

Supplementary material

Appendix S1. List of recorded kiwi translocations and their outcomes. Even though reinforcements and translocations resulting in hybrid populations were not assessed for their outcome, they appear in outcome column as either reinforcement or hybrid. Information about numbers of released birds from several translocations before 1990 may be incomplete or missing (denoted as —).

Taxon	Release site	Year	Outcome	Number released
Northland brown kiwi	Kawau I, Hauraki Gulf	1863–1864	mgmt required	—
	Rangitoto Range, Waikato	1973–1977	unsuccessful	50
	Motuarohia I (Roberton I), Bay of Islands	1975–1976	mgmt required	5
	Matuku Reserve, N Waitākere Ranges	1979–1985	unsuccessful	41
	Huia Bay, S Waitākere Ranges	1981–1982	unsuccessful	3
	Moturoa I, Bay of Islands	1981–1985	mgmt required	7
	Burma Rd Reserve, Tāpora	1982–1986	unsuccessful	32
	Moturua I, Bay of Islands	1983–1985	mgmt required	15
	Motukiekie I, Bay of Islands	1984–1984	unsuccessful	—
	Logue’s bush, Wellsford, Auckland	1988–1988	unsuccessful	1
	Motukawanui I, Cavalli Is	1995–1997	in progress	12
	Motuora I, Hauraki Gulf	1999–2015	in progress	92
	Bream Head	2000–2016	reinforcement	74
	Whangārei Heads (Manaia, Kaiamba)	2004–2016	reinforcement	114
	Tutukaka/Ngunguru	2005–2018	reinforcement	50
	Tāwharanui Open Sanctuary	2006–2008	in progress	44
	Tanekaha, Hikurangi	2011–2018	in progress	19
	Motukawanui I, Cavalli Is	2013–2013	reinforcement	5
	Marunui, Brynderwyn Range	2013–2015	in progress	45
	Mataia, Glorit	2013–2015	in progress	41
Pataua North, Ngunguru Bay	2017–2018	in progress	23	
Pukenui Forest, Whangārei	2018–2018	in progress	12	
Coromandel brown kiwi	Motutapu I, Hauraki Gulf	2012–2018	in progress	79
	Whangapoua Forest, Coromandel	2014–2018	reinforcement	57
	Kohukohunui, Hunua Ranges	2017–2017	unsuccessful	7
Western brown kiwi	Te Hauturu-o-Toi / Little Barrier I	1903–1919	reinforcement	19
	Kapiti I	1915–1940	hybrid	10
	Karioi Rahui, Rangataua Forest	2000–2015	reinforcement	59
	Maungatautari	2005–2018	in progress	89
	Mount Taranaki	2005–2018	reinforcement	106
	Purangi	2008–2008	reinforcement	2
	Tongariro Forest	2010–2014	reinforcement	23
	Lake Rotokare, Taranaki	2010–2018	in progress	33
	Waimarino Forest	2012–2014	reinforcement	20
	Parininihi	2015–2015	reinforcement	1

Taxon	Release site	Year	Outcome	Number released
Eastern brown kiwi	Mokoia I, Lake Rotorua	1974–1974	unsuccessful	2
	Boundary Stream Mainland Island	2000–2007	in progress	40
	Moutohorā I (Whale I), Bay of Plenty	2001–2013	in progress	29
	Mokoia I, Lake Rotorua	2003–2008	in progress	9
	Kāweka Forest	2004–2018	reinforcement	29
	Tuhua I (Mayor I), Bay of Plenty	2006–2011	in progress	13
	Otanewainuku, Bay of Plenty	2007–2018	in progress	50
	Cape (Kidnappers) Sanctuary, Hawke's Bay	2008–2011	in progress	74
	Maungataniwha, Hawke's Bay	2011–2017	reinforcement	37
Whareama Peninsula, Lake Waikaremoana	2014–2014	reinforcement	3	
Mixed origin brown kiwi	Ponui I, Hauraki Gulf	1964–1964	mgmt required	14
	Gwavas Forest, Hawke's Bay	1980–1981	unsuccessful	16
	Pūkaha Mount Bruce	2003–2014	in progress	60
	Remutaka Forest Park	2006–2012	in progress	32
Little spotted kiwi	Long I, Dusky Sound	1896–1897	unsuccessful	16
	Resolution I, Dusky Sound	1896–1898	unsuccessful	50
	Anchor I, Dusky Sound	1898–1898	unsuccessful	3
	Cooper I, Dusky Sound	1903–1903	reinforcement	7
	Kapiti I	1912–1912	mgmt required	5
	Maud I / Te Hoiere, Pelorus Sound	1980–1980	unsuccessful	2
	Long I, Queen Charlotte Sound	1982–1989	mgmt required	5
	Red Mercury I (Whakau), Coromandel	1983–1983	in progress	12
	Taranga I (Hen I), Hauraki Gulf	1988–1989	mgmt required	38
	Tiritiri Matangi I	1993–1995	in progress	16
	Zealandia Sanctuary	2000–2008	likely successful	41
	Chalky I, Chalky Inlet	2008–2010	in progress	39
	Motuihe I / Te Motu-a-Ihenga, Hauraki Gulf	2009–2010	in progress	40
	Cape (Kidnappers) Sanctuary, Hawke's Bay	2015–2016	in progress	31
	Anchor I, Dusky Sound	2015–2017	in progress	40
	Red Mercury I (Whakau), Coromandel	2016–2016	reinforcement	10
	Tiritiri Matangi I	2017–2017	reinforcement	10
Shakespear Open Sanctuary	2017–2018	in progress	40	
LSK/Rowi hybrid	Mana I, Wellington	1992–1994	unsuccessful	2
	Allports I, Queen Charlotte Sound	2006–2006	hybrid	2
Rowi	Blumine I (Oruawairua), Queen Charlotte Sound	2010–2016	in progress	31
	North Ōkārīto Forest	2010–2017	in progress	169
	Mana I, Wellington	2012–2013	in progress	24
	Ōmoeroa Ranges	2018–2018	in progress	27

Taxon	Release site	Year	Outcome	Number released
Great spotted kiwi	Te Hauturu-o-Toi / Little Barrier I	1915–1915	unsuccessful	19
	Lake Rotoiti Mainland Island	2004–2016	in progress	31
	Hawdon/Andrews Valley, Arthur's Pass	2009–2010	reinforcement	4
	Flora, Kahurangi	2010–2016	in progress	44
	Nina Valley, Lewis Pass	2011–2015	in progress	18
Haast tokoeka	Rarotoka I (Centre I), Foveaux Strait	2008–2015	in progress	20
	Coal I, Preservation Inlet	2009–2015	in progress	33
	Orokonui Sanctuary, Dunedin	2010–2016	in progress	26
	Pomona I, Lake Manapouri	2011–2015	in progress	22
North Fiordland tokoeka	Te Hauturu-o-Toi / Little Barrier I	1903–1903	unsuccessful	1
	Doubtful I 1, Lake Te Anau	2002–2002	unsuccessful	4
	Doubtful I 2, Lake Te Anau	2002–2002	unsuccessful	7
	Te Ana-au Caves, Murchison Mtns	2004–2004	reinforcement	4
	Sinbad Gully, Milford Sound / Piopiotahi	2011–2011	reinforcement	3
South Fiordland tokoeka	Indian I, Dusky Sound	1895–1897	mgmt required	5
	Resolution I, Dusky Sound	1895–1898	reinforcement	15
	Long I, Dusky Sound	1896–1897	mgmt required	13
	Parrot I, Dusky Sound	1896–1897	mgmt required	7
	Harbour I, Breaksea Sound	1897–1897	unsuccessful	3
	Anchor I, Dusky Sound	1897–1900	unsuccessful	2
	Breaksea I, Breaksea Sound	1900–1900	unsuccessful	3
	Maori I, Dusky Sound	1900–1900	unsuccessful	—
	Nomans I, Dusky Sound	1900–1900	unsuccessful	—
	Prove I, Dusky Sound	1900–1900	unsuccessful	—
Kapiti I	1908–1908	hybrid	2	
Rakiura tokoeka	Horomamae / Owen I, Rakiura	1955–1955	mgmt required	—
	Ulva I, Rakiura	1980–1980	in progress	7
	Ulva I, Rakiura	2013–2013	reinforcement	10
	Ackers Point, Halfmoon Bay, Rakiura I	2013–2013	reinforcement	11