**Lichens of New Zealand, An Introductory Illustrated Guide, 2019 re-print**

**Lichen Name Changes 2007 Flora – August 2019**

Rapidly evolving DNA technology is revolutionising the way we see relationships between every living thing, from people to plants and lichens. Lichens are particularly complex, being symbiotic combinations of fungi and algae or cyanobacteria, (or sometimes both), 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 Lichens1. Over 20% of the names in this guide have changed or been refined. *Allison* allison.knight.nz@gmail.com

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| **2007 Flora of NZ Lichen name** | **2012 and 2018 DOC Checklist name changes** | **Notes** |
| *Alectoria* *nigricans* | *Gowardia nigricans* |  |
| *Buellia griseovirens* | Misidentified in NZ. Unknown sp. | *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 |
| *‘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*.* |
| *Labyrintha implexa* | *Poeltidea implexa* |  |
| *Lecanora flotoviana* | *Lecanora dispersa* | L. dispersa can grow on rock as well as on bark. L. flotoviana is now called L. semipallida and grows on rock. |
| *Lecidea lapicida* | *Lecidea lapicida* var. *lapicida* |  |
| *Lecidea lygomma* | *Lecidea* 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* |  |
| *Melanelia glabratuloides* | *Melanelixia 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* |  |
| *Pertusaria novaezelandiae* | *Lepra novaezelandiae* |  |
| *Pertusaria truncata* | *Lepra truncata* |  |
| *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 degelii* | *Podostictina degelii* |  |
| *Pseudocyphellaria pickeringii* | *Podostictina pickeringii* |  |
| *Pseudocyphellaria rubella* | *Crocodia rubella* |  |
| *Psoroma paleaceum* | *Psoroma hypnorum* var. *paleaceum* |  |
| *Pyrrhospora laeta* | *Ramboldia laeta* |  |
| *Rhizocarpon geographicum* | *Rhizocarpon geographicum* subsp. *geographicum* |  |
| *Sagenidium molle* | *Lecanactis mollis* |  |
| *Siphula foliacea* | *Parasiphula foliacea* |  |
| *Siphula fragilis* | *Parasiphula fragilis* |  |
| *Verrucaria maura* | *Hydropunctaria maura* |  |
| *Xanthoria elegans* | *Rusavskia elegans* |  |
| *Xanthoria ligulata* | *Dufourea ligulata* |  |

**2019 Changes**

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| *Cladia retipora* | *Pulchrocladia retipora* |  |
| *Cladia sullivanii* | *Rexia sullivanii* |  |
| *Pseudocyphellaria crocata* | *P. neglecta* | True *P. crocata* is not in NZ. 90% of specimens are now *P. neglecta*. |
| *Pseudocyphellaria maculata* | *P. lechleri* |  |
| *Thamnolia vermicularis* | *Thamnolia vermicularis* subsp*. vermicularis* |  |
| *Toninia bullata* | *Bibbya bullata* |  |

**Additional Resources**

**Books**

1. Galloway, D.J., 2007. *Flora of New Zealand Lichens*. Revised Second Edition Vols. 1 & 2.

Manaaki Whenua Press, Lincoln

2. 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

3. 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

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

**Online Websites**

1. New Zealand Plant Conservation Network (NZPCN)

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

- contains a pdf of this Lichen Guide, an Illustrated key to NZ Foliose Lichens, with illustrated glossary and other helpful links.

2. iNaturalist <https://inaturalist.nz/projects/lichens-of-nz>

- global site for posting and discussing nature images, including a lichens of New Zealand Project.

3. Index fungorum <http://www.indexfungorum.org/Names/Names.asp>

- searchable list of all fungal names, including lichens

4. Recent Literature on Lichens <http://nhm2.uio.no/botanisk/lav/RLL/RLL.HTM>

-searchable list of lichen publications