**Lichens of New Zealand, An Introductory Illustrated Guide, 2022 reprint**

**Lichen Name Changes from 2007 to February 2022**

Rapidly evolving DNA technology is revolutionising the way we see relationships between every living thing, from people to plants to lichens. Lichens are particularly complex, being symbiotic combinations of fungi and algae and/or cyanobacteria, each from a different kingdom. The taxonomy is still based on the identity of the dominant fungus. Name changes are coming thick and fast, and are likely to continue to do so - though the lichens themselves remain unchanged. The names in this Guide were based on the 2007 Flora of New Zealand Lichens. Over 20% of the names in the guide have changed since. *Allison Knight* allison.knight.nz@gmail.com

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| **2007 Flora of NZ Lichen name** | **2012 and 2018 DOC Checklist name changes** | **Notes and further Updates** |
| *Alectoria* *nigricans* | *Gowardia nigricans*  | reverted to *Alectoria*  |
| *Buellia griseovirens* | Misidentified in NZ. Unknown species | *Buellia griseovirens* is possibly not in NZ |
| *Buellia porulosa* | *Amandinea porulosa* |  |
| *Chrysothrix candelaris* | *Chrysothrix* sp*.* | Now 2 more NZ species, *C. xanthina* and *C. granulosa*. |
| *Cladia* *aggregata* | *Cladia* *aggregata* agg.  | Split into several cryptic species by DNA analysis |
| *Cladia retipora* |  | *Pulchrocladia retipora* |
| *Cladia sullivanii* |  | *Rexiella sullivanii* |
| *‘Dendriscocaulon dendroides’* | *Sticta dendroides* | Now a cyanobacterial *Sticta* |
| *Dirina neozelandica* | *Schismatomma neozelandicum* |  |
| *Everniastrum sorocheilum* | *Hypotrachyna sorocheila* |  |
| *Heterodermia leucomela* | *Leucodermia leucomelos* |  |
| *Heterodermia lutescens* | *Leucodermia lutescens* |  |
| *Icmadophila splachnirima* | *Knightiella splachnirima* | Returned to 1931 name*.* |
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| *Labyrintha implexa* | *Poeltidea implexa* |  |
| *Lecanora flotoviana* | *Lecanora semipallida* | *Polyozosia semipallida* |
| *Lecidea lapicida*  | *Lecidea lapicida* var. *lapicida* |  |
| *Lecidea lygomma* | *Lecidea* *lygomma* var. *lygomma* |  |
| *Lichenomphalia alpina* | *Lichenomphalia chromacea* | *L. alpina* is a N. Hemisphere species not found in NZ |
| *Megalospora gompholoma*  | *Megalospora gompholoma* subsp. *gompholoma* |  |
| *Melanelia calva* | *Melanelixia calva* | *Austromelanelixia calva* |
| *Melanelia glabratuloides* | *Melanelixia glabratuloides* | *Austromelanelixia glabratuloides* |
| *Ochrolechia parella* | *Opegrapha apiculata* |  |
| *Pannaria leproloma* | *Pannaria farinosa*  | Species split into two. *P. leproloma* has granular soredia |
| *Pannaria microphyllizans* | *Pannaria minutiphylla* |  |
| *Parmelia substestacea* | *Notoparmelia substestacea* |  |
| *Parmelia tenuirima* | *Notoparmelia tenuirima* |  |
| *Parmelina labrosa* | *Austroparmelina labrosa* |  |
| *Parmelina pseudorelicina* | *Austroparmelina pseudorelicina* |  |
| *Parmelinopsis afrorevoluta* | *Hypotrachyna afrorevoluta* |  |
| *Pertusaria otagoana* | *Pertusaria platystoma* | reverted to *Pertusaria otagoana* |
| *Pertusaria novaezelandiae* | *Lepra novaezelandiae* |  |
| *Pertusaria truncata* | *Lepra truncata* | may revert to *Pertusaria* |
| *Phaeographina arechavaletae* | *Platygramme arechavaletae* |  |
| *Pseudephebe pubescens* | *Pseudephebe pubescens* agg. | Possibly aggregate of several sp. |
| *Pseudocyphellaria aurata* | *Crocodia aurata* |  |
| *Pseudocyphellaria colensoi* | *Yarrumia colensoi* |  |
| *Pseudocyphellaria coronata* | *Yarrumia coronata* |  |
| *Pseudocyphellaria crocata* | *P. neglecta* | True *P. crocata* is not in NZ. 90% of specimens are now *P. neglecta*. |
| *Pseudocyphellaria degelii* | *Podostictina degelii* |  |
| *Pseudocyphellaria maculata* |  | *P. lechleri* |
| *Pseudocyphellaria pickeringii* | *Podostictina pickeringii* |  |
| *Pseudocyphellaria rubella* | *Crocodia rubella* |  |
| *Psoroma paleaceum* | *Psoroma hypnorum* var. *paleaceum* |  |
| *Pyrrhospora laeta* | *Ramboldia laeta* |  |
| *Rhizocarpon geographicum* | *Rhizocarpon geographicum* subsp. *geographicum* |  |
| *Pseudephebe pubescens*  | *P. pubescens* is not in NZ | *Pseudephebe minuscula* |
| *Sagenidium molle* |  | *Lecanactis mollis* |
| *Siphula foliacea* | *Parasiphula foliacea* |  |
| *Siphula fragilis* | *Parasiphula fragilis* |  |
| *Thamnolia vermicularis*  |  | *Thamnolia vermicularis* subsp*. vermicularis* |
| *Toninia aromatica* |  | *Toniniopsis aromatica* |
| *Toninia bullata* |  | *Bibbya bullata* |
| *Verrucaria maura* | *Hydropunctaria maura* |  |
| *Xanthoria elegans* | *Rusavskia elegans* |  |
| *Xanthoria ligulata* | *Dufourea ligulata* |  |

**References**

de Lange PJ, Galloway DJ, Blanchon DJ, Knight A, Rolfe JR, Crowcroft GM, Hitchmough R 2012. Conservation status of New Zealand lichens. New Zealand Journal of Botany 50, (3), 303-363

de Lange P.J., Blanchon, D.J., Knight, A., Frogley, K., Harris, A., and Rolfe. J.R.. 2018. Conservation status of New Zealand lichens. Published online by Department of Conservation, Wellington

**Useful Book**

Malcolm, B., Malcolm, N. 2018. *New Zealand Lichens*. Micro-Optics Press, Nelson

- Over 700 photos of New Zealand lichens

**Online Resources**

New Zealand Plant Conservation Network (NZPCN)

http://www.nzpcn.org.nz/page.aspx?flora\_non\_vascular\_lichens

- contains a pdf of this Lichen Guide, and a key to NZ Foliose Lichens, with illustrated glossary

Illustrated fact sheets for individual lichen species are in the process of being added

Index fungorum

<http://www.indexfungorum.org/Names/Names.asp>

- searchable list of all fungal names, including lichens

Recent Literature on Lichens

<http://nhm2.uio.no/botanisk/lav/RLL/RLL.HTM>

-searchable list of lichen publications

Australasian Lichenology – twice yearly online journal

https://nhm2.uio.no/botanisk/lav/RLL/AL/