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1. Introduction

1.1 Overview	 It is proposed that the following pesticide uses will be applied: Pesticide Use [1] [Sodium fluoroacetate] [1.5g/kg] [RS5 cereal pellet] [aerial]. Pesticide Use [116] [Pindone] [0.5g/kg] [cereal pellet] [bait stations] Permission is sought for toxic application starting on or after 15 June 2019 and ending on or before 30 May 2020. Nontoxic prefeed will be applied no earlier than 5 June 2019. 		
1.2 Treatment area	Clinton Eglinton 37,079.8 ha approxi	mately.	
1.3	Name	На	
Treatment block(s)	Clinton	10467.1	
	Eglinton	26612.7	
1.4 Geographical location	The operational area is made up of two adjacent parts. One centring on the Clinton River valley system and the other the Eglinton River valley system. This includes Lake Te Anau foreshore from half way between Feldspar Point and the Clinton River mouth around the lake to 1100 metres south of Dot Island. From there a line to Winton Peak marks an approximation of the Southern end of the control area. It includes both sides of the Eglinton Valley north to the Divide. This includes the lower reaches of the Eglinton River's East Branch.		
Lease O	On the Clinton River valley system it includes both sides of the Neale Burn Valley as far as Lake Thompson, all of the Clinton River North Branch and the Clinton River valley to Mackinnon Pass.		
201	This area is all part of Fiordland National Content of Fiordland C	onal Park.	
1.5 Adjacent land tenure and uses	Most of the adjacent land is Public Co the exception of an area south of the 1 to C P Trustees Ltd and farmed as par Station.	onservation Land with Eglinton River registered rt of Te Anau Downs	

1.6 Nearby residential areas or facilities	The township of Te Anau is around 28.5 kilometres south of the treatment area. Accommodation and public toilets are located at Knobs Flat.
lacifilies	There are numerous campsites along the Milford Te Anau Highway and various huts and shelters in the Clinton Valley associated with the Milford Track.
1.7 Community interests	Clinton: Includes a portion of the Milford Track from the Glade Wharf to the Mackinnon Pass. This is one of New Zealand's Great Walks. There are several businesses that provide guiding, accommodation and access services to track users. This activity occurs during the Great Walks season Oct- April. Most visitors are in the Clinton Valley during the Great Walks season. The Milford Track has very low use during winter as snow and avalanche hazards often prevent access to the upper valley. During the offseason there is no scheduled boat transport to Glade Wharf the start of the Milford Track. The area is also popular with hunters and fishers. The trout fishing season starts 1 November.
	Eglinton: The block includes or is adjacent to around 48 kilometres of State Highway 94. This road is used to access Milford Sound and seasonally very busy. It has some heavily used layby areas to observe local scenery etc. There are walking tracks up some of the side valleys including East Eglinton, Murcott Burn, Hut and Mistake Creeks. These are of low use. There are nine DoC Campsites between the park boundary and the Divide. These sites are at times very busy and serviced by a Ranger between October and April each year. Most of these water ways hold popular fishing spots during the fishing season.
1.8 Management history	Clinton. Aerial and ground based hunting has been used to control goat and Chamois since before 2005. Goats were eradicated by 2004.
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Stoat trapping has been carried out since 1994 (DoC 150's). Possum traps (sentinels) were added to the stoat trap infrastructure 2012.
	Area around the Glade House Clinton river mouth has had localised cat control since 2005 (kill traps – Conibear and SA2).

Area was treated using aerially applied 1080 2005, 2014 and 2016.

Eglinton.

Possum control has taken place within the Eglinton Valley since 1994. Control has been intermittent and used the toxins 1080 and cyanide.

Stoat trapping began 1998 using kill traps adjacent to the road for around 40 kilometres.

Rat control has been carried out since 2006 using a 4800 ha bait station infrastructure.

1080 was applied aerially in 2014, 2016.

## 2. Outcomes and targets



# 3. Consultation and consents

3.1 Consultation	High level consultation for 2019 Tiakina Nga Manu Battle for our birds programme has been undertaken by the Department of Conservation and is summarised in the spread sheet: Comms Plan BfoB 2019_all and multiple sites - DOC- 5731655.	
	At the site specific level the Department developed the comms plan summarised in the spread sheet: Eglinton Clinton Communication plan 2019 - Handed over to EcoFX 9.4.19. This plan will be followed and the updates will be summarised in the spread sheet: EcoFX_Comms Log Clinton Eglinton Aerial 2019.	
3.2 Consents	<ul> <li>The following documents are attached as Appendix 4:</li> <li>Public health permission (including application form) or proof of public health application ¹[delete the options which do not apply]</li> <li>Copies of landowner/occupier consents (if obtained in writing)</li> <li>Other (specify):</li> <li>Other (specify):</li> </ul>	
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 $^{^1}$  The complete public health permission (including application form) must be sighted before DOC permission will be granted.

# 4. Methods

4.1 Treatment block 1 (Aerial	<b>Pesticides—aerial</b> Describe the pesticide use, covering the following points:		
Control)	<b>Pesticide use [1]</b> [Sodium fluoroacetate][1.5g/kg] [Cereal pellet][ aerial]	<b>Target pest</b> [Possums and Rats]	
	Brand name of pesticide	0.15% 1080 Pellets (6g RS5)	
	Lure/mask (& %)	Cinnamon 0.3%,dyed green	
	Type of pre-feed (lure/dye)	6g RS5 1.5% Cinnamon lured	
	Number of pre-feeds (if any)	One	
	Sowing rates for pre- feed and toxic bait	1.5 kg/ha	
	Other details about this r [Any other information not of picture of the method.]	<b>method</b> covered above to provide a full	

### **Pesticides**—bait station

Describe the pesticide use, covering the following points:

0	Describe the pesticide use, covering the following points:		
S	Pesticide use [116]	Target pest	
2	[Pindone][0.5g/kg][bait	[Rats]	
	type][ bait station]		
	Brand name of	Pindone pellets	
20	pesticide		
	Lure/mask (& %)	Cinnamon, dyed green	
•	Type of pre-feed	NA	
	(lure/dye)		
	Number of pre-feeds	NA	
	(if any)		
	Prefeed quantity when	NA	
	filled		
	Toxic bait-number fills	1- 4 as required	

#### Justification for proposed method All blocks

With a widespread major mast event predicted native biodiversity will suffer if predator populations are allowed to grow in the absence of control.

# 5. Further information

### Details of contractor or principle

If the operation will be contracted to another company, or if this application is being made on behalf of a principle organisation please provide the following details:

Company/organisation:	Department of Conservation
Contact person:	s 9(2)(a), 9(2)(g) (ii)
Contact number:	s 9(2)(a), 9(2)(g)(ii)

Further information

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Provide any other information or comments you would like to have considered.

## **Appendix 1: DOC Performance Standards**

e operation. Insert the appropriate sheet of Department of Conservation (DOC) Performance Standards for each pesticide use proposed for the operation. Complete all areas

#### ♦ INCLUDE ONE SHEET PER PESTICIDE USE ♦ COMPLETE SHADED AREAS ♦

Pesticide Use #1 Sodium fluoroacetate 1.5g/kg Cereal pellet Aerial (0.15% 1080 Pellet)

Target Pests: Possums, Rats

REQUIRED

#### Location of operation

Clinton Eglinton 37,080 ha

#### **Caution Period**

The estimated caution period for this operation is *[assessor to complete]* months after last date of bait application and is subject to compulsory bait and carcass monitoring. This estimated caution period cannot be reduced to less than 4 months, and must be extended if the endpoints for monitoring have not been met at the end of the period.

#### Performance Standards

Compulsory for <u>all</u> operations

- 1. For operations targeting rats, prefeed with this pesticide use.
- 2. The DOC Code of practice for aerial 1080 in kea habitat DOC-2612859 must be followed.

3. Flight paths to and from the bait loading zones by aircraft equipped with loaded or uncleaned bait sowing equipment must avoid: stocked paddocks, residential dwellings, and any other 'no fly zones' specified by consent providers.

4. An aircraft must not, when flying to or from the treatment area, fly over a public drinking water supply or waterway that is less than 100 metres upstream of a point of extraction from a water source for a drinking water supply (not being a water supply exclusively for stock).

5. For operations targeting possums, baits will have a mean size in excess of 6g and 95% of baits should weigh more than 4g.

6. The baits must be dyed green or blue.

7. The boundaries of the bait preparation and loading site are marked and loading site signs <u>docdm-181171</u> erected. At the end of every day of the operation (including the final day), the loading site and any storage area must be fenced so that people do not inadvertently enter the site and stock cannot gain access to the area. The fence and signs remain in place until the area is decontaminated.

8. If there is any likelihood that farm stock has been exposed to 1080, the owner must be advised as soon as possible, and stock removed from the area.

9. The product must only be used as specified on the manufacturer's product label.

Compulsory for this operation (delete those that you won't be applying to your operation)

10. Bait sowing rate must be no greater than 5kg/ha for 6gm baits (or equivalent bait density per hectare for other bait sizes).

11. Designate a "Safety Officer" on loading site who audits and ensures adherence to safety standards.

12. Use bait sowing buckets with retractable legs.

13. [Add further standards as required. These could include local performance standards as well as any recommendations from <u>Current Agreed Best Practice</u> that you want to apply to your operation. Attach conditions from other consents as separate pages.]

#### Information Needs

Compulsory for <u>all</u> operations Nil Compulsory for this operation 1. [Add as required.]

**Operational Planning & Design Considerations** 

Apply bait in coldest months of year.

•For operations targeting possums, do not repeat aerial operations within 4 years using the same bait.

Current Agreed Best Practice – Possum Control – Aerial Application of 1080 Cereal Pellets docdm-341728

Current Agreed Best Practice – Rat Control – Aerial Application of 1080 Cereal Bait docdm-29375

My approval dated [date] is subject to these performance standards being met. Compliance monitoring may occur. Released under the official information

[Name] Director, Operations

♦ INCLUDE ONE SHEET PER PESTICIDE USE ♦ COMPLETE SHADED AREAS ♦

Pesticide	Pindone 0.5g/kg Cereal pellet	Target Pests:
Use #116	Bait stations (Pindone Pellets)	Rats

#### Location of operation

Clinton Eglinton Road Exclusion 390 ha approx

#### **Caution Period**

The estimated caution period for this operation is *[assessor to complete]* months after bait removal and is subject to compulsory carcass monitoring. This estimated caution period cannot be reduced to less than 2 months, and must be extended if the endpoints for monitoring have not been met at the end of the period.

#### Performance Standards

Compulsory for <u>all</u> operations

- 1. Only use at sites where either possums are at very low abundance or being controlled simultaneously; or excluded from bait stations.
- 2. A continuous supply of bait must be available to all rats for the duration of the operation (a minimum of 5 consecutive days).
- 3. The baits must be dyed green or blue.
- 4. Bait stations will be removed or made pesticide-free at the completion of the operation.
- 5. The product must only be used as specified on the manufacturer's product label.

Compulsory for this operation (delete those that you won't be applying to your operation)

- 6. Do not use where pigs are present/reduce pig numbers prior to operation; or
- 7. Place bait out of reach of pigs to prevent primary poisoning, and reduce possum numbers (or exclude possums from bait stations) to help reduce the risk of secondary poisoning of pigs.
- 8. Bait station design must prevent access to baits by inquisitive birds (e.g. kea, weka and kaka).
- 9. [Add further standards as required. These could include local performance standards as well as any recommendations from <u>Current Agreed Best Practice</u> that you want to apply to your operation. Attach conditions from other consents as separate pages.]

#### **Information Needs**

#### Compulsory for <u>all</u> operations

 Monitoring: Residue test shot samples of feral animals in operational areas, especially pigs and report results in operational report. The Vertebrate Pesticides Residue Database SOP <u>docdm-33461</u> applies.

Compulsory for this operation (delete those that you won't be applying to your operation)

- Monitoring: Monitor pindone residues in carcasses of animals killed. Cage several carcasses and periodically send samples with time since poisoning for residue testing and report results in operational report. The Vertebrate Pesticides Residue Database SOP <u>docdm-33461</u> applies.
- 3. [Add as required.]

#### **Operational Planning & Design Considerations**

 Current Agreed Best Practice – Rat Control – 1st Generation Anti-Coagulants in Bait Stations docdm-29378.

My approval dated *[date]* is subject to these performance standards being met. Compliance monitoring may occur.

[Name] Operations Manager

Figure 1

## Appendix 2: Maps

Both of the following must be supplied:

- 1. DOC permission map(s) as one or more image files (.JPG format preferred)
- 2. DOC Pesticide Summary shapefiles (not required for DOC pest operations)

Your DOC permission map(s) must show the following as a minimum:

- The external boundary of the treatment area or those treatment blocks included in this operation
- Legal boundaries of land managed by DOC
- Name of treatment area
- Land tenure and adjacent owners, including leased land
- Any areas excluded from the treatment area (such as around public water supplies, pā sites)
- Location of any warning signs and public information signs
- Location of normal points of entry where warning signs must be a minimum size of A3
- Bodies of water (include rivers, streams, lakes, reservoirs, wetlands, coastal marine areas)
- Recreational facilities (tracks, huts, road ends, roads, picnic sites)
- Date map prepared

NOTE: 1:50,000 is the preferred scale. Use more than one map if the amount of detail becomes to visually cluttered to be clearly understood.

The DOC Pesticide Summary shapefile(s) will be published on the DOC Pesticide Summary website, initially as a proposed operation. It must be obvious which control methods are proposed for each treatment block. The shape files must also show all boundaries relating to the operation (treatment area/block, exclusion zones, no fly zone etc.) and warning sign locations. DOC pest operations are already captured in the Pesticide application so do not need to supply shapefiles with the application for DOC permission.

# **Appendix 3: Communication Record**

This records every individual or group who has been consulted about the proposed operation. If using the DOC Communication Plan/Record template, insert the Communication Record you created. The required contents are the following pages:

- Introduction ٠
- Consultation on options (if applicable)
- Consultation on effects (if applicable) ٠
- Toolbox ٠

If using another format, information must include:

- The decision on consultation •
- Who was consulted •
- Actual dates when consultation was undertaken ۰
- Outcomes of consultation, including any complaints and how they were addressed
- Any landowner/occupier consent conditions •
- References to which resources were used for each target audience reach Released under ٠

# **Appendix 4: Consents**

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## **Appendix 5: Assessment of environmental effects**

Complete this section if an Assessment of Environmental Effects (AEE) is required by the DOC manager approving the permission. An AEE that has been prepared on the DOC RMA AEE template (docdm-96227) for a resource consent application can be attached instead if it covers all the pesticides uses in this application.

### **Effects on non-target native species**

Target benefit<br/>speciesThis operation has been commissioned in response to a<br/>predicted beech mast event. Such event in the absence of control<br/>work will lead to significant growth in rodent populations and<br/>their associated predators. This will intern lead to loss of<br/>resources and increased predation of native flora and fauna. As<br/>a result many native species will benefit from this work.

Mohua,	Mohoua ochrocephala	Recovering
Yellowhead		
Blue Duck	Hymenolaimus	Nationally
/whio	malacorhynchos	vulnerable
long-tailed bats	Chalinolobus	Nationally
	tuberculatus	Critical
Short tailed bat	Mystacina tuberculata	Nationally
	tuberculata	Vulnerable

Non-target	
species	

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Species	Scientific Name	Threat Classification
South Island Kaka	Nestor meridionalis meridionalis	Nationally Vunerable
Kea	Nestor notabilis	Nationally Endangered
Northern Fiordland kiwi/tokoeka	Aptryx australis	Nationally Vulnerable
Black-fronted terns/tara	Chlidonias albostriatus	Nationally Endangered
New Zealand pipit / pihoihoi	Anthus novaeseelandiae novaeseelandia	At Risk
Brown Creeper	Mohoua novaeseelandiae	Not Threatened
Long-tailed cuckoo / koekoea	Eudynamys taitensis	Naturally uncommon

#### DOC application form Version 3.3

Western weka	Gallirallus australis	Not Threatened	_
	australis		
South Island	Petrica asutralis	Not Threatened	
robin/kakaruai	australis		
Rifleman	Acanthisitta chloris	Not Threatened	
	chloris		
Silver Eye	Zosterops lateralis	Not Threatened	
-	lateralis		×
White Heron	Ardea modesta	Nationally	$\mathbf{C}$
		Critical	
Rock Wren	Xenicus gilviventris	Nationally	
	"southern"	Endangered	
Morepork/ruru	Ninox novaeseelandiae	Not threatened	

#### Effect of operation on native species

1080

Studies carried out on native and non-native species suggests 1080 is likely to be toxic to most native animals. There is wide variation in sensitivity between taxonomic groups. Mammals are more sensitive than birds and invertebrates on a weight for weight basis. The small size of many native species relative to the target pests means that toxic baits used for pest control are capable of causing harm to almost any animal that eats the bait.

Non-target effects of 1080 in the New Zealand ecosystem have been studied extensively over the last 20 years. Monitoring shows most native species are not at significant risk from 1080 operations. On-going refinements in the use of 1080 have seen the amount of toxin used per hectare cut by up to 80% over the past twenty years (DOC – 1080 Facts). Some native bird species – in particular kea, weka, tomtits and robins - are known to be susceptible to eating baits and individual birds can die as a result. However, as techniques used in the application and manufacture of bait have improved, the incidents of recorded bird deaths have dropped significantly. Studies also show that the benefits of protecting breeding birds and their nests from predators like rats, stoats and possums strongly outweigh the low rate of mortality recorded for these species.

Kea vulnerability to this type of operation has been monitored through fourteen operations since 2008. 199 birds radio tagged and monitored, 24 kea perished due to 1080 poisoning (2 of this 24 weren't recovered so were not tested). Only 6 of 14 operations monitored experienced Kea mortality. The Department of Conservation has developed and will refine an SOP for conducting operations in the presence of Kea. These SOP's will be applied in the planning and execution of this operation. Fish are not thought to be at risk from 1080 poisoning as they appear very tolerant of 1080 with eels surviving experimental feeding of both toxic baits and poisoned possum flesh.

New Zealand lizards feed mostly on insects and theoretically might be at risk of secondary poisoning. Spurr (1993) found Australian experiments strongly suggest that, given their high tolerance, lizards would not be able to consume enough 1080 in insects or other animals to receive a lethal dose.

Current studies indicate increasing bat populations in both varieties in areas with reduced mammalian pest numbers. Short tailed and long tailed bats were monitored following several aerial 1080 operations (Eglinton valley, Kepler Mountains'), with no adverse effects detected. Populations continued an upward trend.

#### Pindone

Marked differences in species susceptibility to pindone have been reported. As pindone is a first generation anticoagulant, either a very large single dose or repeated smaller doses are generally required to induce death.

#### **Birds**

A number of different birds have been found dead following the aerial distribution of baits containing pindone for rabbit control. Three black-backed gulls and three Australian harriers have been found dead and tested positive for pindone residues following aerial broadcast of RS5 pellets containing pindone for rabbit control in the Mackenzie basin area.

The potential risk to birds of this operation is considered significantly lower as baits will be loaded into bait stations and not broadcast. Some bait may be spilt near stations by rodents or possums, and therefore spilt baits may pose a risk to birds such as robins or kea in the immediate vicinity of the station.

There may be a risk to birds of prey such as ruru, falcons, or harrier hawks succumbing to secondary poisoning after consuming poisoned prey. The low persistence of pindone compared to other anticoagulant rodenticides such a brodifacoum suggests that secondary poisoning risks are lower, although still present.

Ruru/morepork were monitored in the Eglinton Valley between September 2009 and April 2010 which coincided with the period of the 09/10 pindone baiting operation. Twenty-three morepork were fitted with transmitters in Aug-September 2009. Of these there were seven dropped and three failed transmitters; nine of the remaining 13 morepork were alive in

eleas

April 2010. None of the four birds that died had pindone residues or evidence of anticoagulant poisoning- one was hit by a car, one became hooked up by its harness, one died of cancer, and the cause of death of the forth bird is unknown as the body was irretrievable from a deep tree cavity (M Pryde pers. comm.).

#### Bats

Short-tailed bats were monitored through the 2009/10 pindone & Feratox bait station operation in the Eglinton Valley to determine if the baiting had any detrimental effects. Survivorship of PIT tagged bats was high throughout the monitoring period, with 319 of 322 (99%) recorded in the premonitoring period (August) known to be alive in October 2009, and 312 of 322 (97%) known to still be alive in January 2010 (O'Donnell, Edmonds & Hoare, 2011). The low number of rats in the forest due to the successful baiting regime is likely to have contributed to the high bat survival rate recorded by this study. Bats are considered at low risk of poisoning by consuming cereal pellets. Beath et al (2004) investigated the attractiveness of a range of common pest control baits and lures to wild caught short-tailed bats. They concluded that the trial showed that short-tailed bats will sample baits in captivity, however the risk of poisoning may be relatively low in the wild as previous field trials have shown no evidence that short-tailed bats will approach baits under wild conditions.

Lloyd & McQueen (2002) caught 269 short-tailed bats during 11 nights following an aerial 1080 poisoning operation in Rangataua Forest. None of the bats died or displayed any signs of poisoning during the two weeks they were held for. Non-toxic field trials have also been carried out using baits containing a fluorescent tracer dye in Codfish Island by Lloyd (1994). Pellets were distributed over 200 ha, and 76 bats were caught after the operation and no trace of the biomarker was found on the bats or their droppings. Following this, an aerial operation was carried out using cereal pellets containing the second generation anticoagulant brodifacoum to eradicate rats. This operation had no apparent effect on short-tailed bats, with bats being monitored after the drop showing no signs of being poisoned (Sedgelev & Anderson 1994). Further trial undertaken at Wellington Zoo showed no evidence of captive bats consuming cereal baits or carrot (Llovd 1994). From these trials Lloyd concluded that "short-tailed bats populations are unlikely to suffer from direct poisoning by consuming baits."

Performance standards and information needs

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DOC's "Method Best Practice for Battle for our Birds Aerial 1080 baiting" and code of practice on aerial 1080 in Kea habitat as well as DoC's performance standards will be followed in the execution of this contract. All baits will be dyed green as research suggests green is less attractive to birds.

All baits will be cinnamon lured (at listed concentration) as required by code of practice.

Pindone will be being used in a low density possum area.

Pindone will be put out in bait stations which will be detoxed at the completion of the operation.

## Effects on non-target domestic and feral animals

Non-target species

Effects of operation on domestic and feral animals Dogs (*Canis lupis familiaris*) Red deer (*Cervus elaphus*) Chamois (*Rupicara rupicara*)

Dogs are highly vulnerable to 1080 both from scavenging poisoned carcases and consuming baits. The consultation and notification process, along with signage at points of public access, will inform neighbours and users of the forest of the presence of bait.

Dogs are not permitted in this national park.

The toxicity of pindone to different species is highly variable, and animals are generally more susceptible to repeat doses of pindone than a larger single dose. Rabbits are particularly susceptible to pindone, and pindone has been used extensively for rabbit control with both cereal and carrot

	baits.
	Pindone exhibits some insecticidal properties and is expected to be toxic to bees.
	There is a potential risk to domestic dogs either consuming split bait or scavenging possum or rat carcasses. Only permitted dogs will have access within the National Park.
Performance standards and information needs	EcoFX visits and discuses proposed operations with effected land owners and any landowners with strong reservations about supporting the operation will be consulted with in depth to discuss the benefits of the operation. All landowners are signed up for treatment before application on their property.
	High definition aerial photography, NZTM topographical data, and GPS captured data are used with conjunction with in house GIS to develop the aerial treatment boundaries. The resulting boundary will be loaded onto the navigation system of aircraft undertaking bait application to provide real-time DGPS tracking of where aircraft are within the treatment blocks.
	Aerial boundaries will be checked by the Operational Controller prior to sowing of bait by helicopter.
	Pindone will be used in bait stations and these will be detoxed at the completion of the operation.
<b>Further infor</b>	rmation
Further information	Provide any other information or comments you would like to have considered.
S	
References	
The following much	lich ad nofonon and want and in dowalaring this AFF.
• [Broome K.G.,	Fairweather A.A.C. & Fisher P. ] [2010]: [1080] Pesticide
Information R	eview. Version [1.6]. Unpublished report docdm-[25427],
Department of	Conservation, Hamilton NZ. [18-22].

- Fairweather, A.A.C. 2018: Pindone Pesticide Information Review. Version 2018/2. Unpublished report docdm-124982, Department of Conservation, Hamilton, NZ. 49p.
- Robertson H, Dowding J, Elliott G, Hitchmough R, Miskelly C, O'Donnell C, Powlesland R, Sagar P, Scofield P, Taylor G 2013. *New Zealand Threat*

*Classification Series 4.* 22 p. Conservation status of New Zealand birds, 2012.

- Fairweather, A.A.C.; Broome, K.G. 2018: Sodium Fluoroacetate Pesticide Information Review. Version 2018/6. Unpublished report docdm-25427,
- see Released under the Official Information Action of the official information of the

# **Appendix 6:**

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