Location (name, details):			Grid refere	nce: W20/600159			
EARTHQUAKE SLIP C	UNSERVATION	NAREA	Area (ha):	94			
			Ecological	District: Waihua			
Protective status/designation: Conservation/Stewardship Area Managing agency: DOC							
Observer(s): Geoff Walls	41		Date: 21/1				
binoculars	own through fore	st remnant to	o sea; in end ex	amined from clifftops with			
Photos taken: 🗹 Yes 🗆 No	0		Time spent	· 3 hours			
Significant fauna site: 🗹 🖞	and the second se		Thie spent	. 5 nours			
Significant flora site: 2 Yes							
Significant nor a site. 🗆 i e	5 EI 140						
Landform: Towering coas	tal cliffs below w	hich are area	s of gentle land	formed from 1931 Napier			
earthquake slump debris	an onno, oolow w	men are area	or Sourie rand	ionnou nom 1991 Napier			
Altitude, Aspect: 0-390m	asl; E aspect						
	, —						
Soil/rock type: Calcareous	s sandstone, siltsto	ne, mudstone	, limestone				
	,						
Drainage: Several small st	reams; many seep	ages; one sma	all boggy wetlan	d			
	11	vely occurrin	g in many place	S			
Erosion: Sheet, slump and	guily erosion acti	very occurring	g j prine p				
· · · ·	guily erosion acti	very occurring	5 , F				
Other notes:			5 ,				
Other notes:							
Other notes: ECOSYSTEM/HABITAT	Primary	Secondary	% area	Notes			
Other notes: ECOSYSTEM/HABITAT Beech forest	Primary	Secondary	% area	Notes			
Other notes: ECOSYSTEM/HABITAT Beech forest Broadleaved forest	Primary	Secondary		Notes			
Erosion: Sheet, slump and Other notes: ECOSYSTEM/HABITAT Beech forest Broadleaved forest Podocarp forest	Primary	Secondary	% area	Notes			
Other notes: ECOSYSTEM/HABITAT Beech forest Broadleaved forest Podocarp forest Mixed native forest	Primary	Secondary	% area	Notes			
Other notes: ECOSYSTEM/HABITAT Beech forest Broadleaved forest Podocarp forest Mixed native forest Kanuka forest	Primary	Secondary	% area	Notes			
Other notes: ECOSYSTEM/HABITAT Beech forest Broadleaved forest Podocarp forest Mixed native forest Kanuka forest Exotic forest/plantation	Primary	Secondary	% area	Notes			
Other notes: ECOSYSTEM/HABITAT Beech forest Broadleaved forest Podocarp forest Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland	Primary	Secondary	% area	Notes			
Other notes: ECOSYSTEM/HABITAT Beech forest Broadleaved forest Podocarp forest Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland Tree fernland	Primary	Secondary	% area	Notes			
Other notes: ECOSYSTEM/HABITAT Beech forest Broadleaved forest Podocarp forest Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland Tree fernland Bracken fernland	Primary	Secondary	% area	Notes			
Other notes: ECOSYSTEM/HABITAT Beech forest Broadleaved forest Podocarp forest Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland Tree fernland Bracken fernland Scrub, Shrubland	Primary	Secondary	% area	Notes			
Other notes: ECOSYSTEM/HABITAT Beech forest Broadleaved forest Podocarp forest Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland Tree fernland Bracken fernland Scrub, Shrubland	Primary	Secondary	% area <1	Notes			
Other notes: ECOSYSTEM/HABITAT Beech forest Broadleaved forest Podocarp forest Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland Tree fernland Bracken fernland Scrub, Shrubland Flaxland	Primary	Secondary	% area <1	Notes			
Other notes: ECOSYSTEM/HABITAT Beech forest Broadleaved forest Podocarp forest Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland Tree fernland Bracken fernland Scrub, Shrubland Flaxland Tussock grassland	Primary	Secondary	% area <1	Notes			
Other notes: ECOSYSTEM/HABITAT Beech forest Broadleaved forest Podocarp forest Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland Tree fernland Bracken fernland Scrub, Shrubland Flaxland Tussock grassland Pasture, Farmland	Primary	Secondary	% area <1	Notes			
Other notes: ECOSYSTEM/HABITAT Beech forest Broadleaved forest Podocarp forest Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland Tree fernland Bracken fernland Scrub, Shrubland Flaxland Tussock grassland Pasture, Farmland Herbfield	Primary	Secondary	% area <1	Notes			
Other notes: ECOSYSTEM/HABITAT Beech forest Broadleaved forest Podocarp forest Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland Tree fernland Bracken fernland Scrub, Shrubland Flaxland Tussock grassland Pasture, Farmland Herbfield Alpine, Subalpine	Primary	Secondary	% area <1	Notes			
Other notes: ECOSYSTEM/HABITAT Beech forest Broadleaved forest Podocarp forest Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland Tree fernland Bracken fernland Scrub, Shrubland Flaxland Tussock grassland Pasture, Farmland Herbfield Alpine, Subalpine <u>Cliff, Bluff</u> , Gorge	Primary	Secondary	% area <1	Notes			
Other notes: ECOSYSTEM/HABITAT Beech forest Broadleaved forest Podocarp forest Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland Tree fernland Bracken fernland Scrub, Shrubland Flaxland Tussock grassland Pasture, Farmland Herbfield Alpine, Subalpine <u>Cliff, Bluff</u> , Gorge Swamp, Marsh, Bog	Primary	Secondary	% area <1	Notes			
Other notes: ECOSYSTEM/HABITAT Beech forest Broadleaved forest Podocarp forest Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland	Primary	Secondary	% area <1	Notes			
Other notes: ECOSYSTEM/HABITAT Beech forest Broadleaved forest Podocarp forest Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland Tree fernland Bracken fernland Scrub, Shrubland Flaxland Tussock grassland Pasture, Farmland Herbfield Alpine, Subalpine <u>Cliff, Bluff</u> , Gorge Swamp, Marsh, Bog Lake, Pond, Lagoon River, <u>Stream</u> , Riverbed	Primary	Secondary	% area <1	Notes			
Other notes: ECOSYSTEM/HABITAT Beech forest Broadleaved forest Podocarp forest Mixed native forest Kanuka forest Exotic forest/plantation Treeland, Woodland Tree fernland Bracken fernland Scrub, Shrubland Flaxland Tussock grassland Pasture, Farmland Herbfield Alpine, Subalpine <u>Cliff, Bluff</u> , Gorge Swamp, Marsh, Bog Lake, Pond, Lagoon	Primary	Secondary	% area <1	Notes			

VEGETATION				New Jone Store			Sheet 2 of 4
And the second se	6 D.6		25.50				
Canopy cover (%): 0-				☑ 50-75	□ 75-1	00	
Canopy composition (und		minant	species):				
Manuka, Tauhinu, Rank gr	ass						
Vegetation condition (hea	lth). (	bood	Fair	Poor	Don't	len ovr	Commente
Canopy			ran ☑				Comments Monocultural!
Subcanopy							Monocultural!
Understorey/Undergrowth							
Ground cover		П					
Notes:				l♥]			
Trotes.							
Vegetation trend:	Impre	oving	Stable	Deterio	rating T	Don't kno	w Comments
Canopy		7 7					Manuka and Tauhinu increasing
Subcanopy		]					but little sign of other plants
Understorey/Undergrowth		7		E			out intre sign of other plants
Ground cover			N	5			
Notes:				L	1		
Too many goats and poss	ums for d	iverse v	egetation				
Regeneration:		A little	Modera		ch		Main species/Comments
Canopy					011		Manuka, Tauhinu
Subcanopy		Π					Manuka, Taumiu
Understorey/Undergrowth							
Ground cover		Ø					
Epicormic shoots	I						
Notes:		- L.J					
10005.							
Special plants (rare, threa	atened. le	ocal, dis	tributio	n limits/	anomalie	es. etc.):	
					d (as above	the second s	ain threats/Comments
Notes:							
Threats, Impacts and Ma							
* 1922	Minor	Major	U	rgent N	ot urgent	2	Comments
Deer							
Goat		$\square$		$\square$		Still too	many to allow diverse regen.
Pig							
Possum		$\square$		$\square$		Α	big problem at forest remnant
Rabbit, Hare	$\square$				$\square$		
Sheep	$\checkmark$				$\square$	G	etting in
Cattle							
Rat, Mouse	$\square$				$\square$		
Vine weeds							
Shrub, Tree weeds							
Herb/Grass weeds	$\checkmark$				$\square$	Р	ampas
Human visitor impacts	$\checkmark$				$\square$	F	lire!
Survey/Monitoring	$\checkmark$	í 🗆		$\square$		V	egetation plot
Other (specify)							
Q4.945 (20.253)							
Notes:							

Overall fauna: F					
F		10		540	
	Rel. abundar	nce <sup>1</sup> Co	ndition <sup>2</sup> Tre	and <sup>3</sup>	Main threats/Comments
Native birds	Few	Po	oor ?		Predators, habitat lack
Exotic birds	Mod	F	air S	table	
Bats					
Native reptiles	?	1		?	Need survey: could be stronghold
Native frogs					for skinks and geckos
Exotic frogs					
Native fish					
Exotic fish					
Native land inverts	?	5		?	
Exotic land inverts					
Native aquatic inverts					
Exotic aquatic inverts					
Other (specify)					
Notes:					
1000.					
Notes:					
N					
Management needs:	Minor	Maion	Lincont	Not urgant	Comments
		<u>Major</u>	_	Not urgent	Comments
Deer control				Not urgent	Comments
Deer control Goat control				Not urgent	Comments
Deer control Goat control Pig control				Not urgent	Comments
Deer control Goat control Pig control Possum control			0 0 0	Not urgent	Comments
Deer control Goat control Pig control Possum control Rabbit, Hare control					
Deer control Goat control Pig control Possum control Rabbit, Hare control Mustelid, Cat control			0 0 0		Needs addressing
Deer control Goat control Pig control Possum control Rabbit, Hare control Mustelid, Cat control Rat, Mouse control		2 0 0 0 0			
Deer control Goat control Pig control Possum control Rabbit, Hare control Mustelid, Cat control Rat, Mouse control Weed control		0 0 0 0 0			Needs addressing Needs addressing
Deer control Goat control Pig control Possum control Rabbit, Hare control Mustelid, Cat control Rat, Mouse control Weed control Fencing	۲ ۲ ۲ ۲ ۲				Needs addressing
Deer control Goat control Pig control Possum control Rabbit, Hare control Mustelid, Cat control Rat, Mouse control Weed control Fencing Human visitor managem					Needs addressing Needs addressing Needs checking/maintenance
Deer control Goat control Pig control Possum control Rabbit, Hare control Mustelid, Cat control Rat, Mouse control Weed control Fencing				<ul> <li>□</li> <li>□</li> <li>□</li> <li>□</li> <li>0</li> <li>0</li></ul>	Needs addressing Needs addressing
Deer control Goat control Pig control Possum control Rabbit, Hare control Mustelid, Cat control Rat, Mouse control Weed control Fencing Human visitor managem					Needs addressing Needs addressing Needs checking/maintenance
Deer control Goat control Pig control Possum control Rabbit, Hare control Mustelid, Cat control Rat, Mouse control Weed control Fencing Human visitor managem Survey				<ul> <li>□</li> <li>□</li> <li>□</li> <li>□</li> <li>0</li> <li>0</li></ul>	Needs addressing Needs addressing Needs checking/maintenance

 <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 1

Indicator Co	ondition <sup>1</sup>	Trend <sup>2</sup> Mo	onitoring technique	Comments
Karaka, Titoki canopy	Poor	Deteriorating	Observation	Possum browse, windthrow
Karaka, Titoki seedlings	Poor	Improving	Observation	Goat and possum browse tho
Karaka epicormic shoots	Poor	Improving	Observation	Goat and possum browse tho
Manuka & Tauhinu in gra	iss Fair	Improving	Observation	Goat numbers down
Karamu (Coprosma robus	sta) Poor	Stable	Observation )	When see an increase in these,
Koromiko (Hebe stricta)	Poor	Stable	Observation)	especially seedlings, will know
Tutu (Coriaria arborea)	Poor	Stable	Observation)	management is effective
Cabbage tree	Poor	Stable	Observation)	
Ngaio	Poor	Stable	Observation)	
Possum & Goat sign	High	Stable	Observation	

Control			Last 3 years	Current	Future Needs	
<b>Programme</b>	Effectiveness (o * ** ***)	Scale Status Scale				
Ungulate	0	*	**	**	1	
Pig						
Possum	0	0	0	0	1	
Mustelid/Cat	0	0	0	0	1	
Rodent	0	0	0	0	1	
Weed	0	0	0	0	1	
Fencing	0 *	**	**	**	1	
Visitor impact Other (specify)	*	*	*	*	~	

Notes:

Management Need	Priority Low Mod High			Low	Urgency Mod	When/Frequency	
Baseline survey	D	Ø			Ø		Next 3 years
Monitoring			Ø		Ø		Seasonally, Annually
Animal pest control		П	Ø	n	П	Ø	Ongoing
Weed control	Ø	П	Π	Ø	П	n	
Visitor management		П	Π		П	П	As required
Other (specify)		П	п	n	П	П	

<sup>&</sup>lt;sup>1</sup> Good (healthy, thriving); Fair (okay); Poor (depleted, struggling); Don't know (?) <sup>2</sup> Improving; Stable; Declining/Deteriorating; Don't know (?)

<sup>&</sup>lt;sup>3</sup> Monthly, Seasonally, Annually, 2-yearly, 5-yearly, 10-yearly, Ongoing, etc.