

WANGANUI PLANT LIST NO. 46

Mohakatino River mouth: vascular plants of swamp and forest (on true right bank between SH 3 and coast)¹

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Plants are listed as -

x present
S in swamp
F forest
* denotes adventive species

[CCB] Species recorded in Mohakatino swamp or forest by Clarkson et al. (1981), but not seen in 1991 survey.

[MC] Additional species recorded in tainui grove by Merrett et al (1997)

Gymnosperm Tree

	<u>S</u>	<u>F</u>
Dacrycarpus dacrydioides		x

Dicot Trees and Shrubs

Beilschmiedia tawa [CCB]	tawa		
Brachyglottis repanda	rangiora		x
Coprosma repens	taupata	x	
C. robusta	karamu		x
Corynocarpus laevigatus	karaka		x
Dysoxylum spectabile	kohekohe		x
Geniostoma rupestre var. ligustrifolium	hangehange		x
Griselinia lucida [CCB]	puka, broadleaf		
Hebe stricta var. stricta [CCB]	koromiko		
Hedycarya arborea [MC]	pigeonwood		x
Knightia excelsa	rewarewa		x
Leptospermum scoparium	manuka		x
Leucopogon fasciculatus	mingimingi		x
Litsea calicaris	mangeao		x
*Lupinus arboreus	lupin	x	
*Lycium ferocissimum	boxthorn	x	
Macropiper excelsum ssp. excelsum	kawakawa	x	x
Melicope ternata	wharangi		x
Melicytus ramiflorus	mahoe		x
Myoporum laetum	ngaio		x
Myrsine australis [CCB]	mapou		
Olearia albida			x
Pomaderris apetala	tainui		x
Pseudopanax arboreus	five finger		x
Rhabdothamnus solandri	taurepo		x

¹ Appendix 6 of Merrett et al. (1997) has a partial list of species for this area, alongside that for Tainui SR, just north of Mokau.

		<u>S</u>	<u>F</u>
Salix sp [CCB]	willow		
Solanum aviculare	poroporo		X
*S. mauritianum	wooly nightshade	X	X
*Ulex europaeus	gorse		X
<u>Monocot Trees</u>			
Cordyline australis	cabbage tree		X
Rhopalostylis sapida	nikau		X
<u>Dicot Lianes</u>			
Calystegia tuguriorum			X
Metrosideros carminea	carmine rata		X
M. perforata	white rata		X
Muehlenbeckia australis [CCB]	pohuehue		
M. complexa	small-leaved pohuehue	X	
*Rubus fruticosus	blackberry	X	
R. sp.	lawyer		X
Tetragonia trigyna	NZ spinach	X	
<u>Monocot lianes</u>			
Freycinetia baueriana			
ssp. banksii	kiekie		X
Ripogonum scandens	supplejack		X
<u>Dicot herbs</u>			
*Acaena novae-zelandiae	bidibidi		X
*Carduus tenuiflorus	winged thistle		
*Cirsium vulgare	Scotch thistle	X	
*Conyza sp.	fleabane	X	
Cotula coronopifolia	batchelor's button	X	
*Digitalis purpurea	foxglove		X
Elatostema rugosum	parataniwha		X
Epilobium sp. (E. nummulariifolium?) [CCB]	willowherb		
*Fumaria muralis	fumitory	X	
*Galium aparine	cleavers	X	
*G. palustre	marsh bedstraw	X	
*Geranium molle	dove's foot	X	
Haloragis erecta			X
*Leontodon taraxacoides	hawkbit	X	
Lilaeopsis sp.		X	
Lobelia anceps	NZ lobelia		X
*Lotus pedunculatus	lotus major	X	
*Ludwigia peploides CHR 477104	water primrose	X	
*Mentha pulegium	pennyroyal	X	
*Physalis peruviana	Cape gooseberry		X

		<u>S</u>	<u>F</u>
*Phytolacca octandra	inkweed	X	
Polygonum salicifolium	NZ willow-weed	X	
*Ranunculus repens	creeping buttercup	X	
*Rumex crispus	curled dock	X	
*R. sagittatus	climbing dock	X	
*Senecio bipinnatisectus	fireweed	X	
*S. jacobaea	ragwort		X
*Solanum nigrum	black nightshade	X	
*Sonchus oleraceus	puwaha, sowthistle	X	
*Stachys sylvatica	hedge woundwort	X	
*Stellaria media	chickweed	X	
<u>Monocot herbs</u>			
*Ammophila arenaria	marram grass	X	
Arthropodium cirratum	renga lily		X
Bolboschoenus fluviatilis		X	
Carex flagellifera			X
C. lambertiana [MC]			X
C. pumila	sand carex	X	
C. virgata		X	
C. sp. [unnamed; c.f. C. geminata; large plants]		X	
C. sp. [unnamed; c.f. C. raoulii and C. testacea] CHR 477105			X
Collosperrum hastatum [CCB]			
*Cortaderia selloana	pampas	X	
C. toetoe	toetoe	X	?
Corybastrilobus [MC]	spider orchid		X
*Cyperus brevifolius CHR 477103		X	
C. ustulatus	mariscus	X	
*Dactylis glomerata	cocksfoot	X	X
Eleocharis acuta	sharp spike sedge	X	X
*Festuca arundinacea	tall fescue	X	X
Gahnia lacera [CCB]			
*Holcus lanatus	Yorkshire fog	X	X
Isolepis cernua		X	
I. nodosa	club sedge	X	
I. prolifer		X	
*Juncus articulatus	jointed-leaved rush	X	
*J. bufonius [CCB]	toad rush		
J. sp. [CCB]			
Leptocarpus similis	jointed wire-rush	X	
*Lolium perenne	perennial ryegrass	X	
Luzulapiota s.s. [MC]	woodrush		X
Machaerina sinclairii	tuhara		X
Microlaena stipoides	meadow ricegrass	X	X
Oplismenus imbecillus			X
Phormium cookianum [CCB]	wharariki, mountain flax		
P. tenax	harakeke, NZ flax	X	X
*Paspalum distichum	Mercer grass	X	
Poa anceps ssp.anceps			X
Sparganium subglobosum	bur-reed	X	

Typha orientalis	raupo	x	
Uncinia uncinata	hooked sedge		x

Ferns

Adiantum cunninghamii	maidenhair fern		x
A. hispidulum WELT (Ogle No. 533)	maidenhair fern		x
Asplenium flaccidum [CCB]	hanging spleenwort		
A. hookerianum [MC]			x
A. oblongifolium	shining spleenwort		x
A. polyodon [CCB]	sickle spleenwort		
Azolla filiculoides ssp. rubra [CCB]	red water fern		
Blechnum chambersii			x
B. filiforme	climbing blechnum		x
B. sp. [unnamed; B. capense agg. "Black Spot"]	kiokio		x
Cyathea cunninghamii WELT (Ogle No. 534)	gully fern		x
C. dealbata	ponga		x
C. medullaris	mamaku		x
Dicksonia squarrosa [CCB]	wheki		
Doodia media ssp. australis			x
Microsorium pustulatum	hound's tongue		x
M. scandens			x
Paesia scaberula	ring fern		x
Pneumatopteris pennigera			x
Polystichum richardii	shield fern		x
Pteridium esculentum	bracken	x	x
Pteris pendula [P. macilenta of NZ authors]			x
P. tremula	shaking brake		x
Pyrrhosia eleagnifolia [CCB]	leatherleaf fern		

Notes

The following is nationally endangered, following Given (1990):

Pomaderris apetala: known in only two sites (this site and Tainui Scenic Reserve, north of Mokau).

In addition, the following native species are notable occurrences:

Metrosideros carminea: reaches southern limit in coastal and semi-coastal sites in North Taranaki; more common in north of North Island.

Melicope ternata - strictly coastal in North Taranaki from Mokau to Urenui (more common from Waikato northwards); also (very rare) from near Patea to Wanganui, and also on Wellington and Wairarapa coasts.

Olearia albida - near southern limit - western North Island only.

Litsea calicularis - near southern limit (Mt Messenger) - common in forests from Waikato and Rotorua northwards.

Carex sp. [unnamed; cf *C. raoulii* and *C. testacea*]: not uncommon sedge of coastal scrub and forests, but seemingly rare in Wanganui Conservancy.

Oplismenus imbecillus: common grass of coastal scrub and forests, but seemingly rare in Wanganui Conservancy.

Sparganium subglobosum: not uncommon in fertile wetlands of northern half of North Island; few locations in Wanganui Conservancy (Mohakatino, Christie's Lake [Upokongaro], Waimahora Swamp [Santoft] and places south of this).

Adiantum hispidulum: the only known location in Wanganui Conservancy - rare in North Island south of Waikato-Rotorua areas.

Cyathea cunninghamii: scattered but uncommon in Wanganui Conservancy.

Doodia media: few records in Wanganui Conservancy and other places south of latitude 39°.

Two uncommon adventive species of Wanganui Conservancy are:

Cyperus brevifolius: coastal North Taranaki only in Wanganui Conservancy, common further north.

Ludwigia peploides: most published references give Waikato as southern limit, but Johnson's "Wetland plants in NZ" (1989) acknowledges a collection from L. Koitiata: Mohakatino is the second known site in Wanganui Conservancy.

References

- Bayfield, M A; Courtney, S D; Wiessing, M I. 1991. North Taranaki ecological district. Survey report for the protected natural areas programme, No. 16. Department of Conservation, Wanganui. 172p.
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- Merrett, M; Clarkson, B D; Whaley, K; Clarkson, B C; Stephens, D. 1997. Ecology and conservation of three threatened shrubs of the coastal zone: *Brachyglottis perdicioides*, *Olearia pachyphylla*, and *Pomaderris apetala*. Landcare Research (NZ) Ltd report, LC9798/015 Hamilton.