

Tora Bush (proposed S.R.)

Area: 548.6852

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The second policy of the proof to the proof to the second policy of the proof to th	Ma	rtinL	orou	ph, near the coast east of Cape Palliser, Southern Wairarapa.	L.D. No. Sections 22170 Bl	245, ock XI	258 A V Wai	whea E pawa S	Dist SD, D	rict Bloc	, L	ot (5 DI	
the mathematics alloyed in the state that an east to with the state of the complete stat	10	1 Moar	ia Ru	ı property. Approach from White Rock Rd is firebreaks on Manahau Station	RES sub-Cities	nd - p:	ropos				0	pou	ıwe	S
by potentiarly consistent after manch and manch around accordinated appearance of the control of	Th we	e nor estern	th-s rid	ge runs north south, and is moderately steep, reaching 404m. Three sub-	GAZETTED Not	gazette	ed							
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AMPRIL ST 500 FIRST SHOULD HE WASHING THE ADDRESS OF THE STATE OF THE					HISTORY Settlem	ent was	s dis	posed	of.	Res	erv	atio		
PRIORIES Temporal in consideration to manifestation and results of the storage vention risks; Throughout to the construction and provided in the storage vention risks; Throughout to the construction and provided in the storage vention risks; Throughout the construction and provided in the storage vention risks; Throughout the construction of the construction of the storage vention risks; Throughout the construction of the		rubla	ınd,	slightly larger than the reserve, lies to the west. Steep to	AIR PHOTO SN S			/Q19		:				
### Partition of the Control of the	t.	poqr.	phy	to the east. Constline 3 km to south-east.	nearby town .31	0 km Ma	artin			icle	:s \$.R.		^_=
### SECOND CONTROL OF THE PROPERTY OF THE PROP	1 1	mest	me o	the eastern boundary. The NE part of the reserve flanks the main	sea (km)	<u> </u>		d, Tor	a Ro	oad				
DATAMAN HALL STATES AND THE COLOR SERVICES TO THE STATES AND THE STATES OF THE STATES AND THE ST	SPM	Weat	ered	rock in situ.	Master			-easte	rly					
PRIMARY and sending such as the sendend such such as the sendend s	6011	Centr	al v	ellow-brown earths, related steepland soils and intergrades between	RAIN Montin 50)								
MAIN HABITATS and FEATURES 1. Elabol_dempl-habitations in plants are continued in the continued of the cont	DRAI	centi <i>NASE</i>	al ye hi.	ellow-grey and yellow-brown earths. Maungapakeha hill soits; Whakaroro		Modera	ate t	o low	fert	ili	ty			
1. Disk Booch-manuka/No.1. Stoppin Jagongalage Zame Entered podeburge at lawer levels 1. Disk Booch-manuka/No.1. Stoppin Jagongalage Zame Entered podeburge at lawer levels 1. Disk Booch-manuka/No.1. Stoppin Jagongalage Zame Entered podeburge at lawer levels 1. Disk December of the profit is in place. 1. Disk December of Miscol Booch Disk Disk Disk Disk Disk Disk Disk Disk	RES	NOT			<u> </u>	· · · · · · · · · · · · · · · · · · ·			1			regen	rend-	
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nod nature pairs on store, all thereof faces. 2. Proposed residency over cares, Proteomorally putigotiseds, Comploins, manufactures, aniquinings, trabins, Molichrouse aggregates and cabbogs tree. NE broom and flux are exemum along the proposed tabaging faces line. 3. Egging - Annata secul, with a ground cover of manufactures of flux are exemum along the residency of the western billishages floaking than higher ridge are covered with tailer normals-famules. 4. Occasional (Santic pasture species). 5. Occasional (Santic pasture species). 5. Occasional (Santic pasture species). 6. Occasional (Santic pasture species). 6. Occasional (Santic pasture species). 7. Name - 18 7. Manufacture and continuous and Recommendations. 7. Manufact			le.		tree) with nona	,						1. M		
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Toward of the content			,	exposed ridgetop fenceline.	<u>, </u>		10.6	200.0						
### FOREIVED A Cook condition; upod regeneration and lew skotics. Stock damage restricted to marginal bush and minimal deer and possum canness. Birdire is abordant. ###################################			٥.	secondary growth following clearing and appears to be around 20 years of The western hillslopes flanking this higher ridge are covered with talle	d inside the res		19.5	100.9				ii M	1	I
CONDITION Good condition; good regeneration and few exotics. Stock damage restricted to marginal bush and minimal deer and possum damage. Birdlife is abundant. FENCING See notes in Conclusions and Recommendations. High priority pending Scenic reserve status. RATING 8-10 SCIENTIFIC 5 Valuable sized remnant of characteristic Southern Wairarapa hill country black beech forest. SCENIC 6 Limited access but attractive externally and internally. No tracks. RECREATION 4 Good hunting and possuming but limited permit availability. CONCLUSIONS and RECOMMENDATIONS The proposed reserve is one of the last remaining remnants of native bush in SE Wairarapa, east of Aorangi Range. Its black beech forest and regenerating scrubland make this reserve a valuable sset for future protection of the Awhea River subcatchments, recreational use (hunting) and for regeneration of a diminishing forest cover in Southern Wairarapa. The reserve is very attractive scenically, with good views of the coast and surrounding hill country from Pinnacle Rock and the Western boundary, and the beech forest is in good condition. The subcatchments of the Awhea River drain off a steep ridge with a high point of 404m. The unmodified vegetation is black beech forest with scattered kanuka and podecarps on north-facing slopes and lover slopes. Open areas on ridges cleared by windthrow of beech trees show good regeneration of rewarewa and black beech. Broadleaved species such as pigeonwood, lancewood and rewarewa predominate on south facing slopes and in gullies, with ponga and nikau palms dominant in deepost gullies. The reserve is bordered by scrub consisting of putaputaweta, make, cottonwood, Relichrysum asqregatum and cabbage trees. Dense manuka/knnuka/mingimingi scrub dominates the southern end of the reserve which is modified by fire and stocking. The northern subcatchment is the least modified area, with only a narrow zone of scrub along the north-west boundary (Continued)	1/		4.	Grassland (exotic pasture species).			1.2	6.8			~	мм	s	-
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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, 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

SUMMARY	HABITATS	7	Ί	\int	Overt Stable	$\int_{-\infty}^{\infty}$	veg	\int	S	ubst	rate			all - ian	acce.	ss		ANISMS	INF	E R	01	SEF	RVED
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NATIVE SPECIES

Trees and shrubs

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

Climbers and lianes, etc.

Clematis sp.(C. forsteri agg.) Metrosíderos perforata

Grasses, rushes and like plants

Carex forsteri C. solandri Echinopogon ovatus Gahnia pavciflora

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 propinguum Gnaphalium audax

Ferns

Asplenium bulbiferum

A. bulbiferum subsp. gracillimum

A. colensoi

A. flabellifolium

A. flaccidum

ā. hookerianum A. oblongifolium

A. polyodon

A. colensoi X A. hookerianum

Blechnum chambersii

B. discolor

B. filiforme

B. fluviatile

B. sp. (Lomaria latifolia)

Native

bellbird fantail greywarbler harrier

Introduced

blackbird Califormian 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

Myrsine australis

Nestegis cunninghamii

Gnaphalium gymnocephalum G. sphaericum Helichrysum filicaule Hydrocotyle americana H. moschata Lagenifera pumila L. strangulata Libertia ixioides Microtis unifolia Ovalis 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 erícifolia 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 vellowhammer