



19-E-0511 / DOC 6065802

16 September 2019

[REDACTED]
[REDACTED]

Dear [REDACTED]

We refer to the Official Information Act request you submitted to the Department of Conservation on 29 July 2019.

In our letter to you dated 26 August 2019, we advised that we were extending the 20 working day period to respond to that part of your request which seeks information on monitoring data relating to mammalian pests (excluding mice, rats and stoats). This letter forms our response to that point.

We are providing you with copies of the most recent possum monitoring data we have collected from wax tag lines that have been set up in the Wet Jacket region. This data is set out at Appendix 1 (attached to this letter).

We are also providing you with the most recent Residual Trap-Catch (RTC) data we have collected from the Clinton region in Fiordland. This data is set out at Appendix 2 (also attached to this letter).

We note that some mammalian pest monitoring data is collected via the Department's terrestrial monitoring programme. Under this programme, the Department collects monitoring data from approximately 1,400 plot locations that are evenly spaced across public conservation land. Approximately 280 plots are measured each year, with each plot being measured on a 5-year rotation cycle. The most recent monitoring data we have collected as a part of this monitoring programme is published on the Department's website and can be accessed via the following webpage: <https://www.doc.govt.nz/our-work/monitoring-reporting/plot-level-report/>.

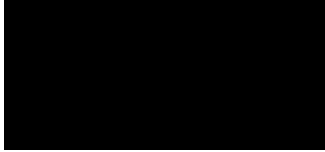
The Department has also prepared factsheets which set out data relating to the abundance and distribution of some mammalian pests (such as possums and ungulates). These factsheets are published on the Department's website, at: <https://www.doc.govt.nz/our-work/monitoring-reporting/>.

We are currently in the process of publishing the latest factsheets which set out the most recent monitoring data collected in 2018/2019. We anticipate that these factsheets will be published on the Department's website over the course of the next two months. Once they are published, you can access them via the following link: <https://www.doc.govt.nz/our-work/monitoring-reporting/>.

You have the right to seek an investigation and review by the Ombudsman of this decision. Information about how you can make a complaint is available at www.ombudsman.parliament.nz or freephone 0800 802 602.

Please note that this letter (with your personal details removed) may be published on the Department's website.

Yours sincerely



Amber Bill
Director Threats – Biodiversity
For Director-General

Appendix 1

Possum monitoring data - Wet Jacket (April 2019)

Strata 1 **Henry Burn** Date (Month/Year) **Apr-19**

Operation	Year	Date	Strata No	Strata Name	Strata Weight	Line no.	Total rain	GPS E	GPS N	Possums Bitemarks	Non-target Bitemarks	Unknown Bitemarks	Tag Lost/Damaged	No Bitemarks	Wax Tag Index
Wet Jacket	18/19	Apr-19	1	Henry Burn	0	2101	5	1130935	4928869	2	1			7	20%
Wet Jacket	18/19	Apr-19	1	Henry Burn	0	2210	5	1131315	4927709	9	1				90%
Wet Jacket	18/19	Apr-19	1	Henry Burn	0	2310	5	1130500	4925269	4	3			3	40%
Wet Jacket	18/19	Apr-19	1	Henry Burn	0	2410	5	1130345	4923244	5				5	50%
Wet Jacket	18/19	Apr-19	1	Henry Burn	0	2510	5	1128730	4921629	7				3	70%

Mean Total Line Interference % (Strata 1)

100%
 (+/-) **0%** 95%CI
 SE **0%**

Mean Possum Activity Index % (Strata 1)

54%
 (+/-) **24%** 95%CI
 SE **12%**

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Strata 2 **Mt Forster** Date (Month/Year) **Apr-19**

Operation	Year	Date	Strata No	Strata Name	Strata Weight	line no.	Total rain	GPS E	GPS N	Possums Bitemarks	Non-target Bitemarks	Unknown Bitemarks	Tag Lost/Damaged	No Bitemarks	Wax Tag Index
Wet Jacket	18/19	Apr-19	2	Mt Forster	0	1701	5	1117340	4923322.5					10	0%
Wet Jacket	18/19	Apr-19	2	Mt Forster	0	Point A	5	1115805	4922446	3				7	30%
Wet Jacket	18/19	Apr-19	2	Mt Forster	0	1810	5	1115925	4920897.4	6				4	60%
Wet Jacket	18/19	Apr-19	2	Mt Forster	0	1901	5	1116530	4920217.4	1	1	1		7	10%
Wet Jacket	18/19	Apr-19	2	Mt Forster	0	2010	5	1116650	4919111	7				3	70%

Mean Total Line Interference % (Strata 2)

80%
 (+/-) 36% 95%CI
 SE 18%

Mean Possum Activity Index % (Strata 2)

34%
 (+/-) 27% 95%CI
 SE 14%

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Strata 3 Broughton Arm

Date (Month/Year)

Apr-19

Operation	Year	Date	Strata No	Strata Name	Strata Weight	Line no.	Total rain	GPS E	GPS N	Possums Bitemarks	Non-target Bitemarks	Unknown Bitemarks	Tag Lost/Damaged	No Bitemarks	Wax Tag Index
Wet Jacket	18/19	Apr-19	3	Broughton Arm	0	1506	5	1122180	4933584	8				2	80%
Wet Jacket	18/19	Apr-19	3	Broughton Arm	0	0410	5	1123020	4934694					10	0%
Wet Jacket	18/19	Apr-19	3	Broughton Arm	0	0310	5	1123265	4935464	3			1	6	30%
Wet Jacket	18/19	Apr-19	3	Broughton Arm	0	0210	5	1124740	4935694	2		1	1	6	20%
Wet Jacket	18/19	Apr-19	3	Broughton Arm	0	0101	5	1125610	4936234	3	1			6	30%

Mean Total Line Interference % (Strata 3)

80%

Mean Possum Activity Index % (Strata 3)

32%

(+/-)

36% 95%CI

(+/-)

26% 95%CI

SE

18%

SE

13%

Released under the Official Information Act

Strata 4 **Celmisia Lodge**

Date (Month/Year) **Apr-19**

Operation	Year	Date	Strata No	Strata Name	Strata Weight	Line no.	Total rain	GPS E	GPS N	Possums Bitemarks	Non-target Bitemarks	Unknown Bitemarks	Tag Lost/Damaged	No Bitemarks	Wax Tag Index
Wet Jacket	18/19	Apr-19	4	Celmisia Lodge	0	1104	5	1121375	4933134	1		1		8	10%
Wet Jacket	18/19	Apr-19	4	Celmisia Lodge	0	0905	5	1120135	4934489					10	0%
Wet Jacket	18/19	Apr-19	4	Celmisia Lodge	0	0801	5	1120575	4934344	5				5	50%
Wet Jacket	18/19	Apr-19	4	Celmisia Lodge	0	0701	5	1120880	4935104	9				1	90%
Wet Jacket	18/19	Apr-19	4	Celmisia Lodge	0	0601	5	1122070	4935724	9			1		90%

Mean Total Line Interference % (Strata 4)

80%
 (+/-) **36% 95%CI**
 SE **18%**

Mean Possum Activity Index % (Strata 4)

48%
 (+/-) **38% 95%CI**
 SE **19%**

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Appendix 2

Residual Trap Catch (RTC) data - Clinton

RTC Calculations									
LOCATION: Clinton									
Number of lines:		18			Dates traps set:		C01 - C05 4/6/19 - 6/6/19		
Number of traps per line:		10					C06 - C18 19/3/19 - 21/3/19		
Number of nights traps set:		3							
Line	Stratum	trap nights	captures	escapes	non-targets	sprung but empty	corrected trap nights	corrected captures	line mean
C1		30	0	0	0	0	30	0	0
C2		30	0	0	0	0	30	0	0
C3		30	1	0	0	0	30	1	0.033333333
C4		30	0	0	0	0	30	0	0
C5		30	1	2	0	0	30	3	0.1
C6		30	0	0	0	0	30	0	0
C7		30	0	0	0	0	30	0	0
C8		30	0	0	0	0	30	0	0
C9		30	0	0	1	0	29.5	0	0
C10		30	2	0	0	0	30	2	0.066666667
C11		30	0	0	0	0	30	0	0
C12		30	0	0	0	0	30	0	0
C13		30	1	0	0	0	30	1	0.033333333
C14		30	0	0	1	0	29.5	0	0
C15		30	0	0	0	0	30	0	0
C16		30	0	0	0	0	30	0	0
C17		30	2	0	0	0	30	2	0.066666667
C18		30	0	0	0	0	30	0	0
							RTC estimate =	0.016666667	
							Standard deviation	0.040368671	
							SE	1.024393829	