

WANGANUI PLANT LIST 90

Vascular Plants of Cold Creek, near Te Kiri, Opunake

(land added to Egmont National Park, from the properties
of R and J Looney and I and B Hooper)

Surveys by C Ogle, J Barkla, F Maxwell, M Cook (7-8 Dec. 1995)
and C Ogle and F Wilson (19 Jan 1996), 9 October 1996; C Ogle, J Clarkson, G La Cock 11 Jan 2000
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* = adventive species; species listed as (unc) = uncommon; (j) = only juvenile plants seen
Although the plants are all from one natural area, a few have been marked (H) or (L) to denote their
presence Hooper's or Looney's parts of it. This distinction was not made for all species recorded.

Gymnosperm Trees

<i>Dacrycarpus dacrydioides</i>	kahikatea
<i>Dacrydium cupressinum</i>	rimu
<i>Prumnopitys ferruginea</i> (unc)	miro

Dicot Trees and Shrubs

<i>Alseuosmia macrophylla</i> (u)	karapapa
<i>Aristotelia serrata</i> (j)	wineberry
<i>Ascarina lucida</i> (L)	hutu
<i>Beilschmiedia tawa</i>	tawa
<i>Brachyglottis kirkii</i> (u, H)	Kirk's tree daisy
<i>Carpodetus serratus</i>	putaputaweta
<i>Coprosma grandifolia</i>	raurekau
<i>C. lucida</i>	shining karamu
<i>C. robusta</i>	karamu
<i>C. tenuicaulis</i>	swamp coprosma
<i>C. tenuifolia</i>	
<i>C. sp</i> (unnamed; Species "t" of Eagle 1982)	
<i>Elaeocarpus dentatus</i>	hinau
<i>Fuchsia excorticata</i> (u)	kotukutuku, tree fuchsia
<i>Gaultheria antipoda</i>	snowberry
<i>Geniostoma rupestre</i> ssp. <i>ligustrifolium</i>	hangehange
<i>Griselinia littoralis</i> (j,L)	puka, broadleaf
<i>G. lucida</i>	puka, broadleaf
<i>Hebe "egmontiana"</i> (u,L)	koromiko
<i>Hedycarya arborea</i>	pigeonwood
<i>Knightia excelsa</i>	rewarewa
<i>Laurelia novae-zelandiae</i>	pukatea
<i>Leptospermum scoparium</i>	manuka
<i>Lophomyrtus aotearana</i> (H)	ramarama
<i>Melicytus ramiflorus</i>	mahoe
<i>Metrosideros robusta</i>	northern rata
<i>Nestegis cunninghamii</i>	black maire
<i>N. lanceolata</i>	white maire
<i>Olearia ilicifolia</i> (u,H)	mountain holly
<i>Pennantia corymbosa</i> (u)	kaikomako

Pseudopanax arboreus (u)	fivefinger
P. crassifolius	lancewood
Pseudowintera axillaris (u)	horopito, pepperwood
P. colorata (u)	horopito, pepperwood
Schefflera digitata	pate
Streblus heterophyllus (u,H)	turepo, small-leaved milktree
Syzygium maire	swamp maire
*Ulex europaeus	gorse
Weinmannia racemosa ssp. racemosa	kamahi

Dicot lianes

Clematis paniculata	puawananga
Metrosideros colensoi	white rata vine
M. diffusa	white rata vine
M. fulgens	scarlet rata vine
M. perforata	white rata vine
Rubus australis	
R. cissoides var. cissoides	bush lawyer
* R. fruticosus agg.	blackberry

Monocot Tree

Cordyline australis	cabbage tree
Rhopalostylis sapida ¹	nikau

Monocot lianes

Freycinetia baueriana ssp. banksii	kiekie
Ripogonum scandens	supplejack

Fern allies

Lycopodium varium	clubmoss
L. volubile	climbing clubmoss
Tmesipteris elongata	
T. tannensis	

Ferns

Asplenium bulbiferum	hen and chicken fern
A. flaccidum	hanging spleenwort
A. gracillimum	
A. oblongifolium	shining spleenwort
A. polyodon	sickle spleenwort
Blechnum chambersii	
B. colensoi	
B. discolor	crown fern
B. filiforme	climbing blechnum
B. fluviatile	
B. membranaceum	
B. minus (of NZ authors)	swamp kiokio
B. novae-zelandiae	kiokio

¹ I. Hooper (pers. comm. Oct 1996)

Ctenopteris heterophylla	
Cyathea medullaris	mamaku, black tree fern
C. smithii	katote, soft tree fern
Dicksonia fibrosa (j)	
D. squarrosa	wheki
Grammitis pseudociliata (u,H)	
Histiopteris incisa	water fern
Hymenophyllum demissum	filmy fern
H. dilatatum (H)	filmy fern
H. flabellatum	filmy fern
H. flexuosum	filmy fern
H. rarum	filmy fern
H. revolutum	filmy fern
H. sanguinolentum	filmy fern
Hypolepis ambigua	
H. distans (u,L)	
H. rufo barbata (u,L)	
Lastreopsis hispida	
Microsorium pustulatum	hound's tongue
M. scandens (H)	
Paesia scaberula	ring fern
Pneumatopteris pennigera (u)	
Polystichum vestitum	
Pteridium esculentum	bracken
Rumohra adiantiformis	
Trichomanes reniforme (H)	kidney fern
T. venosum	filmy bristle fern
 <u>Monocot Herbs</u>	
*Anthoxanthum odoratum	sweet vernal
Astelia ² grandis	swamp astelia
A. solandri	perching lily
Caladenia sp. (unidentified - possibly C. carnea)	
*Carex demissa	
C. dissita	
*C. ovalis	
C. secta var. secta	purei
C. solandri	
C. virgata	
Chiloglottis cornuta	
Chionochloa rubra (u,L)	red tussock
Collospermum hastatum	perching lily
C. microspermum	perching lily
Cortaderia fulvida	toetoe
C. toetoe	toetoe
Corybas oblongus (u,H)	spider orchid
*Cyperus tenellus	
Dendrobium cunninghamii	a perching orchid
Dianella nigra	turutu, blueberry

² *Astelia fragrans* occurs just inside Egmont national Park, over the boundary fence between Looney's property and the Park

Earina autumnalis	Easter orchid
E. mucronata	a perching orchid
Eleocharis acuta	sharp spike sedge
E. gracilis	slender spike sedge
Gahnia setifolia	
G. xanthocarpa	swamp gahnia
Isolepis distigmata	
I. reticularis	
*I. sepulchralis	
*Juncus articulatus	jointed-leaved rush
*J. effusus	soft rush
J. gregiflorus	
J. planifolius	
J. sarophorus	
*Luzula congesta	
L. picta s.s.	wood-rush
Microlaena avenacea	bush ricegrass
M. stipoides	meadow ricegrass
Microtis unifolia	onion-leaved orchid
Phormium tenax	harakeke, NZ flax
Poa sp. [P. anceps?]	
Potamogeton suboblongus	pondweed
Prasophyllum colensoi (u,H)	
Pterostylis banksii	green hood orchid
P. graminea [very small flowered form]	green hood orchid
P. sp. (unnamed; aff. P.montana)	green hood orchid
Schoenus maschalinus	
Spiranthes sinensis (H)	
Thelymitra longifolia	white sun orchid
Triglochin striatum (u,H)	arrow grass
Typha orientalis (H)	raupo
Uncinia uncinata	hooked sedge
U. zotovii	hooked sedge

Dicot Herbs

Acaena anserinifolia	piripiri, bidibid
Anaphalis sp. (= Helichrysum bellidioides)(u)	everlasting daisy
Callitriche muelleri (u)	NZ starwort
Cardamine sp. (unnamed; C. debilis agg.;	
C. "Broad Style" of Pritchard 1957)	NZ bittercress
*Centaurium erythraea	centaury
Centella uniflora	
*Cirsium palustre	marsh thistle
Epilobium alsinoides (u,L)	willowherb
E. brunnescens	"
E. chionanthum	"
E. pallidiflorum	"
E. pedunculare	"
*Galium palustre	marsh bedstraw
G. propinquum (u)	NZ bedstraw
Gnaphalium gymnocephalum	NZ cudweed
G. involucreatum	NZ cudweed

G. limosum	NZ cudweed
Gonocarpus micranthus	
Gratiola nana (u,H)	
Hydrocotyle microphylla	
H. moschata	hairy pennywort
Hypericum japonicum	
Lagenifera pumila	
Leptinella squalida ssp. squalida	cotula
Lobelia anceps	NZ lobelia
*Lotus pedunculatus	lotus major
*Mimulus moschatus	musk
*Myosotis laxa	water forget-me-not
Myriophyllum robustum (H)	water milfoil
Nertera depressa (H)	
N.setulosa	hairy nertera
Oxalis magellanica	
*Plantago australis	swamp plantain
Pratia angulata agg.	
*Prunella vulgaris	selfheal
Pseudognaphalium sp. (P. luteoalbum agg.)	cudweed
Ranunculus reflexus	bush buttercup
*R. repens	creeping buttercup
R. sp. (unidentified; prob. R. amphitrichus)	waoriki
Raoulia tenuicaulis (u,L)	scabweed
Senecio minimus	fireweed
*S. sylvaticus	wood groundsel
Stellaria decipiens	NZ chickweed
Urtica incisa	nettle
Viola filicaulis	bushviolet

Nationally Threatened Species

***Gratiola nana* (a small wetland herb):** national status vulnerable; scattered over some 200 m² of boggy pasture on the southern boundary of Hooper's bush; flowering on 8 Dec 1995 and 19 Jan 1996; 11 Jan 2000. New patches found west of original site, still close to fence-line, in 1999 (J & B Clarkson) and more found in same places on 11/1/00. Only one previous record in Egmont Ecological Region (and in Wanganui Conservancy of DoC), namely a collection by Thomas Kirk near Ngaere in 1886.

***Myriophyllum robustum* (large water milfoil):** national status declining; several patches seen under dense scrub (dominated by *Coprosma tenuicaulis*) in swamps along the southern boundary of Hooper's bush. This is the first and only record of this milfoil in Egmont Ecological Region, and in Wanganui Conservancy of DoC.

***Brachyglottis kirkii* (Kirk's tree daisy):** national status declining; one flowering shrub seen in a pukatea tree in swamp forest within the southern edge of Hooper's bush. Few recent records in or near Egmont NP, until about 50 were seen in Dec 1999 along roads into ENP; probably depleted by possums. More common in places in North Taranaki, but no recent records in most other parts of Wanganui Conservancy.

Other species of regional significance

***Ascarina lucida* (hutu)**: during our survey, some hundreds of hutu trees and shrubs were seen on Looney's property, on forest fringes and along old logging tracks and other disturbed areas of forest. Fossil pollen shows that hutu was a common tree of Taranaki in the early-mid Holocene period, but became scarce during or after the last glacial period; in European times it has been considered to be very rare and local in Egmont ER (Clarkson 1986), with a total of six known trees (McGlone and Neall 1994) in Egmont ER. McGlone (1982) states that hutu has not been recorded elsewhere in Taranaki Province, and, apart from one recent record in the Matemateaonga area (P Knightbridge, pers. comm.) it is not known in other parts of Wanganui Conservancy of DoC.

***Syzygium maire* (maire tawake, or waiwaka, or swamp maire)**: once an abundant tree on much of the Egmont ringplain, but mostly gone through land development. Scattered trees through much of Cold Creek RAP, though less dense than, e.g., in Norfolk Road RAP (much of which was cleared 1995-99). Scattered in valleys in North Taranaki, but seemingly absent between L Rotokare area and about Feilding; scattered trees from Feilding, Palmerston North and southwards.

***Hypolepis distans* (a fern)**: few records in Egmont ER, and only locally common in other parts of Wanganui Conservancy, mostly in swamps where it grows on large plants of *Carex secta*. Only one plant seen in Cold Creek RAP, on a trackside rotting tree stump in Looney's bush.

***Astelia grandis* (swamp astelia)**: common in low altitude swamps in Egmont NP, and occasional in undrained wetlands elsewhere in Egmont ER and North Taranaki; rare or absent from other parts of Wanganui Conservancy. Most losses are the result of grazing and conversion of wetlands to pasture.

***Gahnia xanthocarpa* (swamp gahnia)**: see *Astelia grandis*.

***Pterostylis graminea* (a greenhood orchid)**: Dr I St George (NZ Native Orchid Group, pers. comm.) saw a specimen from wetland in Hooper's bush and considered it to be smaller and more slender than most plants of this orchid that he'd seen; it may even prove to be an unnamed species. Even typical forms of *P. graminea* seem to be relatively uncommon in the Wanganui Conservancy.

***Spiranthes sinensis* (a pink flowered swamp orchid)**: a number of plants of this orchid occur in boggy areas both inside and outside the southern boundary fence of Hooper's area of forest. Few recent records in Taranaki though may have been seen in the Cold Creek area in 1960s (J Hedditch photo "towards ENP from Opunake"); seen in past in wetlands which are now in pasture, including Ngaere Swamp.

***Gratiola sexdentata* (a small wetland herb)**: few records in Egmont ER and other parts of Wanganui Conservancy. Locally common with *G. nana* in wet areas along southern boundary fence of "Hooper's" block.