

APPENDIX 1:
Table 1. Deaths of radio tracked kiwi on DOC managed projects over the last 2 years (since the start of 2016) by kiwi region

Population	Project	Number of known kiwi deaths per annum				Causes of known kiwi deaths					Comments
		2016	2017	2018	TOTAL	Predation	Human	Disease	Natural	Unknown	
Tokoeka											
Haast	Haast tokoeka	9 (7x chicks)	12 (10x chicks)	3 (3x chicks)	24	6 (5x stoat, 1x cat)		1	8 (6x starvation, 2x misadventure)	9	2016/17 was an <i>in-situ</i> survival study. Most deaths were chicks. 2017/18 was also meant to be an <i>in-situ</i> study, but due to the drought (and the closure of traps) all chicks were removed from the sanctuary and moved to creche sites. It is highly likely that if they had remained in the sanctuary most would have died either of starvation or predation.
North Fiordland		0	0	0	0						No monitoring during this time
South Fiordland	Shy lake Southern Fiordland Tokoeka Recruitment study	0	8	2	10	10 (stoat)					Year 1 of chick recruitment study, all deaths were chicks less than 3 weeks old. 6/10 were known stoat; 4/10 have supporting evidence of stoats but carcasses not recovered and so not sure. No pest control of any sort has ever yet been undertaken in the area.
Rakiura		0	0	0	0						Mason Bay: 25 birds radio tracked for 2 weeks then transmitters removed - all birds fine Port Adventure: 25 birds radio tracked for 2 weeks then transmitters removed - all birds fine
Rowi											
	Okarito	11 (10x chicks/ juveniles)	4 (2x chicks/ juveniles)	5 (5x chicks/ juveniles)	20	4 (falcon)	1 (car impact)	4 (2x disease related 2x health related)	6 (1x leg trauma 1x drowning, 4x drownings/ misadventure)	5	Some deaths were unknown as kiwi were too decomposed when found.
Great spotted kiwi											
Northwest Nelson	Roaring Lion BFOB study	1	2	3	6				4	2	The 2016 death was an adult death of apparently natural causes. 2017 deaths were chicks <4 weeks old, carcasses not found. 2018 deaths were chicks <4 weeks old - one died naturally at hatch, 2 were apparently natural (not predated) but cause unknown.
Nelson Lakes	Rotoiti Nature Recovery Project	2 (juveniles)	0	0	2	1 (cat)			1 (fell down a hole)		
Westport		0	0	0	0						No monitoring studies during this time
Paparoa Range	Te Wharau SOIK study	0	0	4	4	4 (stoat)					No Pest control undertaken. All deaths were chicks <1-week-old. One carcass retrieved, all others had stoats visiting on camera before disappearance
Arthur's Pass		0	0	0	0						No monitoring during this time
Little spotted kiwi											
	Shakespear Regional Park kiwi translocation	0	0	0	0						No individuals died during the DOC managed portion of the translocation project, 20 transmitters on prior to translocation - no deaths.

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Brown kiwi											
Northland	Kauri Coast - Trounson Park	14 (chicks)	2	1	17	12 chicks (1 ferret kill confirmed the rest likely stoat) 1 adult (dog kill)	1 (unknown adult male, found dead on road next to Trounson, - vehicle impact)		2 chicks	1 (unknown - too decomposed to determine - at Dargaville township not Trounson)	In 2015/16 a trial of A24 self-resetting traps was conducted in Trounson Kauri Park. Kiwi chick survival was the outcome monitoring conducted to determine their effectiveness for stoat control. This was a one-year trial. No further chick monitoring was done after 2016. Adult deaths in 2017 & 2018 were random finds, particularly the one at Dargaville as kiwi have not been reported present here for decades. .
Northland	Whangarei	0	1	0	1						Radio-tracked birds
Coromandel	Moehau	0	0	0	0						No monitoring during this time
Western	Tongariro Forest	5	7	11	23	15 (14 ferret predation, 1 stoat)	1 (translocation)			7 (too decomposed to tell- but 4 suspected ferret predations)	Of the 7 deaths recorded as unknown causes, 4 were suspected ferret predations due to location and timing of other ferret-kiwi kills
Eastern	Boundary Stream Mainland Island	0	1	1	2	1 (adult, too decomposed to be sure, likely a cat or ferret)			1 (adult, found in a hole therefore likely trapped)		Kiwi monitored by ECOED (community group) in 2017, Kiwi managed by Kiwis for Kiwi in 2018. Management only to locate birds when breeding so ONE can occur. Therefore, checks not regular and bodies not found in a timely fashion to accurately determine cause of death.
Eastern	Kaweka Forest Park	0	3	3	6	6 adults (1x ferret, 1x suspected ferret, 1x suspected cat, 3 unknown)					Kiwi managed and monitored by ECOED (community group). Likely cause of death determined by how and where body was found. Terrain and accessibility of Kawekas, and volunteer capacity determines how quickly bodies are located.

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