## RAPID ASSESSMENT FORM FOR ECOLOGICAL CONDITION AND TREND Sheet 1 of 4

Addition of the control of the contr							
Location (name, details): BALLS CLEARING SCE	NIC DESERV	/E	Grid refere	nce: V20/122090			
BALLS CLEARING SCE	VIC KESEKI	^	Area (ha): 135				
			Ecological	District: Maungaharuru			
Protective status/designation			Managing agency: DOC				
Observer(s): Geoff Walls a	nd Finn Sche	ele	Date: 12/12/98				
Route taken: Loop track Photos taken: ☐ Yes ☑ No			Time spent: 1 hour				
Significant fauna site: ☑ Ye	s 🗆 No		Time spene	· I Hour			
Significant flora site:   Yes							
Landform: Gentle natural ba	asin						
		*					
Altitude, Aspect: 600-700m	5 S <del>*</del>						
Soil/rock type: Deep sedime	ents and pumic	ce overlying lim	estone and grey	wacke gravels			
Drainage: Incised streams							
Erosion: Very little							
Other notes:							
ECOSYSTEM/HABITAT	p.:	C1	0/	Notes			
Beech forest	Primary	Secondary	% area	Notes			
Broadleaved forest			20				
Podocarp forest			70				
		l	1.0				
Mixed native forest							
		1116A	, ,				
Mixed native forest			, 0				
Mixed native forest Kanuka forest			,,				
Mixed native forest Kanuka forest Exotic forest/plantation			,,				
Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland							
Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland Tree fernland							
Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland Tree fernland Bracken fernland							
Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland Tree fernland Bracken fernland Scrub, Shrubland							
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Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland Tree fernland Bracken fernland Scrub, Shrubland Flaxland Tussock grassland							
Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland Tree femland Bracken femland Scrub, Shrubland Flaxland Tussock grassland Pasture, Farmland							
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Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland Tree fernland Bracken fernland Scrub, Shrubland Flaxland Tussock grassland Pasture, Farmland Herbfield Alpine, Subalpine Cliff, Bluff, Gorge Swamp, Marsh, Bog							
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Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland Tree fernland Bracken fernland Scrub, Shrubland Flaxland Tussock grassland Pasture, Farmland Herbfield Alpine, Subalpine Cliff, Bluff, Gorge Swamp, Marsh, Bog Lake, Pond, Lagoon River, Stream, Riverbed							

## RAPID ASSESSMENT FORM FOR ECOLOGICAL CONDITION AND TREND

Sheet 2 of 4

VEGETATION							
Canopy cover (%): 0-5	5 🗆 5-2	25 🗆 2	25-50	□ 50-75	V	75-100	
Canopy composition (unde	erline dor	ninant s	pecies):				
Kahikatea, Matai, Rimu, M	liro, Five	finger, l	Mahoe, l	Red bee	ch		
Vegetation condition (heal	th): G	bood	Fair	Poo	r Do	on't know	Comments
Canopy							Damaged by wind
Subcanopy		$\square$					
Understorey/Undergrowth							
Ground cover							
Notes:							
Vegetation trend:	Impro	ving	Stable	Deteri	The last of the la	g Don't k	
Canopy					$   \sqrt{} $		Trees falling thru wind/age
Subcanopy		<b>Z</b>					
Understorey/Undergrowth		<b>☑</b>					
Ground cover	E	<b></b> ✓					
Notes:							
Excellent possum, ungulat							
	None A	\ little	Modera		<u>ich</u>		Main species/Comments
Canopy	П						
Subcanopy				5			
Understorey/Undergrowth					Z		
Ground cover					Z	Many ferr	ns and seedlings
Epicormic shoots				5	Z		
Notes:							
Broadleaved trees apparen					_		
Broadleaved trees apparen  Special plants (rare, threa	tened, lo	cal, dis	tributio	n limits	/anon	nalies, etc.	
Special plants (rare, threa Species No. (es	tened, lo	cal, dis		n limits	s/anon	nalies, etc.	Main threats/Comments
Special plants (rare, threa Species No. (es Tupeia antarctica 30	tened, lo	cal, dis Condition Fair	tributio	n limits e) Tren Im	/anon	nalies, etc. above) ng	Main threats/Comments Possums (now in low numbers)
Special plants (rare, threa Species No. (es	tened, lo	cal, dis	tributio	n limits	s/anon	nalies, etc. above) ng	Main threats/Comments
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Broadleaved trees apparent  Special plants (rare, threat Species No. (est Tupeia antarctica 30 Dactylanthus taylorii?  Notes:  Threats, Impacts and Man  Deer Goat Pig Possum Rabbit, Hare Sheep Cattle Rat, Mouse Vine weeds Shrub, Tree weeds Herb/Grass weeds Human visitor impacts Survey/Monitoring	nagemen Minor	t urgen Major	tributio 1 (as abov	In limits  E) Tree  Im ?  Irgent !	Not ur	gent	Main threats/Comments Possums (now in low numbers) Possums (now in low numbers)  Comments  Need to keep on top of  Need fence maintenance Need fence maintenance
Broadleaved trees apparent Special plants (rare, threat Species No. (est Tupeia antarctica 30 Dactylanthus taylorii?  Notes: Threats, Impacts and Mart  Deer Goat Pig Possum Rabbit, Hare Sheep Cattle Rat, Mouse Vine weeds Shrub, Tree weeds Herb/Grass weeds Human visitor impacts	nagemen Minor	t urgen Major	tributio 1 (as abov	In limits  ie) Tree  Im ?	Not ur	gent	Main threats/Comments Possums (now in low numbers) Possums (now in low numbers)  Comments  Need to keep on top of  Need fence maintenance Need fence maintenance Keep bait stations running

## RAPID ASSESSMENT FORM FOR ECOLOGICAL CONDITION AND TREND

Shoot 3 of 1

FAUNA				Sheet 3 01 4
Overall fauna:				
Native birds Exotic birds Bats	Rel. abundance <sup>1</sup> Many Many Moderate	Condition <sup>2</sup> Good Good ?	Trend <sup>3</sup> Stable Stable ?	Main threats/Comments Predators, competitors
Native reptiles Native frogs Exotic frogs Native fish	?	?	?	
Exotic fish Native land inverts Exotic land inverts	Mod	?	?	Rodents
Native aquatic inverts Exotic aquatic inverts Other (specify)	?	?	?	
Notes:				
Special fauna (rare, th			THE RESERVE THE PERSON NAMED IN COLUMN 2 I	
	o. (estimate) Cond	ition (as above)	Trend (as	s above) Main threats/Comments
0	00+ ?		?	
Kereru 2			Stable	
	0+ Goo		Stable	
NI Robin 2	Poo	Г	?	Rodents, mustelids
Notes:				
Management needs:				
	Minor M	ajor <u>Urg</u>	gent Not u	rgent Comments
Deer control				☑
Goat control				
Pig control				
Possum control		$\square$		☐ Major competitors/predators
Rabbit, Hare control				
Mustelid, Cat control		$\square$		✓ Needs addressing
Rat, Mouse control				☑ Bait stations may be controlling
Weed control	$\square$			
Fencing			$\square$	☐ Needs checking/maintenance
Human visitor manager				
Survey				☑ Bats, reptiles, stream life
Monitoring			П	☐ Bats, Feptiles, stream fre
Other (specify)				Dats, Dird counts
odici (specity)	Ш	Ц	Ц	П
Notes:				

<sup>&</sup>lt;sup>1</sup> None; Few; Moderate; Many <sup>2</sup> Good (healthy, thriving); Fair (okay); Poor (depleted, struggling); Don't know <sup>3</sup> Improving; Stable; Declining; Don't know (?)

## SPECIFIC CONDITION AND TREND INDICATORS FOR SITE/AREA

[Examples: highly palatable plants, good food plants for birds, rare species, seedlings, epicormic shoots, possum sign, tracking, bark stripping, sensitive fauna, rampant weeds, visitor numbers, water quality, erosion, vegetation structure, bird population....]

Indicator	Condition <sup>1</sup>	Trend <sup>2</sup>	Monitoring technique	Comments
Tree fuchsia	Good	Improving	Observation	
Fivefinger	Good	Improving	Observation	
Seedlings (pate, maho	e, kanono)			
	Good	Improving	Observation	
Hen-&-chickens fern	Good	Improving	Observation	
Tupeia antarctica	Fair	Improving	Observation	
Big podocarps	Fair	Deteriorating Observation		Could use veg. plots
Tui, Bellbird & Kerer	u populations			
	Good	Stable	Bird counts	Need to continue counts
NI Robin	Poor	?	Bird counts, tracking	Need for specific focus
Long-tailed bat	?	?	Tracking/Detectors	Every 5 years or so

Control	>10 yrs ago	3-10 yrs ago	Last 3 years	Current	<b>Future Needs</b>	
Programme	Effectiveness (o * ** ***)	Scale Status Scale up quo down				
Ungulate	**	***	***	***	✓	
Pig						
Possum	*	***	***	***	<b>✓</b>	
Mustelid/Cat	0	0	0	0	<b>*</b>	
Rodent	0	0	0	0	<b>✓</b>	
Weed	***	***	***	***	<b>√</b>	
Fencing	***	***	***	***	<b>√</b>	
Visitor impact	***	***	***	***	✓	
Other (specify)						

Notes:

Management	Priority			Urgency			When/Frequency <sup>3</sup>
Need	Low	Mod	High	Low	Mod	High	
Baseline survey		П	Ø			Ø	Asap
Monitoring		☑		0	☑		Seasonally, Annually, 5y
Animal pest control	10		Ø		☑		Ongoing
Weed control	Ø	П	О	Ø	D		
Visitor management	Ø	П		Ø	0	D	As required
Other (specify)	$1 \overline{n}$	П	П		D		

Good (healthy, thriving); Fair (okay); Poor (depleted, struggling); Don't know (?)
 Improving; Stable; Declining/Deteriorating; Don't know (?)
 Monthly, Seasonally, Annually, 2-yearly, 5-yearly, 10-yearly, Ongoing, etc.