

Post Operational Report for an Aerial 1080 Operation

Operation Management

Operation Name

Size (ha)

Report Submitted By (Organisation)

Funding Agency

Vector Manager/Operation Manager

Principal Aerial Contractor

Purpose of the Operation

Describe the longer term 'end state' for the treatment area or identify which species are being supported by this operation.

Individual Aerial Treatment Blocks	Individual Treatment Block Name	Size of Treated Area (Ha)
	Haldon, Black Forest (Beacon Hill)	1,700
	Black Forest (Cattle Creek)	232

Territorial Local Authority(s)

Regional Authority (Regional Council)

Permissions, Consultation & Notification

PERMISSIONS / RESOURCE CONSENTS

Permission Authority	Issue date (dd/mm/yy)	Unit/ Office	File reference
MOH	30th June 2008	South Canterbury	2008VTA-216
DOC	N/A		
Regional Council	24th June 2008	Environmet Canterbury	CRC084004

CONSULTATION AND NOTIFICATION TIMELINE

Summarise the approach taken in consultation and notification. Repeat for each communication

Date (dd/mm/yy)	Stakeholder Group	Activity	Method/Tool
26/03/2008	Iwi	Email	Operations and methods approved
5/06/2008	Fish and Game	Email	Operations and methods approved
5/06/2008	Medical	Letter	Informed
5/06/2008	Landowner-adjoning	Letter	Operations and methods approved
5/06/2008	Police	Letter	Informed
5/06/2008	Local government	Letter	Operations and methods approved

DESCRIBE WHAT DIFFERENCES THE CONSULTATION MADE TO THE OPERATIONAL PLAN

No variations, all were happy with the work undertaken and the methods.

Complaints and Incidents

COMPLAINTS REPORTED BY MEMBERS OF THE PUBLIC

Where there any complaints about this operation?

No

INCIDENTS

Were there any incidents resulting from this operation? No

Treatment Block Details

Fill in one page for each individual treatment block. Individual treatment blocks are distinguished by the treatment they receive. If any of the following apply to part of the treatment area, then a separate page should be filled out for that part of the operation: Different application rates, different formulation (i.e. concentration, additives, bait type) different method of application (i.e. fixed wing, helicopter, fixed wing & helicopter on boundaries).

TREATMENT BLOCK 1 (Name) Haldon, Black Forest (Beacon Hill)

Block Size (Ha) 1700

PRE- FEED APPLICATION

	Day 1	Day 2	Day 3
Date(s) of Application (dd/mm/yy)	23&24/6/08	2&3/07/2008	

Type of bait Carrot Baits

Sowing Rate kg bait /Ha

1080 APPLICATION

	Day 1	Day 2	Day 3
Date(s)(dd/mm/yy)	14/07/2008		

Type of bait 1080 Solution (mixed with carrot) -Soluble concentrate containing 200 g sodium fluoroacetate/litre

Common Name of bait 1080 Solution (mixed with carrot)

Target Toxic loading(g 1080/kg bait) 0.02%

Sowing Rate 21.6 kg bait /Ha

Lures added nil

Repellents added nil

Bait Screening (name) n/a

Cutting Machinery (name) Gibson

Was bait quality sampling undertaken? Yes

Results of Sample(g 1080/kg bait) not analysed

Results of Sample(Mean bait size) n/a

Results of Sample(Chaff %) n/a

Bait sampling information is required to be supplied where sampling for bait quality is undertaken for field mixed baits (e.g. Carrots/oats mixed with stock solution). State N/A if sampling is not undertaken.

Average Wind Speed (km/hr) 7 to 11

Wind Direction Southwest

Aircraft type Fixed Wing

Type of Navigational Guidance system used Triple

End of Caution Period (dd/mm/yy) 14/01/09

TREATMENT BLOCK 2 (Name)		Black Forest (Cattle Creek)	
Block Size (Ha)	232		
PRE- FEED APPLICATION			
Date(s) of Application (dd/mm/yy)	Day 1	Day 2	Day 3
	24/06/08	3/07/08	
Type of bait	Carrot Baits		
Sowing Rate	17	kg bait /Ha	
1080 APPLICATION			
Date(s)(dd/mm/yy)	Day 1	Day 2	Day 3
	14/07/08		
Type of bait	1080 Solution (mixed with carrot) -Soluble concentrate containing 200 g sodium fluoroacetate/litre		
Common Name of bait	1080 Solution (mixed with carrot)		
Target Toxic loading(g 1080/kg bait)	0.02%		
Sowing Rate		kg bait /Ha	
Lures added	nil		
Repellents added	nil		
Bait Screening (name)	n/a		
Cutting Machinery (name)	Gibson		Bait sampling information is <u>required</u> to be supplied where sampling for bait quality is undertaken for field mixed baits (e.g. Carrots/oats mixed with stock solution). State N/A if sampling is not undertaken.
Was bait quality sampling undertaken?	Yes		
Results of Sample(g 1080/kg bait)	not analysed		
Results of Sample(Mean bait size)	n/a		
Results of Sample(Chaff%)	n/a		
Average Wind Speed (km/hr)	7 to 11		
Wind Direction	Southwest		
Aircraft type	Fixed Wing		
Type of Navigational Guidance system used	Trible		
End of Caution Period (dd/mm/yy)	14/01/09		

Monitoring Results and Outcomes

EFFECTS OF THE OPERATION ON WATER QUALITY

Was water quality monitoring *required* to be undertaken? No

Was water quality monitoring undertaken? No

Did any of the results detect 1080 at more than 2ppb?

Date data will be available (dd/mm/yy) (if not included)

Effect of the operation for water quality (comment) No effects noted

EFFECTS ON SPECIES TARGETED FOR THE OPERATION

List target animal pest species at the treatment area. Use common names where possible.

Target Species

Common Name	Scientific Name (if no common name)
Rabbit	

Was target species monitoring undertaken? No

Are the target species monitoring results attached?

Date data will be available (dd/mm/yy) (if not included)

Effectiveness of the operation for species monitored (comment) no official monitoring required. Visual inspection of area carried out post operation, indicating a very good result, with rabbit levels in the operational area reduced to level 1-2 on the Mclean Scale.

EFFECTS ON SPECIES TO BENEFIT FROM THE OPERATION

List the species at risk that prompted the control work. Use common names where possible.

Species to Benefit from the Operation

Common Name	Scientific Name (if no common name)
Domestic Stock	

Was monitoring of species to benefit undertaken? No

Are the target species monitoring results attached? n/a

Date data will be available (dd/mm/yy) (if not included) n/a

Effectiveness of the operation for species monitored (comment) n/a

EFFECTS OF THE OPERATION ON THREATENED SPECIES

List of identified threatened species present

List threatened species at the treatment area according to Molloy et al 2002. Use common names where possible. If Non-target species have not been identified - state **NOT IDENTIFIED**

Common Name	Scientific Name (if no common name)
Not Identified	

Was threatened species monitoring undertaken? No

Are threatened species monitoring results attached? n/a

Date data will be available (dd/mm/yy) (if not included) n/a

Effectiveness of the operation for species monitored
(comment)

EFFECTS OF THE OPERATION ON NON-TARGET SPECIES

List of identified non-target species

List ALL significant species identified as potentially at risk from the control method (including threatened and non-threatened). Use common names where possible. If Non-target species have not been identified - state **NOT IDENTIFIED**

Common Name	Scientific Name (if no common name)
Not Identified	

Was non- target species monitoring undertaken? No

Are non-target species monitoring results attached? n/a

Date data will be available (dd/mm/yy) (if not included) n/a

Effectiveness of the operation for species monitored
(comment) n/a

MONITORING OF KEY SPECIES FOR MAORI

List of identified taonga species for Maori

List key species identified by maori during operational consultation as being of concern for the control method. Use common names where possible. If species have not been identified as Taonga during consultation - state **NOT IDENTIFIED**

Common Name	Maori name
Not identified	

Was Taonga Species monitoring undertaken? No

Are Taonga species monitoring results attached? No

Date data will be available (dd/mm/yy) (if not included) n/a

Effect of the operation on species monitored (comment) n/a