

Vascular Plants of the Kaimanawa Forest Park (60051, NZMS 260 T19, T20 & U19)

File: TONCO-16162

This plant species list is a compilation of six separate species lists for relatively distinct habitat types. The preceding separate lists were compiled by Sofia Lund in 2001 and explorations and additions into the region were made in 2002. Comments, corrections and additions to the lists have been made by N.Singers.

Individual species lists for specific locations include;

1. Western parts of park, hardwood forest. Waimarino River terraces, part of Ecological Area (N. Singers, 12/1999 File:TONCO-9438).
2. Southern parts of park, mountain beech forest. Original list compiled from Ecology Stream Ecological Area (S. Deverell *et. al.* 1/2000. File:TONCO-12509).
3. Waipakihi River (S. Lund 1/2001 with additions by N.Singers 4/2003, 3/2005, 12th-15th /4/2005,)
4. Alpine areas (S. Lund 1/2002 with additions by N.Singers 3/2005 File:TONCO-39177)
5. Tussock grassland areas in southwestern part of park. Southern Access, Moawhango riverhead, Little Waipakihi streamhead (N. Singers and S. Lund 1/2002;).
6. Northern parts of park, red and silver beech forest (S. Lund 2002)

Abundance Key

Species abundance was quantified subjectively using the following abundance key.

r = rare

u = uncommon

l = local

o = occasional

c = common, also lc = locally common

a = abundant, also la = locally abundant

p = present

* = exotic/adventive species

Scientific name	Common name	Distribution within Park					
		1	2	3	4	5	6
<u>Gymnosperm Trees and Shrubs</u>							
<i>Dacrydium cupressinum</i>	rimu	a					r
<i>Dacrycarpus dacrydioides</i> ¹	kahikatea	r					
<i>Halocarpus bidwillii</i>	mountain pine, bog pine			la	c	p	
<i>Lepidothamnus laxifolius</i>	pigmy pine		lc	c	a	p	
* <i>Pinus contorta</i>	Lodge-pole fir				o	p	
<i>Phyllocladus alpinus</i>	celery-top pine		c	a	c	p	o
<i>Phyllocladus toatoa</i>	toatoa	l					l
<i>Podocarpus hallii</i>	Hall's totara	c	o	u			u
<i>Podocarpus nivalis</i>	mountain totara		lc	o	a	p	
<i>Podocarpus hallii</i> x <i>nivalis</i>			p				
<i>Podocarpus totara</i>	totara	r					
<i>Prumnopitys ferruginea</i>	miro	c					r
<i>Prumnopitys taxifolia</i>	matai	c					
* <i>Pseudotsuga menziesii</i>	Douglas fir						p
<u>Monocot Trees</u>							
<i>Cordyline australis</i>	cabbage tree	o					o
<i>Cordyline banksii</i>	forest cabbage tree	lc					o
<i>Cordyline indivisa</i>	mountain cabbage tree	o	l	u			c
<u>Dicot Trees and Shrubs</u>							
<i>Alepis flavida</i>	yellow mistletoe		r	r			r
<i>Alseuosmia macrophylla</i>	shrubby honeysuckle						p
<i>Alseuosmia pusilla</i>	mountain alseuosmia	p					o
<i>Alseuosmia turneri</i>							
<i>Aristotelia fruticosa</i>	mountain wineberry		o	u			o
<i>Aristotelia serrata</i>	wineberry, makomako	c	u				u
<i>Brachyglottis bidwillii</i>		lc	lc	p	c	p	
<i>Brachyglottis repanda</i>	bushman's friend, rangiora	o					la
* <i>Buddleja davidii</i>	butterfly bush, summer lilac	l					
* <i>Calluna vulgaris</i>	heather, ling	p		u	c	p	p
<i>Carmichaelia australis</i>	NZ broom	l	u				
<i>Carpodetus serratus</i>	marble leaf, putaputaweta	c	u				a
<i>Coprosma acerosa</i> var. <i>brunnea</i>	pepperwood, sand coprosma			l			
<i>Coprosma areolata</i>	thin-leaved coprosma						
<i>Coprosma cheesemaii</i>			lc	la	p	p	
<i>Coprosma</i> aff. <i>cheesemaii</i>					p	p	
<i>Coprosma colensoi</i>		p	p				c

¹ Kahikatea is very rare, two trees were noted, one on a boggy ox-bow of the Waimarino River and another on the higher river terrace.

Scientific name	Common name	Distribution within Park					
		1	2	3	4	5	6
<i>Coprosma decurva</i> ²				r			
<i>Coprosma depressa</i>		u			p	p	
<i>Coprosma foetidissima</i>	stinkwood	o	c	a	o	p	c
<i>Coprosma grandifolia</i>	kanono, manono, raurekau	o					c
<i>Coprosma lineariifolia</i>	yellow wood, mikimiki		c				p
<i>Coprosma lucida</i>	shining karamu	c	o				c
<i>Coprosma microcarpa</i>	small seeded coprosma	c	la				c
<i>Coprosma perpusilla</i>			la		a	p	
<i>Coprosma petriei</i>	turfy coprosma				p		
<i>Coprosma propinqua</i> subsp. <i>propinqua</i>	mingimingi		u	u			lc
<i>Coprosma propinqua</i> x <i>robusta</i>		r	u				r
<i>Coprosma pseudocuneata</i>			a	a	o	p	r
<i>Coprosma rhamnoides</i>	divaricating coprosma	o	o				u
<i>Coprosma rigida</i>							
<i>Coprosma robusta</i>	karamu, glossy karamu	l	u				r
<i>Coprosma rugosa</i>		lc	la	la			lc
<i>Coprosma</i> “ <i>taylorae</i> ”	divaricating coprosma	c	a	a	p	p	a
<i>Coprosma tenuifolia</i>	wavy-leaved karamu	c	o	o			a
<i>Coriaria arborea</i>	tree tutu	lc	o	lc			p
<i>Coriaria kingiana</i>							p
<i>Coriaria plumosa</i>	feathery tutu, mountain tutu			p	p	p	
<i>Coriaria pteridoides</i>	small-leaved tutu	l	o	o	p	p	
<i>Corokia cotoneaster</i>	wire-netting bush		p				l
<i>Cyathodes empetrifolia</i>	bog mingimingi		p		p	p	
<i>Cyathodes juniperina</i>	prickly mingimingi	c	c	o			r
* <i>Cytisus scoparius</i>							p
<i>Dracophyllum filiforme</i>					p	p	
<i>Dracophyllum recurvum</i>	curved leaved neinei		lc	lc	a	p	
<i>Dracophyllum strictum</i>		la					u
<i>Dracophyllum subulatum</i>	monoao	p	lc	a	p	p	
<i>Elaeocarpus dentatus</i>	hinau	p					l
<i>Elaeocarpus hookerianus</i>	pokaka	o	u				o
<i>Epacris alpina</i>			lc	o	p	p	
* <i>Erica lusitanica</i> ³	Spanish heath	lc					p
<i>Fuchsia excorticata</i>	tree fuchsia, kotukutuku	u	lc	r			lc
<i>Gaultheria antipoda</i>	bush snowberry, fool’s beech	o	o	o			c
<i>Gaultheria colensoi</i>	mountain snowberry			u	p	p	
<i>Gaultheria depressa</i>		l	o	u	p	p	
<i>Gaultheria macrostigma</i>	prostrate snowberry		p	o	p	p	r
<i>Gaultheria oppositifolia</i>		l					
<i>Gaultheria paniculata</i>		l					
<i>Griselinia littoralis</i>	broadleaf, papauma	o	c	c	p		c

² One population of *Coprosma decurva* occurs approx. 2–3 km downstream from the Waipakihi hut on a river terrace.

³ Locally common on dry river gravels and pumice cliffs with manuka etc.

Scientific name	Common name	Distribution within Park					
		1	2	3	4	5	6
<i>Hebe colensoi</i> ⁴			r				
<i>Hebe corriganii</i> ⁷					p	p	
<i>Hebe odora</i> ⁶		p	r	o	p	p	
<i>Hebe parviflora</i> ⁶							p
<i>Hebe stricta</i> var. <i>stricta</i>	koromiko	o	c	o	p	p	lc
<i>Hebe stricta</i> var. <i>lata</i>	shining koromiko				lc		
<i>Hebe tetragona</i>	whipcord hebe		lc	lc	p	p	
<i>Hebe venustula</i>		u		c	a	p	
<i>Hedycarya arborea</i>	pigeonwood, porokaiwhiri						
<i>Helichrysum lanceolatum</i>	Hells bells	p	c	o			
<i>Knightia excelsa</i>	NZ honeysuckle, rewarewa						p
<i>Kunzea ericoides</i>	kanuka, white tea tree	lc	o				
<i>Leptospermum scoparium</i>	manuka, red tea tree	l	c	o	p	p	lc
<i>Leucopogon colensoi</i>					p	p	
<i>Leucopogon fasciculatus</i>	tall mingimingi	l	c			p	c
<i>Leucopogon fraseri</i>	dwarf mingimingi, patotara		lc	o	p		o
* <i>Leycesteria formosa</i>	Himalyalan honeysuckle	o					o
<i>Lophomyrtus obcordata</i>	NZ myrtle, rohutu						
* <i>Malus domestica</i>	apple			p			p
<i>Melicope simplex</i>	poataniwha	p					p
<i>Melicytus</i> aff. <i>alpinus</i> ⁸	thick-leaved mahoe			r			r
<i>Melicytus lanceolatus</i>	narrow-leaved mahoe						r
<i>Melicytus ramiflorus</i> subsp. <i>ramiflorus</i>	whitewood, mahoe	c					r
<i>Myrsine australis</i>	red mapou / matipo	p		o			p
<i>Myrsine divaricata</i>	weeping mapou / matipo	p	a	a	o		u
<i>Myrsine nummularia</i>	creeping mapou / matipo		lc		c	p	p
<i>Myrsine salicina</i>	toro	p					
<i>Neomyrtus pedunculatus</i>	rohutu, myrtle	a	c	r			a
<i>Nestegis cunninghamii</i>	black maire	o					
<i>Nestegis lanceolata</i>	white maire						
<i>Nothofagus fusca</i>	red beech	a	p	lc			a
<i>Nothofagus menziesii</i>	silver beech	r	p	u			a
<i>Nothofagus solandri</i> var. <i>cliffortioides</i>	mountain beech		a	a	p	p	o
<i>Nothofagus solandri</i> var. <i>solandri</i>	black beech	l					
<i>Olearia arborescens</i>	common / glossy tree daisy	u	o	c	p		r
<i>Olearia furfuracea</i>			p				
<i>Olearia ilicifolia</i>	mountain holly	l	p				
<i>Olearia nummulariifolia</i>			lc	p	c		
<i>Olearia rani</i>	heketara						
<i>Olearia virgata</i>	twiggy tree daisy						lc
<i>Ozothamnus leptophyllus</i>			lc	o	c	p	

⁵ One plant found in the Northern Arm, Singers 1998, and one plant found in Waipakihi riverhead close to hut, Lund 2002.

⁶ Most of them are probable wrongly identified, should be *H. venustula* instead. One sample found on Ignumbrite Saddle though.

⁷ Northern end of Clements Mill Rd and near Omaru Hut.

⁸ One plant found in the North Arm (AK237270, Singers 1998) and one plant found in Waipakihi Riverhead close to hut, Lund 2002.

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		1	2	3	4	5	6
<i>Pennantia corymbosa</i>	kaikomako	o					
<i>Pentachondra pumila</i>			lc		p	p	
<i>Peraxilla colensoi</i>							r
<i>Peraxilla tetrapetala</i>	scarlet mistletoe	r	u	r		r	
<i>Pimelia buxifolia</i>					p	p	
<i>Pimelia microphylla</i>							
<i>Pimelea prostrata</i>	NZ daphne, Strathmore weed				p	p	
<i>Pittosporum divaricatum</i>				r	c		
<i>Pittosporum eugenioides</i>	lemonwood, tarata	o					
<i>Pittosporum tenuifolium</i> var. <i>colensoi</i>	kohuhu	p	u				r
<i>Pittosporum tenuifolium</i> var. <i>tenuifolium</i>	black matipo, kohukohu	p					
<i>Pseudopanax arboreus</i>	five-finger, whauwhaupaku	l		o	o		r
<i>Pseudopanax colensoi</i>	orihou	p	o	u			
<i>Pseudopanax crassifolius</i>	lancewood, horoeka	c	o	u			lc
<i>Pseudowintera axillaris</i>	lowland peppertree / horopito						p
<i>Pseudowintera colorata</i>	pepper tree, mountain horopito	a	p				a
<i>Raukaua anomalus</i>			c				c
<i>Raukaua edgerleyi</i>							p
<i>Raukaua simplex</i>	three-finger	l	c	o			c
* <i>Salix cinerea</i>	grey willow	r	p	u	o		o
* <i>Salix fragilis</i>	crack willow	r					
<i>Schefflera digitata</i>	pate, seven-finger	u	lc				c
* <i>Teline monspessulana</i>	Montpellier broom	u					
<i>Tupeia antarctica</i> ⁹	white mistletoe	r					
* <i>Ulex europaeus</i>	gorse	u					
<i>Urtica ferox</i>	tree nettle, ongaonga	o					p
<i>Weinmannia racemosa</i>	kamahi	a					c

Monocot lianes

<i>Ripogonum scandens</i>	supplejack, kareao	p					p
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Dicot lianes

<i>Clematis forsteri</i>	small white clematis		p				p
<i>Clematis paniculata</i>	white clematis	o					c
<i>Clematis quadribracteolata</i>		p					p
<i>Metrosideros diffusa</i>	climbing / white rata	o					
<i>Muehlenbeckia australis</i>	pohuehue	p	p				u
<i>Muehlenbeckia axillaris</i>	creeping pohuehue		la	a	p	p	o
<i>Muehlenbeckia complexa</i>	smallleaved / scrub pohuehue		la				
<i>Parsonsia capsularis</i>	smallflowered jasmine	p	p				r
<i>Parsonsia heterophylla</i>	NZ jasmine						
<i>Rubus cissoides</i>	bush lawyer	c	c	c		p	c

⁹ 15 minutes up Urchin Track. Growing on putaputaweta, very browsed, Jan 2001 then caged.

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		1	2	3	4	5	6
<i>Rubus schmidelioides</i>	white-leaved lawyer		p				
<u>Fern allies</u>							
<i>Lycopodium australianum</i>	fir clubmoss		r	o			
<i>Lycopodium deuterodensum</i>	puakarimu						
<i>Lycopodium fastigiatum</i>	alpine / mountain clubmoss		c	c	c	p	o
<i>Lycopodium scariosum</i>	creeping clubmoss	p	o	o	o	p	c
<i>Lycopodium varium</i>	iwituna, hanging clubmoss	l	p				p
<i>Lycopodium volubile</i>	climbing clubmoss	o	o				c
<i>Tmesipteris</i> sp.		p					
<i>Tmesipteris elongata</i>		p					p
<i>Tmesipteris tannensis</i>							r
<u>Ferns</u>							
<i>Adiantum cunninghamii</i>	common maidenhair		u				
<i>Asplenium appendiculatum</i> (=A. <i>terrestre</i> subsp. <i>terrestre</i>)		o					
<i>Asplenium bulbiferum</i> subsp. <i>bulbiferum</i>	hen and chickens fern	o					lc
<i>Asplenium flabellifolium</i>	necklace fern			u			
<i>Asplenium flaccidum</i>	hanging spleenwort	c	o	c			a
<i>Asplenium hookerianum</i> (=A. <i>colensoi</i>)	perching spleenwort	l	o				r
<i>Asplenium oblongifolium</i>	shining spleenwort						
<i>Asplenium polyodon</i>	sickle spleenwort	lc					u
<i>Blechnum chambersii</i>	nini	c	c				lc
<i>Blechnum colensoi</i>	peretao	p					lc
<i>Blechnum discolor</i>	crown fern, piupiu	p					a
<i>Blechnum filiforme</i>	thread fern						
<i>Blechnum fluviatile</i>	kiwakiwa	c	c	c			a
<i>Blechnum fraseri</i>							
<i>Blechnum membranaceum</i>							p
<i>Blechnum montanum</i>	mountain kiokio	p	o				p
<i>Blechnum nigrum</i>							
<i>Blechnum novae-zelandiae</i>	kiokio	c	o				c
<i>Blechnum pennamarina</i>			a	a	a		a
<i>Blechnum procerum</i>	small kiokio		c	c			c
<i>Blechnum vulcanicum</i>	mountain hard fern	o	c				c
<i>Botrychium australe</i>	parsely fern, patotara						r
<i>Botrychium bifforme</i>	fine-leaved parsely fern	p					
<i>Ctenopteris heterophylla</i>	comb fern	u	c				p
<i>Cyathea colensoi</i>	mountain tree fern						p
<i>Cyathea dealbata</i>	silver fern, ponga	a					r
<i>Cyathea medullaris</i>	black tree fern, mamaku	l					r
<i>Cyathea smithii</i>	soft tree fern, katote	a					r
<i>Dicksonia fibrosa</i>	wheki-ponga, kuripaka	o					r
<i>Dicksonia lanata</i>	stumpy tree fern, tuokura	lc					u

Scientific name	Common name	Distribution within Park					
		1	2	3	4	5	6
<i>Dicksonia squarrosa</i>	wheki, rough tree fern	o					u
<i>Diplazium australe</i>		u					
<i>Gleichenia dicarpa</i>	tangle fern		lc	a	la	p	p
<i>Grammitis billardierii</i>		o	a	c			a
<i>Histiopteris incisa</i>	water fern, mata	o	c	o			a
<i>Hymenophyllum atrovirens</i>							r
<i>Hymenophyllum demissum</i>	irirangi, filmy fern	c					c
<i>Hymenophyllum dilatatum</i>	filmy fern	o					p
<i>Hymenophyllum flabellatum</i>		p	p				c
<i>Hymenophyllum multifidum</i>	filmy fern	a	a	a	c	p	a
<i>Hymenophyllum pulcherrimum</i>		p	u				r
<i>Hymenophyllum rarum</i>		p	c				c
<i>Hymenophyllum rufescens</i>							
<i>Hymenophyllum sanguinolentum</i>		p	a	a			c
<i>Hymenophyllum scabrum</i>		p	o				
<i>Hypolepis ambigua</i>		p					
<i>Hypolepis millefolium</i>	thousand-leaved fern		o				o
<i>Hypolepis rufobarbata</i>		p	o				o
<i>Lastreopsis glabella</i>	smooth sheild fern	o					
<i>Lastreopsis hispida</i>	hairy fern	u					
<i>Leptolepia novae-zelandiae</i>		p					
<i>Leptopteris hymenophylloides</i>	crepe fern, heruheru	c	o				a
<i>Leptopteris superba</i>	Prince of Wales Feathers	p	o	o			c
<i>Lindsaea trichomanoides</i>		p					
<i>Microsorium pustulatum</i>	hounds tongue, kowaowao	a	o				a
<i>Microsorium novae-zelandiae</i>		p					c
<i>Ophioglossum coriaceum</i>	Adder's tongue		u				p
<i>Paesia scaberula</i>	lace fern	p	o				c
<i>Pellaea rotundifolia</i>	tarawera						
<i>Pneumatopteris pennigera</i>	gully fern, pakauroharoha	l					r
<i>Polystichum richardii</i>	common shield fern	p					
<i>Polystichum vestitum</i>	prickly shield fern	c	c	o	r		c
<i>Pteridium esculentum</i>	bracken, rahurahu						o
<i>Pyrrosia eleagnifolia</i>	leather-leaf fern	c	c				c
<i>Rumohra adiantiformis</i>		p					p
<i>Sticherus cunninghamii</i>	umbrella fern	l	la	c			lc
<i>Trichomanes reniforme</i>	kidney fern	c					
<i>Trichomanes venosum</i>							p

Orchids

<i>Adenochilus gracilis</i>							p
<i>Aporostylis bifolia</i>	odd-leaved orchid	u	p	l	c	p	
<i>Caladenia chlorostylis</i>			c				
<i>Caladenia</i> aff. <i>carnea</i>							
<i>Chiloglottis cornuta</i>	green bird orchid	p	c	l	p	p	c

Scientific name	Common name	Distribution within Park					
		1	2	3	4	5	6
<i>Corybas oblongus</i>							p
<i>Corybas orbiculatus</i>			u	l			u
<i>Corybas trilobus</i>		c	c	o			c
<i>Earina autumnalis</i>	Easter orchid, raupeka	c	p				c
<i>Earina mucronata</i>	bamboo orchid	c					
<i>Gastrodia cunninghamii</i>	black orchid		p				p
<i>Microtis unifolia</i>	onion orchid				p	p	p
<i>Prasophyllum colensoi</i>	leek orchid			p	c	p	
<i>Pterostylis australis</i>	greenhood orchid	u					
<i>Pterostylis humilis</i> ¹⁰							
<i>Pterostylis montana</i>	broad-leaved elf's hood		p		p	p	
<i>Pterostylis</i> aff. <i>montana</i>			p				
<i>Pterostylis patens</i>	tutukiwi		c			p	
<i>Thelymitra</i> sp.			p		p		p
<i>Thelymitra cyanea</i>	short-leaved thelymitra				p	p	
<i>Thelymitra hatchii</i>					p	p	
<i>Thelymitra longifolia</i>	long-leaved thelymitra				p	p	
<i>Winika cunninghamii</i>	lady's slipper, winika	u					

Grasses

* <i>Agrostis capillaris</i>	brown top, bent grass	l	lc	c	o	c	la
<i>Agrostis imbecilla</i> ¹¹							
<i>Agrostis muscosa</i>	pincushion grass			o	o	o	
<i>Agrostis pallescens</i>					lc		
<i>Agrostis personata</i>				p			
* <i>Aira caryophyllea</i>	silvery hair grass		o	c	o	o	o
* <i>Aira praecox</i>	early hair grass			o			
<i>Amphibromus fluitans</i> ¹²							
* <i>Anthoxanthum odoratum</i>	sweet vernal	u	u	a	p	p	lc
* <i>Arrhenatherum elatius</i> ¹³				p			
* <i>Bromus hordeaceus</i>			p				p
* <i>Bromus lithobius</i>				p			p
<i>Chinochloa conspicua</i> subsp. <i>conspicua</i>				r			
<i>Chinochloa pallens</i>					la	lc	
<i>Chinochloa rubra</i>	red tussock		o	a	a	a	
<i>Cortaderia fulvida</i>	toetoe	c	o	a			lc
* <i>Cynosurus cristatus</i>	crested dogtail	o			o	o	o
* <i>Dactylis glomerata</i>	cocksfoot	o					o
<i>Deschampsia caespitosa</i> ¹⁴							
<i>Deschampsia tenella</i>	hair grass						
<i>Deyeuxia aucklandica</i>			o		c		

¹⁰ Found in Kaimanawa Ranges according to Moore & Edgar 1976.

¹¹ Found in Kaimanawa Mts according to Edgar & Connor 2000.

¹² Found in Kaimanawa Mts according to Edgar & Connor 2000.

¹³ Found by Waipakihi Hut, Lund 2002.

¹⁴ Old herbarium records from Moawhango and Boyd Valley.

Scientific name	Common name	Distribution within Park					
		1	2	3	4	5	6
<i>Deyeuxia avenoides</i>	mountain oat grass	p	p	c	o		p
<i>Deyeuxia quadriseta</i>				p			p
<i>Dichelachne crinata</i>	long-hair plume grass	l	o	o			c
<i>Echinopogon ovatus</i>	forest hedgehog grass	l					
* <i>Elymus rectisetus</i>				p	p		
<i>Elymus solandri</i>	blue wheatgrass		p				
<i>Festuca</i> sp.	fescue	u					
* <i>Festuca filiformis</i>			p				
<i>Festuca multinodis</i>			p				
<i>Festuca novae-zelandiae</i>	fescue tussock, hard tussock		la	a			p
* <i>Festuca rubra</i>		p		a			
* <i>Glyceria declinata</i>	sweet grass			p			
<i>Hierocloe cuprea</i>				o	p	p	
<i>Hierocloe recurvata</i>	holy grass				p		
<i>Hierocloe redolens</i>	holy grass, karetu				p		
* <i>Holcus lanatus</i>	Yorkshire fog	o	lc	c	p	p	la
<i>Koeleria cheesemanii</i> ¹⁵					p		
<i>Koeleria novozelandica</i> ¹⁶							
<i>Lachnagrostis elata</i>	tumble grass	p			p		
<i>Lachnagrostis filiformis</i>	N Z wind grass, tumble grass	l	lc				p
<i>Lachnagrostis lyalli</i>			p	p			p
<i>Lachnagrostis pilosa</i>				p			p
<i>Lachnagrostis striata</i>					p		
* <i>Lolium perenne</i>	perennial ryegrass			r			o
<i>Microlaena avenacea</i>	bush rice grass, oat grass	a	u	o			c
<i>Microlaena stipoides</i>	meadow / slender rice grass	u					u
* <i>Phleum pratense</i>				p		p	
<i>Poa anceps</i>	broad-leaved poa	l	c	o	o	o	o
* <i>Poa annua</i>	annual poa	o	o	o			o
<i>Poa breviglumis</i>		u	a	lc	p	p	a
<i>Poa cita</i> ¹⁷	silver tussock		o		p	p	o
<i>Poa colensoi</i>	blue tussock		o	a	a	p	p
<i>Poa imbecilla</i>	weak poa						
<i>Poa novae-zelandiae</i>	drooping poa			o	p		
* <i>Poa pratensis</i>			p	p			
* <i>Poa trivialis</i>				p			
<i>Rytidosperma gracile</i>		lc	c	c	o	o	c
<i>Rytidosperma merum</i>			o				o
<i>Rytidosperma nigricans</i>				p			
<i>Rytidosperma pulchrum</i>			p	p	c	c	
<i>Rytidosperma setifolium</i>	bristle tussock		la		a	p	

¹⁵ On scree on several sites on unnamed top east of T2.

¹⁶ Found in Kaimanawa Mts according to Edgar & Connor 2000.

¹⁷ Could be miss-identified *Festuca novae-zelandiae*. *Poa cita* at least at Clements Mill Rd.

Scientific name	Common name	Distribution within Park					
		1	2	3	4	5	6
* <i>Schedonorus phoenix</i>				o			o
<i>Trisetum lasiorachis</i>			p	p	p	p	
<i>Trisetum</i> sp.		lc					
* <i>Vulpia bromoides</i>	squirrel-tail fescue		o	o			o
* <i>Vulpia myuros</i>	rats-tail fescue	o		o			o

Sedges and rushes

<i>Carex berggrenii</i> ¹⁹							
<i>Carex comans</i>				o			
<i>Carex coriacea</i>	cutty grass, rautahi		p	p	p	p	
* <i>Carex demissa</i>	yellow sedge				p	p	
<i>Carex dissita</i>		u	p				p
<i>Carex druceana</i> var. <i>astonii</i> ²⁰				p			
<i>Carex echinata</i>	starsedge			p	p	p	p
<i>Carex forsteri</i>			p				p
<i>Carex lambertiana</i>		u		p			
<i>Carex maorica</i>							p
<i>Carex ovalis</i>			p	p			p
<i>Carex petriei</i> ²¹			p				
<i>Carex rubicunda</i> ²²							
<i>Carex secta</i>	niggerhead, pukio, makura	l	l				o
<i>Carex solandri</i>		p	p	p			lc
<i>Carex tahoata</i>				p			
<i>Carex testacea</i>				p			
<i>Carpha alpina</i>			p	lc	a	p	
<i>Centrolepis ciliata</i> ²²						p	
* <i>Cyperus eragrostis</i>	umbrella sedge						l
<i>Eleocharis acuta</i>	sharp spike sedge		p	lc			r
<i>Eleocharis gracilis</i>			p	p	p		
<i>Eleocharis pusilla</i>					p	p	
<i>Empodisma minus</i>	wire rush			a	o	p	
<i>Gahnia procera</i>	giant sedge	u		p	p		
<i>Isolepis</i> spp.		l					
<i>Isolepis caligenis</i> ²⁴							
<i>Isolepis crassiuscula</i>				p	p	p	
<i>Isolepis fluitans</i> ²⁵							
<i>Isolepis habra</i>		p	p				p
<i>Isolepis pottsii</i>		p	p				p
<i>Isolepis subtilissima</i>				p			p

¹⁹ Found in Kaimanawa Ranges according to Johnson & Brook, 1998 and Healy & Edgar, 1980.

²⁰ Found in Kaimanawa Mts according to Moore & Edgar, 1976.

²¹ Found in Kaimanawa Ranges according to Johnson & Brook, 1998, Healy & Edgar, 1980 and Moore & Edgar 1976.

²² Found in Kaimanawa Ranges according to Healy & Edgar, 1980 and Moore & Edgar 1976.

²³ By Moawhango riverhead.

²⁴ Found in Kaimanawa Ranges according to Moore & Edgar 1976.

²⁵ Found in Kaimanawa Ranges according to Moore & Edgar, 1976.

Scientific name	Common name	Distribution within Park					
		1	2	3	4	5	6
<i>Juncus antarcticus</i>	dwarf rush		p		p	p	
* <i>Juncus articulatus</i>		p					p
* <i>Juncus bufonis</i> var. <i>bufonis</i>	toad rush						r
* <i>Juncus canadensis</i>	tailed-seed rush						r
<i>Juncus distegus</i>			p	p			p
* <i>Juncus effusus</i>				p			p
<i>Juncus gregiflorus</i>	leafless rush	u					o
<i>Juncus novae-zelandiae</i>	dwarf rush		p	p	p	p	
<i>Juncus prismatocarpus</i>	angled-fruit rush	u					
<i>Juncus pusillus</i> (AK297134)	dwarf rush			u			
* <i>Juncus tenuis</i>	track rush, slender rush	u		p	p		la
<i>Lepidosperma australe</i>	square sedge				p	p	p
<i>Luzula banksiana</i>	coastal woodrush		p	p	c	p	
<i>Luzula colensoi</i>	dwarf alpine woodrush				c	p	
<i>Luzula leptophylla</i>				p	p	p	
<i>Luzula picta</i>		l	c	o	p	p	c
<i>Luzula picta</i> var. <i>picta</i>			p				
<i>Luzula rufa</i> var. <i>albocomans</i> ²⁶							
<i>Machaerina sinclairii</i> ²⁷							
<i>Morelotia affinis</i>		u					
<i>Oreobolus pectinatus</i>	comb sedge, cushion sedge		p	lc	a	p	
<i>Schoenus nitens</i> var. <i>concinus</i> ²⁸							
<i>Schoenus pauciflorus</i>	bog rush, sedge tussock		u	c	a	p	
<i>Uncinia affinis</i>		p	p				
<i>Uncinia caespitosa</i>							
<i>Uncinia clavata</i>				p			
<i>Uncinia drucei</i>					p		
<i>Uncinia filiformis</i>			p			p	p
<i>Uncinia fuscovaginata</i>			p				
<i>Uncinia gracilentata</i>		o					
<i>Uncinia nervosa</i>							
<i>Uncinia rubra</i>			p	p	p	p	p
<i>Uncinia rupestris</i>							
<i>Uncinia uncinata</i>	dense sedge	o	a	p		p	
<i>Uncinia viridis</i>			p		c	p	
<i>Uncinia zotovii</i>		p					

Monocot herbs other than grasses, sedges, rushes

<i>Astelia banksii</i>							p
<i>Astelia fragrans</i>	bush flax, kakaha	c	o	o			c
<i>Astelia</i> aff. <i>nervosa</i>	mountain astelia						
<i>Astelia solandri</i>	pearchim lily	o					c

²⁶ Found in Kaimanawa Ranges according to Healy & Edgar, 1980.

²⁷ Found in Kaimanawa Mts according to Salmon, 1985.

²⁸ Found in Kaimanawa Ranges according to Moore & Edgar 1976.

Scientific name	Common name	Distribution within Park					
		1	2	3	4	5	6
<i>Bulbinella hookeri</i>	Maori onion		lc	a	c	p	
<i>Collospermum microspermum</i>	pearching lily	c					o
<i>Dianella nigra</i>	blue-berry, turutu	o					o
<i>Herpolirion novae-zelandiae</i> ²⁸	grasslily, skylily, creeping lily					p	
<i>Lemma minor</i>	duckweed, karearea						p
<i>Luzuriaga parviflora</i>	lantern berry, nohi		c				c
<i>Libertia ixioides</i>	native iris, mikoikoi, tukauki	p	o				
<i>Phormium cookianum</i>	mountain flax, wharariki	p	la				
<i>Phormium tenax</i>	NZ flax, harakeke, kurari						p
<i>Potamogeton cheesemanii</i>	red pondweed, manihi	l					
<i>Potamogeton suboblongus</i>	mud pondweed, rerewai			o	p	p	o

Composite herbs

* <i>Achillea millefolium</i>	yarrow		p	p	p	p	o
<i>Anaphalioides alpina</i> ³⁰							
<i>Anaphalioides bellidioides</i>	Hell's bells	l	p	c	p	p	p
<i>Anaphalioides trinervis</i>		l	p				p
<i>Brachyglottis lagopus</i>	yellow rock daisy		p	p	c	p	
<i>Brachycome radicata</i>	roniu		p	o			
<i>Celmisia alpina</i>	bog mountain daisy						
<i>Celmisia glandulosa</i>	downy daisy		p	o	c	p	
<i>Celmisia gracilentia</i>	mountain daisy, pekepeka		p	c	c	p	
<i>Celmisia spectabilis</i>	common mountain daisy		p	o	a	p	
* <i>Cirsium arvense</i>	Californian thistle	p	p	u	p	p	o
* <i>Cirsium palustre</i>	marsh thistle		p	r			o
* <i>Cirsium vulgare</i>	Scotch thistle	u	u	u			o
* <i>Conyza albida</i>	broad-leaved / tall fleabane	u					p
<i>Craspedia minor</i> var. <i>minor</i>							p
<i>Craspedia uniflora</i> subsp. <i>uniflora</i>	woollyhead	l	p	p	o	p	
* <i>Crepis capillaris</i>	hawksbeard	o	p	o	p	p	lc
<i>Euchiton audax</i>		p					
<i>Euchiton delicatus</i>	creeping cudweed		p				p
<i>Euchiton ensifer</i>							p
<i>Euchiton gymnocephalus</i>							p
<i>Euchiton involucratus</i>							p
<i>Euchiton limosus</i>				P			p
<i>Euchiton mackayi</i>					p		
<i>Euchiton paludosus</i>				p	p	p	
<i>Euchiton</i> aff. <i>paludosus</i> "green" ³¹					p		
<i>Euchiton ruahinicus</i>	creeping cudweed		p				
<i>Euchiton sphaericus</i>		p	p				p
<i>Euchiton traversii</i>				p	p	p	

²⁹ By Moawhango riverhead.

³⁰ Found in Kaimanawa Range according to Glenney, 1997.

³¹ Found in the Te Hiwikaiteuri Stream (16-3-2005)

Scientific name	Common name	Distribution within Park					
		1	2	3	4	5	6
<i>*Gnaphalium coarctatum</i>	purple cudweed		p				p
<i>Helichrysum filicaule</i>							p
<i>*Hieracium pilosella</i>	mouse-ear hawkweed	o	c	a	o	p	lc
<i>*Hypochoeris radicata</i>	catsear	o	c	c	u	p	o
<i>*Lactuca serriola</i>	prickly lettuce	u					
<i>Lagenifera cuneata</i>	slender N Z daisy						
<i>Lagenifera montana</i> ³²							
<i>Lagenifera petiolata</i>	papataniwhaniwha		p				p
<i>Lagenifera pinnatifida</i>			p				
<i>Lagenifera pumila</i>	papataniwhaniwha	o	p		p		p
<i>Lagenifera strangulata</i>	parani	l	c	c		p	c
<i>*Leonotodon taraxacoides</i>	hawkbit	u			p	p	o
<i>Leptinella pusilla</i>			p		p		
<i>Leptinella squalida</i>	fern-leaf pincushion		p	p	p		
<i>*Leucathemum vulgare</i>	oxeye daisy						o
<i>Leucogenes leontopodium</i>	North Island edelweiss				u		
<i>*Matricaria dioscoidea</i>	rayless chamomile						p
<i>Microseris scapigera</i>	Yam daisy		p	p	p	p	
<i>*Mycelis muralis</i>	wall lettuce	o	c	u			c
<i>Pseudognaphalium luteoalbum</i>	Jersey cudweed		p	p	p		p
<i>Raoulia albosericca</i>	Volcanic Plateau raoulia		p	l	c	p	p
<i>Raoulia australis</i>	golden scabweed	l					
<i>Raoulia glabra</i>	mat daisy	l	p	o			o
<i>Raoulia grandiflora</i>	large-flowered mat daisy				c	p	
<i>Raoulia tenuicaulis</i>	mat daisy, tutahuna	l	c	a	p	p	la
<i>*Senecio bipinnatisectus</i>	Australian fireweed	o					
<i>Senecio glaucophyllus</i> ³³					p		
<i>*Senecio jacobaea</i>	ragwort, Saint Jame's wort	lc	p	c	p	p	lc
<i>Senecio minimus</i>	fireweed						p
<i>Senecio rufoglandulosus</i>	thistle-leaved senecio		o	r		p	
<i>*Senecio sylvaticus</i>		p					p
<i>Senecio wairauensis</i>	fireweed	u					
<i>*Sonchus asper</i>	prickly sowthistle			p			o
<i>*Sonchus oleraceus</i>	common sowthistle			p			o
<i>Taraxacum magellanicum</i> ³⁵	native dandelion			p	p	p	
<i>*Taraxacum officinale</i>	dandelion		o	o	o		o
<i>Vittadinia australis</i> ³⁵	white fuzz weed	u	p	o			

Dicot herbs other than composites

<i>Acaena anserinifolia</i>	bidibid, piripiri, hutiwai	o	p	p	p		c
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³² Found in Kaimanawa Mts by A. P. Druce 1946 according to Drury, 1974.

³³ One plant found on scree by Umukarikari Track, Lund 2002.

³⁵ By Waipakihi Little Stream head.

³⁶ White fuzz weed is found on dry old river gavel's.

Scientific name	Common name	Distribution within Park					
		1	2	3	4	5	6
<i>Acaena emittens</i>				p		p	
<i>Acaena inermis</i>	mountain bidibi			u		p	
<i>Acaena microphylla</i>	scarlet bidibid		p	p	p	p	r
<i>Acaena novae-zelandiae</i>	red bidibid						
<i>Acaena profundeincisa</i>	alpine bidibid				p	l	
<i>Aciphylla colensoi</i>	giant speargrass, taramea			u	lc	p	
<i>Aciphylla squarrosa</i>	speargrass, karamea		o		p	p	
* <i>Anagallis arvensis</i>	scarlet pimpernel	p					p
<i>Anisotome aromatica</i>	native carrot, aniseed, kopoti	l	c	c	a	p	
* <i>Aphanes inexpecta</i>	parsley piert	p					p
<i>Australina pusilla</i> ³⁶		p					
* <i>Callitriche stagnalis</i>	starwort		o	p			u
<i>Cardamine debilis</i> agg.	NZ bittercress, panapana	o	c	c	p		c
<i>Cardamine hirsuta</i>	hairy bittercress						p
* <i>Centaurium erythraea</i>	centaury	l					p
<i>Centella uniflora</i>						p	
* <i>Cerastium fontanum</i>	mouse-eared chickweed	u	c	c	p	p	o
<i>Colobanthus apetalus</i>	tufted grasscushion						
<i>Colobanthus buechananii</i>	pincushion				p	p	
<i>Dactylanthus taylorii</i>	wood rose						
* <i>Digitalis purpurea</i>	foxglove						o
<i>Drosera arcturi</i>	alpine sundew			l	c	p	
<i>Drosera binata</i>	forked sundew, scented sundew		r				
<i>Drosera spathula</i>				l	p	p	
<i>Epilobium alsinioides</i> ???			p				
<i>Epilobium brunnescens</i>	creeping willowherb	o	p				c
<i>Epilobium glabellum</i>	glossy willowherb		p		p	p	
<i>Epilobium komarovianum</i>	creeping willowherb		p		p	p	
<i>Epilobium microphyllum</i>			p	p			p
<i>Epilobium nerterioides</i>			p				
<i>Epilobium pedunculare</i>	long-stalked willowherb	u	p		p	p	p
<i>Epilobium pubens</i>		l					
<i>Epilobium pycnostachyum</i>	scree epilobium				p	p	
<i>Epilobium rotundifolium</i>	round-leaved willowherb	l					
<i>Euphrasia cuneata</i>	North Island eyebright		o	l	a	p	
<i>Euphrasia zelandica</i>	lesser NZ eyebright			l	a	p	
<i>Forstera bidwillii</i>	leafy forstera		u	l	a	p	
<i>Galium perpusillum</i>	dwarf bedstraw		c	c	p	p	
<i>Galium propinquum</i>	mawe	p	o	u			
<i>Gentiana bellidifolia</i>	mountain / common NZ gentian		p	c	a	p	r
<i>Gentianella grisebachii</i>	marsh gentian, small NZ gentian			p	p		

³⁶ In creek near Kiko Rd loop track

Scientific name	Common name	Distribution within Park					
		1	2	3	4	5	6
<i>Gentianella patula</i> ³⁷	alpine gentian				p		
<i>Gentianella chathamica</i> subsp. <i>nemorosa</i>			lc			p	
<i>Geranium microphyllum</i>	small-leaved cransbill	u	c	c	c	p	lc
<i>Geranium potentilloides</i> var. <i>potentilliodes</i>					p		
<i>Geranium sessiliflorum</i>	short-flowered cranesbill		c	c	p	p	lc
<i>Geum cockaynei</i>	NZ avens				p	p	
<i>Gonocarpus aggregatus</i>							p
<i>Gonocarpus micranthus</i>		p		p	p	p	o
<i>Gratiola sexdentata</i>							r
<i>Gunnera dentata</i>		p	p	c	p	p	o
<i>Hydrocotyle dissecta</i>		u	p				c
<i>Hydrocotyle heteromeria</i>	waxweed pennywort	o	p				c
<i>Hydrocotyle microphylla</i>							
<i>Hydrocotyle moschata</i>	hairy pennywort	u	a	o			c
<i>Hydrocotyle novaezelandiae</i>					p	p	
<i>Hydrocotyle sulcata</i>	pennyworth				p	p	
<i>Hypericum japonicum</i>	matted Saint John's wort						p
<i>Jovellana repens</i>		p					u
<i>Kelleria dieffenbachii</i>	NZ thyme				c	p	
<i>Kelleria laxa</i>	NZ thyme			u		p	
* <i>Linum bienne</i> ⁴⁰	pale / Australian flax	p					
* <i>Linum catharticum</i>	purging / fairy flax	o	c	a			o
<i>Liparophyllum gunnii</i>					p		
* <i>Lotus pedunculatus</i>	lotus	u		la			la
* <i>Lotus suaveolens</i>	hairy birdsfoot trefoil	p					o
* <i>Ludwigia palustris</i>	water purslane						r
* <i>Mentha pulegium</i>	pennyroyal						p
* <i>Montia fontana</i>	blinks		o	p	p		
<i>Myosotis australis</i> ⁴¹					p	p	
<i>Myosotis forsteri</i>		r	c	o		p	u
* <i>Myosotis laxa</i>	water forget-me-not						o
<i>Myosotis pygmaea</i> var. <i>glauca</i> ?				p			
* <i>Myosotis laxa</i>	water forget-me-not						p
<i>Myosotis</i> "Volcanic Plateau" ⁴²	volcanic plateau forget-me-not				p	p	
<i>Myriophyllum pedunculatum</i> ⁴³	soft herb				p	p	
<i>Neopaxia calycina</i> ⁴⁴					p	p	
<i>Neopaxia campylostigma</i> ⁴⁵			c	c	p	r	

³⁷ At least one site south of Thunderbolt Track towards T2

⁴⁰ By Waikato Falls

⁴¹ One site by Patutu

⁴² Present on river flats throughout the Waipakihi Valley and at a site near Mt Patutu however the later could be *Myosotis pygmaea* var. *drucei*.

⁴³ By Moawhango riverhead and on Thunderbolt / Middle Range.

⁴⁴ Previously included in *N. australasica*.

⁴⁵ Previously included in *N. australasica*.

Scientific name	Common name	Distribution within Park					
		1	2	3	4	5	6
<i>Nertera ciliata</i>	ciliate nertera		p	o	p		
<i>Nertera depressa</i>	bead plant, fruiting duckweed	o					p
<i>Nertera villosa</i>		p	p		p	p	p
<i>Oreomyrrhis colensoi</i>	mountain myrrh		c	c	c	p	c
* <i>Ornithopus perpusillus</i>	wild seradella	p					p
<i>Ourisia caespitosa</i>							
<i>Ourisia macrophylla</i>	mountain foxglove		p		o	p	
<i>Ourisia vulcanica</i>	matted ourisia		p		a	p	
<i>Oxalis exilis</i>	creeping / yellow oxalis	p	c	o			c
<i>Oxalis magellanica</i>	white oxalis, tutae-kahu	o	a	c	p	p	u
<i>Parahebe hookeriana</i> var. <i>hookeriana</i>			u		c		
<i>Parahebe spathulata</i> ⁴⁶						p	
* <i>Parentucellia viscosa</i>	tarweed	p		lc			
<i>Phyllacne colensoi</i>	rock cushion				lc	p	
* <i>Plantago lanceolata</i>	lamb's tongue	p	u	l			o
<i>Plantago lanigera</i>					p	p	
* <i>Plantago major</i>	broad-leaved plantain	p		l			o
<i>Plantago raoulii</i>	tukorehu			p			p
<i>Plantago unifolia</i>					p		
* <i>Polygonum persicaria</i> (= <i>Persicaria maculosa</i>)	Vietnamese mint, willowweed	u					
<i>Potentilla anglica</i>						p	
<i>Pratia angulata</i>	panakenake	l	c	a	p		a
<i>Pratia perpusilla</i>					p	p	
* <i>Prunella vulgaris</i>	selfheal	l		o	p	p	lc
<i>Psycrophila novae-zelandiae</i>	NZ marigold, yellow caltha				p	p	
* <i>Ranunculus acris</i>	giant / meadow buttercup						o
<i>Ranunculus glabrifolius</i>	swamp buttercup	l	o	lc			u
<i>Ranunculus multicapus</i>	common tussock buttercup			o			
<i>Ranunculus nivicola</i>	mountain / snow / Mt. Egmont buttercup			p	p	p	
<i>Ranunculus reflexus</i>	bush / hairy buttercup, maruru	c	c	c	p		c
* <i>Ranunculus repens</i>	creeping buttercup, crowfoot			r			o
* <i>Rorippa nasturtium-aquaticum</i>	watercress			r			r
* <i>Rumex acetosella</i>	sheep's sorrel	p	c	c			o
<i>Rumex flexuosus</i> ⁴³	native dock			r			
* <i>Rumex obtusifolius</i>	broad-leaved / bitter dock						p
* <i>Sagina procumbens</i>	pearlwort	p	c	c	p	p	lc
<i>Schizeilema</i> spp.		l					
<i>Schizeilema nitens</i>					p	p	
<i>Schizeilema trifoliolatum</i>			a	o			r
<i>Scleranthus biflorus</i>	Irish moss				p		
<i>Scleranthus uniflorus</i>						p	
<i>Selleria microphylla</i> ⁴⁷	selliera, remuremu					p	
* <i>Solanum nigrum</i>	black nightshade						p

⁴⁶ By patutu.

⁴³ Found on one river flat down stream of Thunderbolt Creek in the Waipakihi Valley

⁴⁷ By Moawhango riverhead.

Scientific name	Common name	Distribution within Park					
		1	2	3	4	5	6
<i>*Solanum tuberosum</i>	potato						o
<i>Stackhousia minima</i> ⁴⁸						p	
<i>*Stellaria alsine</i>	bog stichwort	u					
<i>Stellaria gracilentia</i>	slender chickweed				p		
<i>*Stellaria media</i>	chickweed						p
<i>Stellaria parviflora</i>	NZ chickweed	p	o				u
<i>*Trifolium dubium</i>	suckling clover	u	c	c			o
<i>*Trifolium pratense</i>	red clover						o
<i>*Trifolium repens</i>	white clover	p	c	o			lc
<i>Urtica incisa</i>	bush / scrub nettle	c	c	u			c
<i>Utricularia dichotoma</i> ⁴⁹	bladderworth				p		
<i>*Verbascum thapsus</i>	great / woolly mullein	p					
<i>*Veronica arvensis</i>	field speedwell		p	p	o		o
<i>*Veronica persica</i>	scrambling speedwell						p
<i>*Veronica serpyllifolia</i>	Turf speedwell			p			p
<i>Viola cunninghamii</i>	mountain / white violet		c	c	p	p	u
<i>Viola filicaulis</i>	forest violet	l	c	o	p	p	c
<i>Viola lyallii</i>	NZ native violet, haaka	u					
<i>Wahlenbergia gracilis</i> ⁵⁰	NZ / slender harebell	u					
<i>Wahlenbergia pygmaea</i>	maori bluebell		c	c	a	p	

⁴⁸ By Waipakihi Little Stream head.

⁴⁹ Bog by watercourse south of Thunderbolt Track and in wetland area up on Middle range.

⁵⁰ This species has been split up in several new species. This is probably *W. violacea*.