

Rumohra adiantiformis
Tmesipteris tannensis
Trichomanes venosum

Monocotyledonous herbs

Astelia fragrans (karearea)
**Carex ovalis* (oval sedge)
Earina mucronata (peka-a-waka)
Juncus gregiflorus
Juncus novae-zelandiae.
Pterostylis banksii (tutukiwi,
greenhood orchid)
Pterostylis graminea
Uncinia rupestris
Uncinia uncinata (watu, hook
grass)

Dicotyledonous Herbs

Acaena anserinifolia (bidibidi)
Acaena juvenca
Anaphaloides bellidioides
Anaphaloides rupestris
Cardamine sp. (*C. debilis* agg.)
**Digitalis purpurea* (foxglove)
Epilobium atriplicifolium
Helichrysum filicaule
Hydrocotyle heteromeria
Nertera depressa
Nertera villosa
Ranunculus multiscarpus
Ranunculus reflexus (maruru, hairy
buttercup)
Schizeilema trifoliolatum
Senecio biserratus
Senecio minimus
Stellaria decipiens
**Stellaria graminea* (stitchwort)
Viola filicaulis

Lichen list from Botanical Society of Otago visit to Peggy's Hill DoC covenant, Otago Peninsula

By Allison Knight

In a brief 90 min visit on a cool damp winter afternoon two of us found over 30 lichens representing 26 different genera. Some, such as the pixie-cup *Cladonia*, the orange *Teloschistes*, beard-like *Usnea* and grey-green *Ramalina* are characteristic of high light habitats and were found on the margins of the forest remnant, or high in the canopy. Others, more characteristic of low light habitats, such as the nitrogen fixing *Collema*, *Psoroma* and *Parmeliella*, were found further in, under the low, dense and surprisingly dry canopy. In a depression by the spring near the centre of the covenant was a moister area, with a higher canopy shading fallen remains of the original mixed podocarp forest cover. Here, along with an increased density of filmy ferns,

mosses and liverworts, were several big foliose *Pseudocyphellaria* more typical of a larger forest. Overall, an encouraging nucleus for future regeneration was seen and a more thorough investigation would no doubt reveal many more species.

The lichen list:

List compiled by Allison Knight with the help of Jennifer Bannister. Lichens collected with the permission of John Barkla and the help of Peter Bannister and Robyn Bridges. Specimens lodged in the OTA herbarium.

<i>Bacidia</i> sp	<i>Physcia</i> sp
<i>Cladonia</i> spp	<i>Pseudocyphellaria corbettii?</i>
<i>Collema</i> spp	<i>P. dissimilis</i>
<i>Everniastrum sorocheilum</i>	<i>P. glabra</i>
<i>Graphis librata</i>	<i>P. multifida</i>
<i>Hypogymnia subphysodes</i>	<i>P. rufovirescens</i>
<i>Megalaria grossa</i>	<i>Psoroma leprolomum</i>
<i>Megalospora gompholona</i>	<i>Psoroma microphyllizans</i>
<i>Melanelia glabratuloides</i>	<i>Punctelia subflava</i>
<i>Menegazzia subpertusa</i>	<i>Ramalina celastri</i>
<i>Parmeliella nigrocincta</i>	<i>Ramalina inflexa</i>
<i>Parmelina</i> sp	<i>Sticta martinii</i>
<i>Parmelinopsis</i> sp	<i>Teloschistes chrysophthalmus</i>
<i>Parmotrema chinensis</i>	<i>Thelotrema circumscriptum</i>
<i>Pertusaria</i> sp	<i>Thelotrema lepadinum</i>
<i>Phlyctis sordida</i>	<i>Thelotrema</i> sp.
<i>Phlyctis subuncinata</i>	<i>Usnea</i> spp.
<i>Physcia stellaris</i>	

Other cryptogams:

List compiled by John Steel.

Fungi:

Weraroa erythrocephala
Xylaria castorea

Liverworts:

Frullania patula
Hymenophyton flabellatum
Plagiochila strombifolia

Mosses:

Camptochaete arbuscula
Cyathophorum bulbosum
Hypnum cupressiforme
Neckera pennata
Thuidium furfurosum
Weymouthia mollis