	- William Committee Commit	GRID						-			
	RA BUSH (PROPOSED) SCENIC RESERVE	REF 528 284635-28664									
	Nerv $\sqrt{b_{BSh}} \sqrt{s_{c}}$ sub-masses $etc \sqrt{weetan_{b}}$ plants animals geology/soil historiday between White Rock Road and Tora Road, 38 km by road SE of	ry/prehistory water sup. AREA ha/228 548.6852									
1	borough, near the coast east of Cape Palliser, Southern Wairarapa.	L.D. No. Sections 245, 22170 Block XI STATUS Crown Land - p	258 Awi V Waip	hea D: awa Si	ıstrı D, Bl	.ct .ocks	Lot I	. 6 & I	DP I.		
on Moan	destrian and ORV access only, Approach from Tora Road is up Tim's Hill Creek na Rua property. Approach from White Rock Rd is firebreaks on Manahau Station	HES SUD-LITEE		d Scer Reserv			Оро	uaw	e SD		
	rth-south orientared reserve has an east to south-east aspect. The higher,	CONTROL CCL									
catchme	n ridge runs north south, and is moderately steep, reaching 404m. Three subents drain into t \cdot Awhea River in the east. The northern half is forested	GAZETTED Not gazett RESERVED Not reserv									
	atively unmodified black beech and mixed broadleaved species. The southern smostly regenerating scrubland with broadleaved gully vegetation.	Area retained HISTORY Settlement wa							for		
SURROUND	INGS Crazed pasture to the north, east and south. An area of manuka	scenic or conservati									
scrubla modera	and, slightly larger than the reserve, lies to the west. Steep to tely steep hill country to the west; smoother, less dissected limestone	AIR PHOTO SN 5497 Pl date 16.10.		51a							
	aphy to the east. Coastline 3 km to south-east. Greywacke and crushed argillaceous material on the steeper western ridges;	nearby town 30 km M 20 km P				les	S.R				
limest	leading up to Limestone No. 3.	nearest reserve White Roc public road (km) 3	k Road,	, Tora	r Roa	d					
lidge	reading up to mineratoric no. 5.	$\frac{ses = (km)}{ALTITUDE \ m/\hat{Q}_{\mathbf{K}}} = \frac{3}{100-40}$	0								
SPM Weath	hered rock in situ.	ASPECT Easterly to south-easterly									
eau Centi	ral yellow-brown earths, related steepland soils and intergrades between	RAIN Wim/in 50									
centi	ral yellow-grey and yellow-brown earths. Maungapakeha hill soils; Whakaroro hill soils.	(approx) NAT FERTILITY Moder.	ate to	low f	erti	lity	,				
	good.		,					[~]	دو رو		
RES NOT 2#	MAIN HABITATS and FEATURES		% area	area ha	natio	ind	regen	NAT	trend-		
	1. Black beech-kanuka/ <u>Helichtusum aggregatum</u> ; some scattered podocarps at l	lower levels	60.5	32.0	V		М	Н	SL		
	(miro, rimu, kahikatea). 1b. Mixed broadleaved forest; <u>pigeonwood</u> , <u>putaputaweta</u> , rewarewa, lancewood	t, karaka. Stinging			/		Н	н	SL		
	nettle is prolific in places. lc. Gully vegetation of mixed broadleaved species (mahoe, pigeonwood, pepper	etraal with nomes	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		. /		,		SL		
	and mikau palm on steep, sheltered faces.		-		١,						
	 Marginal scrub over grass. Predominantly putaputaweta, rangiora, manuka, tauhinu, Helichrysum aggregatum and cabbage tree. NZ broom and flax area exposed ridgetop fenceline. 		18.8 1	.02.9	V	V	H	М	IL		
	 Manuka - kanuka scrub, with a ground cover of mingimingi and Helichrysum secondary growth following clearing and appears to be around 20 years of The western hillshopes flanking this higher ridge are covered with talks 	d inside the reserve.	19.5	06.9	V	~	Н	М	IL		
	scrub. 4. Grassland (exotic pasture species).		1.2	6,8			м	М	s н		
Y	, , , , , , , , , , , , , , , , , , , ,				Name of the last o						
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				a a construction of the co							
			100	548.6				Lİ			
1	Good condition; good regeneration and few exotics. Stock damage restricted Birdlife is abundant.	to marginal bush and m	uinimal	deer	and	pos	sum				
FENCING	See notes in Conclusions and Recommendations.										
PRIGRITY	High priority pending scenic reserve status.										
RATING 0					***************************************						
SCIENTIFIC	5 Valuable sized remnant of characteristic Southern Wairarapa hill coun	try black beech forest									
SCENIC	\S . Limited access but attractive externally and internally. No tracks.										
RECREATION	4 Good hunting and possuming but limited permit availability.										
		Sping page 4-5 of the state of	110	h i							
east of	TIONS and RECOMMENDATIONS The proposed reserve is one of the last rema Aorangi Range. Its black beech forest and regenerating scrubland make this r	eserve a valuable əsse	t for	future	e pro	stect	apa	,			
Wairara	Awhea River subcatchments, recreational use (hunting) and for regeneration of pa. The reserve is very attractive scenically, with good views of the coast a	nd surrounding hill co	untry	from 1	Pinna	icle	Roc	k			
witha	western boundary, and the beech forest is in good condition. The subcatchmen high point of 404m. The unmodified vegetation is black beech forest with scat	tered kanuka and podoc	arps of	n nort	th-fa	cinc	g sl	ope	s		
Broadle	her slopes. Open areas on ridges cleared by windthrow of beech trees show good waved species such as pigeonwood, lancewood and rewarewa predominate on south	facing slopes and in g	ullies	, with	n pon	iga a	and				
aggrega	walms dominant in deepest gullies. The reserve is bordered by scrub consisting turn and cabbage trees. Dense manuka/kanuka/mingimingi scrub dominates the sou	thern end of the reser	ve whi	ch is	modi	fied	by t				
fire an	d stocking. The northern subcatchment is the least modified area, with only a		along tinued		orth-	west	oa .	und	ary.		
- Procedurate Communication Co	g (23.3)	·									
	5 Cold, wet hours	IG aditions	1	983							

CONCLUSIONS AND RECOMMENDATIONS (Continued)

Elsewhere black beech and broadleaved forest is in good condition. The middle easterly-draining subcatchment is the most accessible part of the reserve, with access up Tim's Hill Creek. The true left tributary is the least modified, with good stands of black beech and scattered miro and rimu. Rewarewa, hinau, karaka and kanuka become interspersed on upper slopes. A grove of titoki is seen near Tim's Hill Creek. The southern subcatchment consists of dense regenerative scrubland; manuka and kanuka on ridges, in particular the north-west facing slopes, and broadleaved species such as mahoe, putaputaweta. Depretree and ponds in the gullies. Spaniard is found in grassy margins and clearings. putaputaweta, peppertree and ponga in the gullies. Spaniard is found in grassy margins and clearings.

The predominant vegetation of the Haurangi forest park 9 km to the west, is black beech. Other than this, the nearest remnants of black beech forest are 10 km away on private land in the headwaters of the Oterei River. The only other area in SE Wairarapa is in a State Forest south of Whareama. 548 ha is a significant size for a reserve; approximately half this area is largely unmodified forest which eventually will succeed into the southern half. Birdlife is abundant.

It appears that the scrubland on the bordering Manahau Station property is slowly being redeveloped. A new fenceline along the NW boundary recognises the need for replacement or construction of fences around the entire perimeter. The fenceline is dilapidated around the west and south and south-east boundaries, and non-existent along the E boundary with R.L. Hunter's property. Top priority must be given to the eastern boundary which borders on stocked pasture, as there is evidence of cattle within the reserve. Hunting appears to be keeping deer and pig numbers to a manageable level.

There were no noxious weeds or problem exotics noticed in the reserve. Access from the west is via Manahau tracks which is proving unsatisfactory for the owners. Proposed new pedestrian access along the boundary between Manahau and White Rock Stations in exchange for closing paper roads would solve this problem. There are picnic sites along stream banks on the eastern side, but tracks through the reserve are unnecessary at present. With new access approved, some signposting is

REFERENCES

8	SUMMARY	HABITATS				100		veg			\$U	bst	trate		10	oll - tion	/.	cess	ORGANISMS INFER	OBSER
	tall conifer forest/trees	WATER/SHORE	/_	1	/ /	1815	7	ΣT	+	7	7	7.9	b/	I			+-	T = T		LM
144	conifer? forest/tress	a = adjoins reserve	//	</td <td><u> }/</u>.</td> <td>ŝ/.</td> <td>§] :</td> <td>herbac.</td> <td></td> <td>١,</td> <td>stony</td> <td>001</td> <td>1. 1</td> <td>100</td> <td>4sigan,</td> <td>Eutrophic</td> <td>' </td> <td>' /</td> <td>higher native plants 140</td> <td></td>	<u> }/</u> .	ŝ/.	§] :	herbac.		١,	stony	001	1. 1	100	4sigan,	Eutrophic	'	' /	higher native plants 140	
5	beech forest/trees	/	6/4		*/\$	1/3	1	$ \vec{z} $	\$ /.	\$/	5	3	mud	8/	900	\$	õ.	8 3	lower plants	
	BL ³ forest/trees	sw/fw coast	7	7	7	7	΄ ີ	ΓI	7	7	"/	٦/	1	9	4	* / °	٠/٠	0/3	exotic plants	~
	scrub/shrubs <6m	sw/fw beach	+	+	-	+	┼	++		+	-	+	-	+	-	+	\perp	\perp	bush 🗸 🗸	
	tall tussocks/grassland	sw/fw estuary	+	+-	+	┿	-	\vdash	+	+	-	+	-	+	-	+	+		exotic plants scrub 🗸 🗸	
	short tussecks/grassland	sw/fw rockpool	+-	+	+	┼	╁	╁┼	+	+	+	+	-	+	-	-	+	4-4	in native grass	
	grassland/grasses	lake 120m +		+	+	-	├		+	+	+	+	+	+	-	4	4	44		
l	sedgeland/sudges	pool/tern	+	+-	+	-	-		+	+	+	+	+	\perp	_	\perp	4.	Ш	higher freshwater plants	/
	rushland/rushes/raupo	river 5m +	+-	+	+-	-	-	\vdash	+-	+	-	+	_	+	+	+	+	44	lower freshwater plants	
	herbland/herbs	stream	1.	V	-		H		+	_	+	+	\perp	+	1	\perp		\sqcup		
	"tussock" herblend	spring/seepage		-	┼	V	\vdash	~	V	~	4	+	+	+-	\perp	1	1	Ш	native mammals	
	ternland/forns	sping/seepage		╀	┼			-	+-	1		\perp	_	4_	_	4	┸	$\perp \downarrow$	native birds	
	····	55 4 8 8 8 8 8 4 5 6	┷	ــــــــــــــــــــــــــــــــــــــ	L				丄	1		L		L		\perp	Т.,	Ш	introduced birds	
	"moss" land	MAMMALS																	waterfowl s.l.	
	bracken	. 11	.1	ı				1		,						N	S	M	introduced waterfowl	
		cattle 🗸		1 -		grou	IP.				1	abi	bit						reptiles	
Ī	ezotic grassland ⁵	sheep 🗸		19	alla	by			1		5	104	et gr	оир	†				native/introduced amphibia	
	exotic herbland/weedland	horse		C	at †	†					-		-nori	-					fw native fish	
	exotic scrub/shrubs	deer group 🗸		p	assu	m			V	1	1	at-	-ship	, †		1			fw introduced fish	
	exotic forest/trees	pig 🗸	4	h	are						Π.	ou	ise .	ŧ			I		fw invertebrates	
	introduced "native" cover	† throughout cou	ntri:	- 0								,							terrestrial invertebrates	11
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	bog/swamp/pakihi	- Thoughout muc			ш,,,,	/y	pro	UG DI	pr	ese	-n:								saitwater life	
4	marsh sw/fw						01	THE	F.	AL	: 70	R.	5 //	N /	PE.	SEA	91	E		
1	mudflat sw/tw			4																
1	bluff/rocks	(access) to	5	M	adj								1	5	M	adj			1	V L M
4	bluffs/rocks in bush	signpost		-		hu	t													
	vatoriali	clear entry				loc	al r	ange/					1.						natives V	
	seve/gorge	car V						•											planting of "natives"	
	ravel habitat/scree	4wd		h		bor	rron	, pi								- 1			exotic" V	
_	iuns/sand	path				mii													troublesome plants	
	imestone	marked track				roa													stock in reserve	
	(Itrabasics	rough track		-	V		ldin,	a								- 1			nett animal damage	1
	reological site	paper road		- 1,	\checkmark	pyli		•							ı					
2	oningite: 3/18	boat			1	poli													degree used	
		no obvious 🗸				pipe		,											litter rubbish	
	reeding ground	no legal			- 1	cut										\mathcal{A}			heavy rubbish	11
	are/interesting animals							r 1–500	,							1			cesual cutting	11
r	are/interesting plants			-				-ext							1,				logging	
		(general) 1	5	u.	. 1		_	tor et		75					- [
ħ	istoric site	reserve natice	-											-					unnatural drainage – wet	11
h	istoric building	information notice		1		otne	r v	vorks				ļ							unnatural drainage - dry	
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c	amo (midden/nite	plant labels		1	- 1	_	-	lease				Ì		-],	1			topdressing risk	
	erracas (anribworks	picnic + water			1	othe	r la	ase											•	
	urial/tanu	ditto + car		1															burnt < 25 years	
		boating				unn	atur	al noi	Se.				N .	5 /	M e	dj			burnt > 25 years	
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NATIVE SPECIES

Trees and shrubs

Aristotelia serrata Beilschmiedia tawa Brachyglottis repanda Carmichaelia arborea var. Carpodetus serratus Cassinia leptophylla Coprosma grandifolia C. rhamnoides C. robusta Cordyline australis C. banksii Coriaría arborea Corynocarpus laevigatus Cyathodes juniperina Dacrydium cupressinum Elaeocarpus dentatus Griselina lucida

Climbers and lianes, etc.

Clematis sp.(C. forsteri agg.) Metrosideros p**erforata**

Grasses, rushes and like plants

Carex forsteri C. solandri Echinopogen ovatus Gahnia pauciflora

Herbs

Acaena anserinifolia aciphylla colensoi Astelia fragrans Caladenia catenata Cardamine sp. (C. debilis agg.) Craspedia sp. Dendrobium cunninghamii Dianella nigra Dichondra repens Earina mucronata Galium propinquum Gnaphalium audax

Ferns

Asplenium bulbiferum

A. bulbiferum subsp. qracillimum

A. colensoi

A. flabellifolium

a. flaccidum

ā. hookerianum

A. oblongifolium

A. polyodon

A. colensoi X A. hookerianum

Blechnum chambersií

B. discolor

B. filiforme B. fluviatile

B. sp. (Lomaria latifolia)

Native

bellbird fantail greywarbler harrier

Introduced

hlackbird Californian quail chaffinch

Hebe stricta var.atkinsonii H. sp. (or hybrid?) Hedycarya arborea Helichrysum aggregatum Hoheria populnea var. lanceolata Knightia excelsa Leptospermum ericoides L. scoparium Leucopogon (Cyathodes) fasciçúlatus Macropiper excelsum Melicytus micranthus M. ramiflorus Muehlenbeckia complexa

Muehlenbeckia australis Parsonsia sp.(P. capsularis?)

Luzula picta Microlaena avenacea M. stipoides Poa anceps

Myoporum laetum

N. montana

Mursine australis

Nestegis cunninghamii

Gnaphalium gymnocephalum G. sphaericum Helichrysum filicaule Hydrocotyle americana H. moschata Lagenifera pumila L. strangulata Libertia ixioides Microtis unifolía Oxalis exilis Pelargonium inodorum Phormium cookianum

Botruchium australe Cyathea dealbata C. medullaris Grammitis billardieri Histiopteris incisa Hymenophyllum demissum H. flabellatum H. sanguinolentum Hypolepis sp.(H. rufobarbata?) H. sp.(H. tenuifolia) Lastreopsis glabella L. novae-zelandiae

BIRDS

long-tailed cuckoo plover rifleman shining cuckoo

hedgesparrow magpie redpoll

Nothofagus solandri var. solandri Olearia paniculata O. rani Pennantia corymbosa Pittosporum eugenioides Podocarpus dacrydioides P. ferrugineus Pomaderris ericifolia Pseudopanax arboreus P. crassifolius Rhopalostylis sapida Schefflera digitata Sophora microphylla Urtica ferox Weinmannia racemosa

Ripogonum scandens Rubus cissoides

Rytidosperma racemosum R. sp. Uncinia scabra U. uncinata

Pratia angulata Pterostylis banksii Ranunculus hirtus Senecio minimus Stellaria parviflora Thelymitra longifolia Urtica incisa Vittadinia australis Wahlenbergia colensoi W. gracilis W. marginata

Leptopteris hymenophylloides Lycopodiúm volubile Paesia scaberula Pellaea rotundifolia Phymatosorus diversifolius Pneumatopteris pennigera Polystichum richardii Pteridium esculentum Pteris pendula (=P. macilenta) Pyrrosia serpens Tmespteris tannensis Trichomanes venosum

silvereye tui whitehead wood pigeon

songthrush yellowhammer