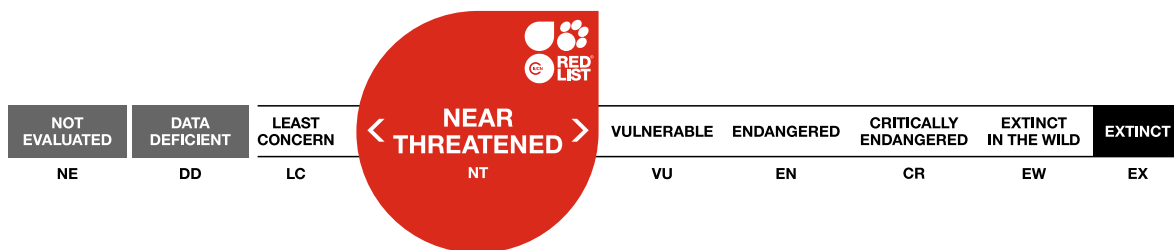




Orophea uniflora

Assessment by: Verspagen, N., Erkens, R.H.J., Amitha Bachan, K.H. & Devika, M.A.



View on www.iucnredlist.org

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Plantae	Tracheophyta	Magnoliopsida	Magnoliales	Annonaceae

Scientific Name: *Orophea uniflora* Hook.f. & Thomson

Taxonomic Source(s):

Board of Trustees, RBG Kew. 2020. Plants of the World Online Portal. Richmond, UK Available at: <http://www.plantsoftheworldonline.org>.

Assessment Information

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

Year Published: 2022

Date Assessed: July 12, 2020

Justification:

Orophea uniflora is a tree species endemic to the Western Ghats, India. It has a restricted distribution, scattered sparsely, with an extent of occurrence (EOO) of 13,281 km² and area of occupancy (AOO) of 60 km². This species occurs in areas that have been subject to habitat loss primarily from conversion to monoculture forest plantations, agricultural expansion and urbanisation. It is known from at least 14 locations and is assessed as Near Threatened.

Previously Published Red List Assessments

1998 – Vulnerable (VU)

<https://dx.doi.org/10.2305/IUCN.UK.1998.RLTS.T31160A9610284.en>

1998 – Indeterminate (I)

Geographic Range

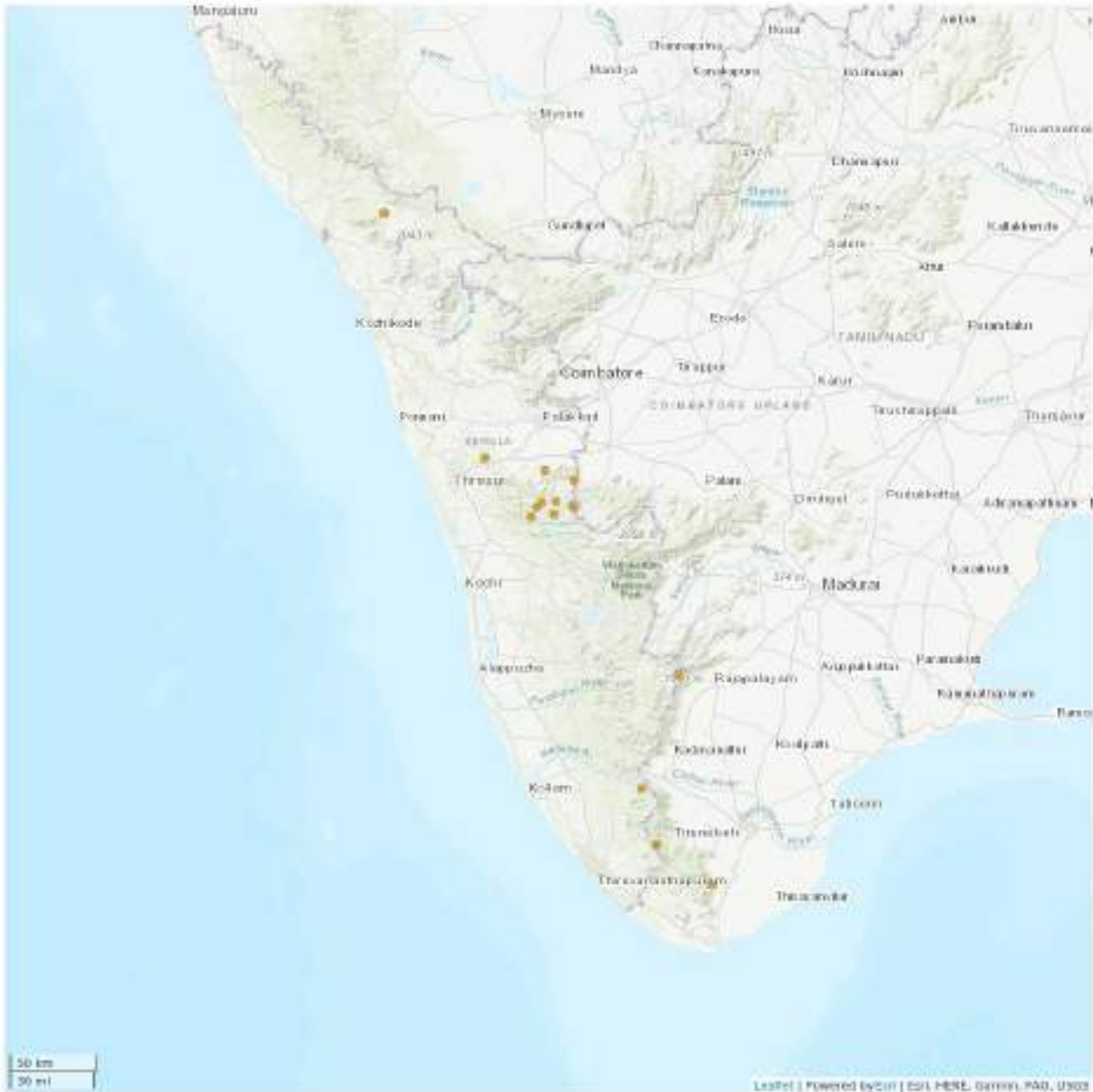
Range Description:

It appears to be scattered sparsely in the southern end of the Western Ghats.

Country Occurrence:

Native, Extant (resident): India (Karnataka, Kerala, Tamil Nadu)

Distribution Map



Legend
■ EXTANT (RESIDENT)

Compiled by:
 GTA 2021



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

Population

The population size and trend for this species are currently unknown.

Current Population Trend: Unknown

Habitat and Ecology (see Appendix for additional information)

An understorey tree of evergreen forest, ascending to altitudes of 1,200 m.

Systems: Terrestrial

Threats (see Appendix for additional information)

Habitat loss because of forest cover loss is a possible threat for all species of *Orophea* (Hansen *et al.* 2013). This species occurs in areas that have been subject to habitat loss primarily from conversion to monoculture forest plantations, agricultural expansion and urbanisation.

Conservation Actions (see Appendix for additional information)

Occurs in Wynaad in the Nilgiri Hills Biosphere Reserve and forest reserves.

Credits

Assessor(s): Verspagen, N., Erkens, R.H.J., Amitha Bachan, K.H. & Devika, M.A.

Reviewer(s): Hills, R.

Partner(s) and Institution(s): Botanic Gardens Conservation International

Bibliography

Board of Trustees, RBG Kew. 2020. Plants of the World Online Portal. Richmond, UK Available at: <http://www.plantsoftheworldonline.org>.

Dauby, G. 2018. ConR: Computation of Parameters Used in Preliminary Assessment of Conservation Status. Available at: <https://CRAN.R-project.org/package=ConR>.

Hansen, M.C., Potapov, P.V., Moore, R., Hancher, M., Turubanova, S.A., Tyukavina, A., Thau, D., Stehman, S.V., Goetz, S.J., Loveland, T.R., Kommareddy, A., Egorov, A., Chini, L., Justice, C.O. and Townshend, J.R.G. 2013. High-resolution global maps of 21st-century forest cover change. *Science* 342: 850-853.

IUCN. 2001. *IUCN Red List Categories and Criteria: Version 3.1*. Species Survival Commission. IUCN, Gland, Switzerland and Cambridge, UK.

IUCN. 2022. The IUCN Red List of Threatened Species. Version 2022-1. Available at: www.iucnredlist.org. (Accessed: 21 July 2022).

Nayar, M.P. and Sastry, A.R.K. (eds) 1988. *Red Data Book of Indian Plants*. Vol. 2. Botanical Survey of India, Calcutta.

Ramesh, B.R. and Pascal, J.-P. 1997. Atlas of endemics of the Western Ghats (India). Distribution of tree species in the evergreen and semi-evergreen forests. Institut Français de Pondichéry.

Citation

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External Resources

For [Supplementary Material](#), and 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 -> 1.6. Forest - Subtropical/Tropical Moist Lowland	Resident	Suitable	-

Plant Growth Forms

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

Plant Growth Form
T. Tree - size unknown

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	-	-	Low impact: 3
2. Agriculture & aquaculture -> 2.1. Annual & perennial non-timber crops -> 2.1.4. Scale Unknown/Unrecorded	Ongoing	-	-	Low impact: 3
2. Agriculture & aquaculture -> 2.2. Wood & pulp plantations -> 2.2.3. Scale Unknown/Unrecorded	Ongoing	Unknown	Unknown	Unknown
	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 -> 2.2. Species disturbance		
2. Agriculture & aquaculture -> 2.3. Livestock farming & ranching -> 2.3.4. Scale Unknown/Unrecorded	Ongoing	-	-	Low impact: 3
5. Biological resource use -> 5.3. Logging & wood harvesting -> 5.3.5. Motivation Unknown/Unrecorded	Ongoing	-	-	Low impact: 3

Conservation Actions in Place

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

Conservation Action in Place
In-place land/water protection
Occurs in at least one protected area: Yes

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

Additional Data Fields

Distribution
Estimated area of occupancy (AOO) (km ²): 60
Estimated extent of occurrence (EOO) (km ²): 13281
Number of Locations: 14
Upper elevation limit (m): 1,200
Habitats and Ecology
Continuing decline in area, extent and/or quality of habitat: Yes

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