

## **APPENDIX 1**

### **Summary of Lizard Surveys Undertaken in Coal Measures Vegetation**

### Summary of Lizard Surveys Undertaken in Coal Measures Vegetation

Survey	Location	Date	Method(s)	Search Time (Person Hours)	No. Of Lizards Observed
Thomas <i>et al.</i> (1997)	Waimangaroa Valley	4-8 March 1997	Hand searching, visual scanning, spotlighting and pitfall trapping.	45	One forest gecko.
Thomas & Toft (2002)	Millerton Block	22-24 January 2002	Hand searching, visual scanning and spotlighting.	?	One West Coast green gecko.
Bell & Jewell (2007)	No. 2 South Block	February – March 2007	Visual scanning, spotlighting, artificial cover objects (Onduline ACOs and closed-cell-foam ACOs) and pitfall trapping.	37	None.
Waybacks Ltd & Wildlife Surveys (2008)	Mangatini Hydro Scheme footprint – Lake William, Lake Weka to the coast.	26-29 November 2007	Visual scanning, hand searching and spotlighting.	12.5	Four forest geckos and one speckled skink near Denniston.
MBC Contracting (2008a)	Millerton East	January – February 2008	General walk-through.	?	Two forest geckos.
MBC Contracting (2008b)	Millerton North	February – March 2008	General walk-through.	?	Four forest geckos.
MBC Contracting (2010)	Stockton Hydro Project	March 2010	General walk-through.	?	Unspecified number of geckos.
Fauna Finders (2011)	Mt William North	6-9 November 2010	Visual scanning, hand searching and live trapping.	26.5	One West Coast green gecko and three forest geckos.
Bio Blitz (2012)	Denniston	2 – 5 March 2012	Visual scanning, hand searching, live trapping, spotlighting and lizard detector dog	?	One West Coast green gecko, nine forest geckos, one speckled skink
Fauna Finders (2012)	Denniston	19-23 March 2012	Visual scanning, hand searching and lizard detector dog	26	One West Coast green gecko, eight forest geckos and two speckled skinks.

<b>Survey</b>	<b>Location</b>	<b>Date</b>	<b>Method(s)</b>	<b>Search Time (Person Hours)</b>	<b>No. Of Lizards Observed</b>
Fauna Finders 2013	Te Kuha	11 – 14 March 2013	Visual scanning, hand searching and spotlighting.	29	Three forest geckos and one speckled skink

Doesn't include Adams, L., Miller, C., van Mierlo, R., Tocher, M., Affeld, K., van Klink, P. 2000. West Coast lizard surveys. Unpublished Report, Department of Conservation.

## **APPENDIX 2**

**Bat detections at different locations on the West Coast and  
Buller in 2001 (after Buckingham 1999, 2002)**

**Bat detections at different locations on the West Coast and Buller in 2001 (after Buckingham 1999, 2002)**

Forest	B/D Nights (≥8 hrs)	Hours (40 kHz)	# Passes (40 kHz)	Hours (28 kHz)	# Passes (28 kHz)
Waitangi	6	62.5	0	20	0
Wanganui	19	198.5	3	72	0
Ianthe	22	225.5	4	114.5	0
Totara	7	77.5	0	56	0
Mahinapua	12	129.5	24	81	0
Kaniere	20	229	20	148	0
Waimea	8	86	0	50	0
Nemona	11	114.5	1	78	0
Omotu	4	40.5	0	20	0
Mawhera	11	123	0	110	0
Hochstetter	11	118	0	80	0
Craigieburn	11	115.5	8	70	0
Victoria	4	56	4	24	0
Te Wharau	1	11.5	0	3	0
Blackwater	4	40.5	0	30	0
Orikaka	29	262	0	125	0
Charleston	7	76.5	0	92	0
Mokihinui*	17	176	0	129	0

\* Charming Creek

**KEY:**

B/D Nights: Bat-detector nights using Batbox III™ detectors  
Hours: Total hours of bat surveillance at appropriate frequency setting  
Passes: Number of bat passes detected  
40 kHz Optimum frequency setting to detect long-tailed bats  
28 kHz Optimum frequency setting to detect short-tailed bats

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