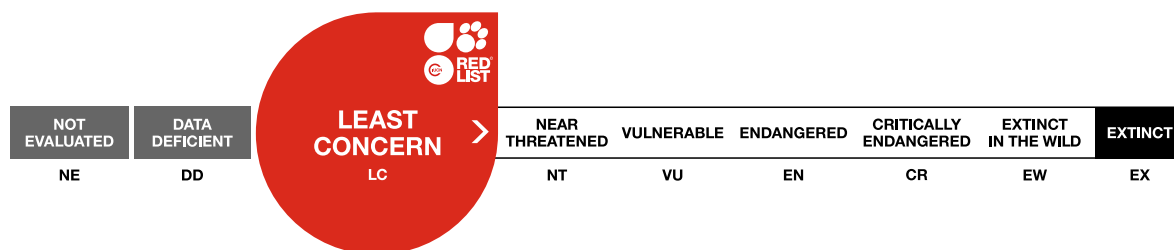


Parmotrema hypotropum, Powdered Ruffle Lichen

Assessment by: Yahr, R. *et al.*



View on www.iucnredlist.org

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Taxonomy

Kingdom	Phylum	Class	Order	Family
Fungi	Ascomycota	Lecanoromycetes	Lecanorales	Parmeliaceae

Scientific Name: *Parmotrema hypotropum* (Nyl.) Hale

Synonym(s):

- *Parmelia hypotropa* Nyl.

Common Name(s):

- English: Powdered Ruffle Lichen

Taxonomic Source(s):

Index Fungorum Partnership. 2021. Index Fungorum. Available at: <http://www.indexfungorum.org>.

Taxonomic Notes:

Recent phylogenetic studies have suggested that *Parmotrema hypotropum* can be found in two separate species-level lineages (Lendemer *et al.* 2015, Widhelm *et al.* 2016) and, therefore, that *P. hypotropum* may not be a monophyletic species.

Assessment Information

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

Year Published: 2021

Date Assessed: May 10, 2021

Justification:

Parmotrema hypotropum is widespread and abundant throughout eastern North America, and also present in Baja peninsula and inland Mexico. Its population size is inferred to be stable. Therefore, it is Least Concern.

Geographic Range

Range Description:

Parmotrema hypotropum is found throughout the eastern United States and Canada (Lendemer and Knapp 2007, Lewis and Brinker 2017, Brinker 2020), in addition to the Baja peninsula and inland Mexico (Coutiño and Mojica 1985, Knudsen and Kocourková 2009, León-González and Pérez-Pérez 2020). Collections attributed to this species have been made in France, Italy, Spain and Morocco, but they were incorrectly identified, and are not included in recent checklists (Hawksworth, *et al.* 2008; P. Divakar, *pers. comm.*).

Country Occurrence:

Native, Extant (resident): Canada; Mexico; United States

Distribution Map

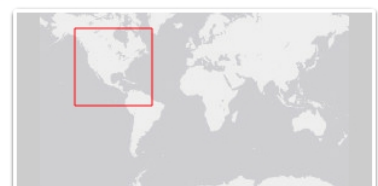


Legend

■ EXTANT (RESIDENT)

Compiled by:

IUCN 2021



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

Population

The population size of *Parmotrema hypotropum* is inferred to be stable.

Current Population Trend: Stable

Habitat and Ecology (see Appendix for additional information)

Parmotrema hypotropum grows on bark of trees and shrubs in temperate, subtropical and tropical forests, savannas and shrublands.

Systems: Terrestrial

Threats

It is not thought to face any significant threats.

Credits

Assessor(s): Yahr, R., Allen, J., Lymbery, C., Batallas-Molina, R., Bungartz, F., Dal Forno, M., Hodges, M., Lendemer, J., McMullin, T., Mertens, A., Paquette, H., Petix, M., Reese Næsborg, R., Roberts, F., Sharrett, S. & Villella, J.

Reviewer(s): Divakar, P.

Contributor(s): Anderson, F., Calabria, L., Glew, K., Hollinger, J., Howe, N., Kaminsky, L., Noell, N., Parrinello, C., Ramos, D., Restrepo, A., Root, H., Rosentreter, R., Scott, T., Stone, D. & Vargas, R.

Bibliography

- Brinker, S.R. 2020. Contributions to the Ontario flora of lichens and allied fungi, with emphasis on the Great Lakes Basin. *Opuscula Philolichenum* 19: 58-157.
- Coutiño, B. and Mojica, A. 1985. Líquenes de la Región del Cofre de Perote-Xalapa. *Revista Mexicana de Micología* 1: 379-399.
- Hawksworth, D.L., Blanco, O., Divakar, P.K., Ahti, T. and Crespo, A. 2008. A first checklist of parmelioid and similar lichens in Europe and some adjacent territories, adopting revised generic circumscriptions and with indications of species distributions. *The Lichenologist* 40(1): 1-21.
- IUCN. 2021. The IUCN Red List of Threatened Species. Version 2021-2. Available at: www.iucnredlist.org. (Accessed: 04 September 2021).
- Knudsen, K. and Kocourková. 2009. The Lichens and Lichenicolous Fungi of the Point Loma Conservation Area, San Diego, California, USA. *Evansia* 26(1): 24-29.
- Lendemer, J.C., Allen, J.L. and Noell, N. 2015. The *Parmotrema* acid test: a look at species delineation in the *P. perforatum* group 40 y later. *Mycologia* 107(6): 1120-1129.
- Lendemer, J.C. and Knapp, W.M. 2007. Contributions to the lichen flora of Maryland: Recent collections from the Delmarva Peninsula. *Opuscula Philolichenum* 4: 23-40.
- León-González, D. and Pérez-Pérez, R.E. 2020. Líquenes epífitos en *Juniperus flaccida* Schltdl. (Cupressaceae) – componente importante de los bosques templados de Oaxaca, México. *Acta Biológica Colombiana* 25(2): 235-245.
- Lewis, C.J. and Brinker, S.R. 2017. Notes on new and interesting lichens from Ontario, Canada - III. *Opuscula Philolichenum* 16: 153-187.
- Widhelm, T.J., Egan, R.S., Bertoletti, F.R., Asztolas, M.J., Kraichak, E., Leavitt, S.D., and Lumbsch, H.T. 2016. Picking holes in traditional species delimitations: an integrative taxonomic reassessment of the *Parmotrema perforatum* group (Parmeliaceae, Ascomycota). *Botanical Journal of the Linnean Society* 182(4): 868-884.

Citation

Yahr, R., Allen, J., Lymbery, C., Batallas-Molina, R., Bungartz, F., Dal Forno, M., Hodges, M., Lendemer, J., McMullin, T., Mertens, A., Paquette, H., Petix, M., Reese Næsborg, R., Roberts, F., Sharrett, S. & Villella, J. 2021. *Parmotrema hypotropum*. *The IUCN Red List of Threatened Species* 2021: e.T194661553A194678154. <https://dx.doi.org/10.2305/IUCN.UK.2021-2.RLTS.T194661553A194678154.en>

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External Resources

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Appendix

Habitats

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

Habitat	Season	Suitability	Major Importance?
1. Forest -> 1.4. Forest - Temperate	Resident	Suitable	-
1. Forest -> 1.6. Forest - Subtropical/Tropical Moist Lowland	Resident	Suitable	-
1. Forest -> 1.8. Forest - Subtropical/Tropical Swamp	Resident	Suitable	-
2. Savanna -> 2.1. Savanna - Dry	Resident	Suitable	-
2. Savanna -> 2.2. Savanna - Moist	Resident	Suitable	-
3. Shrubland -> 3.8. Shrubland - Mediterranean-type Shrubby Vegetation	Resident	Suitable	-

Plant Growth Forms

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

Plant Growth Form
M. Fungus
LC. Lichen

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