

Vascular plants of the Rangitaiki Conservation Area (NZMS 260– U 19, Conservation Unit Number 60070)

This species list incorporates all vascular plants in the Rangitaiki Conservation Area divided into 2 broad habitat types; Rangitaiki Frostflat and Te Papa mire communities. The original species list was created by Jan M. Allen and Michele R. Frank, Feb 1993 with additions and abundance rankings from N.J.D. Singers 1998-2006. Additions have been entered from herbarium records and from “Ephemeral wetlands and their turfs in New Zealand” 2003 (Johnson. P. and Rogers G.: Science for Conservation 230). A.P. Druce also encompassed this area with a list for a wider area, Kaingaroa Plains, List 62.

Individual species lists for general/specific locations include;

1. Rangitaiki Frostflat including Te Papa mire and other wetland areas.
2. Te Papa mire including peripheral wetland areas compiled primarily from a specific survey of the NW region of Te Papa mire in April 2006.

Vegetation types

The Te Papa mire has been further described by specific vegetation communities (from May 2006 survey of NW region, N.J.D.Singers)

1. *Baumea rubiginosa* with islands of *Sphagnum cristatum*/*Gleichenia dicarpa*.
2. *Gleichenia dicarpa*/*Dracophyllum subulatum* with occasional *Carex secta*.
3. Dense *Lepidosperma australe*.
4. Dense *Baumea tenax*/*Carex echinata* with occasional *Dracophyllum subulatum*.
5. *Cortaderia toetoe*/*Dracophyllum subulatum*/*Baumea rubiginosa*/*Gleichenia dicarpa* with occasional *Sphagnum cristatum*/*Carex secta*

Photopoints of Vegetation types (4 and 5) and additional photographs are located in:
<dme://tonco-45142/>

Abundance Key

Species abundance was quantified subjectively using the following abundance key.

r = rare

u = uncommon

o = occasional

l = local

c = common and lc = locally common

a = abundant and la = locally abundant

x= present with no abundance assessment (May 2005)

* = exotic/adventive species

Species name (scientific)	Common name	Habitat type	
		Frostflat	Mire
<u>Gymnosperm trees and shrubs</u>			
<i>Halocarpus bidwillii</i>	bogpine		r
<i>Phyllocladus aspleniifolius</i> var. <i>alpinus</i>	mountain toatoa	u	
<i>Pinus contorta</i> *	contorta, lodgepole pine	c	o
<u>Dicot trees and shrubs</u>			
<i>Androstoma empetrifolia</i>		l	o
* <i>Calluna vulgaris</i> ¹	heather	r	
<i>Coprosma acerosa</i> var. <i>brunnea</i>	sand coprosma	o	
<i>Coprosma cheesemanii</i>		l	u
<i>Coprosma propinqua</i> subsp. <i>propinqua</i>	mingimingi	l	o
<i>Coprosma tayloriae</i>		x	
* <i>Cytisus scoparius</i>	broom	l	
<i>Dracophyllum subulatum</i>	monoao	a	x
<i>Epacris alpina</i>			x
* <i>Erica cinerea</i>	Spanish heath	u	
<i>Hebe parviflora</i>	koromiko	lc	
<i>Hebe stricta</i> var. <i>stricta</i>	koromiko	x	x
<i>Hebe stricta</i> var. <i>stricta</i> X		x	
<i>Leptospermum scoparium</i>	manuka, tea tree	o	o
<i>Leucopogon fraseri</i>	dwarf mingimingi, patotara	x	
<i>Olearia virgata</i>	twiggy tree daisy	lc	o
<i>Ozothamnus vauvilliersii</i>		o	x
<i>Pentachondra pumila</i>		x	
<i>Pimelea prostrata</i>	Strathmore weed	a	x
* <i>Rosa rubiginosa</i>	briar rose	u	
* <i>Salix cinerea</i>	pussy willow	u	
* <i>Teline monspessulana</i>	Montpellier broom	r	
* <i>Ulex europaeus</i>	gorse	la	x
<u>Dicot lianes</u>			
<i>Clematis quadribracteolata</i>	tussockland clematis	o	
<i>Muehlenbeckia axillaris</i>	creeping pohuehue	x	
<u>Monocot trees</u>			
<i>Cordyline australis</i>	cabbage tree, ti-kouka	x	

¹ Heather is being actively controlled with the aim of local eradication and is now (2006) very rare

Lycopods

<i>Lycopodium fastigiatum</i>	mountain clubmoss	x	
<i>Lycopodium australianum</i>	fir clubmoss	x	u

Ferns

<i>Blechnum procerum</i>	small kiokio	l	
<i>Blechnum pennamarina</i>	alpine hard fern	x	o
<i>Blechnum vulcanicum</i>			
<i>Gleichenia dicarpa</i>	tangle fern, waewae, kotuku	lc	c
<i>Histiopteris incisa</i>	water fern	x	
<i>Paesia scaberula</i>	lace fern	x	
<i>Polystichum vestitum</i>			

Orchids

<i>Microtis unifolia</i>	onion orchid	o	
<i>Microtis parviflora</i>		x	
<i>Prasophyllum colensoi</i>	leek orchid	o	
<i>Prasophyllum hectorii</i>	swamp leek orchid		r
<i>Spiranthes sinensis</i>	ladies tresses' orchid		u
<i>Thelymitra</i> sp. (not known as not flowering when recorded)	sun orchid	x	
<i>Thelymitra cyanea</i>	blue sun orchid	l	x
<i>Thelymitra nervosa</i>	sun orchid	r	

Grasses

* <i>Agrostis capillaris</i>	brown top	la	
* <i>Agrostis stolonifera</i>	creeping bent	x	x
* <i>Anthoxanthum odoratum</i>	sweet vernal	la	
<i>Cortaderia fulvida</i>	toetoe	x	x
<i>Cortaderia toetoe</i>	toetoe		c
<i>Deschampsia caespitosa</i> (FRI ??)			x
<i>Deyeuxia avenoides</i>	mountain oat grass	c	x
<i>Festuca novae-zelandiae</i>	fescue tussock, hard tussock	a	
<i>Hierochloa redolens</i>	holy grass	l	x
* <i>Holcus lanatus</i>	Yorkshire fog	lc	x
<i>Lachnagrostis elata</i>	swamp wind grass		o
<i>Lachnagrostis lyalii</i>	wind grass	x	
<i>Lachnagrostis striata</i>	wind grass	x	lc
<i>Poa anceps</i>	broad-leaved poa	x	
<i>Poa cita</i>	silver tussock	x	
<i>Poa novae-zelandiae</i>	hard tussock	r	x ²
* <i>Poa pratensis</i>	Kentucky blue grass, meadow grass	x	
<i>Rytidosperma gracile</i>	danthonia	x	x

Sedges and rushes

<i>Baumea arthropphylla</i> (= <i>Baumea huttonii</i>)			l
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² *Poa novae-zelandiae* recorded in wetland at c.E 2806800; N 6244400 not at Te Papa mire (as of May 2006)

<i>Baumea rubiginosa</i>			a
<i>Baumea tenax</i>			c
<i>Carex breviculmis</i>		c	
<i>Carex coriacea</i>	rautahi		o
<i>Carex demissa</i>	yellow sedge		lc
<i>Carex echinata</i>	star sedge		o
<i>Carex gaudichaudiana</i>			la
* <i>Carex ovalis</i>	oval sedge		o
<i>Carex rubicunda</i>			lc
<i>Carex secta</i>	niggerhead		c
<i>Carex sinclairii</i>			la
<i>Carex tahoata</i>			o
<i>Carex testacea</i>		r	
<i>Carpha alpina</i>			o
<i>Centrolepis ciliata</i>			u
<i>Eleocharis acuta</i>	sharp spike sedge		o
<i>Eleocharis gracilis</i>	slender spike sedge		o
<i>Eleocharis sphacelata</i>	bamboo spike sedge		l
<i>Empodisma minima</i>	wire rush		u
<i>Isolepis cernua</i>			u
<i>Isolepis crassiuscula</i>			u
<i>Isolepis subtilissima</i>		x	
* <i>Juncus acuminatus</i>			o
* <i>Juncus articulatus</i>	jointed rush		o
* <i>Juncus bulbosus</i>			c
* <i>Juncus bufonius</i>	toad rush	l	
<i>Juncus effusus</i>			u
<i>Juncus gregiflorus</i>	leafless rush		o
<i>Juncus planifolius</i>	flat-leaved rush		o
<i>Juncus pauciflorus</i> (AK...)			u
<i>Luzula</i> sp.		x	
<i>Lepidosperma australe</i>	square sedge	l	c
<i>Oreobolus pectinatus</i>	comb sedge	l	o
<i>Schoenus maschalinus</i>	dwarf bog-rush		o
<i>Triglochin striata</i>			u
<i>Uncinia rubra</i>	bastard grass, hooked sedge	o	

Monocot herbs other than orchids,

grasses and rushes

<i>Herpolirion novae-zelandiae</i>	grass lily	x	
<i>Lemna minor</i>	duck weed	x	
<i>Lilaeopsis ruthiana</i>			x
<i>Potamogeton cheesemanii</i>	red pond weed, manihi		lc
<i>Potamogeton suboblongus</i>	mud pondweed, rerewai		u

Composite herbs

<i>Aster novi-belgii</i> X	Michaelmas daisy		u
<i>Celmisia gracilentia</i>	mountain daisy	c	
<i>Celmisia graminifolia</i>	bog daisy		o

* <i>Cirsium arvense</i>	california thistle	u	
* <i>Cirsium vulgare</i>	scotch thistle	x	x
<i>Gnaphalium audax</i>	cudweed, everlasting	x	
* <i>Crepis capillaris</i>		x	
<i>Euchiton delicatus</i>			x
<i>Euchiton gymnocephalus</i>		x	
<i>Euchiton lateralis</i>			x
<i>Euchiton limosus</i>			x
<i>Euchiton sphaericus</i>		x	
<i>Helichrysum filicaule</i>	creeping everlasting	x	
* <i>Hieracium pillosella</i>	hawkweed	a	
* <i>Hypochoeris radicata</i>	cats ear	c	
<i>Lagenifera montana</i> (CHR402471)		x	
* <i>Leonotodon taraxacoides</i>	dandelion	x	
<i>Microseris scapigera</i>	native dandelion	o	
* <i>Senecio jacobaea</i>	ragwort	x	
* <i>Taraxacum officinale</i>	dandelion	x	

Dicot herbs other than composites

<i>Acaena microphylla</i>	red piripiri	x	
<i>Acaena novae-zelandiae</i>	bidibid	x	
<i>Anisotome aromatica</i>	aniseed, kopoti	x	
* <i>Bidens frondosa</i>	beggars' ticks		x
<i>Callitriche stagnalis</i>	starwort		x
<i>Cardamine debilis</i>	bitter cress	x	
<i>Centella uniflora</i>	centella		o
<i>Centipeda minima</i> subsp. <i>minima</i>	sneeze weed	x	
<i>Dichondra</i> sp. aff. <i>brevifolia</i>	dichondra	x	x
<i>Drosera binata</i>	dichondra		x
<i>Drosera spathulata</i>	dichondra		x
<i>Elatine gratioloides</i>	waterwort		la
* <i>Epilobium ciliatum</i> (CHR 580875)	willow herb		u
<i>Epilobium chionanthum</i>			l
<i>Epilobium microphyllum</i>		x	
<i>Epilobium pallidiflorum</i>	swamp willowherb, tarawera		o
<i>Euphrasia cuneata</i>	eyebright	u	
* <i>Galium palustre</i>	cleaver	x	
<i>Galium perpusillum</i>	dwarf bedstraw	x	
<i>Galium</i> aff. <i>perpusillum</i>		x	
<i>Gentianella bellidifolia</i>	gentian	x	
<i>Gentianella grisebachii</i>	marsh gentian		x
<i>Geranium sessiliflorum</i>		x	
<i>Geranium potentilloides</i>		x	x
<i>Glossostigma elatinoides</i>			la
<i>Gonocarpus aggregatus</i>		x	x
<i>Gonocarpus micranthus</i>		x	x
<i>Gratiola sexdentata</i>			lc
<i>Hydrocotyle heteromeria</i>		x	
<i>Hydrocotyle pterocarpa</i>			x

<i>Hydrocotyle sulcata</i>	hydrocotyle	X	X
* <i>Hypericum humifusum</i>	trailing St John's wort	X	X
<i>Hypericum japonicum</i>		X	X
<i>Hypericum</i> aff. <i>japonicum</i> ; a.)		X	
CHR165889; volcanic plateau			
<i>Hypsella rivalis</i>			X
* <i>Linum catharticum</i>		u	
<i>Liparophyllum gunnii</i>		O	X
* <i>Lotus pedunculatus</i>	lotus major	X	O
* <i>Ludwigia palustris</i>			X
* <i>Lythrum portula</i>	water purslane		lc
<i>Myriophyllum pedunculatum</i>	water milfoil		l
<i>Myriophyllum propinquum</i>	water milfoil		X
<i>Myosotis laxa</i> var. <i>caespitosa</i>	forget-me-not	X	X
<i>Nertera</i> sp.	panakenake	X	
<i>Oxalis exilis</i>	yellow oxalis	u	
* <i>Plantago australis</i>	swamp plantain	X	
* <i>Plantago major</i>	large leafed plantain	X	
<i>Pratia angulata</i>	large leafed plantain	X	X
<i>Pratia perpusilla</i>		X	
* <i>Prunella vulgaris</i>	self-heal	X	X
* <i>Ranunculus acris</i>	giant buttercup	X	X
<i>Ranunculus amphitrichus</i>	waoriki	X	X
* <i>Ranunculus flammula</i>	spearwort	X	
<i>Ranunculus glabrifolius</i>	buttercup	X	
<i>Ranunculus macropus</i>	swamp buttercup	X	
<i>R. amphitrichus</i> x <i>R. macropus</i>		X	
<i>Sellaria radicans</i> var. <i>microphylla</i> †	remuremu	l	
<i>Stackhousia minima</i> †		X	
<i>Utricularia novae-zelandiae</i>	bladderwort	X	
* <i>Veronica serpyllifolia</i>	turf speedwell	X	
<i>Viola cunninghamii</i>	violet	X	X

Mosses

<i>Breutelia</i> sp.		X	
<i>Campylopus</i> sp.		X	
<i>Dicranoloma</i> sp.		X	
<i>Sphagnum christatum</i>		X	X
<i>Sphagnum falciculatum</i>		X	

Algae/Lichen

<i>Nitella leptostachys</i> var. <i>leonhardii</i>			lc
<i>Cladia retipora</i>	Coral lichen	X	