

W.A. Miller Memorial Scenic Reserve

Area: 2.4281 ha

	GRID			***************************************					
W.A. MILLER MEMORIAL SCENIC RESERVE	REF T25 340521								
	ory/prehistory water su	pply							
17 km SW of Eke ahuna. ACCESS On roace side with access into reserve from the M.O.W. picnic site at NE	I.D. No. Part Lot 2 DE STATUS and XIII						IX		
end through a gale, and track around stream boundary.	RES sub-Cttes Scenic								
OUTLINE & TOPO The "half-mo-n" shaped reserve is on a bend of the Makakahi River, on river terraces above the present river course. The lowermost terrace is furrowed									
with old drainage channels. Originally the stand of vegetation was (podocarp)/tawa but is now predominantly tawa with grassy cleared riverbanks.	GAZETTED 1947/1806 RESERVED								
	HISTORY Gifted to Cro						Saw		
SURROUNDINGS Bordered by the Makakahi River on the N side, and the State Highway on the S side. Beyond is open, rolling farmland.	AIR PHOTO 5139 A/3 29.9.77.								
GEOLOGY Calcareous sandy mudstone and sandstone, river terraces.	nearby town .7km nearest reserve 25km	E ke tah: Tiraum		Mt. Br	aice (Wildl	ife		
,	public road State High sea (km) 50 ALTITUDE m/kx 275-3	way No	. 2			anctua			
SPM Alluvia: silts and gravels	ASPECT Flat to NW								
\$0!1 Yellow-brown earth, weakly clay illuvial, Makotuku-Whetukuru soils.	RAIN mm/isk 1905								
DRAINAGE Good on upper terrace, poor on lower terrace.	(approx) HAT FERTILITY High								
RES NOT MAIN HABITATS and FEATURES		% area	area ha	natio		regen NAT !	rend?		
1. (Miro) - (totara) - (matai) / tawa-rewarewa. Light understorey of divaricati			2.40			M M	1 1		
ferns on lower, damper, shadier terrace; predominantly mahoe and Copro on upper terrace. Asplenium on lower terrace, Phymatosorus on upper te margin on NW boundary. Totara and lacebark planted(?) along road bounda blackberry, Tradescantia.	rrace. Broadleaved			MAIN MANAGEMAN			-		
Clearing with juvenile conifers, bracken, grasses etc., formed during rexotics.	emoval of mature	1.6	0.02		~	ML	sH		
							444		
						.			
	•						-		
		1							
							V 44 000 000 000 000 000 000 000 000 000		
		<u> </u>							
ONDITION All large podocarps have been removed. Some over-mature tawa around edges. O	therwise canony in go	100	2.42 Sition	wit	<u></u> _				
vigorous tawa regeneration although understorey is thin. Serious weed infestation.	cite and carropy are go			,					
FENCING Fenced along road margin and picnic area only.									
RIGRITY Medium; a fence of N boundary would prevent possible stock access from stre	ambed.								
RATING 0-10 SCIENTIFIC1									
and the second of the second o									
2 Reserve itself is untracked although adjacent carpark and riverbank t	rack are well estroni	sed							
RECREATION	are well pationi								
CONCLUSIONS and RECOMMENDATIONS The rest area at the N boundary is an ideal stop for motorists. The well-shaded grass planted flax, miro, totara and exotic trees. Central to the area is the memorial plaq of the reserve Lawsonianas have been planted, probably also the totara and lacebark.	ue to W.A. Miller. Al:	ong the	road	bound					
centre of the reserve; these have recently been ringbarked. Milling of podocarps was undertaken between 1942-1944 by Allen and Son. During this p									
were removed, presumably from the lower terrace. A few fallen logs which remain have in March 1982 a submission proposed reservation of the unformed legal road adjoining									
this addition is 2.1200 ha.									
The nearest native bush is the Mt Bruce State Forest, 2 km S on State Highway 2 , which rata/tawa hillside vegetation of the region. This vegetation extends to within 1 km of			rp-noi		n ontin	ued	.)		
24 April Fine	aditions IG	198	1						

hours Fine Parents of TREND: D deteriorating; S steady; I improving

CONCLUSIONS AND RECOMMENDATIONS (Continued)

The lower terrace of this reserve is damp; old drainage channels at intervals are often filled with stagnant water. Ground ferns are dense, mostly Asplenium species, with common Blechnum, Trichomanes, crepefern, bracken and tree ferns. The large 'woody' terrestrial orchid Gastrodia cunninghamii is found here, 50 cm tall, with green-yellow flowers. The undergrowth is more open towards the river, with a margin of shrubs including hebe, lacebark, narrow-leaved lacebark, lemonwood, young hinau and Coprosma species. The upper is drier with an open undergrowth of Phymatosorus fern, Tradescantia, blackberry, some grasses Coprosma rotundifolia, Coprosma grandifolia and mahoe. Species diversity is noticeably lower on the higher, more disturbed terrace.

The reserve is a small, logged remnant of bush providing an attractive view and stop for passing motorists. Since previous disturbance the native species are regenerating freely but unfortunately so is the blackberry found through the reserve and the *Tradescantia* at the northern end. Control has not been entirely successful around the bush margins and spraying should be continued. The narrow grass track around the NW perimeter could be improved as it provides access to the river, but a track through the bush is probably unwarranted.

REFERENCES

% area	SUMMARY	HABITATS		\mathcal{I}	ĺ	10	veg		substrate			poli utia				2.5	1	ORGANISMS		INFER		08	SERVE		E D	
[WATER/SHORE	1		Ι,	Overt Stable	7.	r}		-,-	1.8.	7	, ,	<u> </u>		-,-		u = u df o	INA FUACEVO	N 3	S M	N	L	M	Hįi	iitials
[tall conifer forest/trees conifer forest/trees	a = udjoins		1.1	3/	OVER SULSEL	emergent	∫نو'	1	1.	S+ shingle	II	\ <u>.</u>	\$/	toar	Ι,	/	higher nati	ive plants 66.			H			Ì	- !
1	beech forest/trees	reserve	186	lleus.	Several.	$\frac{\omega}{2}$		ctitt	:/:	stany	[3]	PAU S	Juegin	euffort	12	000	(ca)	lower plan	ls .							
18.4	BL forest/trees	/	10	5/	4/5	10	3/-	10	13	15	إذا	610	\$ / ·	عة أع		10	ď.	exotic plan	215					Ì		
1		sw/lw coast			 			+	-		†		+	-		_			bush	11			~		-	l
V	scrub/showbe < 6m	swifw beach			 -	+	-	┿-	 		\dashv		+	<u> </u>	_	-	_	exotic plan	ts serub					~		
-	tall tussocks/grassland	sw/fw estuary	_ .					-	-		_	-	-		1		_	in native	grass			1		١		
-	short tussocks/grossland	sw/fw rockpeal			-	-						+					-									
	grassland/grasses	lake 120m +	4					 	-				+	+				higher fres	hwater plants							
ļ	sedgeland/sedges	paol/tern	-	4-	+	∔_			<u> </u>	\vdash		4	-	<u> </u>	-			lower trest	iwater plants	V		-				
i	rushland/rushes/raupo	river 5m +	-	_		ļ						+	-	-		-										ļ
1	harbland/harbs	stream			+									ļ			i	native mam	mals							- 1
i	"tussock" herbland *	spring/seepage			+-	-		-	<u> </u>	\dashv			+-	-				native bird.					V	1		
į	fernland/ferns				1			1	<u>i</u> i			Ш.	<u> </u>	<u> </u>	<u>l</u>			introduced	birds			l	~			ł
ļ	"moss" land	MAMMALS																waterfowl s		1						
, and a second	bracken							i							<i>N</i> .	5 1	W	introduced	waterfowl							
		cattle		- } .	gost	gra	up.	1			rab	bit				V	4	reptiles								l
	exotic gresslend 5	sheep	1		wali	laby		İ	1		510	8 (g/	оир	f		Ì		native/intro	duced amphibia	1		1				
1.6	exotic herbieho/weedland	harse	-		cet	† †			il	1	rat-	- กอา	ив,	,		İ	İ	fw native fi	sh						-	l
/	exotic scrub/shrubs	deer group	i		poss	sum.			V	i	ret-	-shij	o †					fw introduc	ced fish	V						İ
vi	exotic forest/troop	pig	Į.	1	here	•		İ	! !	Ì	me	ise	f			ļ		fw inverteb	rates	V						ŀ
j	introduced "native" cover	† throughout co	† throughout country - assume present unless 'none' ticked								terrestrial in	nvertebrates	~				ŀ									
			† throughout country - assume present untess none ticked															ļ.								
	bog/swamp/pakihi	OTHER FACTORS IN RESERVE							'e	V																
ì	march sw/fw																									
Ì	mudflat sw/fee															.										
	bluff/racks	(access)	to .	S	80	7						7	3	h-1	adį								₩	1 4	W H	f adj
	blulls/rocks in bush	signpost		ļ		h.	1ŧ					1								па	tives					V
	waterfall	clear entry	~	į	V	10	cal ra	nger					İ		İ				planting of	"na	itives"	. :				
	cave/gorge	CBF	~		V								1							ex	ctics					V
1	gravel habitat/scree	4wd	-			1.	1110W	pil	•						-				troublesome p	piants				- 1	/	
İ	dure/send	path	į	ŀ	0	m	ine								-				stock in rese	rve .			امرا		1	
	limestone	marked track	-		Ì	H	sd .					}	-	1	1				nett animal d	amage			/			
	ultrabasics	rough track	-	1	Ì	be	ilding					1	1		****									Į		
	geological site	paper road			-	ρ	lon					-							degree used					4		1
İ	gowingstat site	boat			-	p	le						İ	1	1				litter rubbish					1	1	
	bearding man-d	no obvises	1	-		ps	aeline					Ì		1					heavy rubbis!	}						
	breeding ground	no legal	***************************************			CL	t strij	7				İ	-						casual cutting							
-	rara/interesting animals			-		c/	earing	500) t						V				logging					- }		
	rars/interesting plants		ļ			c/	earing	-eze	lensi	ve		-			Ì				"			1				
		(general;	1 .	s A	ad,	i u	ans/at	or et	'c			1	-						unnatural dra	inage -	- wet	100		1		
ł	historic site	reserve notice	1			at	ner w	rarks	;			E.	1						unnetural dre	-						
	historic building	information notice		İ		1													accelerated er	-	•				1	
	prehistoric site	plant labels			1	1 91	ezing	leas	ē										topdressing ri					1		
1	camp /midden/pits	picnic + water	İ		V	01	her le	858															-			
	terraces/earthworks	ditto + car			1	1						1	-						burnt < 25 y	ears		ļ		Ì	-	
7	hurial/tapu	bosting	-									N	5	M	ed/				burnt > 25 y]	1	İ		
		-	i	ĺ	1	i	natur								~				fire risk			****	لم.	-	1	
.00						V/.	rual p	זטוום	100						- 1						6	CA	-	-	Ì	

tall conifer: kahikatea, kauri, matai, miro, rimu, totara

? remaining 11 tree-sized spp 3 broa

3 broadleaved 4 e.g. flax

incl. rough grassland, pasture et

NATIVE SPECIES

Trees and shrubs

Aristotelia serrata
Beilschmiedia tawa
Brachyglottis repanda
Carpodetus serratus
Coprosma grandifolia
C. rotundifolia
Dacrydium cupressinum
Elaeocarpus dentatus
Fuchsia excorticata
Hebe stricta

Climbers, lianes etc.

Clematis forsteri Metrosideros diffusa M. perforata

Grasses, rushes and like plants

Poa anceps

Herbs

Cardamine sp.
Collospermum microspermum

Ferns

Asplenium bulbiferum

A. flaccidum
A. polyodon
Blechnum chambersii
B. fluviatile
Cyathea dealbata
C. medullaris
C. smithii

blackberry cypress grasses

blackbird fantail Hoheria populnea var lanceolata (incl. H. sexstylosa)
Knightia excelsa
Lophomyrtus bullata
Lophomyrtus bullata
Melicytus ramiflorus
Myrsine australis
Nestegis lanceolata
Paratrophis microphylla
Pennantia corymbosa

Muehlenbeckia australis Parsonsia heterophylla Ripogonum scandens

Uncinia uncinata

Dianella nigra Hydrocotyle moschata

Dicksonia squarrosa Lastreopsis glabella L. velutina Leptopteris hymenophylloides Lycopodium billardieri Pellaea rotundifolia

EXOTIC SPECIES

Iris foetidissima ivy macrocarpa

BIRDS

greywarbler magpie Pittosporum eugenioides
P. tenuifolium
Plagianthus betulinus
Podocarpus dacrydioides
P. ferrugineus
P. spicatus
P. totara
Pseudopanax arboreus
P. crassifolius
Weinmannia racemosa

Rubus australis R. schmidelioides

Gastrodium cunninghamii Phormium tenax

Phymatosorus diversifolius Pneumatopteris pennigera Polystichum vestitum Pteridium esculentum Pyrrosia serpens Trichomanes venosum

pines Tradescantia

silvereye wood pigeon