information)

There is increasing pressure from invasive non-native predatory species including ants and other spider species.

Conservation Actions (see Appendix for additional information)

Research should be undertaken to identify the precise habitat requirements of this species; any research and monitoring of it would be of value.

Credits

Assessor(s): Pryce, D. & White, L.

Reviewer(s): Gerlach, J.

Bibliography

Clark, D.J. and Benoit, P.L.G. 1977. Salticidae. In: Basilewsky, P. (Ed.). La faune terrestre de l'île de Sainte-Hélène. Quatrième partie. *Annales du Musée Royal de l'Afrique Centrale, Zoologie*. 220(87-103).

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Mendel, H., Ashmole, N.P., Ashmole, M.J. and Thorpe, E.A. 2008. Invertebrates of the Central Peaks and Peak Dale, St Helena. Commissioned by the St Helena National Trust, Jamestown, St Helena.

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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 -> 3.5. Shrubland - Subtropical/Tropical Dry	Resident	Unknown	-
14. Artificial/Terrestrial -> 14.2. Artificial/Terrestrial - Pastureland	Resident	Unknown	-
14. Artificial/Terrestrial -> 14.3. Artificial/Terrestrial - Plantations	Resident	Unknown	-

Threats

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

Threat	Timing	Scope	Severity	Impact Score
8. Invasive & other problematic species & genes -> 8.1. Invasive non-native/alien species -> 8.1.1. Unspecified species	Ongoing	Whole (>90%)	Slow, significant declines	Medium impact: 7
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.2. Species disturbance		

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: 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 -> 2.2. Invasive/problematic species control

Research Needed

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

Research Needed
1. Research -> 1.2. Population size, distribution & trends
1. Research -> 1.3. Life history & ecology
1. Research -> 1.5. Threats
3. Monitoring -> 3.1. Population trends

Additional Data Fields

Distribution
Estimated area of occupancy (AOO) (km ²): 24
Extreme fluctuations in area of occupancy (AOO): No
Estimated extent of occurrence (EOO) (km ²): 48
Extreme fluctuations in extent of occurrence (EOO): No
Number of Locations: 10
Extreme fluctuations in the number of locations: No
Lower elevation limit (m): 503
Upper elevation limit (m): 771
Population
Population severely fragmented: No
Habitats and Ecology
Continuing decline in area, extent and/or quality of habitat: Yes

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