

Crown Pastoral Land Tenure Review

Lease name : BEN LEDI

Lease number : PO 199

Conservation Resources Report - Part 2

As part of the process of Tenure Review, advice on significant inherent values within the pastoral lease is provided by Department of Conservation officials in the form of a Conservation Resources Report. This report is the result of outdoor survey and inspection. It is a key piece of information for the development of a preliminary consultation document.

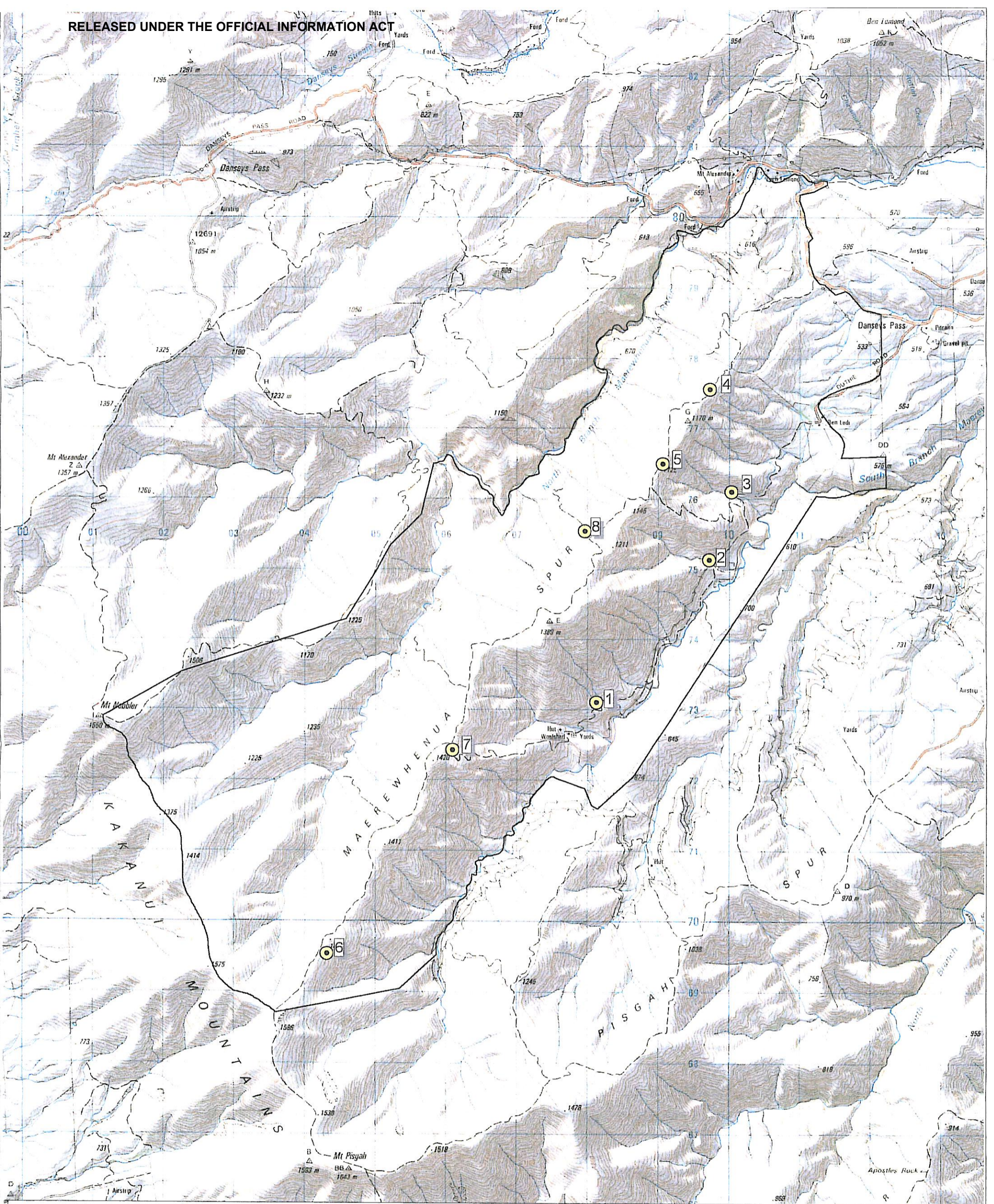
Note: Plans which form part of the Conservation Resources Report are published separately.

These documents are all released under the Official information Act 1982.

June

06

A1 Invertebrate Collection Sites



Ben Ledi Pastoral Lease

⊙ Ben Ledi Invertebrate Collection Sites

Scale 1:50,000

1 0 1 2 Kilometers

INVERTEBRATE COLLECTION SITES

A2 List of invertebrates found at inspection

A2 LIST OF INVERTEBRATES FOUND AT INSPECTION:

: Species List

Order	Family	Genus species author	Site	Comment
INSECTS				
Coleoptera	Byrrhidae	<i>Epichorius</i> sp. 1	1,5	
		<i>Epichorius</i> sp. 2	5	
	Carabidae	" <i>Anchonemus</i> " (<i>Agonum</i>) <i>otagoensis</i> Bates	1,2	Throughout southern South Island
		<i>Holcaspis angustula</i> Chaudoir	5	Canterbury to Moeraki distribution (Butcher 1984)
		<i>Mecodema sculpturatum</i> (group) Blanchard	1,4, 5,6,	South Island distribution
		<i>Mecodema</i> sp. nr. <i>laeviceps</i> Broun	4	Two specimens, one collected in a pitfall trap and one elsewhere on the ridge by Tim Whittaker (DOC, Alexandra)
		<i>Migadopine</i> sp. 8	7	Also on Hawkdun Ra.
		<i>Oregus aereus</i> White	5	Common in Otago
		<i>Scopodes versicolor</i> Bates	7	On bog vegetation
	Cerambycidae	cerambycid sp. 1	2	
		cerambycid sp. 2	2	
		<i>Somatidia</i> sp.	2	
	Chrysomelidae	<i>Allocharis limbata</i> Broun	5	Widespread but not common; Indicative of diverse sub-alpine environment
		<i>Chaetocnema</i> sp. cf. <i>littoralis</i> (Broun)	5	Common in CO tussock grasslands
	Coccinellidae	<i>Adoxellus</i> sp. cf. <i>prolongatus</i> Broun	6	
		coccinellid sp. 1	5,6	
		coccinellid sp. 2	6	
		<i>Scymus</i> ' sp.	2,5	Possibly 2 species
	Colydiidae	colydiid sp. 1	2	
		colydiid sp. 2	8	
	Corticariidae	<i>Melanopthalma gibbosa</i> (Herbst)	2	Widespread, common
	Corylophidae	<i>Holopsis</i> sp.	5,6	
	Cryptophagidae	cryptophagid sp. 1	5	
		cryptophagid sp. 2	5	
	Curculionidae	? <i>Pactylotypus</i> sp.	2	
		? <i>Tanysona angustulum</i> Broun	2	Associated with <i>Aciphylla</i> , widespread
		? <i>Trinodicalles</i> sp.	6	
		<i>Anagotus lewisi</i> (group) (Broun)	5	Found in Otago tussock grasslands; larvae feed in tiller bases of tussock; never common; known from Danseys Pass
		<i>Baeosomus</i> sp.	6	Common moss weevil

Order	Family	Genus species author	Site	Comment	
Coleoptera	Curculionidae	cryptorhynchine sp.	6		
		<i>Eugnomus dispar</i> (Broun)	5	on <i>Aciphylla aurea</i>	
		<i>Eugnomus durvillei</i> Schonherr	2,5	on <i>Aciphylla aurea</i>	
		<i>Gromilus impressus</i> (Broun)	5	Otago tussock grasslands	
		<i>Irenimus</i> sp. cf. <i>aemulator</i> (Broun)	8	Female specimen so species cannot be confirmed	
		<i>Liparogetus</i> sp.	6	Specimen found dead, similar to a widespread alpine species also known from the Hawkdun Ra.	
		<i>Listronotus bonariensis</i> (Kuschel)	5	exotic pasture pest Argentine stem weevil	
		<i>Nicaeana cervina</i> Broun	7	On bog vegetation	
		<i>Peristoreus veronicae</i> (Broun)	7	Swept from <i>Cassinia</i> near wetland below ridge; widespread species feeds on <i>Hebe</i>	
		Elateridae	<i>Elatichrosis</i> ' sp. cf. <i>castanea</i> (Broun)	7	Common tussock grassland species
		Eirrhinidae	<i>Baeosomus rugosus</i> (Broun)	5	
			<i>Baeosomus</i> sp.	5	
			<i>Baeosomus</i> sp. cf. <i>crassipes</i> (Broun)	5	
		Languriidae	languriid sp.	5	
		Lucanidae	<i>Ceratognathus helotoides</i> Thompson	2	Reared from pupae found in dead wood; common throughout NZ
<i>Mesorchesia</i> sp.	5				
Melandryidae	<i>Acantharthrus</i> sp. cf. <i>planifrons</i> (Broun)	5	Widespread, common and abundant on flowering plants		
Nitidulidae	<i>Epurea antarctica</i> White	5	Widespread		
Pselaphidae	<i>Pselaphaulax</i> sp.	5			
	<i>Eupines</i> sp. 1	5			
	<i>Eupines</i> sp. 2	5			
	pselaphid sp. 1	5			
	pselaphid sp. 2	5			
	pyrochroid sp.	5			
Pyrochroidae	<i>Odontria</i> sp.	6	Elytra only, not <i>O. striata</i>		
Scarabaeidae	<i>Odontria striata</i> White	2	Remains only, male genitalia present		
	<i>Pyronota festiva</i> (Fabricius)	1,2	Common Manuka beetle		
Scirtidae	scirtid sp.	2			
Staphylinidae	<i>Protopristus</i> sp.	6			
	Aleocharine sp. 1	P2			
	Aleocharine sp. 2	5			
	Aleocharine sp. 3	P2			
	<i>Omalium</i> sp. cf. <i>planimarginatum</i> Broun	5			

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Coleoptera	Tenebrionidae	<i>Artystona obscura</i> Sharp	5	Widespread SI species, again possibly a species complex (Watt 1992)
		<i>Zeadelium</i> sp. cf. <i>nigritulum</i> (Broun)	1,2, 5	Widespread in southern SI; possibly a species complex (Watt 1992)
Dermaptera	Trogossitidae	trogossitid sp.	5,6	
	Forficulidae	<i>Forficula auricularia</i> Linnaeus	2	Common introduced earwig
Diptera	Agromyzidae	<i>Cerodontha denticornis</i> (Panzer)	5	Characteristic of introduced grassland (R. Macfarlane pers. comm.)
	Asilidae	<i>Saropogon</i> sp.	6	
	Chloropidae	<i>Gaurax novaezealandica</i> (Malloch)	5,6	
		<i>Tricimba</i> sp.	6	Wingless species
	Dolichopodidae	? <i>Mycropygus</i>	4	Shrubland/forest species (R. Macfarlane pers. comm.)
	Empidae	<i>Heterophlebus</i> n. sp.	6	
	Ephydriidae	<i>Hydrellia tritici</i> Coquillett	4	Characteristic of introduced grassland (R. Macfarlane pers. comm.)
		<i>Psilopa metallica</i> (Hutton)	5	Common throughout NZ
	Helomyzidae	? <i>Scatella</i> sp.	5,6	
		<i>Allophylopsis</i> sp.	5,6	
	Muscidae	<i>Limnohelina</i> sp.	5	Found in wet areas (R. Macfarlane pers. comm.)
		<i>Spilogona</i> sp. 1	2	Possibly undescribed (R. Macfarlane pers. comm.)
	Mycetophilidae	<i>Spilogona</i> sp. 2	4	
		<i>Mycetophila</i> sp.1	5,6	
		<i>Mycetophila</i> sp.2	8	
	Phoridae	<i>Megaselia</i> sp.	5	
		2-3 spp.	4	
Sciaridae	sciarid sp.	4		
Sphaeroceridae	<i>Leptocera</i> ' sp.	6		
	? <i>Pthitia</i> sp.	8		
	sphaerocerid sp. 1	4		
	sphaerocerid sp. 2	4		
Syrphidae	Syrphinae sp.	1		
	<i>Melangyna novae-zelandiae</i>	2		
Stratiomyidae	<i>Odontomyia</i> sp.	5		
Tachinidae	<i>Occissorini</i> sp.	8		
Tipulidae	<i>Leptotarsus</i> sp. nr. <i>mesocerus</i>	1,2	Forest/shrubland species, female brachypterous (P.M. Johns, pers. comm.)	

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Diptera	Tipulidae	<i>Gynoplistia</i> sp.	1	
		<i>Erioptera (=Trimicra)</i> sp.	1	
Hemiptera	Aphididae	aphid sp. 1	2	
	Cercopidae	cercopid sp. 1	7	
	Cicadellidae	cicadellid sp. 1	4	
		cicadellid sp. 3	6	
		cicadellid sp. 4	6	
		cicadellid sp. 5	6	
		Cicadidae	? <i>Kikihia</i> sp.	1,5
		<i>Kikihia angusta</i> (Walker)	5,6	
	Fulgoroidea	fulgoroidid sp. 1	6	
	Lygaeidae	<i>Nysius huttoni</i> White	6	
		sp. 1	1	
sp. 2		1		
	sp. 3	4		
Margarodidae	<i>Coelostomidia</i> sp.	1	adult female 13mm long, bright red	
Hymenoptera	Psyllidae	psyllid sp. 1	6	
	Chalcidae	chalcid sp. 1	6	
			chalcid sp. 2	6
	Formicidae	formicid sp. 1	1	
		formicid sp. 2	2	
		formicid sp. 3	4,8	
	Ichneumonoidea	ichneumonoid sp. 1	1	
		ichneumonoid sp. 2	1	
		ichneumonoid sp. 3	6	
		ichneumonoid sp. 4	6	
		ichneumonoid sp. 5	8	
		ichneumonoid sp. 6	8	
	other	several spp.	2,4,6,8	
	Pompilidae	pompilid sp. 1	7	
pompilid sp. 2		8		
Lepidoptera	Crambidae	<i>Orocrambus paraxenus</i> Meyrick	7	Widespread but not common; alpine (B. Patrick pers. comm.)
		<i>Orocrambus ramosellus</i> Doubleday	1	Common pasture/grassland sp. (B. Patrick pers. comm.)
		<i>Orocrambus vittelus</i> Doubleday	5	Very common pasture/grassland species (B. Patrick pers. comm.)
	Gelechiidae	<i>Kiwaia ?cheradias</i> Meyrick	7	Widespread; coastal to alpine; in cushionfield; ♀ brachypterous (B. Patrick pers. comm.)

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Lepidoptera a	Geometridae	<i>Aponotoreas anthracias</i> Meyrick	6	Widespread alpine; diurnal; larvae on prostrate <i>Dracophyllum</i> (B. Patrick pers. comm.)
		<i>Aponotoreas insignis</i> Butler	5,6	widespread in the eastern SI; ♀ weak flier; indicative of high quality snow tussock; larvae on <i>Chionochloa</i> (B. Patrick pers. comm.)
		<i>Austrocidaria callichlora</i> Butler	2	Uncommon but reasonably widespread; nocturnal (B. Patrick pers. comm.)
		<i>Notoreas</i> n. sp.	6	Locally distributed; known from Hawkdun, Kakanuis, Dunstan Mts.; larvae on <i>Kelleria villosa</i> ; diurnal (B. Patrick pers. comm.)
		<i>Paranotoreas brephosata</i> Walker	6	Widespread; coastal to high alpine; larvae on <i>Epilobium</i> (B. Patrick pers. comm.)
		<i>Pseudocoremia indistincta</i> Butler	2	Widespread; larvae on <i>Muehlenbeckia</i> (B. Patrick pers. comm.)
	Noctuidae	<i>Bityla defigurata</i> Walker	3	Widespread coastal to montane; larvae on <i>Muehlenbeckia</i> (B. Patrick pers. comm.)
	Oecophoridae	<i>Gymnobathra parca</i> Butler	5	Fairly common shrubland sp. (B. Patrick pers. comm.)
		<i>Tingena melinella</i> Felder & Rogenhofer	2	Common leaf litter, forest/shrubland species (B. Patrick pers. comm.)
	Megaloptera	Corydalidae	<i>Archichauloides diversus</i> (Walker)	1
Orthoptera	Acrididae	<i>Sigaus australis</i> (Hutton) spp. complex	5,6, 8	Southern South island group; tend to be found above 1000m (Morris 2002)
		<i>Sigaus campestris</i> (Hutton) spp. complex	4	
	Blattidae	<i>Celatoblatta anisoptera</i> Johns	6	Eastern-most record of Mackenzie Basin Species; also in St. Mary Range (P.M. Johns, pers. comm.)
		<i>Celatoblatta quinque maculata</i> Johns	6	Northeastern-most record of Central Otago mountain species; not previously recorded from any of the St Bathans, Hawkdun/St May or Kakanui Ranges (P.M. Johns, pers. comm.)

Order	Family	Genus species author	Site	Comment
		<i>Parellipsidion inaculeatum</i> Johns	6	Widespread Canterbury/Otago subalpine species (P.M. Johns, pers. comm.)
		<i>Parellipsidion pachycercum</i> Johns	3	Widespread lowland to mid-altitude species (P.M. Johns, pers. comm.)
	Gryllidae	gryllid sp. 1	8	cricket
	Rhaphidophoridae	<i>Isoplectron</i> sp.	2	Cave cricket
	e			
	Stenopelmatidae	<i>Deinacrida connectens</i> (Ander)	6	Common weta in South Island alpine environments (P.M. Johns, pers. comm.)
		<i>Hemiandrus</i> sp.	4	East Otago loess soils (P.M. Johns, pers. comm.)
Thysanoptera	Thripidae	thrips sp. 1	6	