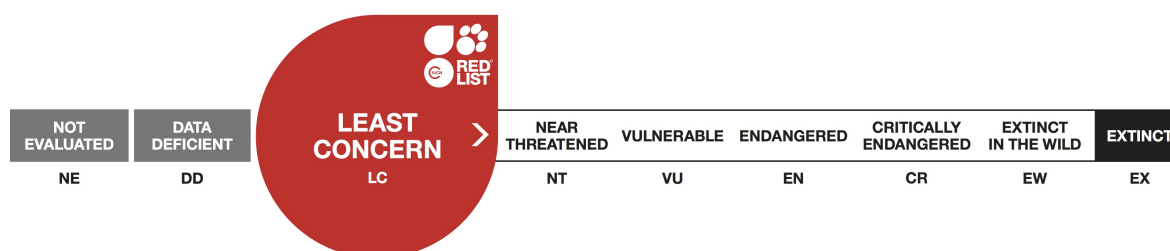


Microsorium pteropus

Assessment by: Lansdown, R.V.



View on www.iucnredlist.org

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Plantae	Tracheophyta	Polypodiopsida	Polypodiales	Polypodiaceae

Taxon Name: *Microsorum pteropus* (Blume) Copel.

Synonym(s):

- *Colysis pteropus* (Blume) Bosman
- *Colysis tridactyla* (Wall. ex Hook. & Grev.) J.Sm.
- *Colysis zosteriformis* (Wall. ex Mett.) J.Sm.
- *Drynaria dubia* J.Sm.
- *Drynaria tridactyla* (Wall. ex Hook. & Grev.) Fée
- *Kaulinia pteropus* (Blume) B.K.Nayar
- *Kaulinia zosteriformis* (Wall. ex Mett.) B.K.Nayar & S.Kaur
- *Leptochilus pteropus* (Blume) Fraser-Jenk.
- *Microsorum brassii* Copel.
- *Microsorum pteropus* (Blume) Copel.
- *Microsorum zosteriforme* (Wall. ex Mett.) Ching
- *Phymatodes tridactyla* (Wall. ex Hook. & Grev.) C.Presl
- *Phymatodes zosteriformis* C.Presl
- *Pleopeltis pteropus* (Blume) T.Moore
- *Pleopeltis pteropus* (Blume) Bedd.
- *Pleopeltis pteropus-minor* Bedd.
- *Pleopeltis tridactyla* (Wall. ex Hook. & Grev.) T.Moore
- *Pleopeltis zosteriformis* Bedd.
- *Polypodium aquaticum* H.Christ
- *Polypodium micropteris* Baker
- *Polypodium tridactylum* Wall. ex Hook. & Grev.
- *Polypodium udum* H.Christ
- *Polypodium zosteriforme* Wall. ex Mett.

Assessment Information

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

Year Published: 2011

Date Assessed: July 12, 2011

Justification:

The species occurs over a very large area and although the habitats in which it occurs are threatened by poor watershed and catchment management, logging and clear-felling for agriculture or development, it is unlikely to become extinct in the short term, it is therefore classed as Least Concern.

Geographic Range

Range Description:

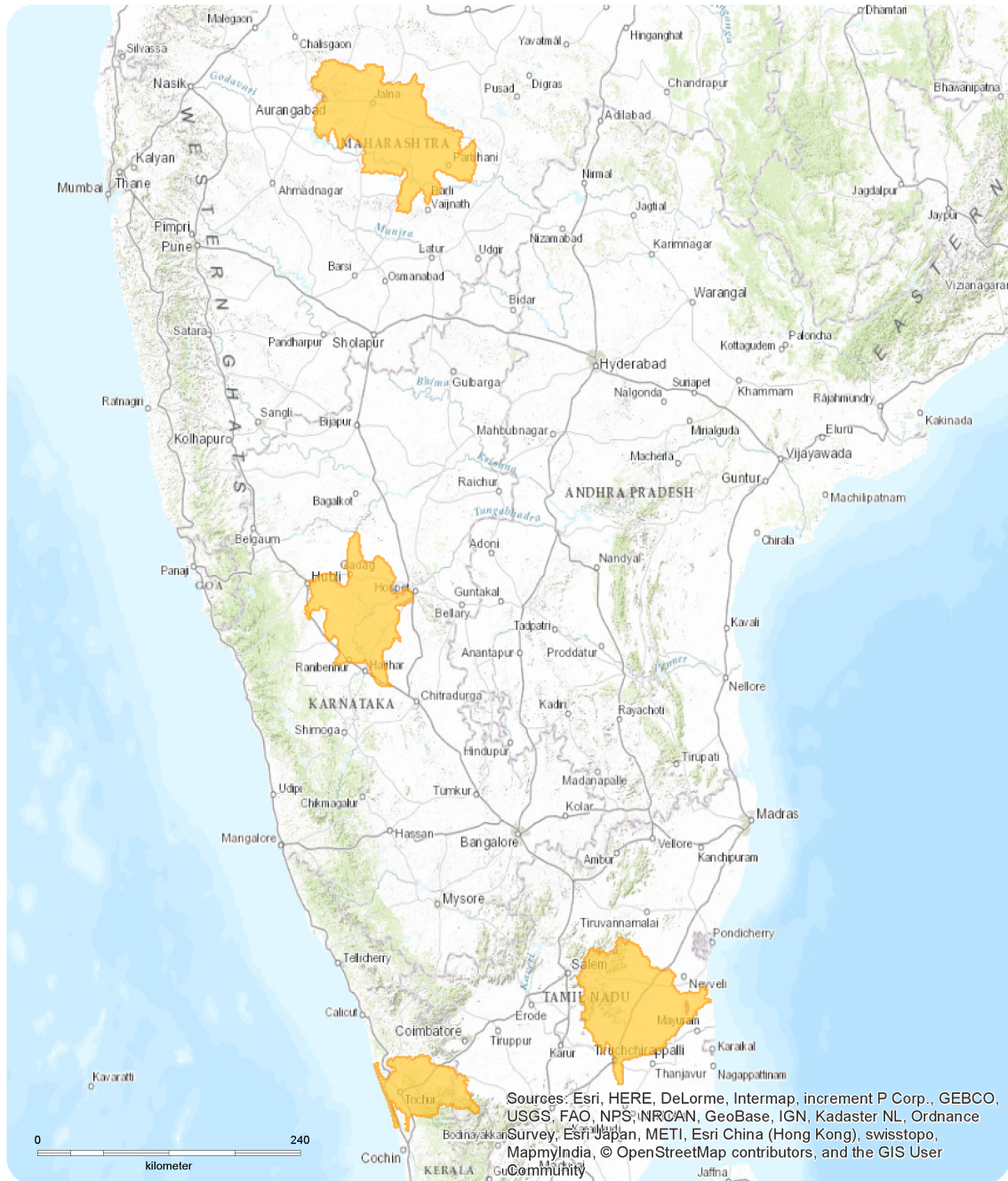
The species occurs from Sri Lanka, India (with records including Arunachal Pradesh, Kerala, Meghalaya,

Sikkim, and Tamil Nadu, and the Andaman and Nicobar islands; GRIN 2011), Bangladesh, Myanmar, Nepal to southern China (Guangdong, Guangxi, Guizhou, Yunnan; GRIN 2011), Taiwan, Province of China) and Japan (Ryukyu Islands), and south to Indochina (Thailand, Cambodia, Lao PDR, Viet Nam), Malaysia (including Sarawak), Indonesia and the Philippines. Also recorded from Papua New Guinea.

Country Occurrence:

Native: Bangladesh; Cambodia; China (Guangdong, Guangxi, Guizhou, Yunnan); Hong Kong; India (Andaman Is., Arunachal Pradesh, Assam, Kerala, Meghalaya, Nicobar Is., Sikkim, Tamil Nadu); Indonesia; Japan; Lao People's Democratic Republic; Malaysia; Myanmar (Myanmar (mainland)); Nepal; Papua New Guinea (Papua New Guinea (main island group)); Philippines; Taiwan, Province of China (Taiwan, Province of China (main island)); Thailand; Viet Nam

Distribution Map

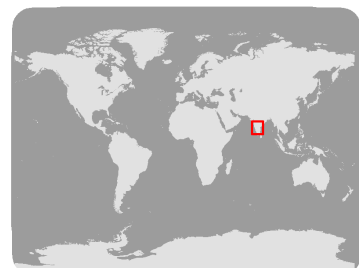


Microsorium pteropus

Range

Extant

Compiled by:
Mani, S. 2011



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 information available.

Current Population Trend: Unknown

Habitat and Ecology (see Appendix for additional information)

The species grows in the flood zone of shaded streams or on wet rocks, usually in the spray zone, in stream beds in dense forests in situations where the whole plant is immersed during high flows, 0-800 m alt., usually in spraying water, not so rare throughout the country. It is dependent upon clean water and intolerant of pollution.

Systems: Terrestrial, Freshwater

Use and Trade (see Appendix for additional information)

The species is found in the aquarium trade, however the source of material is not known.

Threats (see Appendix for additional information)

The species is a species which cannot tolerate stabilisation of water levels or intense scour and consequently is severely threatened by check dams and changes in flow regime.

Conservation Actions

None required.

Credits

Assessor(s): Lansdown, R.V.

Reviewer(s): Maxwell, J., Regalado, J. & Allen, D.

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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?
1. Forest -> 1.6. Forest - Subtropical/Tropical Moist Lowland	-	Suitable	Yes
1. Forest -> 1.9. Forest - Subtropical/Tropical Moist Montane	-	Suitable	Yes
5. Wetlands (inland) -> 5.1. Wetlands (inland) - Permanent Rivers/Streams/Creeks (includes waterfalls)	-	Suitable	Yes
0. Root -> 6. Rocky areas (eg. inland cliffs, mountain peaks)	-	Suitable	No

Use and Trade

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

End Use	Local	National	International
Pets/display animals, horticulture	No	No	Yes

Threats

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

Threat	Timing	Scope	Severity	Impact Score
7. Natural system modifications -> 7.2. Dams & water management/use -> 7.2.11. Dams (size unknown)	Future	Unknown	Causing/could cause fluctuations	Unknown
	Stresses:	1. Ecosystem stresses -> 1.1. Ecosystem conversion		
9. Pollution -> 9.1. Domestic & urban waste water -> 9.1.3. Type Unknown/Unrecorded	Ongoing	Unknown	Causing/could cause fluctuations	Unknown
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation		
9. Pollution -> 9.2. Industrial & military effluents -> 9.2.3. Type Unknown/Unrecorded	Ongoing	Unknown	Causing/could cause fluctuations	Unknown
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation		
9. Pollution -> 9.3. Agricultural & forestry effluents -> 9.3.4. Type Unknown/Unrecorded	Ongoing	Unknown	Causing/could cause fluctuations	Unknown
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation		

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