

Post Operational Report for an Aerial 1080 Operation

Operation Management

Operation Name Hurunui Bluff Road Rabbit Control

Size (ha) 1499ha

Report Submitted By (Organisation) Excell Corporation

Date Submitted (dd/mm/yy) 30.9.08

Funding Agency Private

Vector Manager/Operation Manager Excell Biosecurity

Principal Aerial Contractor Excell Biosecurity

Purpose of the Operation Rabbit Control

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)**

Foxdown	84ha
Mt Benger	479ha
Glenburn	143ha
Mt Alexander	63ha
Scargill Hills	42ha
Maxwelton	130ha
Viticulture Management	51ha
Hitchen Hills	104ha
Farmer Palmer Enterprises	218ha
Lilburn	185ha

Territorial Local Authority(s)

North Island	South Island
	Hurunui District Council

Regional Authority (Regional Council) Environment Canterbury

Permissions, Consultation & Notification

PERMISSIONS / RESOURCE CONSENTS

Permission Authority	Issue date (dd/mm/yy)	Unit/ Office	File reference
MOH	18.6.2008	Community & Public Health Christchurch	2008VTA-205
DOC	n/a		
Regional Council	22.5.2008	Environment Canterbury Resource Consent Section	CRC084354

CONSULTATION AND NOTIFICATION TIMELINE

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

<== If you need to add more activities, right click here and select 'insert' from the drop down list

Date (dd/mm/yy)	Stakeholder Group	Activity	Method/Tool
1-Jun-08	Community information	Public Notice	The Press
1-Jun-08	Education	Facts Pack and/or pamphlets	
1-Jun-08	Medical	Facts Pack and/or pamphlets	
1-Jun-08	Animal care	Facts Pack and/or pamphlets	Veterinary clinics in the area
1-Jun-08	Fish and Game	Facts Pack and/or pamphlets	
1-Jun-08	Police	Facts Pack and/or pamphlets	
1-Jun-08	Hunting	Facts Pack and/or pamphlets	Canterbury Pet Foods
23-Jun-08	Landowner-adjointing	Phone Call	Advising of operation. Fact packs/letters also sent
25-Jun-08	Police	Phone Call	notification of bait application

DESCRIBE WHAT DIFFERENCES THE CONSULTATION MADE TO THE OPERATIONAL PLAN

No Change

Complaints and Incidents

COMPLAINTS REPORTED BY MEMBERS OF THE PUBLIC

Where there any complaints about this operation?

INCIDENTS

Were there any incidents resulting from this operation?

Treatment Block Details

TREATMENT BLOCK 1 (Name) Foxdown

Block Size (Ha)

PRE- FEED APPLICATION

	Day 1	Day 2	Day 3
Date(s) of Application (dd/mm/yy)	9/07/08	15/07/08	

Type of bait

Sowing Rate kg bait /Ha

1080 APPLICATION

	Day 1	Day 2	Day 3
Date(s)(dd/mm/yy)	21/07/08		

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)

Sowing Rate kg bait /Ha

Lures added

Repellents added

Bait Screening (name)

Cutting Machinery (name)

Was bait quality sampling undertaken?

Results of Sample(g 1080/kg bait)

Results of Sample(Mean bait size)

Results of Sample(Chaff %)

Average Wind Speed (km/hr)

Wind Direction

Aircraft type

Type of Navigational Guidance system used

End of Caution Period (dd/mm/yy)

TREATMENT BLOCK 2 (Name)

Mt Bengier

Block Size (Ha) 479ha

PRE- FEED APPLICATION

Date(s) of Application (dd/mm/yy)	Day 1	Day 2	Day 3
	9.7.08	15.7.08	

Type of bait Carrot Baits

Sowing Rate 20 kg bait /Ha

1080 APPLICATION

Date(s)(dd/mm/yy)	Day 1	Day 2	Day 3
	21.7.08		

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 20 kg bait /Ha

Lures added nil

Repellents added nil

Bait Screening (name) nil

Cutting Machinery (name) Gibson

Was bait quality sampling undertaken? Yes

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

Results of Sample(Mean bait size) n/a

Results of Sample(Chaff %) n/a

Average Wind Speed (km/hr) 1 to 6

Wind Direction West

Aircraft type Fixed Wing

Type of Navigational Guidance system used Trimble 4

End of Caution Period (dd/mm/yy) 21.12.08

TREATMENT BLOCK 3(Name)		Glenburn	
Block Size (Ha)	143ha		
PRE- FEED APPLICATION			
Date(s) of Application (dd/mm/yy)	Day 1	Day 2	Day 3
	9.7.08	15.7.08	
Type of bait	Carrot Baits		
Sowing Rate	20	kg bait /Ha	
1080 APPLICATION			
Date(s)(dd/mm/yy)	Day 1	Day 2	Day 3
	21.7.08		
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	20	kg bait /Ha	
Lures added	nil		
Repellents added	nil		
Bait Screening (name)	nil		
Cutting Machinery (name)	Gibson		
Was bait quality sampling undertaken?	Yes		
Results of Sample(g 1080/kg bait)	not tested		
Results of Sample(Mean bait size)	n/a		
Results of Sample(Chaff %)	n/a		
Average Wind Speed (km/hr)	1 to 6		
Wind Direction	West		
Aircraft type	Fixed Wing		
Type of Navigational Guidance system used	Trimble 4		
End of Caution Period (dd/mm/yy)	21.12.08		

TREATMENT BLOCK 4 (Name)

Mt Alexander

Block Size (Ha) 63ha

PRE- FEED APPLICATION

Date(s) of Application (dd/mm/yy)	Day 1	Day 2	Day 3
	9.7.08	15.7.08	

Type of bait Carrot Baits

Sowing Rate 20 kg bait /Ha

1080 APPLICATION

Date(s)(dd/mm/yy)	Day 1	Day 2	Day 3
	21.7.08		

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 20 kg bait /Ha

Lures added nil

Repellents added nil

Bait Screening (name) nil

Cutting Machinery (name) Gibson

Was bait quality sampling undertaken? Yes

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

Results of Sample(Mean bait size) n/a

Results of Sample(Chaff %) n/a

Average Wind Speed (km/hr) 1 to 6

Wind Direction West

Aircraft type Fixed Wing

Type of Navigational Guidance system used Trimble 4

End of Caution Period (dd/mm/yy) 21.12.08

TREATMENT BLOCK 5 (Name)

Scargill Hills

Block Size (Ha) 42ha

PRE- FEED APPLICATION

Date(s) of Application (dd/mm/yy)	Day 1	Day 2	Day 3
	9.7.08	15.7.08	

Type of bait Carrot Baits

Sowing Rate 20 kg bait /Ha

1080 APPLICATION

Date(s)(dd/mm/yy)	Day 1	Day 2	Day 3
	21.7.08		

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) 20 kg bait /Ha

Lures added nil

Repellents added nil

Bait Screening (name) nil

Cutting Machinery (name) Gibson

Was bait quality sampling undertaken? Yes

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

Results of Sample(Mean bait size) n/a

Results of Sample(Chaff %) n/a

Average Wind Speed (km/hr) 1 to 6

Wind Direction West

Aircraft type Fixed Wing

Type of Navigational Guidance system used Trimble 4

End of Caution Period (dd/mm/yy) 21.12.08

TREATMENT BLOCK 6 (Name)

Lilburn

Block Size (Ha)

185ha

PRE- FEED APPLICATION

Date(s) of Application (dd/mm/yy)	Day 1	Day 2	Day 3
	9.7.08	15.7.08	

Type of bait Carrot Baits

Sowing Rate 20 kg bait /Ha

1080 APPLICATION

Date(s)(dd/mm/yy)	Day 1	Day 2	Day 3
	21.7.08		

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 20 kg bait /Ha

Lures added nil

Repellents added nil

Bait Screening (name) nil

Cutting Machinery (name) Gibson

Was bait quality sampling undertaken? Yes

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

Results of Sample(Mean bait size) n/a

Results of Sample(Chaff %) n/a

Average Wind Speed (km/hr) 1 to 6

Wind Direction West

Aircraft type Fixed Wing

Type of Navigational Guidance system used Trimble 4

End of Caution Period (dd/mm/yy) 21.12.08

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? No

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

Effect of the operation for water quality (comment)

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? No

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

Effectiveness of the operation for species monitored (comment)

Formal monitoring not required or undertaken. Visual inspection of the area following the operation indicates good success over area of control with rabbits reduced to level 1-2 on the modified 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?

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

Effectiveness of the operation for species monitored (comment)

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?

Are threatened species monitoring results attached?

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

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?

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

Effectiveness of the operation for species monitored
(comment)

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?

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

Effect of the operation on species monitored (comment)