

Coromandel: Kaipawa Trig Tracks

Graeme Jane

On Sunday 7th November we visited Kaipawa Trig. The two tracks utilise three old mining trails, the first from the Whangapoua saddle follows a ridge route to a private mine. The second, the Success track, leads from the former Coromandel hospital to the former Success mine. A third, an older miner's sidle track, links the two past several mine entrances. The first was last bulldozed about 3 or 4 years ago and the second was cleared in the lower half about 5 years ago to access a plantation. Near the summit, the Success mine was last worked about the 1940s and the cleared area has very slowly reverted since. This results in a patchwork of changing vegetation.

On the first leg along the ridge the vegetation was initially through low secondary forest dominated by tawa, mahoe, pigeonwood, towai, red matipo, with occasionally kanuka or black matipo. Near the start weeds such as *Selaginella kraussiana*, Himalayan honeysuckle and Mexican devil were present but soon disappeared as the overhead cover increased. Here interesting plants included *Rubus australis*, toropapa and *Blechnum fraseri*. Initially there were scattered patches of more mature forest with emergent northern rata or pukatea standing out above tawa, hinau, and kohekohe with nikau and supplejack, kiekie and mangemange prominent in the subcanopy. Later there were patches of kanuka or kamahi and tawari. Here *Dracophyllum traversii* briefly appeared and miro became more common, and surprisingly, seedlings of taraire, here high on the ridge.

After the first track junction, the route followed an old miner's track across the slope. The forest there was more mature with abundant quintinia in full flower. In several small seepages filmy ferns were prominent, including the shade-loving *Trichomes elongatum* and the very hairy *Hymenophyllum frankliniae*. On the drier ridges, *Cordyline pumilio*, *Hebe macrocarpa* and a very broad-leaved *Olearia rani* attracted attention.

At the second intersection with the Success Track the party was reduced to two as the two women headed back to the cars, one to an afternoon appointment! Here the vegetation was suddenly reduced to a low scrub, often dominated by shrubby *Metrosideros perforata* and kamahi (or is it towai, as a transition between the two species appears to be occurring)

From there the track ascended steeply to the Kaipawa summit through patches of gorse, grass and a low scrub of *Coprosma autumnalis*, pepperwood, *Metrosideros perforata*, pigeonwood and tree ferns. This provided great views of the town, the Coromandel Peninsula from Te Kouma harbour to Moehau and a brief view of the other coast from Matarangi to the Mercury Islands group and the Aldermens. At the summit, the trig was now just overtopped by dense young tawari forest containing horopito and kamahi(?)

By the time we had returned to the Success Track junction our driver had already arrived and was waiting at the bottom of the Success Track, so we made a rapid descent. Initially the route is through quite mature secondary forest with emergent rewarewa and tanekaha and canopy of mahoe, hinau, and pigeonwood arched over the track. At the first stream Paul noted a "spring", coming from a portal neatly surrounded by a stone wall - apparently a drain for the mine, discharging a large volume of clear water. The gully was occupied by tawa, kohekohe forest with emergent pukatea and supplejack.

At a block of about 20-year-old pines, the track turned to a road, last cleared about 10 years ago. Here, ricker kauri about 15 m tall were scattered in tall kanuka. In the understorey hangehange and saplings of a wide range of canopy species were present, though in places *Gleichenia dicarpa* or *G. microphylla* formed dense mats. Near the bottom the track passed through radiata plantation containing a sub-canopy of native species such as kohekohe, taraire and puriri up to about 6 m tall. Finally, we emerged briefly through *Ligustrum lucidum* forest at the road end one hour later than our driver.

Kaipawa Track loop (Coromandel) species list

Graeme Jane & Gael Donaghy

Authors: G Jane; G Jane & G Donaghy; RBS

Visit Dates: 24-09-2005; 21-12-.2013; 6-11-2021

Map: BA35 **Grid Ref:** 1826140 5930660

*= exotic or naturalised

Psilopsids, Lycopods & Quillworts

Lycopodiella cernua

Lycopodium deuterodensum

Lycopodium scariosum

Lycopodium volubile

Phlegmariurus varius

* *Selaginella kraussiana*

puakarimu

creeping clubmoss

waewae-koukou; climbing clubmoss

hanging clubmoss; iwituna

Ferns

<i>Adiantum cunninghamii</i>	maidenhair fern
<i>Asplenium bulbiferum</i>	hen and chickens fern; moku
<i>Asplenium flaccidum</i>	hanging spleenwort; makawe
<i>Asplenium oblongifolium</i>	shining spleenwort
<i>Asplenium polyodon</i>	sickle spleenwort; petako
<i>Blechnum chambersii</i>	nini; lance fern
<i>Blechnum discolor</i>	crown fern; piupiu; petipeti
<i>Blechnum filiforme</i>	Climbing hard fern; thread fern
<i>Blechnum fluviatile</i>	kiwakiwa; kiwikiwi
<i>Blechnum fraseri</i>	
<i>Blechnum novae-zelandiae</i>	kiokio
<i>Cyathea dealbata</i>	ponga; silver fern
<i>Cyathea medullaris</i>	mamaku; korau; black tree fern
<i>Cyathea smithii</i>	soft-leaved tree fern; katote
<i>Dicksonia squarrosa</i>	wheki; harsh tree fern
<i>Gleichenia dicarpa</i>	waewaekaka; tangle fern
<i>Gleichenia microphylla</i>	waewaekaha; tangle fern
<i>Hymenophyllum demissum</i>	piripiri; irirangi
<i>Hymenophyllum dilatatum</i>	lop-sided filmy fern
<i>Hymenophyllum flabellatum</i>	fan fern
<i>Hymenophyllum frankliniae</i>	
<i>Hymenophyllum multifidum</i>	
<i>Hymenophyllum nephrophyllum</i>	kidney fern; raurenga
<i>Hymenophyllum rarum</i>	wire-stemmed filmy fern
<i>Hymenophyllum revolutum</i>	
<i>Hymenophyllum sanguinolentum</i>	blood-scented filmy fern
<i>Lastreopsis hispida</i>	hairy fern, hairy legs
<i>Leptopteris hymenophylloides</i>	single crepe fern; heruheru
<i>Loxogramme dictyopteris</i>	sexy fern
<i>Lygodium articulatum</i>	mangemange; bushmans mattress
<i>Microsorium pustulatum</i> subsp. <i>pustulatum</i>	hounds tongue; kowaowao
<i>Microsorium scandens</i>	mokimoki; fragrant fern
<i>Notogrammitis heterophylla</i>	
<i>Paesia scaberula</i>	scented fern; matata; ring fern
<i>Pneumatopteris pennigera</i>	gully fern; pakau; pakauharoha
<i>Pteridium esculentum</i>	bracken; rauaruhe
<i>Pyrrosia elaeagnifolia</i>	leather-leaf fern
<i>Rumohra adiantiformis</i>	butcher's fern
<i>Sticherus cunninghamii</i>	umbrella fern; kotuku; tapuwae
<i>Tmesipteris elongata</i>	
<i>Tmesipteris lanceolata</i>	
<i>Tmesipteris sigmatifolia</i>	
<i>Tmesipteris tannensis</i>	chain fern; fork fern
<i>Trichomanes elongatum</i>	bristle fern
<i>Trichomanes venosum</i>	veined bristle fern

Gymnosperm trees and shrubs

<i>Agathis australis</i>	kauri
--------------------------	-------

<i>Dacrydium cupressinum</i>	rimu, red pine
<i>Phyllocladus trichomanoides</i>	tanekaha; celery pine
* <i>Pinus pinaster</i> subsp. <i>pinaster</i>	maritime pine
* <i>Pinus radiata</i>	Monterey pine; radiata
<i>Podocarpus laetus</i>	Hall's totara; thin-bark totara
<i>Prumnopitys ferruginea</i>	miro; brown pine

Dicotyledonous trees and shrubs

* <i>Acacia mearnsii</i>	black wattle
* <i>Ageratina adenophora</i>	Mexican devil weed
<i>Alseuosmia macrophylla</i>	toropapa; shrubby honeysuckle
<i>Aristotelia serrata</i>	wineberry; makomako
<i>Beilschmiedia tarairi</i>	taraire
<i>Beilschmiedia tawa</i>	tawa
<i>Brachyglottis kirkii</i> var. <i>angustior</i>	
<i>Brachyglottis kirkii</i> var. <i>kirkii</i>	Kirk's daisy
<i>Brachyglottis repanda</i>	rangiora; bushman's friend
<i>Carpodetus serratus</i>	putaputaweta; marbleleaf
<i>Coprosma arborea</i>	mamangi; tree coprosma
<i>Coprosma autumnalis</i>	raurekau; kanono; mamono
<i>Coprosma lucida</i>	karamu; shining karamu
<i>Coprosma robusta</i>	karamu
<i>Coriaria arborea</i> var. <i>arborea</i>	tree tutu
<i>Corynocarpus laevigatus</i>	karaka; kopi
<i>Dodonaea viscosa</i>	akeake
<i>Dracophyllum traversii</i>	neinei
<i>Dysoxylum spectabile</i>	kohekohe
<i>Elaeocarpus dentatus</i> var. <i>dentatus</i>	hinau
<i>Gaultheria antipoda</i>	snowberry; tawiniwini
<i>Geniostoma ligustrifolium</i> var. <i>ligustrifolium</i>	hangehange; privet
<i>Griselinia lucida</i>	puka
<i>Hebe macrocarpa</i>	
<i>Hebe stricta</i> var. <i>stricta</i>	koromiko
<i>Hedycarya arborea</i>	pigeonwood; porokaiwhiri
<i>Ixerba brexioides</i>	tawari
<i>Knightia excelsa</i>	rewarewa; NZ honeysuckle
<i>Kunzea robusta</i>	kanuka
<i>Laurelia novae-zelandiae</i>	pukatea
<i>Leptospermum scoparium</i> var. <i>scoparium</i>	manuka; red teatree
<i>Leucopogon fasciculatus</i>	mingimingi; kaikaitau
* <i>Leycesteria formosa</i>	Himalayan honeysuckle
* <i>Ligustrum lucidum</i>	tree privet
<i>Lophomyrtus bullata</i>	ramarama
<i>Melicytus ramiflorus</i> subsp. <i>ramiflorus</i>	mahoe
<i>Metrosideros robusta</i>	northern rata
<i>Myrsine australis</i>	red matipo; mapou
<i>Myrsine salicina</i>	toro
<i>Nestegis cunninghamii</i>	black maire
<i>Nestegis lanceolata</i>	white maire

<i>Olearia rani</i> var. <i>rani</i>	heketara
<i>Olearia townsonii</i>	Traill's tree daisy
<i>Piper excelsum</i> subsp. <i>excelsum</i>	kawakawa; pepper tree
<i>Pittosporum tenuifolium</i>	black matipo; kohuhu
* <i>Prunus serrulata</i>	Japanese hill cherry
<i>Pseudopanax arboreus</i>	five-finger; puhou; whaupaku
<i>Pseudopanax crassifolius</i>	lancewood; horoeka
<i>Pseudopanax lessonii</i>	houpara
<i>Pseudowintera axillaris</i>	horopito
* <i>Psoralea pinnata</i>	dally pine
<i>Pterophylla sylvicola</i>	towai; tawhero
<i>Quintinia serrata</i>	Westland quintinia; tawheowheo
<i>Raukawa edgerleyi</i>	rauakawa
* <i>Rhaphiolepis bibas</i>	loquat
<i>Schefflera digitata</i>	pate; patae; kotete
* <i>Solanum mauritianum</i>	woolly nightshade
* <i>Ulex europaeus</i>	gorse

Dicotyledonous lianes and related trailing plants

* <i>Calystegia silvatica</i>	great bindweed
<i>Clematis cunninghamii</i>	scented clematis; pokopoko
<i>Clematis paniculata</i>	clematis; puawhananga
* <i>Jasminum mesnyi</i>	primrose jasmine
* <i>Lonicera japonica</i>	Japanese honeysuckle
<i>Metrosideros diffusa</i>	white climbing rata; akatea
<i>Metrosideros fulgens</i>	scarlet rata; winter rata
<i>Metrosideros perforata</i>	aka; small white rata; torotoro
<i>Muehlenbeckia australis</i>	pohuehue
<i>Parsonsia heterophylla</i>	Maori jasmine; kaihu; kaiwhiria
* <i>Passiflora tarminiana</i>	northern banana passionfruit
<i>Rubus australis</i>	bush lawyer
<i>Rubus cissoides</i>	bush lawyer; tataramoa
* <i>Rubus fruticosus</i>	blackberry
<i>Rubus schmidelioides</i> var. <i>schmidelioides</i>	bush lawyer; tataramoa

Daisy-like herbs

* <i>Bellis perennis</i>	lawn daisy
* <i>Cirsium vulgare</i>	Scotch thistle
* <i>Crepis capillaris</i>	hawksbeard
* <i>Erechtites hieraciifolius</i>	American fireweed
* <i>Erigeron sumatrensis</i>	broad-leaved fleabane
<i>Euchiton involucreatus</i>	creeping cudweed
<i>Euchiton limosus</i>	swamp cudweed
<i>Euchiton sphaericus</i>	Japanese cudweed
* <i>Gamochaeta coarctata</i>	
* <i>Hypochaeris radicata</i>	catsear
* <i>Jacobaea vulgaris</i>	ragwort
* <i>Lapsana communis</i>	nipplewort
* <i>Leucanthemum vulgare</i>	oxeye daisy

<i>Microseris scapigera</i>	Jersey cudweed
<i>Pseudognaphalium luteoalbum</i>	Australian fireweed
<i>Senecio bipinnatisectus</i>	Onehunga weed
* <i>Soliva sessilis</i>	

Dicotyledonous herbs other than Daisies

* <i>Ammi majus</i>	bullwort
<i>Callitriche petriei</i> subsp. <i>petriei</i>	
* <i>Callitriche stagnalis</i>	starwort
* <i>Cardamine flexuosa</i>	wavy bitter cress
* <i>Centaureum erythraea</i>	centuary
<i>Centella uniflora</i>	
* <i>Cerastium fontanum</i> subsp. <i>vulgare</i>	mouse-eared chickweed
* <i>Digitalis purpurea</i>	foxglove
<i>Drosera auriculata</i>	
<i>Geranium solanderi</i>	
<i>Haloragis erecta</i> subsp. <i>erecta</i>	toatoa
<i>Hydrocotyle novae-zeelandiae</i> var. <i>novae-zeelandiae</i>	common pennywort
<i>Lobelia anceps</i>	wild lobelia
<i>Lobelia angulata</i>	panakenake
* <i>Lotus pedunculatus</i>	lotus major
<i>Nertera depressa</i>	common nertera
<i>Nertera dichondrifolia</i>	hairy nertera
<i>Oxalis rubens</i>	
* <i>Phytolacca octandra</i>	inkweed
* <i>Plantago australis</i>	swamp plantain
* <i>Plantago lanceolata</i>	ribwort; narrow-leaved plantain
* <i>Plantago major</i>	broad-leaved plantain
* <i>Prunella vulgaris</i>	selfheal
<i>Ranunculus membranifolius</i>	
<i>Ranunculus reflexus</i>	maruru; hairy buttercup
* <i>Ranunculus repens</i>	creeping buttercup
* <i>Solanum nigrum</i>	black nightshade
* <i>Trifolium repens</i>	white clover
* <i>Verbena bonariensis</i>	purple-top
* <i>Veronica arvensis</i>	field speedwell
<i>Veronica plebeia</i>	Australian speedwell
* <i>Veronica serpyllifolia</i>	turf speedwell
<i>Wahlenbergia violacea</i>	blue harebell; rimu-roa

Monocotyledonous trees and shrubs

<i>Cordyline australis</i>	cabbage tree; ti-kouka
<i>Cordyline banksii</i>	forest cabbage tree; ti ngahere
<i>Cordyline pumilio</i>	ti rauriki; dwarf cabbage tree
<i>Rhopalostylis sapida</i>	nikau

Monocotyledonous lianes

* <i>Asparagus asparagoides</i>	smilax
---------------------------------	--------

- * *Asparagus scandens* snake feather
- Freycinetia banksii* kiekeie
- Ripogonum scandens* supplejack; kareao

Sedges

- Carex dissita*
- Carex lambertiana*
- Carex lessoniana*
- Carex megalepis*
- Carex solandri*
- Carex uncinata* watu
- * *Cyperus eragrostis*
- Gahnia pauciflora*
- Gahnia setifolia*
- Isolepis distigmata*
- Isolepis inundata*
- * *Isolepis sepulcralis*
- Schoenus maschalinus*
- Schoenus tendo*

Rushes and allied plants

- * *Juncus articulatus* jointed rush
- * *Juncus bufonius* var. *bufonius* toad rush
- Juncus edgariae* wiwi
- * *Juncus effusus* var. *effusus* soft rush
- Juncus planifolius*
- Juncus prismatocarpus*
- * *Juncus tenuis* subsp. *tenuis* track rush
- * *Luzula campestris*
- * *Luzula multiflora*

Grasses

- * *Agrostis capillaris* browntop
- * *Anthoxanthum odoratum* sweet vernal
- Austroderia fulvida* kakaho; toetoe
- * *Axonopus fissifolius* narrow-leaved carpet grass
- * *Bromus catharticus* var. *catharticus* prairie grass
- * *Cortaderia selloana* pampas
- * *Dactylis glomerata* cocksfoot
- * *Entolasia marginata* bordered panic grass
- * *Holcus lanatus* Yorkshire fog
- * *Lolium perenne* perennial ryegrass
- Microlaena avenacea* bush rice grass; oat grass
- Microlaena stipoides* forest rice grass
- Oplismenus hirtellus* subsp. *imbecillis* oat grass
- * *Paspalum dilatatum* paspalum
- * *Paspalum urvillei* Vasey grass
- * *Poa annua* annual poa
- Rytidosperma gracile* forest fairy grass

- * *Rytidosperma penicillatum*
- * *Rytidosperma racemosum*
- Rytidosperma unarede* cliff fairy grass
- * *Sporobolus africanus* needle grass; ratstail

Remaining Monocotyledonous herbs

- * *Aristea ecklonii*
- Astelia hastata* kahakaha
- Astelia solandri* kowharawhara
- * *Crocasmia xrocosmiiflora* montbretia
- Dianella nigra* blueberry; turutu
- * *Hedychium gardnerianum* wild ginger
- * *Tradescantia fluminensis* wandering Jew

Orchids

- Bulbophyllum pygmaeum*
- Corybas acuminatus*
- Corybas oblongus*
- Corybas trilobus*
- Dendrobium cunninghamii* bamboo orchid
- Earina autumnalis* Easter orchid; raupeka
- Earina mucronata* spring orchid; peka-a-waka
- Pterostylis alobula*
- Pterostylis banksii* tutukiwi
- Thelymitra longifolia* white sun orchid
- Thelymitra pauciflora*

Okareka mistletoe restoration project Weed control/plant releasing work day for 2022

Come and join Rotorua Botanical Society to control weeds threatening mistletoe sites and plant new host trees. Activities will involve hand-pulling, cutting, sawing of vines, climbers and small trees.

When: Sat 15 October – Weed control/plant releasing

Meet: Corner Summit and Loop Roads (lake end) @ 8:45 am

Grade: medium-hard – activities suitable for all ages and abilities will be provided

**Please contact the organiser Paul Cashmore
027 650 7264 (mob) or 07 349 7432 (work) to RSVP.
Equipment to bring will be advised.**