



# **Lord Howe Island Rodent Eradication Project**

## **NSW Species Impact Statement**

**February 2017**

***Appendix I - Island Eradications Using Pestoff***

**TABLE M . SUCCESSFUL ISLAND ERADICATIONS USING PESTOFF® RODENT 20R (Broome and Fairweather 2016)**

<b>SPECIES &amp; LOCATION</b>	<b>YEAR</b>	<b>AREA (sq km)</b>	<b>METHOD &amp; RODENTICIDE USE</b>	<b>POPULATION</b>	<b>REFERENCE</b>
<b>Ship Rat</b> Quail (Lyttleton)	2002	.850	Bait stations (Pestoff® Rodent 20R) followed up by Talon® WB)	None	Kavermann et al. (2003)
Pearl	2005	5.12	Aerial (Pestoff® Rodent 20R)	None	Pestlink report 0506SIS02
Picker	2005	1.030	Aerial (Pestoff® Rodent 20R)	None	M Avis pers comm..
Taukihepa (Big South Cape)	2006	9.330	Aerial (Pestoff® Rodent 20R)	None	Pestlink report 0506SIS02
Pukeweka	2006	.032	Aerial (Pestoff® Rodent 20R)	None	Pestlink report 0506SIS02
Rerewhakaupoko (Solomon)	2006	.345	Aerial (Pestoff® Rodent 20R)	None	Pestlink report 0506SIS02
Rangitoto/Motutapu	2009	23,11 / 1509	Aerial (Pestoff® Rodent 20R)	Unknown	Docdm-898404
Macquarie (Australia)	2011	12,876	Aerial (Pestoff® Rodent 20R)	11-100	Springer 2016
Great Mercury	2014	21.756	Aerial (Pestoff® Rodent 20R)	Unknown	DOCDM-1559634

<b>SPECIES &amp; LOCATION</b>	<b>YEAR</b>	<b>AREA (sq km)</b>	<b>METHOD &amp; RODENTICIDE USE</b>	<b>POPULATION</b>	<b>REFERENCE</b>
Moturua; Okahu; Te Ao; Moturua, Urupukapuka	2009	.5990	Aerial (Pestoff® Rodent 20R)	None	DOCDM-483696
<b>House mouse</b>			Aerial (Pestoff® Rodent 20R)	None	
Enderby (Auckland)	1993	7.1	Aerial (Pestoff® Rodent 20R)	None	Torr (2002)
Motuihe (Hauraki Gulf)	1997	1.79	Aerial (Pestoff® Rodent 20R)		Veitch (2002a)
Mokoia (Lake Rotorua)	2001	1.35	Aerial (Pestoff® Rodent 20R)	None	Pestlink: 0304ROT01
Selvagem Grande (Portugal)	2002	3	Aerial (Pestoff® Rodent 20R)	None	Olivera et al. (2010)
Blumine (Marlborough)	2005		Aerial (Pestoff® Rodent 20R)		M Aviss pers. 20mm..
Ohinau (Coromandel)	2005	.46	Aerial (Pestoff® Rodent 20R)	None	R Chappell DOCDM-314307
Tonga (Abel Tasman)	2007	.146	Aerial (Pestoff® Rodent 20R)	None	Pestlink report 0708MOT06
Adele (Abel Tasman)	2007	.880	Aerial (Pestoff® Rodent 20R)	None	Pestlink report 0708MOT06
Fisherman (Abel Tasman)	2007	.146	Aerial (Pestoff® Rodent 20R)	None	Pestlink report 0708MOT06

<b>SPECIES &amp; LOCATION</b>	<b>YEAR</b>	<b>AREA (sq km)</b>	<b>METHOD &amp; RODENTICIDE USE</b>	<b>POPULATION</b>	<b>REFERENCE</b>
Pomona (Lake Manapouri)	2007	2.62	Aerial (Pestoff® Rodent 20R)	None	Pestlink report 0708TEA10
Rona (Lake Manapouri)	2007	.6	Aerial (Pestoff® Rodent 20R)	None	Pestlink report 0708TEA10
Montague (Australia)	2007	1,128	Aerial (Pestoff® Rodent 20R)	None	<a href="http://www.abc.net.au/news/stories/2009/06/24/2606639.htm?site=news">http://www.abc.net.au/news/stories/2009/06/24/2606639.htm?site=news</a>
Rangitoto/Motutapu	2009	23	Aerial (Pestoff® Rodent 20R)	Unknown	Docdm-898404
Macquarie (Australia)	2011	12,876	Aerial (Pestoff® Rodent 20R)	11-100	Springer 2016
Maud (Marlborough Sounds)	2014	3	Aerial (Pestoff® Rodent 20R)	None	DOCDM-2617140.
<b>Kiore (Pacific Rat)</b>					
Inner Chetwode (Nukuwaiata)	1993	2.4	Aerial (Wanganui #7)	None	Brown (1997a)
Kapiti	1996	19.6	Aerial & handlaying (Talon® 7-20)	11-100	Empson & Miskelly (1999)
Fanal (Mokohinau)	1997	.73	Aerial (Talon® 7-20)	None	Veitch (2002b)
Whangaokena (East)	1997	3.8	Aerial (Talon® 7-20) plus handlaid Talon® 50WB	None	Bassett (1999)

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Whakaterepapanui	1999	.74	Aerial & handlaying (Pestoff® Rodent 20R)	None	P. Gaze pers. 40mm..
(Rangitoto)					
Mayor (Tuhua)	2000	12.7	Aerial (Pestoff® Rodent 20R)	None	Williams (2002)
Raoul (Kermadecs)	2002	29.3	Aerial (Pestoff® Rodent 20R)	Unknown	M. Ambrose pers. comm Pestlink: 0203WAR37
Hauturu (Little Barrier)	2004	30.8	Aerial (Pestoff® Rodent 20R)	None	Griffiths pers. 40mm Pestlink: 0405WAR03
Bench	2005	1.2	Aerial (Pestoff® Rodent 20R)	None	Pestlink report 0506SIS01
Pearl	2005	5.1	Aerial (Pestoff® Rodent 20R)	None	Pestlink report 0506SIS02
Big Moggy (Mokonui)	2006	.86	Aerial (Pestoff® Rodent 20R)	None	Pestlink report 0607SIS01
Rangitoto/Motutapu	2009	24	Aerial (Pestoff® Rodent 20R)	Unknown	Docdm-898404
Moturua	2009	1.9	Aerial (Pestoff® Rodent 20R)	None	DOCDM-483696
Taranga (Hen)	2011	5	Aerial (Pestoff® Rodent 20R)	None	Pestlink report 1011WNG12
Great Mercury	2014	21	Aerial (Pestoff® Rodent 20R)	Unknown	DOCDM-1559634
<b>Norway rat</b>					
Kapiti	1996	20	Aerial & Bait Stations (Talon® 7-20)	11-100	Empson & Miskelly (1999)

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Motuihe (Hauraki Gulf)	1997	1.79	Aerial (Talon® 7-20)	None	Veitch (2002a)
Puangiangi	1999	.69	Aerial & handlaying (Pestoff® Rodent 20R)	None	Pestlink: 0203SND07
(Rangitoto)					
Tinui (Rangitoto)	1999	.95	Aerial (Pestoff® Rodent 20R)	None	Pestlink: 0203SND07
Whakaterepapanui (Rangitoto)	1999	.74	Aerial (Pestoff® Rodent 20R)	None	Pestlink: 0203SND07
Mayor (Tuhua)	2000	12.7	Aerial (Pestoff® Rodent 20R)	None	Williams (2002)
Campbell	2001	.67	Aerial (Pestoff® Rodent 20R)	None	McClelland (2001)
Quail (Lyttleton)	2002	.85	Bait stations (Pestoff® Rodent 20R followed up by Talon® WB)	None	Kavermann et al. (2003)
Rakino (Hauraki Gulf)	2002	1.5	Bait stations (Pestoff® Rodent 20R)	11-100	G.Wilson Pestlink: 0405AKD06
Raoul (Kermadecs)	2002	30	Aerial (Pestoff® Rodent 20R)	Unknown	M.Ambroseperscomm Pestlink: 0203WAR37
Rangitoto/Motutapu	2009	24	Aerial (Pestoff® Rodent 20R)	Unknown	Docdm-898404

<b>SPECIES &amp; LOCATION</b>	<b>YEAR</b>	<b>AREA (sq km)</b>	<b>METHOD &amp; RODENTICIDE USE</b>	<b>POPULATION</b>	<b>REFERENCE</b>
{Motuarohia; Moturua; Motukiekie; Poroporo; Urupukapuka; Waewaetorea; Okahu; Rangiatea;	2009	.9	Aerial (Pestoff® Rodent 20R)	None	DOCDM-483696
Motungarara}  Ulva	2011	2.70	Aerial (Pestoff® Rodent 20R)	None	Masuda et al 2015