

orchids on
dbase

Bush roadside and on river flats Blue Rock Stream.

Map Ref. Centred on S27 115845 Alt. 180 – 200m

EW

- Pat Enright, Olaf John 28/4/01 (1hr) roadside and boggy ground inside the fence
- Pat Enright 6/5/01 (5hrs) true left bank along to raupo swamp.
- Pat Enright, Olaf John 19/5/01 (3hrs) wetland areas and area to north of the raupo swamp
- Pat Enright 26/5/01 (5hrs) wetland and true right side of creek
- Pat Enright, Olaf John, Peter Beveridge (3hrs) 9/6/01 general ramble
- Pat Enright, Tony Silbery, Olaf John, Peter & Barbara Beveridge (3hrs) 15/9/01
- Pat Enright, Peter Beveridge 29/9/01 (30mins) Boggy area to check corybas species
- Pat Enright, Olaf John (3hrs) 3/11/01 Boggy area, banks below typha swamp and under kanuka at road level
- Pat Enright, Olaf John 10/11/01 (5hrs)
- Pat Enright, Bryophyte workshop 25/11/01 (2hrs)

Site Description:

This area of bush is in the valley of the Blue Rock Stream on the property of John and Sarah Linton and on roadside reserve. The farm land is grazed and consequently has little in the way of herbaceous understory. Regeneration is also very much restricted with only the coprosma species showing any signs of success in this department. The stream meanders along the valley floor with cutoff channels forming areas of very slow moving water to swampy areas. There is a small area of raupo (*Typha orientalis*) swamp which seems to be formed from seepage from the higher ground by the road. The sides of the valley range from gentle slopes to 30+ metre vertical cliffs where the stream has cut back to bedrock. Often there is a "talus slope" of moss covered rocks. These slopes are the refuge for a lot of more palatable species and in quite a few cases the only place certain things are found.

The western end of the area has scattered black beech (*Nothofagus solandri*), totara (*Podocarpus totara*) and black maire (*Nestegis cunninghamii*) with narrow leaved lacebark (*Hoheria sexstylosa*), kowhai (*Sophora microphylla*) and mahoe (*Melicytus ramiflorus*) and understory of coprosma species. This grades into totara, kahikatea (*Dacrycarpus daerdyioides*), matai (*Prumnopitys taxifolia*), black beech on the valley floor with areas of tall kanuka (*Kunzea ericoides*), kowhai (*Sophora microphylla*) and totara. The southern slope which runs down from the road has lemonwood (*Pittosporum eugenioides*), red matipo (*Myrsine australis*), mahoe, five finger (*Pseudopanax arboreus*) and a varied shrub understory. The steeper true left has scattered hebe (*Hebe stricta var atkinsonii*), mountain flax (*Phormium cookianum*) and various ferns and grasses.

This site is notable for a number of reasons. There are plants present outside their normal range or environment. *Linum monogymum* is usually coastal and *Juncus novae-zelandiae* is usually found at higher altitudes. There are species that are uncommon in the Eastern Wairarapa area such as the sedges *Baumea tenax*, *Isopepis subtilissima* and *Lepidosperma australe* and the small herb *Schizeilema trifoliolatum*. *Coprosma linariifolia* is found here in relative abundance (the best site in Eastern Wairarapa) with good regeneration and some quite large specimens (40cm dbh). The raupo swamp and the related seepage areas have a number of species unique to them. There is one spot where the three *nestegis* species are growing together. There is an interesting occurrence of *Corybas orbiculatus* growing in a seepage area on carex bases. This appears to be the first time it has been found in the Wairarapa. Not far away in boggy ground, on a mounds formed by the roots of a manuka shrub, are several small patches of *Drosera binata* another rarity in the Wairarapa.

There are a few weed species which it would pay to control before they spread further. Cotoneaster (*Cotoneaster glaucophyllus*) and barberry (*Berberis glaucocarpa*) are the most prominent and because of their fruit, attract the birds such as kereru who spread the seeds even further. There is also a small patch of periwinkle (*Vinca major*) on the road verge that may have originated from garden rubbish.

There is minimal sign of possum control with only one bait station noted just outside the fence

Gymnosperm trees and shrubs

Dacrycarpus dacrydioides
Podocarpus totara
Prumnopitys ferruginea
Prumnopitys taxifolia

kahikatea
totara
miro
matai

Dicotyledonous trees and shrubs

Alectryon excelsus subsp. excelsus
Brachyglottis repanda
Carmichaelia australis
Carpodetus serratus
Coprosma areolata
Coprosma crassifolia
Coprosma linariifolia
Coprosma propinqua subsp. propinqua
Coprosma rigida
Coprosma rhamnoides
Coprosma robusta
Coprosma rotundifolia (unc)
Coprosma propinqua x C. robusta
Coriaria arborea
Cyathodes juniperina
Elaeocarpus dentatus
Elaeocarpus hookerianus (unc)
Fuchsia excorticata (unc)
Griselinia littoralis (unc)
Hebe stricta var. atkinsonii
Helichrysum aggregatum
Hoheria sexstylosa
Knightia excelsa
Kunzea ericoides
Leptospermum scoparium
Leucopogon fasciculatus
Lophomyrtus obcordata
Macropiper excelsum subsp. excelsum
Melicope simplex (unc)
Melicytus ramiflorus
Myoporum laetum
Melicytus ramiflorus
Myrsine australis
Nestegis cunninghamii
Nestegis lanceolata
Nestegis montana
Nothofagus solandri subsp. solandri
Olearia paniculata (unc)
Ozothamnus leptophyllus s.s.
Pennantia corymbosa
Pittosporum eugenioides
Pittosporum tenuifolium
Pomaderris phyllicifolia
Pseudopanax arboreus
Pseudopanax crassifolius
Raukawa anomalus (unc)
Solanum laciniatum (unc)
Sophora microphylla
Urtica ferox

titoki
rangiora
native broom
putaputaweta, marbleleaf

karamu

tree tutu
mingimingi
hinau
pokaka
tree fuchsia
broadleaf
koromiko

narrow leaved lacebark
rewarewa
kanuka
manuka
mingimingi
rohutu
kawakawa

mahoe
ngaio
mahoe
red matipo
black maire
white maire
narrow leaved maire
black beech

tauhinu
kaikomako
tarata, lemonwood
kohuhu

five finger
horoeka, lancewood

kowhai
ongaonga, tree nettle

Monocotyledonous trees and shrubs

Cordyline australis

ti, cabbage tree

Cordyline banksii (unc)

Monocotyledonous lianes

Ripogonum scandens (unc)

supplejack

Dicotyledonous lianes and related trailing plants

Calystegia tuguriorum
Clematis forsteri
Clematis paniculata
Metrosideros colensoi
Metrosideros diffusa
Metrosideros perforata
Muehlenbeckia australis
Muehlenbeckia complexa
Parsonsia capsularis
Parsonsia heterophylla
Passiflora tetrandra
Rubus cissoides
Rubus schmidelioides

akatea
akatea
pohuehue
pohuehue
N.Z. jasmine
N.Z. jasmine
passion vine
tataramoa, bush lawyer
tataramoa, bush lawyer

Psilopsids, Lycopods and Quillworts

Ferns

Adiantum cunninghamii
Asplenium appendiculatum subsp. *appendiculatum*
Asplenium flabellifolium
Asplenium flaccidum
Asplenium gracillimum
Asplenium hookerianum
Asplenium oblongifolium
Asplenium polyodon
Azolla filiculoides
Blechnum chambersii
Blechnum fluviatile
Blechnum membranaceum
Blechnum minus (of NZ authors)
Blechnum novae-zelandiae
Blechnum pennamarina (unc)
Blechnum triangularifolium
Cyathea medullaris (unc)
Dicksonia squarrosa (unc)
Hypolepis ambigua
Lastreopsis glabella (unc)
Microsorium pustulatum
Paesia scaberula
Pellaea rotundifolia
Pneumatopteris pennigera
Polystichum richardii
Polystichum vestitum (unc)
Pteridium esculentum
Pteris macilenta (unc)
Pteris tremula
Pyrrosia eleagnifolia

maidenhair fern
necklace fern
hanging spleenwort
huruhuruwhenua, shining spleenwort
petako, sickle spleenwort
nini
kiwakiwa
kiokio
mamaku
wheki
kowaowao, hounds tongue
tarawera, button fern
pakauroharoha, gully fern
pikopiko
rauaruhe, bracken
turawera, shaking brake
ota, leather leaf fern

Orchids

Acianthus sinclairii ✓
Caladenia aff. *carnea* ✓
Corybas macranthus ✓
Corybas orbiculatus growing in seepage areas on small mounds where it is not trampled ✓
Corybas rivularis agg. (*C. macranthus* var *longipetalus*) growing on limestone beside the creek ✓

Corybas trilobus agg. ✓
 Earina mucronata (unc) ✓
 Microtis unifolia ✓
 Praseophyllum colensoi ✓
 Pterostylis alobula ✓
 Pterostylis montana agg. ✓
 Thelymitra longifolia. ✓

Grasses

Dichelachne crinita (unc)
 Echinopogon ovatus
 Microlaena stipoides
 Poa anceps subsp. anceps
 Poa imbecilla

Sedges

Baumea tenax (unc)
 Carex dissita
 Carex inversa
 Carex lessoniana
 Carex maorica
 Carex secta
 Carex solandri (unc)
 Carex virgata
 Eleocharis acuta
 Eleocharis gracilis
 Isolepis habra (? unc)
 Isolepis reticularis
 Isolepis prolifer
 Isolepis subtilissima (very small plants with filiform leaves and culms - nuts 0.5 mm grey trigonous - glumes boat shaped with heavy green keel and dark red patches with well marked veins)
 Lepidosperma australe (unc)
 Schoenus maschalinus
 Uncinia laxiflora
 Uncinia leptostachya
 Uncinia rupestris (unc)

purei

Rushes and allied plants

Juncus australis
 Juncus caespiticius
 Juncus gregiflorus
 Juncus novae-zelandiae (unc)
 Juncus pallidus (unc)
 Juncus sarophorus
 Luzula picta var. picta

Remaining Monocotyledonous plants

Arthropodium candidum
 Dianella nigra (unc)
 Lemna minor
 Phormium cookianum
 Phormium tenax
 Typha orientalis

turutu, blueberry

harakeke
raupo

Daisy-like herbs (Composites)

Cotula australis
 Craspedia uniflora var. (There appear to be several entities here. One is a small plant growing in a boggy seepage (Craspedia minor). Another is found on exposed limestone boulders streamside and another was growing under scrub below black beech (Craspedia grandis))
 Eulichiton audax
 Eulichiton gymnocephala
 Lagenifera pumila

Lagenifera strangulata
Pseudognaphalium luteoalbum
Raoulia tenuicaulis
Senecio hispidulus
Senecio minimus (unc)
Senecio quadridentatus
Senecio lautus var. *lautus* (unc)

Dicotyledonous herbs other than Composites

Acacia anserinifolia
Australina pusilla (unc)
Cardamine sp. (*C. debilis* agg.) ("Long Style" of Pritchard 1957)
Crassula sieberiana (unc)
Dichondra repens agg.
Dichondra sp. (lvs to 10mm wide emarginate some scattered hairs but in the main glabrous. Growing in boggy ground.
 Matches description of *Dichondra* sp. (i) in Druce list 19 (Aorangi range)

Drosera binata
Drosera peltata
Epilobium billardierianum
Epilobium nummularifolium
Epilobium nerteroides
Epilobium pedunculare
Epilobium rotundifolium
Galium propinquum
Geranium microphyllum
Haloragis erecta
Hydrocotyle elongata
Hydrocotyle heteromeria
Hydrocotyle microphylla
Hydrocotyle moschata
Hydrocotyle novae zelandiae (a number of entities including "montana")
Hypericum japonicum

* *Linum monogynum* (unc)

rauhuia

Nertera depressa
Oxalis exilis

Oxalis magellanica

tukorehu

Plantago raoulii
Pratia angulata (leaves narrowly elliptic)

Ranunculus amphitrichus

Ranunculus reflexus

maruru, hairy buttercup

Schizaelema trifoliolatum

Urtica incisa

Wahlenbergia rupestris

Wahlenbergia violacea

Wahlenbergia rupestris x *W. violacea* (unc)

Mosses:

Acrophyllum dentatum
Breutelia affinis
Breutelia pendula
Bryum billardieri
Calliergonella cuspidata
Calypogon mnioides
Campylopus introflexus
Campylopus sp.
Cratoneuropsis relaxa
Dicranoloma robustum
Fissidens sp.
Fissidens sp.
Hedwigia ciliata
Hyprum cupressiforme var. mossmanianum?
Lembophyllum divulsum
Leptodon smithii
Macrocoma tenue
Neckara laevigata
Orthotrichum tasmanicum
Papillaria crocea
Ptychomnion aciculare
Racopilum crispulum
Rhapidorrhynchium amoenum
Thuidium furfurosus
Triquetrella papillata
Zygodon sp.

Birds:

bellbird
blackbird
black shag
eastern rosella
fantail
grey teal
grey warbler
marsh harrier
native pigeon
paradise duck
starling
spur winged plover
tui
waxeye
welcome swallow

