

GALATEA FOOT HILLS TRACK

Graeme T. Jane

In dubious weather, a group of 12 set out from the Horomanga Stream for the Mangamate Stream some 8 km further south. Most of the track was under kanuka (*Kunzea ericoides*) 10-15 m tall, probably 60 years or more old with mahoe (*Melicytus ramiflorus*), five-finger (*Pseudopanax arboreus*), silver fern (*Cyathea dealbata*) and mamaku (*C. medullaris*) quite common. The middle part of the track closely followed the fenced boundary with pasture and was dominated by blackberry. Odd clearings in the kanuka, usually on gravel outwash fans from small streams were grassy and often blackberry (*Rubus fruticosus*) or *Muehlenbeckia* filled (both *M. australis* and *M. complexa*).

At both ends of the track, the taller forest was well developed and reasonably diverse; kawakawa (*Piper excelsum*) and privet (*Geniostoma ligustrifolium*) were especially abundant there. Titoki (*Alectryon excelsus*), pukatea (*Laurelia novae-zelandiae*) and *Sophora tetraptera* occurred sporadically at the northern end. Podocarps were virtually absent with just a few totara (*Podocarpus totara*) and a solitary miro sapling (*Prumnopitys ferruginea*) at the southern end. The middle part of the track between the Mangamutu and Ruarepuae streams was little used. Around the former stream where the track closely followed the park boundary, there were large areas of blackberry and reverting pasture. Here *Pelargonium inodorum* was quite common on the barer parts along with *Senecio quadridentatus* and *Verbascum virgatum*.

Unusual species of particular abundance were *Diplazium australe* and *Pellaea rotundifolia* and one dry face held much *Helichrysum lanceolatum*, a tempting place to seek *Teucrium parvifolium* (without success) but a recent shower dampened our interest. Filmy ferns were few, with *Hymenophyllum scabrum* being the most common on the ground and *H. sanguinolentum* epiphytic. At one point we were favoured with a broad swathe of *Acianthus sinclairii* and a few patches of *Diplodinium alobulum*, and *D. trullifolium* in full flower, but the orchid highlight was a huge *Drymoanthus adversus* on mingimingi (*Leucopogon fascicularis*)

with 14 very long leaves and two spikes with advanced flowers buds. The lovely soft *Lastreopsis velutina* was also found at one point.

Weeds were generally few, even on the grassy clearings. The greatest weed diversity was near civilisation at the track start (around the old hut site at the Horomanga Stream), in the Ruarepuae Stream bed and especially in the Mangamate Stream at the trip end. Here buddleia (*Buddleja davidii*), broom (*Cytisus scoparius*) and tree lupin (*Lupinus arboreus*) were abundant. At a few points, poplars, *Cotoneaster glaucophylla* and Chinese privet (*Ligustrum sinense*) were locally common where tracks led into the forest to a farm water intake. This is a common pattern in little disturbed native forest.

The birdlife was rich with many tui, pigeon, robin, whitehead, grey warbler and white-eye, especially towards the Mangamate Stream. About two-thirds of the way to the Mangamate stream, near the Ruarepuae Stream, the party split with one group heading onto the pasture margin in a vain search for *Muehlenbeckia ephedroides*, now swamped with broom (*Cytisus scoparius*) and long grass inside the fence, or perhaps grazed out of existence outside. After a long walk along the pasture margin viewing the kanuka forest beyond a fringe of totara and large swathes of blackberry we met up with the other group near the Mangamate Stream. Meanwhile, the other group continued along the track enjoying the best of the vegetation. Here the kanuka was taller and beginning to self-thin, creating gaps for a rich range of broad leaved species, mamaku and silver fern and a variety of ferns including especially abundant *Asplenium oblongifolium* and *Microsorium pustulatum* on a mossy carpet.

Galatea Foot Hills Track Vascular Plant Species List

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* = naturalised species

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|---|-----------------------|
| * <i>Acaena agnipila</i> var. <i>protenta</i> | |
| <i>Acaena anserinifolia</i> | bidibid |
| * <i>Acaena novae-zealandiae</i> | red bidibid; piripiri |
| * <i>Achillea millefolium</i> | yarrow |
| <i>Acianthus sinclairii</i> | heart-leaf orchid |
| <i>Adiantum cunninghamii</i> | maiden hair fern |

* <i>Agrostis capillaris</i>	browntop
<i>Alectryon excelsus</i> subsp. <i>excelsus</i>	titoki
* <i>Anagallis arvensis</i> var. <i>arvensis</i>	scarlet pimpernel
* <i>Anthoxanthum odoratum</i>	sweet vernal
* <i>Aphanes arvensis</i>	parsley piert
<i>Aristotelia serrata</i>	wineberry; makomako
<i>Arthropodium candidum</i>	star lily; repehinapapa
<i>Asplenium bulbiferum</i>	hen and chickens fern; moku
<i>Asplenium bulbiferum</i> × <i>A. flaccidum</i>	
<i>Asplenium bulbiferum</i> × <i>A. hookerianum</i>	
<i>Asplenium flaccidum</i>	hanging spleenwort; makawe
<i>Asplenium gracillimum</i>	
<i>Asplenium hookerianum</i> var. <i>hookerianum</i>	lacy spleenwort
<i>Asplenium oblongifolium</i>	shining spleenwort
<i>Asplenium polyodon</i>	sickle spleenwort; petako
<i>Astelia solandri</i>	kowharawhara
<i>Austroderia fulvida</i>	kakaho; toetoe
<i>Beilschmiedia tawa</i>	tawa
* <i>Berberis glaucocarpa</i>	barberry
<i>Blechnum chambersii</i>	nini; lance fern
<i>Blechnum discolor</i>	crown fern; piupiu; petipeti
<i>Blechnum fluviatile</i>	kiwakiwa; kiwikiwi
<i>Blechnum novae-zelandiae</i>	kiokio
<i>Blechnum vulcanicum</i>	
<i>Brachyglottis repanda</i>	rangiora; bushmans friend
* <i>Bromus willdenowii</i>	prairie grass
* <i>Buddleja davidii</i>	summer lilac; buddleia
<i>Calystegia tuguriorum</i>	NZ bindweed; powhiwhi
<i>Cardamine "Long Style"</i>	
* <i>Cardamine flexuosa</i>	wavy bitter cress
* <i>Cardamine hirsuta</i> var. <i>hirsuta</i>	bitter cress; spitting Jenny
<i>Carex "geminata large"</i>	
* <i>Carex divulsa</i>	
<i>Carex flagellifera</i>	
<i>Carex forsteri</i>	
<i>Carex geminata</i>	
<i>Carex lambertiana</i>	
<i>Carex solandri</i>	
<i>Carex virgata</i>	
<i>Carmichaelia australis</i>	whip broom; maukoro
<i>Carpodetus serratus</i>	putaputaweta; marbleleaf
* <i>Centaureum erythraea</i>	centaury
* <i>Cerastium fontanum</i> subsp. <i>vulgare</i>	mouse-eared chickweed
* <i>Chamaecytisus palmensis</i>	tree lucerne

* <i>Cirsium palustre</i>	marsh thistle
* <i>Cirsium vulgare</i>	Scotch thistle
<i>Clematis cunninghamii</i>	scented clematis; pokopoko
<i>Clematis paniculata</i>	clematis; puawhananga
* <i>Conyza sumatrensis</i>	
<i>Coprosma crassifolia</i>	
<i>Coprosma</i> × <i>cunninghamii</i>	
<i>Coprosma grandifolia</i>	raurekau; kanono; mamono
<i>Coprosma lucida</i>	karamu; shining karamu
<i>Coprosma rhamnoides</i>	thorny coprosma
<i>Coprosma robusta</i>	karamu
<i>Cordyline australis</i>	cabbage tree; ti-kouka
<i>Cordyline banksii</i>	forest cabbage tree; ti ngahere
<i>Coriaria arborea</i> var. <i>arborea</i>	tree tutu
* <i>Cornus capitata</i>	strawberry dogwood
* <i>Cortaderia selloana</i>	pampas
* <i>Cotoneaster glaucophyllus</i>	
* <i>Crepis capillaris</i>	hawkesbeard
<i>Cyathea dealbata</i>	ponga; silver fern
<i>Cyathea medullaris</i>	mamaku; black tree fern
* <i>Cyperus eragrostis</i>	
<i>Cyperus ustulatus</i>	coastal cutty grass
* <i>Cytisus scoparius</i>	broom
* <i>Dactylis glomerata</i>	cocksfoot
* <i>Daucus carota</i>	carrot
<i>Deparia petersenii</i>	
<i>Dianella nigra</i>	blueberry; turutu
* <i>Dianthus armeria</i>	Deptford pink
<i>Dichondra repens</i>	Mercury Bay weed
<i>Dicksonia fibrosa</i>	wheki-ponga; kuripaka
<i>Dicksonia squarrosa</i>	wheki; harsh tree fern
* <i>Digitalis purpurea</i>	foxglove
<i>Diplazium australe</i>	
<i>Diplodinium alobulum</i>	
<i>Diplodinium trullifolium</i>	trowel-leaved orchid
<i>Dodonaea viscosa</i>	akeake
<i>Doodia australis</i>	pukupuku; rasp fern
<i>Drymoanthus adversus</i>	
<i>Earina autumnalis</i>	Easter orchid; raupeka
<i>Earina mucronata</i>	spring orchid; peka-a-waka
<i>Echinopogon ovatus</i>	hedgehog grass
* <i>Echium vulgare</i>	viper's bugloss; blue borage
* <i>Epilobium ciliatum</i>	tall willow-herb
<i>Epilobium rotundifolium</i>	round-leaved willowherb

* <i>Erica lusitanica</i>	Spanish heath
* <i>Erigeron karvinskianus</i>	Mexican daisy
<i>Euchiton audax</i>	
<i>Euchiton involucratus</i>	creeping cudweed
* <i>Euphorbia lathyris</i>	caper spurge
* <i>Festuca rubra</i> subsp. <i>rubra</i>	red fescue
<i>Ficinia nodosa</i>	wiwi; leafless sedge
<i>Fuchsia excorticata</i>	fuchsia; kotukutuku
* <i>Galium aparine</i>	cleavers
<i>Galium propinquum</i>	
* <i>Gamochaeta coarctata</i>	
<i>Gaultheria antipoda</i>	snowberry; tawiniwini
<i>Geniostoma ligustrifolium</i> var. <i>ligustrifolium</i>	hangehange; privet
* <i>Genista monspessulana</i>	Montpellier broom
* <i>Geranium dissectum</i>	cut-leaved geranium
* <i>Geranium molle</i>	dove's foot crane's bill
* <i>Geranium purpureum</i>	small herb Robert
<i>Griselinia littoralis</i>	broadleaf; kapuka
<i>Griselinia lucida</i>	puka
<i>Haloragis erecta</i> subsp. <i>erecta</i>	toatoa
<i>Hebe stricta</i> var. <i>stricta</i>	koromiko
* <i>Hedera helix</i> subsp. <i>helix</i>	ivy
<i>Hedycarya arborea</i>	pigeonwood; porokaiwhiri
<i>Helichrysum lanceolatum</i>	niniao
<i>Hoberia sexstylosa</i>	houhere
* <i>Holcus lanatus</i>	Yorkshire fog
<i>Hydrocotyle dissecta</i>	
<i>Hydrocotyle elongata</i>	
<i>Hydrocotyle heteromeria</i>	wax weed
<i>Hydrocotyle moschata</i> var. <i>moschata</i>	
<i>Hymenophyllum demissum</i>	piripiri; irirangi
<i>Hymenophyllum dilatatum</i>	lop-sided filmy fern
<i>Hymenophyllum multifidum</i>	
<i>Hymenophyllum rarum</i>	wire-stemmed filmy fern
<i>Hymenophyllum sanguinolentum</i>	blood-scented filmy fern
<i>Hymenophyllum scabrum</i>	coarse-haired filmy fern
* <i>Hypericum androsaemum</i>	tutsan
* <i>Hypochaeris radicata</i>	catsear
<i>Hypolepis ambigua</i>	
<i>Ixerba brexioides</i>	tawari
* <i>Jacobaea vulgaris</i>	ragwort
* <i>Juncus articulatus</i>	jointed rush
<i>Juncus edgariae</i>	wiwi
* <i>Juncus tenuis</i> subsp. <i>tenuis</i>	track rush

<i>Knightsia excelsa</i>	rewarewa; NZ honeysuckle
<i>Kunzea ericoides</i> var. <i>ericoides</i>	kanuka; white teatree
* <i>Lactuca serriola</i>	prickly lettuce
* <i>Lamium purpureum</i>	red dead-nettle
* <i>Lapsana communis</i>	nipplewort
<i>Lastreopsis glabella</i>	felted fern
<i>Lastreopsis hispida</i>	hairy fern, hairy legs
<i>Lastreopsis microsora</i>	
<i>Lastreopsis velutina</i>	velvet fern
<i>Laurelia novae-zelandiae</i>	pukatea
* <i>Lepidium pseudotasmanicum</i>	narrow-leaved cress
* <i>Leucanthemum vulgare</i>	oxeye daisy
<i>Leucopogon fasciculatus</i>	mingimingi; kaikaitau
* <i>Leycesteria formosa</i>	Himalayan honeysuckle
<i>Libertia grandiflora</i>	
* <i>Ligustrum lucidum</i>	tree privet
* <i>Ligustrum sinense</i>	Chinese privet
* <i>Linum bienne</i>	pale flax
* <i>Lonicera japonica</i>	Japanese honeysuckle
* <i>Lotus pedunculatus</i>	lotus major
* <i>Lotus suaveolens</i>	hairy birdsfoot-trefoil
* <i>Lupinus arboreus</i>	tree lupin
<i>Luzula subclavata</i>	
<i>Lycopodium volubile</i>	waewae-koukou; climbing clubmoss
<i>Melicope simplex</i>	poataniwha
<i>Melicytus micranthus</i>	manakura; swamp mahoe
<i>Melicytus ramiflorus</i>	mahoe
<i>Microlaena avenacea</i>	bush rice grass; oat grass
<i>Microlaena stipoides</i>	forest rice grass
<i>Microseris scapigera</i>	
<i>Microsorium pustulatum</i> subsp. <i>pustulatum</i>	hound's tongue; kowaowao
<i>Microtis unifolia</i>	onion orchid
* <i>Modiola caroliniana</i>	creeping mallow
<i>Morelotia affinis</i>	
<i>Muehlenbeckia australis</i>	pohuehue
<i>Muehlenbeckia complexa</i>	pohuehue; wire vine
* <i>Mycelis muralis</i>	wall lettuce
* <i>Myosotis sylvatica</i> subsp. <i>sylvatica</i>	garden forget-me-not
<i>Myrsine australis</i>	red matipo; mapou
* <i>Nasturtium officinale</i>	watercress
<i>Nematoceras</i> "green knob"	
<i>Nertera depressa</i>	common nertera
<i>Nertera villosa</i>	
<i>Notogrammitis heterophylla</i>	

<i>Olearia furfuracea</i>	akepiro
<i>Olearia rani</i> var. <i>colorata</i>	heketara
<i>Oxalis exilis</i>	yellow oxalis; creeping oxalis
* <i>Oxalis latifolia</i>	fishtail oxalis
<i>Paesia scaberula</i>	scented fern; matata; ring fern
<i>Parietaria debilis</i>	
<i>Parsonsia capsularis</i> var. <i>capsularis</i>	small-flowered jasmine; akakiore
<i>Parsonsia heterophylla</i>	Maori jasmine; kaihu; kaiwhiria
<i>Pelargonium inodorum</i>	
<i>Pellaea rotundifolia</i>	tarawera; button fern
<i>Peperomia urvilleana</i>	wharanui
<i>Phormium tenax</i>	flax; harakeke
* <i>Phytolacca octandra</i>	inkweed
* <i>Pinus radiata</i>	Monterey pine; radiata
<i>Piper excelsum</i> subsp. <i>excelsum</i>	kawakawa; pepper tree
<i>Pittosporum tenuifolium</i>	black matipo; kohuhu
* <i>Plantago lanceolata</i>	ribwort; narrow-leaved plantain
<i>Pneumatopteris pennigera</i>	gully fern; pakau; pakauharoha
<i>Poa anceps</i> subsp. <i>anceps</i>	coastal poa
* <i>Poa annua</i>	annual poa
<i>Podocarpus cunninghamii</i>	Hall's totara; thin bark totara
<i>Podocarpus totara</i> var. <i>totara</i>	totara
<i>Polystichum silvaticum</i>	
<i>Polystichum wawranum</i>	common shield fern; pikopiko
<i>Pomaderris amoena</i>	tauhinu
* <i>Populus yunnanensis</i>	Yunnan poplar
<i>Prumnopitys ferruginea</i>	miro; brown pine
* <i>Prunella vulgaris</i>	selfheal
* <i>Prunus campanulata</i>	Taiwan cherry
<i>Pseudognaphalium luteoalbum</i>	Jersey cudweed
<i>Pseudopanax arboreus</i>	five-finger; puhou; whaupaku
<i>Pseudopanax crassifolius</i>	lancewood; horoeka
<i>Pseudowintera axillaris</i>	horopito
<i>Pteridium esculentum</i>	bracken; rauaruhe
<i>Pteris macilenta</i>	sweet fern
<i>Pteris tremula</i>	turawera
<i>Pterostylis banksii</i>	tutukiwi
* <i>Pyracantha crenatoserrata</i>	Nepalese firethorn
<i>Pyrrosia eleagnifolia</i>	leather-leaf fern
<i>Ranunculus reflexus</i>	maruru; hairy buttercup
* <i>Ranunculus repens</i>	creeping buttercup
<i>Ripogonum scandens</i>	supplejack; kareao
* <i>Rosa rubiginosa</i>	sweet briar
<i>Rubus cissoides</i>	bush lawyer; tataramoa

* <i>Rubus fruticosus</i>	blackberry
<i>Rubus schmidelioides</i> var. <i>schmidelioides</i>	bush lawyer; tataramoa
* <i>Rumex acetosella</i>	sheep's sorrel
* <i>Rumex obtusifolius</i>	broad-leaved dock
<i>Rytidosperma gracile</i>	forest fairy grass
* <i>Rytidosperma racemosum</i>	
<i>Schefflera digitata</i>	pate; patae; kotete
* <i>Senecio bipinnatisectus</i>	Australian fireweed
<i>Senecio glomeratus</i>	fireweed
<i>Senecio quadridentatus</i>	pekapeka; cotton fireweed
* <i>Senecio vulgaris</i>	groundsel
* <i>Silene coronaria</i>	rose campion
* <i>Sisymbrium orientale</i>	oriental mustard
* <i>Solanum chenopodioides</i>	velvety nightshade
<i>Solanum laciniatum</i>	poroporo
* <i>Solanum nigrum</i>	black nightshade
<i>Solanum nodiflorum</i>	small-flowered nightshade
* <i>Sonchus oleraceus</i>	sow thistle; puha; puka
<i>Sophora tetraptera</i>	large-leaved kowhai
* <i>Sporobolus africanus</i>	needle grass; rat's tail
* <i>Stellaria media</i> subsp. <i>media</i>	chickweed
<i>Stellaria parviflora</i>	
* <i>Taraxacum officinale</i>	dandelion
<i>Thelymitra pauciflora</i>	
<i>Imesipteris elongata</i>	
<i>Trichomanes venosum</i>	veined bristle fern
* <i>Trifolium arvense</i>	haresfoot trefoil
* <i>Trifolium dubium</i>	suckling clover
* <i>Trifolium pratense</i>	red clover
* <i>Trifolium repens</i>	white clover
* <i>Ulex europaeus</i>	gorse
<i>Uncinia ferruginea</i>	
<i>Uncinia gracilentata</i>	
<i>Uncinia scabra</i>	
<i>Uncinia uncinata</i>	watu
<i>Urtica ferox</i>	tree nettle; ongaonga
<i>Urtica incisa</i>	stinging nettle
* <i>Verbascum thapsus</i>	woolly mullein
* <i>Verbascum virgatum</i>	moth mullein
* <i>Verbena bonariensis</i>	purple-top
* <i>Veronica persica</i>	scrambling speedwell
* <i>Vulpia bromoides</i>	squirrel-tail fescue
<i>Wahlenbergia violacea</i>	blue harebell; rimu-roa
<i>Weinmannia racemosa</i>	kamahi; towai; tawhero