



# *West Coast District Health Board*

## *Te Poari Hauora a Rohe o Tai Poutini*

Corporate Office  
High Street, Greymouth

Telephone 03 768 0499  
Fax 03 768 2791

2 March 2020

9(2)(a)

### **RE Official Information Act request WCDHB 9391**

I refer to your email dated 17 December 2019 and received by this office on 30 January 2020 requesting the following information under the Official Information Act from West Coast DHB. Specifically, regarding 1080.

- 1. Please provide copies of applications received by the DHB from Department of Conservation that sought permission to use Vertebrate Toxic Agents in the Te Maruia, Inangahua, and Buller catchments for the period around September-November 2019.**

There were no applications for permission to use 1080 by aerial application in any of the above areas received in the period around September-November 2019. However, there were two earlier applications for the use of aerial 1080 in these areas:

- a) Application made on 15<sup>th</sup> May 2019 by the Department of Conservation to use 1080 by aerial application in the Te Maruia area from 1<sup>st</sup> July 2019. This operation took place on and about the 25<sup>th</sup> July 2019
- b) Application made on 19<sup>th</sup> March 2019 by Vector Control Services Ltd to use 1080 by aerial application in the area called Inangahua East and West from 1<sup>st</sup> May 2019. This operation took place on and about the 1<sup>st</sup> November 2019

Copies of both these applications received by Community and Public Health, West Coast, are attached.

- 2. Please provide copies of the permissions granted by the DHB (Public Health HSNO Enforcement Officer) in response to these applications, together with the conditions of permission imposed by the DHB.**

- a) Permission for the Te Maruia operation above (EPA code 19/1206/CB/GRYPH) was originally granted on 2<sup>nd</sup> July 2019. Before the operation was carried out, the applicant sought permission to vary the proposed application rate of the toxin. As a result, the original permission was revoked and a new one (EPA code 19/1228/CB/GRYPH) was issued on the 16<sup>th</sup> August 2019. I have attached a copy of the latter as the conditions contained in it were those which applied when the operation was carried out in early November 2019
- b) Permission for the Inangahua East and West operation was granted on the 29<sup>th</sup> April 2019. A copy is attached.

Please note that the attached permission documents contain all the conditions which were imposed on these operations by the issuing HSNO Officer.

- 3. The VTA permission application form states: "Have you provided evidence to demonstrate compliance with the requirements of ERMA NZ's Communication Guidelines for Aerial 0180 operations?" Please provide copies of the evidence of compliance which accompanied the applications for permission.**

Sections B and C of each of the VTA permission applications referred to above contain information about the consultation carried out by the operator. In addition, both operators provided copies of their communication logs. These logs include the names, addresses and contact details of many individuals, so your request for this information is declined pursuant to Section 9(2)(a) ...to protect the privacy of natural persons.

**4. Please state how the Public Health HSNO Enforcement Officer verified the statements made by the applicant. Or did the DHB officer accept the statements at face value?**

The Public Health HSNO Enforcement Officers who assessed the applications reviewed all the documentation provided by both applicant in support of the statements made in Section B of their applications. Community and Public Health has in-house procedures for the assessment and issue of VTA permissions, including peer review of risk assessment and draft permissions by another Public Health HSNO Officer.

**5. Did the Public Health HSNO Enforcement Officer or other DHB officer attend and observe the operation?**

No. Neither of the operations were subject to a field audit.

**6. The West Coast DHB gave permission for a poisoning operation that has appalled the public. Marine creatures harvested by the public were found dead amongst poisoned rats at the mouth of the Buller river, indicating that human health was not protected by the DHB's conditions of permission. Do you consider that the DHB should not be party to permitting the use of Vertebrate Toxic Agents which have the capacity to harm human health by the way they are being used?**

Your question regarding the DHB requests an opinion, rather than official information and, as such, is declined.

By way of clarification, the West Coast District Health Board does not issue permissions for VTA operations. These permissions are issued by Public Health HSNO Enforcement Officers. These officers are designated officers of the Ministry of Health and the power to issue permissions under s95A of the Hazardous Substances and New Organisms Act (1996) is delegated to them by the Ministry of Health.

Please note we have withheld and redacted information pursuant to section 9(2)(a) of the Official Information Act i.e. *"....to protect the privacy of natural persons, including those deceased"*.

I trust that this satisfies your interest in this matter.

You may, under section 28(3) of the Official Information Act, seek a review of our decision to withhold information by the Ombudsman. Information about how to make a complaint is available at [www.ombudsman.parliament.nz](http://www.ombudsman.parliament.nz); or Freephone 0800 802 602.

Please note that this response, or an edited version of this response, may be published on the West Coast DHB website after your receipt of this response.

Yours sincerely



Carolyn Gullery  
**Executive Director**  
**Planning, Funding & Decision Support**

## APPLICATION FOR A HEALTH PERMISSION FOR THE USE OF VERTEBRATE TOXIC AGENT(S) (VTAs) AND OTHER HAZARDOUS SUBSTANCE(S)

### Hazardous Substances and New Organisms Act 1996 (HSNO)

This application is to be used when applying for a Health permission to use a vertebrate toxic agent or any other **hazardous substance**<sup>1</sup> approved under the HSNO Act, for which a Health permission is required under section 95A of the HSNO Act.

A Health permission is issued by a person acting under powers delegated by the Environmental Protection Authority (“the delegated person”).s

### Guidance

The applicant is required to provide information to assess possible exposure pathways to enable HSNO enforcement officers to assess public health risk. The form has suggested prompts to ensure that potential routes of exposures are identified and subsequently public health risks are managed. Complete all of the sections. If a section is not relevant, return the section as part of the completed application form and write “not applicable” across it.

Prepared by: 9(2)(a)

Signature:

Date:

Return this application to the contact person below.

### LOCAL PUBLIC HEALTH CONTACT:

<sup>1</sup> Hazardous substances requiring Health permissions refer to substances listed in Schedule 1 of the Environmental Protection Authority's Instrument of Delegation. These are: sodium fluoroacetate (1080), sodium cyanide, potassium cyanide, yellow phosphorous, 3-chloro-p-toluidine-hydrochloride, microencapsulated zinc phosphate paste, Advion® fire ant bait, Amdro® fire ant bait, Campaign® ant bait.

## Guidance for Applicants

### **Hazardous Substances and New Organisms (HSNO) Act and Health and Safety at Work (HSW) (Hazardous Substances) Regulations 2017 Requirements for VTAs and Other Hazardous Substances**

The requirements specified under the HSNO Act, its regulations, EPA notices, and approvals for hazardous substances granted under the HSNO Act and HSW (Hazardous Substances) Regulations are requirements which must be met. Where a Health permission for VTAs and other hazardous substances use is granted by a person acting under a delegation from the Authority, they may impose additional conditions to address local circumstances.

The current HSNO Approvals for hazardous substances can be found by searching the register on the Environmental Protection Authority (EPA) website, at:

<http://www.epa.govt.nz/search-databases/pages/controls-search.aspx>

### **Consultation Required in Managing Public Health Risk Prior to Aerial Application of Sodium Fluoroacetate (1080)**

Consultation is a key risk mitigation tool for aerial 1080 operations. You need to provide sufficient evidence to satisfy the HSNO enforcement officer that your consultation has met the requirements of ERMA New Zealand's (now EPA) Communication Guidelines for Aerial 1080 Operations before a permission can be issued.

The Communication Guidelines for Aerial 1080 Operations can be found on the EPA website at:

<http://old.epa.govt.nz/Publications/ERMA-1080-Guidelines.pdf>

Note:

- 1) You can provide copies of communication logs as evidence of consultation, rather than repeating this evidence in this application.
- 2) The evidence needs to be sufficient to satisfy the HSNO enforcement officer that potential risks to public health have been identified and can be avoided, remedied or mitigated.

If you are uncertain about the level of consultation required, or the evidence required of such consultation in managing public health risk, discuss this with your local Public Health Unit (PHU).

### **Food Safety Considerations**

The Ministry of Primary Industries (MPI) is the regulatory agency concerning food safety. Discuss with MPI if there are food safety risks relating to a particular substance that are not being adequately managed through the food safety system.

### **Other Relevant Legislation**

It is the responsibility of the applicant to ensure compliance with all relevant legislation including, but not limited to, Food Act 2014, Animal Products Act 1999, Agriculture Compounds and Veterinary Medicines Act 1997, Resource Management Act 1991, Land Transport Act 1998, Biosecurity Act 1993, and the Conservation Act 1987.

## APPLICATION FOR A HEALTH PERMISSION TO USE A VERTEBRATE TOXIC AGENT (VTA) AND OTHER HAZARDOUS SUBSTANCES

### (Pursuant to section 95A of the Hazardous Substances and New Organisms Act 1996)

**Explanatory Note:** An application is submitted by a “person”, for example a corporation, company, incorporated societies, trusts, principal agency, contractor or subcontractor as well as named individual. It also includes the Crown (e.g. the Department of Conservation). An applicant for a Health permission does not need to hold a Controlled Substance Licence (CSL). Note that you must be a CSL holder to be able to possess Vertebrate Toxic Agents (VTAs) as required under the Health and Safety at Work (Hazardous Substances) Regulations 2017.

**Note:** Complete Section D if field operations are to be subcontracted to another individual/organisation.

<b>Full Name of Applicant:</b> <i>(This is the ‘person’ to whom the permission will be issued)</i>	Department of Conservation – Greymouth Area Office		
<b>Contact Person (if applicable):</b>	9(2)(a)		
<b>Applicant Contact Details:</b> <i>(Physical and postal address, telephone, cell phone, fax, e-mail)</i>	17 High Street PO Box 370 Greymouth 9(2)(a)		
<b>Controlled Substances Licence/s (CSL)</b> <i>Provide CSL details of either the applicant, or at least one person employed by the applicant to undertake the operation:</i>			
<b>CSL No:</b>	9(2)(a)		
<b>Name on CSL:</b>	9(2)(a)		
<b>Expiry Date:</b>	03.05.2021		
<b>CSL covers VTA(s) relevant to application:</b>	Sodium fluoroacetate		
<b>Operational Period</b> <i>Note: A Health permission will be issued to the applicant for a maximum period of 12 months. Where an operation extends past 12 months, the applicant must apply for a new permission.</i>			
<b>Start date:</b>	1 July 2019	<b>Finish date:</b>	1 March 2020
<b>Operation</b>			
<b>Operation name:</b>	Te Maruia		
<b>Operation locality:</b>	Lewis Pass - Springs Junction - Maruia		
<b>Territorial local authority <sup>2</sup>:</b>	Buller District Council		
<b>Total operation size (ha):</b>	70, 330 ha		
<b>Previous operations:</b> <i>If the applicant has carried out an earlier operation, provide date of operation and application identification code.</i>	Lewis Pass aerial 2009 and 2012 [Unable to locate original application as these have been filed as historic documents]. Te Maruia – 2014 [14/805/GRYPH/CB AND 14/806/GRYPH/CB], 2016 [16/979/GRYPH/CB & 16/978/GRYPH/CB]		

<sup>2</sup> District council, city council or unitary authority

VTA or Hazardous Substance Information																																		
<b>VTA or Hazardous substance</b> <i>Sodium fluoroacetate</i>	<b>Strength</b> <i>e.g. 475 g/kg</i> 0.15 g/kg	<b>Form</b> <i>Cereal pellet</i>	<b>Application rate</b> (for aerial operations) 1.5 kg/Ha	<b>Purpose</b> <i>Rodent control</i>																														
<b>HSNO Approval Number</b> (e.g. <i>HSR002424</i> ):																																		
<b>Start Date of Application:</b> <i>1 July 2019</i>			<b>Last Date of Application:</b> <i>1 December 2019</i>																															
<b>Specify all application methods to be used for the hazardous substance:</b> Treatment area size (ha): <i>70,330</i> Methods to be used (tick applicable box): <table border="0" style="width: 100%;"> <thead> <tr> <th></th> <th>Yes</th> <th>No</th> <th></th> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td>• Aerial</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td>• Bait stations and bags:</td> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>• Hand broadcast</td> <td><input checked="" type="checkbox"/></td> <td><input type="checkbox"/></td> <td><i>State heights of bait stations/bags:</i></td> <td></td> <td></td> </tr> <tr> <td>• Turf spits/direct to ground</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td><i>Types of bait stations/bags used:</i></td> <td></td> <td></td> </tr> <tr> <td>• Other control methods:</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> Describe briefly below:						Yes	No		Yes	No	• Aerial	<input checked="" type="checkbox"/>	<input type="checkbox"/>	• Bait stations and bags:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	• Hand broadcast	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>State heights of bait stations/bags:</i>			• Turf spits/direct to ground	<input type="checkbox"/>	<input type="checkbox"/>	<i>Types of bait stations/bags used:</i>			• Other control methods:	<input type="checkbox"/>	<input type="checkbox"/>			
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• Other control methods:	<input type="checkbox"/>	<input type="checkbox"/>																																

## SECTIONS A TO M

Complete all relevant sections that apply to this application. Tick the “yes/no” or not applicable (N/A) boxes below. Ensure you return all sections with this application. If a section is not relevant, write “not applicable” across it.

*Note that different hazardous substances may require varying levels of detail to be provided with the section. Similarly, aerial and ground operations will have different information requirements.*

Page No.	Section: Reference A to M		Information attached Tick applicable box			Office use only
General			YES	NO	N/A	
6	A	Operational Maps/Lists	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	B	Community Consultation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	C	Consultation with Maori	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	D	Operation Delivered by Subcontractor	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>For Aerial 1080 operations:</b> Does the consultation described in sections B & C meet the requirements of the Communication Guidelines for Aerial 1080 Operations?			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Excluded Areas</b>						
11	E	Drinking Water Supplies	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	F	Dwellings, Adjacent Landowners/Residents	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	G	Areas Easily Accessible or Used by the Public	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	H	Publicly Accessible Roads	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	I	Walking/Biking/Off-Road Tracks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	J	Areas to be Inspected	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Risk Communication</b>						
19	K	Schools and Early Childhood Education Centres	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	L	Notifications	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	M	Notice Boards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>For Aerial 1080 operations:</b> Does the consultation described in sections F, K, L & M meet the requirements of the Communication Guidelines for Aerial 1080 Operations?			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## SECTION A: OPERATIONAL MAPS/LISTS

The use of the maps is to provide sufficient specific information for this operation.

- **Provide a description of the operational area.** Include here the name of the area/reserve, and the name(s) of the landowner(s) (if no more than 10), clearly noting public and private land ownership.
- Operational maps (hardcopy or electronic) should provide an adequate level of detail. A number of map options are available e.g. topographical (e.g. NZS 260 series or Topo 50 Series), GIS (geographic information systems), and electronic shape file if the relevant public health unit has facilities to use these.
- **Include:**
  - total area of ground control \_\_\_\_\_ ha
  - total area of aerial control \_\_\_\_\_ ha
  - territorial local authority(s)
  - direction and distance to nearest town
- If using more than one hazardous substance, show on the map where each hazardous substance will be applied. The use of different colours or a colour code for different hazardous substances may help.
- **Attach 2 copies of operational maps:** More than one map may be needed to include all the information. Use maps of different scales if necessary. A copy of the map (including any necessary changes) will be returned to you and form part of the Health permission conditions. A copy will be kept as a record by the public health unit (hard copy or electronically). The PHU may choose to produce their own maps to go with the Health permission. Check with the relevant PHU if unsure.
- **Identify** the following on your map(s) by using a colour code, a number code or similar:

### REFER TO SECTIONS (letters in brackets refer to corresponding sections in form)

- |  |   |
|--|---|
| • Community halls & churches               | G |
| • Marae                                    | G |
| • Drinking water catchments and intakes    | E |
| • Dwellings, adjacent landowners/residents | F |

*(Note: a list, including name and addresses, is acceptable if more than 10)*

- |  |   |
|--|---|
| • Huts, bivvies/shelters   | G |
| • Camping sites and picnic areas   | G |
| • Public roads and lay-bys   | G |
| • Watercraft landing points  | G |
| • Helicopter landing pads  | G |
| • Popular swimming and fishing access points                                       | G |
| • School bus shelters  | G |
| • Historical/memorial tourist sites  | G |
| • Urupa/cemeteries   | G |
| • Recreational & amenity facilities (e.g. golf course, wedding or sporting venues) | G |
| • Other outdoor activities gathering sites (e.g. caving, orienteering etc.)        | G |
| • Walking/biking/off-road tracks   | I |
| • Schools and Early Childhood Education Centres                                    | K |
| • Notice boards  | M |

**PHU: Operational maps attached and meet requirements (2 copies unless PHU advised otherwise)**

☐ (For official use)



## SECTION B: COMMUNITY CONSULTATION

Consultation is the process of extending a genuine invitation to interested and affected parties to express their views, and provides a means of addressing their concerns.

Do you expect any public concern about this operation?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
<p>If yes, describe the nature of the concern:</p> <p><b><i>There is opposition to the use of aerially applied toxin both at a local level in the valley as well as across the broad regional community and from a national perspective actively on social media.</i></b></p> <p>If no, on what is this assessment based?</p> <p>What is the source of your information?</p> <p><b><i>Consultation and knowledge of social media outlet information.</i></b></p> <p><b>Consultation with Community Groups</b></p> <p>What community groups did you consult with in relation to this application?</p> <p>Name the individuals/groups consulted:</p> <p>Detail what, if any, concerns these individuals/groups identified:</p> <p>How are you planning to avoid, mitigate or remedy any adverse effects identified by these individuals/groups?</p> <p>Attach any evidence of the consultation (correspondence, minutes of meetings, record of phone calls, etc):</p> <p><i>If you have not consulted any community groups about this application, ask the resource consent planner at your local council to help identify the appropriate groups to contact.</i></p>						
<p><b>Aerial 1080 Operations</b></p> <p><b><i>You must provide sufficient evidence to demonstrate that consultation <b>in managing public health risk</b> prior to aerial 1080 operations have met the requirements of ERMA NZ's (now EPA) Communication Guidelines for Aerial 1080 Operations.</i></b></p> <p><b><i>You can provide copies of communication logs as evidence, rather than repeating this evidence here.</i></b></p> <table border="1"> <tr> <td>Have you provided evidence to demonstrate compliance with the requirements of ERMA NZ's (now EPA) Communication Guidelines for Aerial 1080 Operations?</td> <td><input checked="" type="checkbox"/> Yes</td> <td><input type="checkbox"/> No</td> </tr> </table> <p>If you have not followed these guidelines, please explain in detail your justification for not meeting these requirements:</p>				Have you provided evidence to demonstrate compliance with the requirements of ERMA NZ's (now EPA) Communication Guidelines for Aerial 1080 Operations?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Have you provided evidence to demonstrate compliance with the requirements of ERMA NZ's (now EPA) Communication Guidelines for Aerial 1080 Operations?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No				

## SECTION C: CONSULTATION WITH MAORI

When consulting with Maori, you need to take into account Section 6(d) of the HSNO Act: “The relationship of Maori and their culture and traditions with their ancestral lands, water, sites, waahi tapu, valued flora and fauna, mahinga kai, and other taonga”.

**List Maori groups (iwi/hapu/marae/whanau) and individuals did you consult with in relation to this application?**

Ngati waewae

Identify what, if any, concerns these individuals and groups identified:

Ngati Waewae fully supports this operation

How are you planning to avoid, mitigate or remedy any adverse effects identified by these individuals/groups?

Have you marked any Marae inside, or within 3km (aerial) or 200m (ground) of the operational area on your Section A map?

N/A

Attach evidence of the consultation (correspondence, minutes of meetings, record of phone calls, etc):

Email attached

*If you have not consulted the Maori community about this application, ask the resource consent planner at your local council to help identify the appropriate groups to contact.*

### Aerial 1080 Operations

**You must provide sufficient evidence to demonstrate that consultation *in managing public health risk* prior to aerial 1080 operations have met the requirements of ERMA NZ's (now EPA) Communication Guidelines for Aerial 1080 Operations.**

**You can provide copies of communication logs as evidence, rather than repeating this evidence here.**

Have you provided evidence to demonstrate compliance with the requirements of ERMA NZ's (now EPA) Communication Guidelines for Aerial 1080 Operations?

☒ Yes

☐ No

If you have not followed these guidelines, please explain in detail your justification for not meeting these requirements:

## SECTION D: OPERATION DELIVERED BY SUBCONTRACTOR

<b>Full name of subcontractor:</b>  <b>Company (legal entity title) /Organisation:</b>	Controlled Substance Licence #:  Date of Expiry:  Does the licence cover the hazardous substance they intend to use?  Yes <input type="checkbox"/> No <input type="checkbox"/>		
List the work experience the subcontractor has with the hazardous substances to be used:			
Contact details of the subcontractor (address, postal address, telephone, cell phone, facsimile, e-mail):			
Signature of applicant: _____			
<b>Chain of responsibility – Complete as applicable to this operation</b>  <b>Note:</b> It is now common practice for pesticide operations to be subcontracted to other agencies. All agencies involved have responsibilities to ensure the safe use of hazardous substances. Any subcontracting arrangements must be documented.  <b>Example:</b> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <u>Agency/Authority</u>            Principal Agency (TBFree/OSPRI, DoC)            Contractor (Local Authority)            Subcontractor (Name of approved operator)         </td> <td style="width: 50%; vertical-align: top;"> <u>Area of Responsibility</u>            e.g. Control of Bovine TB, Conservation, etc.            e.g. Contracted by TBFree/OSPRI            e.g. Field operations         </td> </tr> </table>		<u>Agency/Authority</u> Principal Agency (TBFree/OSPRI, DoC) Contractor (Local Authority) Subcontractor (Name of approved operator)	<u>Area of Responsibility</u> e.g. Control of Bovine TB, Conservation, etc. e.g. Contracted by TBFree/OSPRI e.g. Field operations
<u>Agency/Authority</u> Principal Agency (TBFree/OSPRI, DoC) Contractor (Local Authority) Subcontractor (Name of approved operator)	<u>Area of Responsibility</u> e.g. Control of Bovine TB, Conservation, etc. e.g. Contracted by TBFree/OSPRI e.g. Field operations		
<b>Agency/Authority</b>	<b>Area of Responsibility</b>		
<b>Principal Agency</b>			
<b>Contractor:</b>			
<b>Subcontractor:</b>			
Have you attached a copy of the documentation confirming subcontracting arrangements?	<input type="checkbox"/> Yes <input type="checkbox"/> No		

**PHU: Documentation showing subcontracting arrangements attached.**

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## SECTION E: DRINKING WATER SUPPLIES

The intent of this section is to minimise the risk of people drinking water contaminated with hazardous substances.

A **drinking water supply**<sup>3</sup> includes the area from which water is likely to be taken for use as drinking water for human consumption. This includes surface water and ground water extraction points as well as water supply reservoirs, treatment plants and storage facilities. The nature and size of water supplies can vary significantly from large networked supplies through to smaller individual supplies serving a varying number of people.

**Drinking water supplies may include schools, early childhood education centres, community halls, Marae, publically accessible huts/shelters, camping sites, cities/towns/villages, individual households, etc.**

Information on many drinking water supplies in your proposed area of operation can be found from the Drinking-water Register for New Zealand: <http://www.esr.cri.nz/water-science/our-services/drinking-water/register-of-suppliers/>; local authority water abstraction consent information, online district maps, and other of information.

### Note: Map References

Provide topographical NZMS grid references below. Provide references for all water supply intakes you have marked on your attached operational map (Section A). All locations shall be obtained using at least a GPS unit set up for use in New Zealand and using projection NZTM 2000 (New Zealand Transverse Mercator).

### Locations of intakes of drinking water for hazardous substance operations:

#### Aerial 1080 Operations

List drinking water supply intakes **within the operational area** or **within 3 kilometres of the boundary** of the operational area for where the source water has arisen within the operational area (add new entries for each supply as required):

- Due to the high number of water supplies associated with this operation, the listings have all been complied to a single spreadsheet with ground and aerial information required included. This was spoken about with local officers who approved this approach at the West Coast office.

Are all listed drinking water supply intakes marked on the topographical map (Section A)?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Have you physically inspected all drinking water supply intake locations with the owner/drinking water supplier to ensure that location of the supply as detailed in this application form is correct?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

**Note:** For all other non VTA aerial and ground hazardous substances covered by this application form, it is at the discretion of the HSNO enforcement officer what appropriate exclusion distance is to be set. The distance will depend on the officer's risk assessment.

<sup>3</sup> This broad definition allows for the identification of drinking water supplies covered by the proposed operation.

## SECTION F: DWELLINGS, ADJACENT LANDOWNERS/RESIDENTS

Have you attached an up-to-date list (or identified on the Section A map if no more than 10 in total of each) of all dwellings, adjacent landowners/residents associated with the operational area? Yes ☒ No ☐

Have you attached a copy of the information provided to dwellings inside the operational area, and adjacent landowners/residents of the operational area? Yes ☒ No ☐

How will you ensure that VTA and /or other hazardous substance baits are not applied near occupied dwellings?

*All known dwellings are outside the treatment area for aerial and are excluded from the treatment area for ground control options. Any VTA will not be laid within 400m of any known dwelling along the areas indicated for ground control.*

Have there been any public concerns raised from the consultation? Yes ☒ No ☐

If 'yes', how are you planning to mitigate this concern?

*The concerns raised are related to water supplies which have been mitigated by exclusion and distances to be set by the MOH. The treatment area will be amended to adhere to any increased distance required by the MOH.*

*Other concerns are regarding hunting and deer. This cannot be mitigated other than advising of a no take practice until the area is deemed as no longer toxic. This will be measured by carcass cages and rain gauges covering alternate altitudes and changes to the local weather pattern [i.e. variants in average rainfall in differing catchments.]*

**PHU:** List of all dwellings, adjacent landowners/residents provided or identified on map.  
Copy of information provided attached.

☐ (For official use)

## SECTION G: AREAS EASILY ACCESSIBLE OR USED BY THE PUBLIC

The intent of this section is to cover those places where the public may be gathered temporarily. Consider privately-used facilities as well – some of the organisations identified in Sections B and C may be relevant here.

Within the operational area, or within 150 m of the operational area, are there any:		
• Huts, bivvies/shelters	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
• Camping sites	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
• Picnic areas	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
• Public roads and lay-bys	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
• Logging truck turn-around points	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
• Watercraft landing points	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
• Helicopter landing pads	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
• Popular swimming and fishing access points	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
• School bus shelters	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
• Historical/memorial/tourist sites	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
• Urupa/cemeteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
• Recreational & amenity facilities (e.g. golf course, wedding or sporting venues)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
• Other outdoor activities gathering sites (e.g. caving, orienteering etc.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
• Community churches/halls	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
• Marae	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

If 'yes' to any above, list below and ensure they are clearly identified on Section A map(s):

- Manson Nicholl Memorial Hut [Removed – now a construction suite]
- Lake Stream Hut
- Wilderness lands Co 4x4 Hut -Private
- Thomsons Clearing Hut - Private
- Lake Christabel Hut
- Marble Hill Camp Ground
- Multiple unmarked laybys. Some are merely pull off points.
- Fishing access points: Numerous along Palmers Road. Marble Hill Camp Ground area.
- Helicopter Landing is by concession only at the DOC Huts

Give the source(s) of your information for the location of these features:

Local knowledge of the area.

Describe the baiting plans around these areas:

Huts and layby areas are to be excluded from treatment. Laybys on the northern side of the State Highway from the Maruia Thermal Resort to the St James Track car park are on extremely steep topography that negates access easily by public stopping there. It is highly unlikely they would enter the forest at these sites. For this reason I request that buffers applied here are closer than the usual 150m. The camping ground and picnic areas at marble Hill Camp Ground are excluded from the treatment area completely, including ground laid baits.

Manson Nicholl Memorial Hut has been removed to make way for A NEW HUT. Currently the new hut is not planned for completion until approx. February 2020. There is however a construction site there and the builders have requested a 50m buffer only so that rodent populations can be controlled in close proximity. There is only qa day shelter for public visitors until then. They may however still camp nearby. Helicopter landing sites are included at this hut and the Pell Stream Hut only.

Baiting strategy for the tracks and Station Creek Roads is to close these temporarily and sow and clear before re-opening.

Estimate the number of people visiting the operational area. In particular, is it a high use area or will the number of people using it during the operation, increase for specific events or according to the season or holiday periods (particularly think of tourists and children):

☐ **HIGH USE**  
(more than 50 people per day)

☒ **MODERATE USE**  
(between 10 and 50 people per day)

☐ **LOW USE**  
(fewer 10 people per day)

List any areas to be closed to the public:

Loading Site in the Victoria Forest park. All tracks will be temporarily closed until bait has been cleared from the following tracks:

- Mt Haast Track
- Rough Creek Track
- Christabel Track
- Lake Daniell Track
- Lake Stream Track
- Alfred River 4x4 Track [this road is closed to vehicle traffic permanently]

Station Creek Roads will be temporarily closed to public access until all baits are clear

List private land which has a high public use (or identify on operational map; Section A):

NIL

List high use areas which will receive a mid-week baiting strategy (or identify on operational map Section A):

NIL

Give the source(s) of your information:

9(2)(a) – Senior Ranger

Name of the person who provided the information: 9(2)(a)

9(2)(a)

Signature: \_\_\_\_\_

## SECTION H: PUBLICLY ACCESSIBLE VEHICLE ROADS

The intent of this Section is to identify publicly accessible vehicle roads. Such roads include all formed public roads primarily for use by the public in licenced vehicles, but can also include other roads that are not identified by signage and/or barriers as not being open to the general public (a common example of this are private forestry roads coming off formed public roads that are not sign-posted and/or have barriers up advising of no public access).

List all publicly accessible roads used by the public within the area according the criteria listed to assess the level of use of the road:

<b>HIGH USE</b> <i>(more than 50 vehicles per day)</i>	<b>MEDIUM USE</b> <i>(between 10 and 50 vehicles per day)</i>	<b>LOW USE</b> <i>(fewer than 10 vehicles per day)</i>
State Highway 7 State Highway 55		Station Creek forestry roads Westbank Road Palmers Road

Give the source(s) of your information:

- Local knowledge - DOC

Name of the person who provided the information: 9(2)(a)

9(2)(a)

Signature: \_\_\_\_\_



## SECTION I: WALKING/BIKING/OFF-ROAD TRACKS

The intent of this Section is to identify walking/biking/off road tracks used by the public within the operational area according to the level of use. Such tracks include those that, although not “official” tracks on maps/signs and web-sites etc., are known to be often used by the public for walking/biking/off-road activities. Examples include unofficial river access tracks; tracks through private land to access DoC reserves, tracks through DoC reserves that otherwise have no officially identified tracks; historic forestry logging truck turn-around tracks where logs were loaded onto them, etc. It may also be appropriate to consult and/or notify schools in a wider area that are known to or are likely to use the area for recreation, education, camps, etc.

**List all publicly accessible walking/biking/off-road tracks used by the public within the operational area (and identify on the operational map, Section A) according the criteria listed to assess the level of use of the walking/biking/off-road tracks:**

<b>HIGH USE</b> <i>(more than 50 people per day)</i>	<b>MEDIUM USE</b> <i>(between 10 and 50 people per day)</i>	<b>LOW USE</b> <i>(fewer than 10 people per day)</i>
	Lake Daniell Track	Lake Stream Track Rough Creek Track Mount Haast Track Lake Christabel Track Alfred River 4x4 Track

Give the source(s) of your information:

Department of Conservation

Name of the person who provided the information: 9(2)(a)

9(2)(a)

Signature: \_\_\_\_\_

**SECTION J: AREAS TO BE INSPECTED**

The intent of this section is to identify places where the use of VTAs and/or other hazardous substances may directly or indirectly harm human health.

List any other excluded areas not recorded elsewhere in the application (or identify on operational map, Section A):

Describe the control methods for this area:

## SECTION K: SCHOOLS, EARLY CHILDHOOD EDUCATION CENTRES (including Te Kohanga Reo's, Kindergartens, Playcentres, etc.)

The intent of this section is to help to protect young children from the risk of contact with VTA and/or other hazardous substance. For example young children walking or cycling to school may visit friends, explore or take short cuts through operational areas (therefore their parents/caregivers need to receive warnings of the whereabouts of hazardous substances in the area). It may also be appropriate to consult and/or notify schools in a wider area that are known to or are likely to use the area for recreation, educational purposes, camps, etc.

### Explanatory Note - "Appropriate Distance"

This applies to the size of a buffer around an operational area in which schools and early childhood education centres (ECEC) may be found. Urban schools are likely to have pupils coming from shorter distances than those in rural areas. For example, a 2 km-radius circle area around an operational area may be suitable in an urban setting, but a 10 km radius may be more suitable in a rural area. The appropriate distance should be identified after consultation with school staff and with the delegated person.

List all schools and ECEC located within an "appropriate distance" of the operational area:	
Name of educational facility:	Distance from operational area:
Maruia School	2.3km – Treatment Area 900m from Loading Site
Have you sent information, and requested feed-back for any concerns, to these schools and ECEC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Detail what, if any, concerns these schools and ECEC identified:  Nil. All students have parents that have either been consulted with or are on farms where notification has been sent. The school will also include any relevant information in their local newsletter.	
How are you planning to avoid, mitigate or remedy any adverse effects identified by these schools and ECEC?  Nothing to date has been identified by the principal of Maruia School	
Have you attached a copy of the information that will be supplied to these schools and ECEC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

**PHU:** Copy of information provided attached.

☐ (For official use)

## SECTION L: NOTIFICATIONS

Notification is required to ensure that the general public are aware of any VTA and/or other hazardous substance operation scheduled to take place to inform affected parties of times, dates, locations and other required operational matters. This takes place after a decision has been made on the poisoning operation and consultation is completed.

Hunting permits for Department of Conservation (DoC) (and many private forests) are required to carry a warning to hunters that poisoning is planned for certain localities.

The appropriate authorities (DoC, WorkSafe NZ, Regional and Local Councils or Forest Managers) must be notified in advance of the operation.

A record or list of names and addresses of contacts is to be maintained by the applicant. This record is to be kept by the applicant for 12 months from the date of expiry of the Permission and shall be made available to the delegated person on request.

### Please list notifications made to the following agencies and groups:

Local health/medical services/police:

Please refer to Communications plan attached for full list of those to be notified in the two week notification process

Outdoor pursuit clubs/organisations such as: tramping, walking, biking, caving, rafting, boating, conservation, nature, mountain climbing, fishing, hunting, orienteering clubs and other organisations. Also public events, such as road races, BMX, triathlon, marathons, agricultural field days, A&P shows, dog trails, etc.:

Refer to attached communication plan for details of all groups etc contacted

Any other known groups that are likely to have access to the area, eg beekeepers:

No apiarists are currently using this area

Attach a copy of the information that will be supplied to groups and agencies.

- Fact sheet

PHU: Copy of information provided attached.

☐ (For official use)

## SECTION M: NOTICE BOARDS, PUBLIC INFORMATION CENTRES, KIOSKS, etc.

The intent of this section is to ensure that a clear message is given to people of the presence and danger of the VTA and/or other hazardous substance. Where foreign tourists are known to frequently visit an area, it may be useful to provide message in the appropriate language.

**Explanatory Note** - Signage controls are covered by the Health and Safety at Work (Hazardous Substances) Regulations 2017 and do not form part of this permission process.

**Please list locations of notice boards, etc (or identify on operational map; Section A):**

- Maruia Community Hall

Information panels posted at entry points for the following walking tracks [design of these is still pending by DOC publishing team but will be forwarded once confirmed]:

- St James Track Carpark
- Rough Creek track
- Lake Daniell Track
- Christable Track
- Mt Haast Track

Have you attached a copy of information with this application?

☐ Yes

☒ No

PHU: Copy of information provided attached.

☐ (For official use)

## APPLICATION FOR A HEALTH PERMISSION FOR THE USE OF VERTEBRATE TOXIC AGENT(S) (VTAs) AND OTHER HAZARDOUS SUBSTANCE(S)

### Hazardous Substances and New Organisms Act 1996 (HSNO)

This application is to be used when applying for a Health permission to use a vertebrate toxic agent or any other hazardous substance<sup>1</sup> approved under the HSNO Act, for which a Health permission is required under section 95A of the HSNO Act.

A Health permission is issued by a person acting under powers delegated by the Environmental Protection Authority (“the delegated person”).s

### Guidance

The applicant is required to provide information to assess possible exposure pathways to enable HSNO enforcement officers to assess public health risk. The form has suggested prompts to ensure that potential routes of exposures are identified and subsequently public health risks are managed. Complete all of the sections. If a section is not relevant, return the section as part of the completed application form and write “not applicable” across it.

Prepared by: 9(2)(a)

9(2)(a)

Signature:

Date: 21/03/2019

Return this application to the contact person below.

#### LOCAL PUBLIC HEALTH CONTACT:

Mona Andreas

Public Health Canterbury/WestCoast

Phone 03 768 1160

[CPHWestCoastVTAPermissions@cdhb.health.nz](mailto:CPHWestCoastVTAPermissions@cdhb.health.nz)

<sup>1</sup> Hazardous substances requiring Health permissions refer to substances listed in Schedule 1 of the Environmental Protection Authority's Instrument of Delegation. These are: sodium fluoroacetate (1080), sodium cyanide, potassium cyanide, yellow phosphorous, 3-chloro-p-toluidine-hydrochloride, microencapsulated zinc phosphate paste, Advion® fire ant bait, Amdro® fire ant bait, Campaign® ant bait.

## Guidance for Applicants

### **Hazardous Substances and New Organisms (HSNO) Act and Health and Safety at Work (HSW) (Hazardous Substances) Regulations 2017 Requirements for VTAs and Other Hazardous Substances**

The requirements specified under the HSNO Act, its regulations, EPA notices, and approvals for hazardous substances granted under the HSNO Act and HSW (Hazardous Substances) Regulations are requirements which must be met. Where a Health permission for VTAs and other hazardous substances use is granted by a person acting under a delegation from the Authority, they may impose additional conditions to address local circumstances.

The current HSNO Approvals for hazardous substances can be found by searching the register on the Environmental Protection Authority (EPA) website, at:

<http://www.epa.govt.nz/search-databases/pages/controls-search.aspx>

### **Consultation Required in Managing Public Health Risk Prior to Aerial Application of Sodium Fluoroacetate (1080)**

Consultation is a key risk mitigation tool for aerial 1080 operations. You need to provide sufficient evidence to satisfy the HSNO enforcement officer that your consultation has met the requirements of ERMA New Zealand's (now EPA) Communication Guidelines for Aerial 1080 Operations before a permission can be issued.

The Communication Guidelines for Aerial 1080 Operations can be found on the EPA website at:

<http://old.epa.govt.nz/Publications/ERMA-1080-Guidelines.pdf>

Note:

- 1) You can provide copies of communication logs as evidence of consultation, rather than repeating this evidence in this application.
- 2) The evidence needs to be sufficient to satisfy the HSNO enforcement officer that potential risks to public health have been identified and can be avoided, remedied or mitigated.

If you are uncertain about the level of consultation required, or the evidence required of such consultation in managing public health risk, discuss this with your local Public Health Unit (PHU).

### **Food Safety Considerations**

The Ministry of Primary Industries (MPI) is the regulatory agency concerning food safety. Discuss with MPI if there are food safety risks relating to a particular substance that are not being adequately managed through the food safety system.

### **Other Relevant Legislation**

It is the responsibility of the applicant to ensure compliance with all relevant legislation including, but not limited to, Food Act 2014, Animal Products Act 1999, Agriculture Compounds and Veterinary Medicines Act 1997, Resource Management Act 1991, Land Transport Act 1998, Biosecurity Act 1993, and the Conservation Act 1987.

## APPLICATION FOR A HEALTH PERMISSION TO USE A VERTEBRATE TOXIC AGENT (VTA) AND OTHER HAZARDOUS SUBSTANCES

(Pursuant to section 95A of the Hazardous Substances and New Organisms Act 1996)

**Explanatory Note:** An application is submitted by a “person”, for example a corporation, company, incorporated societies, trusts, principal agency, contractor or subcontractor as well as named individual. It also includes the Crown (e.g. the Department of Conservation). An applicant for a Health permission does not need to hold a Controlled Substance Licence (CSL). Note that you must be a CSL holder to be able to possess Vertebrate Toxic Agents (VTAs) as required under the Health and Safety at Work (Hazardous Substances) Regulations 2017.

**Note:** Complete Section D if field operations are to be subcontracted to another individual/organisation.

<b>Full Name of Applicant:</b> (This is the ‘person’ to whom the permission will be issued)	9(2)(a)		
<b>Contact Person (if applicable):</b>			
<b>Applicant Contact Details:</b> (Physical and postal address, telephone, cell phone, fax, e-mail)	Vector Control Services Jacks Road Paroa PO Box 453 GREYMOUTH 7840  9(2)(a)   		
<b>Controlled Substances Licence/s (CSL)</b> Provide CSL details of either the applicant, or at least one person employed by the applicant to undertake the operation:			
<b>CSL No:</b>	9(2)(a)		
<b>Name on CSL:</b>	9(2)(a)		
<b>Expiry Date:</b>	01/04/2020		
<b>CSL covers VTA(s) relevant to application:</b>	Sodium fluoroacetate		
<b>Operational Period</b> <i>Note: A Health permission will be issued to the applicant for a maximum period of 12 months. Where an operation extends past 12 months, the applicant must apply for a new permission.</i>			
<b>Start date:</b>	01/05/2019	<b>Finish date:</b>	30/04/2020
<b>Operation</b>			
<b>Operation name:</b>	Inangahua East & West		
<b>Operation locality:</b>	Inangahua / Reefton		
<b>Territorial local authority <sup>2</sup>:</b>	Buller District Council		
<b>Total operation size (ha):</b>	42,418		

<sup>2</sup> District council, city council or unitary authority



<b>Previous operations:</b> <i>If the applicant has carried out an earlier operation, provide date of operation and application identification code.</i>	February 2007 Application code: 2006 VTA-49
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VTA or Hazardous Substance Information																																		
<b>VTA or Hazardous substance</b> <i>e.g. potassium cyanide</i> <i>Sodium fluoroacetate</i>	<b>Strength</b> <i>e.g. 475 g/kg</i> <i>1.5g/kg</i>	<b>Form</b> <i>e.g. pellets</i> <i>Pellets</i>	<b>Application rate</b> (for aerial operations) <i>2kg/Ha</i>	<b>Purpose</b> <i>e.g. for possum control</i> <i>Possum Control</i>																														
<b>HSNO Approval Number</b> (e.g. HSR002424): <i>HSR002424</i>																																		
<b>Start Date of Application:</b> <i>01/05/2019</i>			<b>Last Date of Application:</b> <i>10/12/2019</i>																															
<b>Specify all application methods to be used for the hazardous substance:</b> Treatment area size (ha): Methods to be used (tick applicable box): <table border="0" style="width: 100%;"> <thead> <tr> <th></th> <th>Yes</th> <th>No</th> <th></th> <th>Yes</th> <th>No</th> </tr> </thead> <tbody> <tr> <td>• Aerial</td> <td></td> <td><input type="checkbox"/></td> <td>• Bait stations and bags:</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td>• Hand broadcast</td> <td></td> <td><input type="checkbox"/></td> <td>State heights of bait stations/bags:</td> <td></td> <td></td> </tr> <tr> <td>• Turf spits/direct to ground</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td>Types of bait stations/bags used:</td> <td></td> <td></td> </tr> <tr> <td>• Other control methods:</td> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> Describe briefly below: <i>1080 may be ground laid in areas along the margins of the control area, where aerial application may not be possible.</i>						Yes	No		Yes	No	• Aerial		<input type="checkbox"/>	• Bait stations and bags:	<input type="checkbox"/>	<input type="checkbox"/>	• Hand broadcast		<input type="checkbox"/>	State heights of bait stations/bags:			• Turf spits/direct to ground	<input type="checkbox"/>	<input type="checkbox"/>	Types of bait stations/bags used:			• Other control methods:	<input type="checkbox"/>	<input type="checkbox"/>			
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• Other control methods:	<input type="checkbox"/>	<input type="checkbox"/>																																

## SECTIONS A TO M

Complete all relevant sections that apply to this application. Tick the “yes/no” or not applicable (N/A) boxes below. Ensure you return all sections with this application. If a section is not relevant, write “not applicable” across it.

*Note that different hazardous substances may require varying levels of detail to be provided with the section. Similarly, aerial and ground operations will have different information requirements.*

Page No.	Section: Reference A to M	Information attached Tick applicable box	Office use only	
General	YES	NO	N/A	
6	A Operational Maps/Lists	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8	B Community Consultation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9	C Consultation with Maori	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10	D Operation Delivered by Subcontractor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>For Aerial 1080 operations:</b> Does the consultation described in sections B & C meet the requirements of the Communication Guidelines for Aerial 1080 Operations?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Excluded Areas</b>				
11	E Drinking Water Supplies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13	F Dwellings, Adjacent Landowners/Residents	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14	G Areas Easily Accessible or Used by the Public	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16	H Publicly Accessible Roads	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17	I Walking/Biking/Off-Road Tracks	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18	J Areas to be Inspected	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Risk Communication</b>				
19	K Schools and Early Childhood Education Centres	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20	L Notifications	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21	M Notice Boards	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>For Aerial 1080 operations:</b> Does the consultation described in sections F, K, L & M meet the requirements of the Communication Guidelines for Aerial 1080 Operations?		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## SECTION A: OPERATIONAL MAPS/LISTS

The use of the maps is to provide sufficient specific information for this operation.

- **Provide a description of the operational area.** Include here the name of the area/reserve, and the name(s) of the landowner(s) (if no more than 10), clearly noting public and private land ownership.
- Operational maps (hardcopy or electronic) should provide an adequate level of detail. A number of map options are available e.g. topographical (e.g. NZS 260 series or Topo 50 Series), GIS (geographic information systems), and electronic shape file if the relevant public health unit has facilities to use these.
- **Include:**
  - total area of ground control To be confirmed after analysing aircraft flight data
  - total area of aerial control 42,418ha
  - territorial local authority(s) Buller District
  - direction and distance to nearest town 1.5km west of Reefton
- If using more than one hazardous substance, show on the map where each hazardous substance will be applied. The use of different colours or a colour code for different hazardous substances may help.
- **Attach 2 copies of operational maps:** More than one map may be needed to include all the information. Use maps of different scales if necessary. A copy of the map (including any necessary changes) will be returned to you and form part of the Health permission conditions. A copy will be kept as a record by the public health unit (hard copy or electronically). The PHU may choose to produce their own maps to go with the Health permission. Check with the relevant PHU if unsure.
- **Identify** the following on your map(s) by using a colour code, a number code or similar:

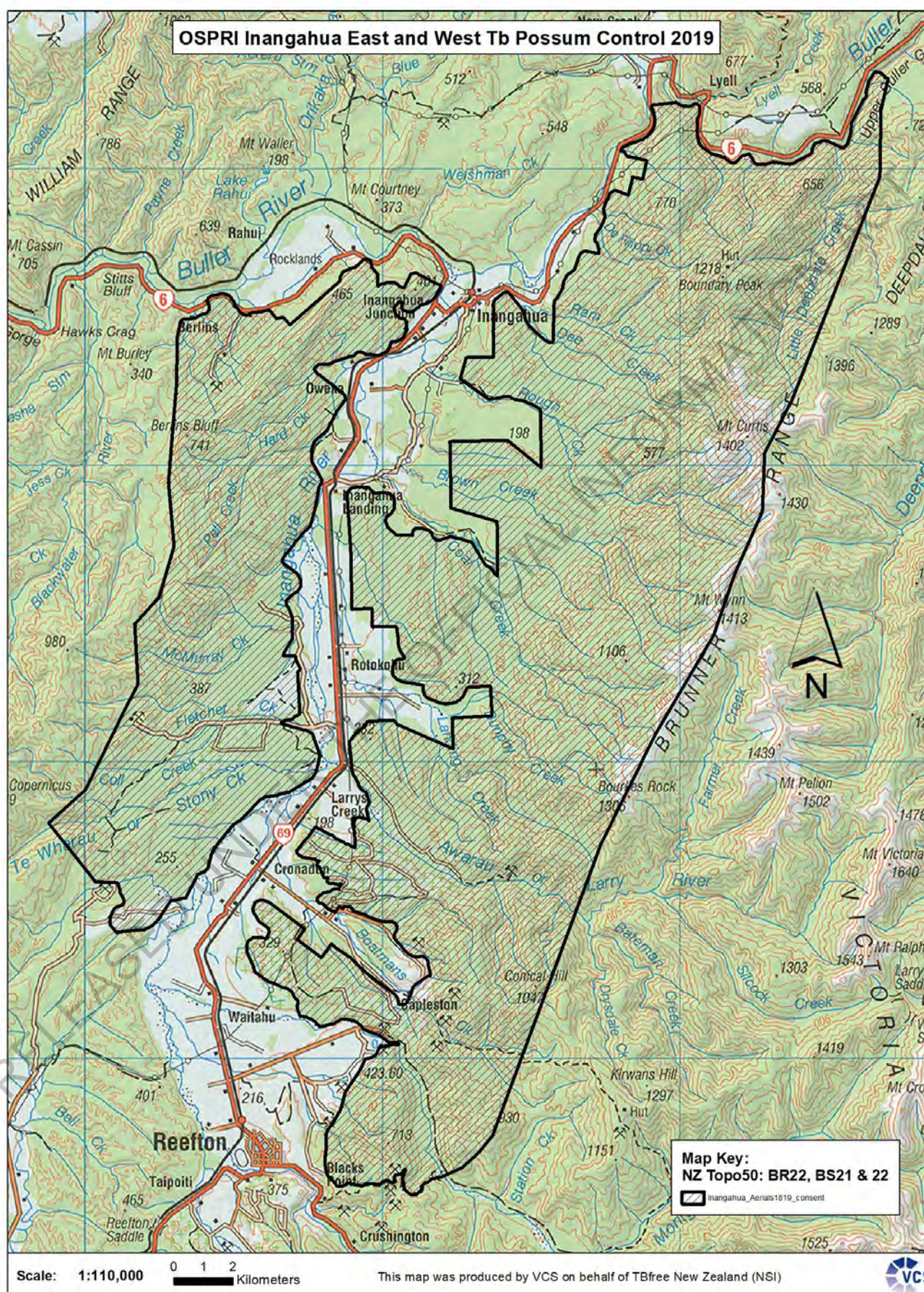
### REFER TO SECTIONS (letters in brackets refer to corresponding sections in form)

- |  |   |
|--|---|
| • Community halls & churches   | G |
| • Marae  | G |
| • Drinking water catchments and intakes  | E |
| • Dwellings, adjacent landowners/residents   | F |
| <i>(Note: a list, including name and addresses, is acceptable if more than 10)</i> |   |
| • Huts, bivvies/shelters   | G |
| • Camping sites and picnic areas   | G |
| • Public roads and lay-bys   | G |
| • Watercraft landing points  | G |
| • Helicopter landing pads  | G |
| • Popular swimming and fishing access points                                       | G |
| • School bus shelters  | G |
| • Historical/memorial tourist sites  | G |
| • Urupa/cemeteries   | G |
| • Recreational & amenity facilities (e.g. golf course, wedding or sporting venues) | G |
| • Other outdoor activities gathering sites (e.g. caving, orienteering etc.)        | G |
| • Walking/biking/off-road tracks   | I |
| • Schools and Early Childhood Education Centres                                    | K |
| • Notice boards  | M |

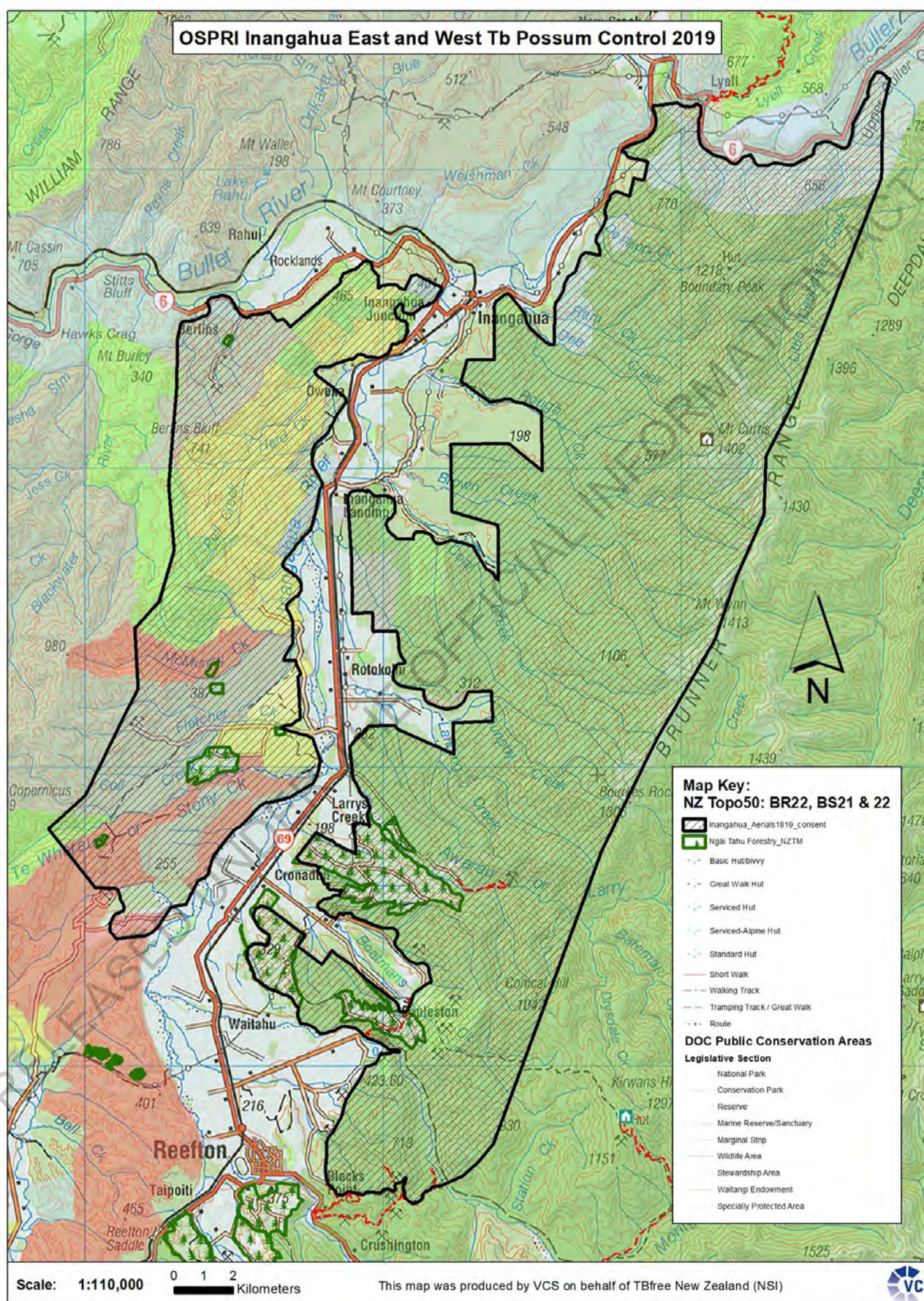
PHU: Operational maps attached and meet requirements (2 copies unless PHU advised otherwise)

☐ (For official use)

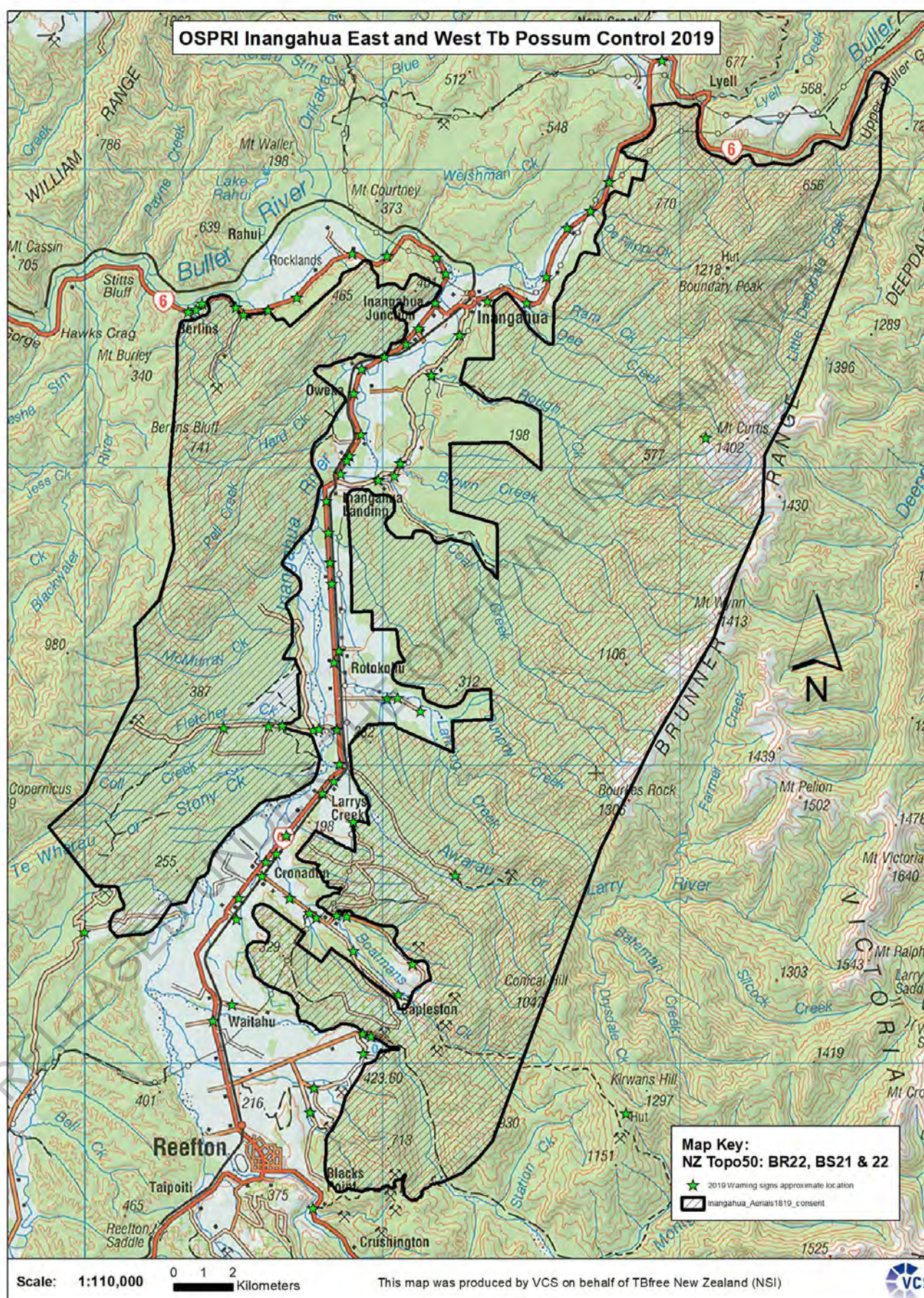




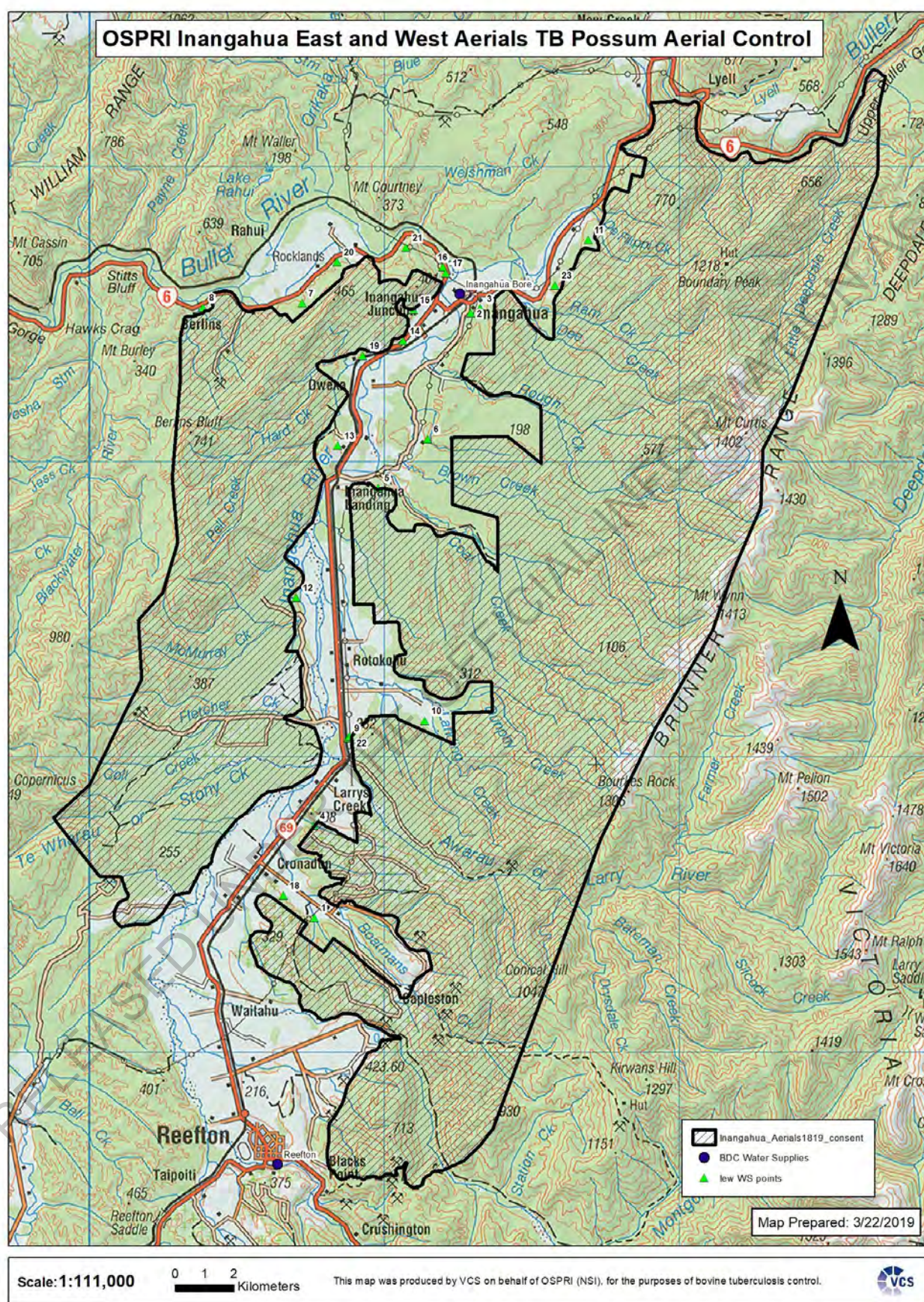














## SECTION B: COMMUNITY CONSULTATION

Consultation is the process of extending a genuine invitation to interested and affected parties to express their views, and provides a means of addressing their concerns.

Do you expect any public concern about this operation?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
<p>If yes, describe the nature of the concern:            The use of aircraft to apply 1080 does cause angst amongst some sections of the community due to its impact on hunting and water supplies.</p> <p>If no, on what is this assessment based?</p> <p>What is the source of your information?            Consultation with adjoining landowners did raise concerns around the impact on hunting and water supplies.</p> <p><b>Consultation with Community Groups</b></p> <p>What community groups did you consult with in relation to this application?            Fish &amp; Game: West Coast            NZDA: West Coast Branch            Forest &amp; Bird: West Coast</p> <p>Name the individuals/groups consulted:            Please see the attached consultation record.</p> <p>Detail what, if any, concerns these individuals/groups identified:            No concerns were raised by these groups.</p> <p>How are you planning to avoid, mitigate or remedy any adverse effects identified by these individuals/groups?            By keeping them informed of operational dates .</p> <p>Attach any evidence of the consultation (correspondence, minutes of meetings, record of phone calls, etc):            Please see the attached consultation record and summary</p> <p><i>If you have not consulted any community groups about this application, ask the resource consent planner at your local council to help identify the appropriate groups to contact.</i></p>					
<p><b>Aerial 1080 Operations</b></p> <p><b><i>You must provide sufficient evidence to demonstrate that consultation in managing public health risk prior to aerial 1080 operations have met the requirements of ERMA NZ's (now EPA) Communication Guidelines for Aerial 1080 Operations.</i></b></p> <p><b><i>You can provide copies of communication logs as evidence, rather than repeating this evidence here.</i></b></p> <table border="1"> <tr> <td>Have you provided evidence to demonstrate compliance with the requirements of ERMA NZ's (now EPA) Communication Guidelines for Aerial 1080 Operations?</td> <td><input checked="" type="checkbox"/> Yes</td> <td><input type="checkbox"/> No</td> </tr> </table> <p>If you have not followed these guidelines, please explain in detail your justification for not meeting these requirements:</p>			Have you provided evidence to demonstrate compliance with the requirements of ERMA NZ's (now EPA) Communication Guidelines for Aerial 1080 Operations?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Have you provided evidence to demonstrate compliance with the requirements of ERMA NZ's (now EPA) Communication Guidelines for Aerial 1080 Operations?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No			



## SECTION C: CONSULTATION WITH MAORI

When consulting with Maori, you need to take into account Section 6(d) of the HSNO Act: “The relationship of Maori and their culture and traditions with their ancestral lands, water, sites, waahi tapu, valued flora and fauna, mahinga kai, and other taonga”.

List Maori groups (iwi/hapu/marae/whanau) and individuals did you consult with in relation to this application?		
Te R nanga o Ngati Waewae		
Identify what, if any, concerns these individuals and groups identified: None identified		
How are you planning to avoid, mitigate or remedy any adverse effects identified by these individuals/groups? By keeping Iwi informed as an affected party		
Have you marked any Marae inside, or within 3km (aerial) or 200m (ground) of the operational area on your Section A map? Not applicable		
Attach evidence of the consultation (correspondence, minutes of meetings, record of phone calls, etc): Please see attached email and record of contact		
<i>If you have not consulted the Maori community about this application, ask the resource consent planner at your local council to help identify the appropriate groups to contact.</i>		
Aerial 1080 Operations		
<p><b>You must provide sufficient evidence to demonstrate that consultation in managing public health risk prior to aerial 1080 operations have met the requirements of ERMA NZ's (now EPA) Communication Guidelines for Aerial 1080 Operations.</b></p> <p><b>You can provide copies of communication logs as evidence, rather than repeating this evidence here.</b></p>		
Have you provided evidence to demonstrate compliance with the requirements of ERMA NZ's (now EPA) Communication Guidelines for Aerial 1080 Operations?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
If you have not followed these guidelines, please explain in detail your justification for not meeting these requirements:		

**SECTION D: OPERATION DELIVERED BY SUBCONTRACTOR**

<b>Full name of subcontractor:</b> 9(2)(a)	Controlled Substance Licence #: CSL 003263 Date of Expiry: 01/04/2020 Does the licence cover the hazardous substance they intend to use? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>								
<b>Company (legal entity title) /Organisation:</b> Vector Control Services									
List the work experience the subcontractor has with the hazardous substances to be used: Vector Control Services has been subcontracted to the Department of Conservation and OSPRI for aerial operations that covers over 2,000,000ha in the last 14 years									
Contact details of the subcontractor (address, postal address, telephone, cell phone, facsimile, e-mail): PO Box 453 GREYMOUTH 7840 9(2)(a) 9(2)(a) 9(2)(a)									
Signature of applicant:									
<b>Chain of responsibility – Complete as applicable to this operation</b> <b>Note:</b> It is now common practice for pesticide operations to be subcontracted to other agencies. All agencies involved have responsibilities to ensure the safe use of hazardous substances. Any subcontracting arrangements must be documented. <b>Example:</b> <table border="0"> <tr> <td><u>Agency/Authority</u></td> <td><u>Area of Responsibility</u></td> </tr> <tr> <td>Principal Agency (TBFree/OSPRI, DoC)</td> <td>e.g. Control of Bovine TB, Conservation, etc.</td> </tr> <tr> <td>Contractor (Local Authority)</td> <td>e.g. Contracted by TBFree/OSPRI</td> </tr> <tr> <td>Subcontractor (Name of approved operator)</td> <td>e.g. Field operations</td> </tr> </table>		<u>Agency/Authority</u>	<u>Area of Responsibility</u>	Principal Agency (TBFree/OSPRI, DoC)	e.g. Control of Bovine TB, Conservation, etc.	Contractor (Local Authority)	e.g. Contracted by TBFree/OSPRI	Subcontractor (Name of approved operator)	e.g. Field operations
<u>Agency/Authority</u>	<u>Area of Responsibility</u>								
Principal Agency (TBFree/OSPRI, DoC)	e.g. Control of Bovine TB, Conservation, etc.								
Contractor (Local Authority)	e.g. Contracted by TBFree/OSPRI								
Subcontractor (Name of approved operator)	e.g. Field operations								
Agency/Authority	Area of Responsibility								
Principal Agency	OSPRI								
Contractor:	Vector Control Services								
Subcontractor:									
Have you attached a copy of the documentation confirming subcontracting arrangements?									
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									

**PHU: Documentation showing subcontracting arrangements attached.**

☐ (For official use)

## SECTION E: DRINKING WATER SUPPLIES

The intent of this section is to minimise the risk of people drinking water contaminated with hazardous substances.

A **drinking water supply**<sup>3</sup> includes the area from which water is likely to be taken for use as drinking water for human consumption. This includes surface water and ground water extraction points as well as water supply reservoirs, treatment plants and storage facilities. The nature and size of water supplies can vary significantly from large networked supplies through to smaller individual supplies serving a varying number of people.

**Drinking water supplies may include schools, early childhood education centres, community halls, Marae, publically accessible huts/shelters, camping sites, cities/towns/villages, individual households, etc.**

Information on many drinking water supplies in your proposed area of operation can be found from the Drinking-water Register for New Zealand: <http://www.esr.cri.nz/water-science/our-services/drinking-water/register-of-suppliers/>; local authority water abstraction consent information, online district maps, and other of information.

### Note: Map References

Provide topographical NZMS grid references below. Provide references for all water supply intakes you have marked on your attached operational map (Section A). All locations shall be obtained using at least a GPS unit set up for use in New Zealand and using projection NZTM 2000 (New Zealand Transverse Mercator).

### Locations of intakes of drinking water for hazardous substance operations:

#### Aerial 1080 Operations

List drinking water supply intakes **within the operational area** or **within 3 kilometres of the boundary** of the operational area for where the source water has arisen within the operational area (add new entries for each supply as required):

<b>Name of supply (1):</b> 01	
Intake (insert your map code):	Grid ref. of intake: E 1507631.2432 N 5344550.612
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream	
Have you made contact with the owner/operator of this supply? Yes <input type="checkbox"/> No <input type="checkbox"/>	
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Exclusion requested	
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:	
Is the supply made up of more than one intake source? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe? <input type="checkbox"/> Yes <input type="checkbox"/> No	

<sup>3</sup> This broad definition allows for the identification of drinking water supplies covered by the proposed operation.

<i>If 'yes' provide details:</i>	
<b>Name of supply (2):</b> 02	
Intake (insert your map code):	Grid ref. of intake: E 1512919.5622 N 5365032.8077
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream	
Have you made contact with the owner/operator of this supply? Yes <input type="checkbox"/> No <input type="checkbox"/>	
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Exclusion requested	
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:	
Is the supply made up of more than one intake source? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<i>If 'yes' provide details:</i>	

<b>Name of supply (3):</b>	
Intake (insert your map code): 03	Grid ref. of intake: E 1513246.2548 N 5365199.646
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream	
Have you made contact with the owner/operator of this supply? Yes <input type="checkbox"/> No <input type="checkbox"/>	
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Exclusion requested	
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:	
Is the supply made up of more than one intake source? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<i>If 'yes' provide details:</i>	

<b>Name of supply (4):</b>	
Intake (insert your map code): 04	Grid ref. of intake: E1507605.5605 N 5347661.8908
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream	
Have you made contact with the owner/operator of this supply? Yes <input type="checkbox"/> No	
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Exclusion requested	
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:	
Is the supply made up of more than one intake source? <input type="checkbox"/> Yes No	
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If 'yes' provide details:	

<b>Name of supply (5):</b>	
Intake (insert your map code): 05	Grid ref. of intake: E1509785.8912 N5359101.1918
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream	
Have you made contact with the owner/operator of this supply? Yes <input type="checkbox"/> No	
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Exclusion requested	
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:	
Is the supply made up of more than one intake source? <input type="checkbox"/> Yes No	
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe? <input type="checkbox"/> Yes <input type="checkbox"/> No	
If 'yes' provide details:	

<b>Name of supply (6):</b>	
Intake (insert your map code): 06	Grid ref. of intake: E1511452.0655 N5360768.1729
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream	
Have you made contact with the owner/operator of this supply? Yes <input type="checkbox"/> No	
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.:	

Exclusion requested	
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:	
Is the supply made up of more than one intake source?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If 'yes' provide details:	

<b>Name of supply (7):</b>	
Intake (insert your map code): 07	Grid ref. of intake: E1507200.8572 N5365365.7867
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream	
Have you made contact with the owner/operator of this supply?	Yes <input type="checkbox"/> No
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Exclusion requested	
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:	
Is the supply made up of more than one intake source?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If 'yes' provide details:	

<b>Name of supply (8):</b>	
Intake (insert your map code): 08	Grid ref. of intake: E1503839.0195 N5365205.665
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream	
Have you made contact with the owner/operator of this supply?	Yes <input type="checkbox"/> No
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Exclusion requested	
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:	

Is the supply made up of more than one intake source?			<input type="checkbox"/> Yes	No
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe?			<input type="checkbox"/> Yes	<input type="checkbox"/> No
If 'yes' provide details:				

<b>Name of supply (9):</b>				
Intake (insert your map code): 09			Grid ref. of intake: E1508770.228 N5350626.223	
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream				
Have you made contact with the owner/operator of this supply?			Yes	<input type="checkbox"/> No
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Exclusion requested				
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:				
Is the supply made up of more than one intake source?			<input type="checkbox"/> Yes	No
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe?			<input type="checkbox"/> Yes	<input type="checkbox"/> No
If 'yes' provide details:				

<b>Name of supply (10):</b>				
Intake (insert your map code): 10			Grid ref. of intake: E1511369.237 N5351206.600	
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream				
Have you made contact with the owner/operator of this supply?			Yes	<input type="checkbox"/> No
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Exclusion requested				
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:				
Is the supply made up of more than one intake source?			<input type="checkbox"/> Yes	No

If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe?		<input type="checkbox"/> Yes	<input type="checkbox"/> No
If 'yes' provide details:			

<b>Name of supply (11):</b>	
Intake (insert your map code): 11	Grid ref. of intake: E1516903.977 N5367509.201
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream	
Have you made contact with the owner/operator of this supply?	Yes <input type="checkbox"/> No
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Stream	
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:	
Is the supply made up of more than one intake source?	<input type="checkbox"/> Yes No
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe?	
<input type="checkbox"/> Yes <input type="checkbox"/> No	
If 'yes' provide details:	

<b>Name of supply (12):</b>	
Intake (insert your map code): 12	Grid ref. of intake: E1507004.671 N5355382.871
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream	
Have you made contact with the owner/operator of this supply?	Yes <input type="checkbox"/> No
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Exclusion requested	
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:	
Is the supply made up of more than one intake source?	<input type="checkbox"/> Yes No
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe?	
<input type="checkbox"/> Yes <input type="checkbox"/> No	



If 'yes' provide details:

### Name of supply (13):

Intake (insert your map code): 13

Grid ref. of intake: E1508404.813 N5360535.865

Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream

Have you made contact with the owner/operator of this supply? Yes ☐ No ☐

Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.:

Exclusion requested

If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:

Is the supply made up of more than one intake source? ☐ Yes ☐ No

If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe? ☐ Yes ☐ No

If 'yes' provide details:

### Name of supply (14):

Intake (insert your map code): 14

Grid ref. of intake: E1510631.641 N5364094.302

Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream

Have you made contact with the owner/operator of this supply? Yes ☐ No ☐

Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.:

Exclusion requested

If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:

Is the supply made up of more than one intake source? ☐ Yes ☐ No

If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe? ☐ Yes ☐ No

If 'yes' provide details:

<b>Name of supply (15):</b>	
Intake (insert your map code): 15	Grid ref. of intake: E1510977.222 N5365134.678
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream	
Have you made contact with the owner/operator of this supply?	Yes <input type="checkbox"/> No
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Exclusion requested	
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:	
Is the supply made up of more than one intake source?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If 'yes' provide details:	

<b>Name of supply (16):</b>	
Intake (insert your map code): 16	Grid ref. of intake: E1511986.987 N5366588.569
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream	
Have you made contact with the owner/operator of this supply?	Yes <input type="checkbox"/> No
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Exclusion requested	
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:	
Is the supply made up of more than one intake source?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If 'yes' provide details:	

<b>Name of supply (17):</b>	
Intake (insert your map code): 17	Grid ref. of intake: E1512077.569 N5366379.812
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream	

Have you made contact with the owner/operator of this supply?	Yes	<input type="checkbox"/> No
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Exclusion requested		
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:		
Is the supply made up of more than one intake source?	<input type="checkbox"/> Yes	No
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If 'yes' provide details:		

<b>Name of supply (18):</b>		
Intake (insert your map code): 18	Grid ref. of intake: E1506561.459 N5345298.209	
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream		
Have you made contact with the owner/operator of this supply?	Yes	<input type="checkbox"/> No
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.:		
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:		
Is the supply made up of more than one intake source?	<input type="checkbox"/> Yes	No
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If 'yes' provide details:		

<b>Name of supply (19):</b>		
Intake (insert your map code): 19	Grid ref. of intake: E1509262.780 N5363586.190	
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream		
Have you made contact with the owner/operator of this supply?	Yes	<input type="checkbox"/> No
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Exclusion requested		

If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:	
Is the supply made up of more than one intake source?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If 'yes' provide details:	

<b>Name of supply (20):</b>	
Intake (insert your map code): 20	Grid ref. of intake: E1508392.205 N5366750.988
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream	
Have you made contact with the owner/operator of this supply?	Yes <input type="checkbox"/> No
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Exclusion requested	
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:	
Is the supply made up of more than one intake source?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If 'yes' provide details:	

<b>Name of supply (21):</b>	
Intake (insert your map code): 21	Grid ref. of intake: E1510718.523 N5367234.642
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream	
Have you made contact with the owner/operator of this supply?	Yes <input type="checkbox"/> No
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Will disconnect stream supply.	

If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:	
Is the supply made up of more than one intake source?	Yes <input type="checkbox"/> No
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe?	Yes <input type="checkbox"/> No
<i>If 'yes' provide details:</i> <i>Stream supply is a back up to the roof supply.</i>	

<b>Name of supply (22):</b>	
Intake (insert your map code): 22	Grid ref. of intake: E1508825.810 N5350684.681
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream	
Have you made contact with the owner/operator of this supply?	Yes <input type="checkbox"/> No
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Exclusion requested	
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:	
Is the supply made up of more than one intake source?	<input type="checkbox"/> Yes No
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<i>If 'yes' provide details:</i>	

<b>Name of supply (23):</b>	
Intake (insert your map code): 23	Grid ref. of intake: E1515780.947 N5365957.419
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Stream	
Have you made contact with the owner/operator of this supply?	Yes <input type="checkbox"/> No
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Exclusion requested	
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:	

Is the supply made up of more than one intake source?	<input type="checkbox"/> Yes	No
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If 'yes' provide details:		

<b>Name of supply (24): Inangahua</b>		
Intake (insert your map code): Inangahua	Grid ref. of intake: E1512546 N5365676	
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Bore		
Have you made contact with the owner/operator of this supply?	Yes	<input type="checkbox"/> No
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Not requested		
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:		
Is the supply made up of more than one intake source?	<input type="checkbox"/> Yes	No
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient water to the consumers until the subject source is deemed safe?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If 'yes' provide details:		

<b>Name of supply (25): Reefton</b>		
Intake (insert your map code): Reefton	Grid ref. of intake: E1506357 N5336194	
Type of supply (e.g. roof, bore, spring, river, lake, etc.): Bore		
Have you made contact with the owner/operator of this supply?	Yes	<input type="checkbox"/> No
Provide any mitigation measures requested by the owner/operator, e.g. testing, exclusions, etc.: Not requested		
If the supply has storage, how many days of storage is held if the intake was to be disconnected temporarily:		
Is the supply made up of more than one intake source?	<input type="checkbox"/> Yes	No
If 'yes', does the other source/s have catchments outside the operational area that could supply sufficient		

water to the consumers until the subject source is deemed safe?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
If 'yes' provide details:		

### Ground Operations (all VTAs and other Hazardous Substances)

List drinking water supply intakes **within 200 metres** of the boundary of operational area where the source water has arisen within the operational area (add new entries for each supply as required):

All supplies for this permission are the same as the aerial

Are all listed drinking water supply intakes marked on the topographical map (Section A)?	Yes	<input type="checkbox"/> No
Have you physically inspected all drinking water supply intake locations with the owner/drinking water supplier to ensure that location of the supply as detailed in this application form is correct?	Yes	<input type="checkbox"/> No

**Note:** For all other non VTA aerial and ground hazardous substances covered by this application form, it is at the discretion of the HSNO enforcement officer what appropriate exclusion distance is to be set. The distance will depend on the officer's risk assessment.

## SECTION F: DWELLINGS, ADJACENT LANDOWNERS/RESIDENTS

Have you attached an up-to-date list (or identified on the Section A map if no more than 10 in total of each) of all dwellings, adjacent landowners/residents associated with the operational area?	Yes	No <input type="checkbox"/>
Have you attached a copy of the information provided to dwellings inside the operational area, and adjacent landowners/residents of the operational area?	Yes	No <input type="checkbox"/>
<p>How will you ensure that VTA and /or other hazardous substance baits are not applied near occupied dwellings?</p> <p>The boundaries have been discussed with adjoining landowners, with houses close to the boundary located with GPS to ensure buffers are applied accurately.</p> <p>The boundary will be inspected in a helicopter prior to applying toxic baits to double check buffers on dwelling close to boundaries.</p>		
Have there been any public concerns raised from the consultation?	Yes	No <input type="checkbox"/>
<p>If 'yes', how are you planning to mitigate this concern?</p> <p>The boundary for the operational area has been amended to reduce the impact on adjoining landowners where possible.</p> <p>Exclusions will be applied to water supply intakes and water sampling undertaken where requested.</p> <p>Agreements have been made to keep stock away from unfenced areas, or the boundary has been amended to avoid areas of concern where practicle.</p> <p>By keeping parties informed of operational timing.</p> <p>Muzzles and emetics have been given to landowners when requested</p> <p>Mitigation strategies to keep domestic animals safe have been discussed with adjoining landowners/occupiers</p> <p>Avoid the main period of the roar and opening weekend of duck shooting</p>		

**PHU:** List of all dwellings, adjacent landowners/residents provided or identified on map.  
Copy of information provided attached.

☐ (For official use)



## SECTION G: AREAS EASILY ACCESSIBLE OR USED BY THE PUBLIC

The intent of this section is to cover those places where the public may be gathered temporarily. Consider privately-used facilities as well – some of the organisations identified in Sections B and C may be relevant here.

Within the operational area, or within 150 m of the operational area, are there any:		
• Huts, bivvies/shelters	Yes	<input type="checkbox"/> No
• Camping sites	<input type="checkbox"/> Yes	No
• Picnic areas	<input type="checkbox"/> Yes	No
• Public roads and lay-bys	Yes	<input type="checkbox"/> No
• Logging truck turn-around points	Yes	<input type="checkbox"/> No
• Watercraft landing points	<input type="checkbox"/> Yes	No
• Helicopter landing pads	<input type="checkbox"/> Yes	No
• Popular swimming and fishing access points	Yes	<input type="checkbox"/> No
• School bus shelters	<input type="checkbox"/> Yes	No
• Historical/memorial/tourist sites	Yes	<input type="checkbox"/> No
• Urupa/cemeteries	<input type="checkbox"/> Yes	No
• Recreational & amenity facilities (e.g. golf course, wedding or sporting venues)	<input type="checkbox"/> Yes	No
• Other outdoor activities gathering sites (e.g. caving, orienteering etc.)	<input type="checkbox"/> Yes	No
• Community churches/halls	<input type="checkbox"/> Yes	No
• Marae	<input type="checkbox"/> Yes	No
<p>If 'yes' to any above, list below and ensure they are clearly identified on Section A map(s):</p> <p>Mount Curtis Hut            Larrys River, Boatmans and Perserverance forestry roads            Vehicle laybys – Perserverance road            Fishing Access- Perserverance Road, Stony, Larrys and Waitahu Rivers            Caledonian mine – Larrys River            Steam engine – Larrys River</p>		
<p>Give the source(s) of your information for the location of these features:</p> <p>Department of Conservation Online GIS spatial information system            Adjoining landowners            Physical inspection by VCS</p>		
<p>Describe the baiting plans around these areas:</p> <p>The operation is planned to be flown in the closed fishing season for this area. The Perserverance and Larry River access roads will be closed with tape until cleared.            The forestry roads will be sown and cleared of baits            Caledonian mine is 1.5 hours walk from the end of Larrys River forestry road. Bait will be sown and cleared.            The steam engine at Larrys river is outside of the operational area.</p>		
<p>Estimate the number of people visiting the operational area. In particular, is it a high use area or will the number of people using it during the operation, increase for specific events or according to the season or holiday periods (particularly think of tourists and children):</p>		
<input type="checkbox"/> <b>HIGH USE</b> <i>(more than 50 people per day)</i>	<input type="checkbox"/> <b>MODERATE USE</b> <i>(between 10 and 50 people per day)</i>	<input type="checkbox"/> <b>LOW USE</b> <i>(fewer 10 people per day)</i>
<p>List any areas to be closed to the public:</p>		

Loading sites will be closed to public access  
Larry's River , Boatmans and Perserverance forestry blocks  
Waitahu River 4x4 access  
Inglewood Branch track  
Waitahu – Murray Creek track  
Kirwans Hut track

List private land which has a high public use (or identify on operational map; Section A):

N/A

List high use areas which will receive a mid-week baiting strategy (or identify on operational map Section A):

Give the source(s) of your information:

9(2)(a)

Department of Conservation Online GIS spatial information system

Adjoining landowners

Physical inspection by VCS

Name of the person who provided the information: 9(2)(a)

9(2)(a)

Signature:

## SECTION H: PUBLICLY ACCESSIBLE VEHICLE ROADS

The intent of this Section is to identify publicly accessible vehicle roads. Such roads include all formed public roads primarily for use by the public in licenced vehicles, but can also include other roads that are not identified by signage and/or barriers as not being open to the general public (a common example of this are private forestry roads coming off formed public roads that are not sign-posted and/or have barriers up advising of no public access).

List all publicly accessible roads used by the public within the area according the criteria listed to assess the level of use of the road:

<b>HIGH USE</b> (more than 50 vehicles per day)	<b>MEDIUM USE</b> (between 10 and 50 vehicles per day)	<b>LOW USE</b> (fewer than 10 vehicles per day)
		Perseverance Road and associated unnamed forestry roads Larry's River Road and associated unnamed forestry roads Boatmans forestry unnamed forestry roads

Give the source(s) of your information:

Personal observations by VCS staff during consultation and loading site selection

Name of the person who provided the information:

Name of the person who provided the information: 9(2)(a)

9(2)(a)

Signature:

## SECTION I: WALKING/BIKING/OFF-ROAD TRACKS

The intent of this Section is to identify walking/biking/off road tracks used by the public within the operational area according to the level of use. Such tracks include those that, although not “official” tracks on maps/signs and web-sites etc., are known to be often used by the public for walking/biking/off-road activities. Examples include unofficial river access tracks; tracks through private land to access DoC reserves, tracks through DoC reserves that otherwise have no officially identified tracks; historic forestry logging truck turn-around tracks where logs were loaded onto them, etc. It may also be appropriate to consult and/or notify schools in a wider area that are known to or are likely to use the area for recreation, education, camps, etc.

**List all publicly accessible walking/biking/off-road tracks used by the public within the operational area (and identify on the operational map, Section A) according the criteria listed to assess the level of use of the walking/biking/off-road tracks:**

<b>HIGH USE</b> (more than 50 people per day)	<b>MEDIUM USE</b> (between 10 and 50 people per day)	<b>LOW USE</b> (fewer than 10 people per day)
		Larry's River track (Caledonian Mine) Inglewood Branch Track Waitahu River to Murray Creek track Waitahu River 4 x 4 access Power transmission pylon access 4x4 tracks Some old native forestry roads may still be used, with access mostly through private property

Give the source(s) of your information:

Department of Conservation 9(2)(a) Adjoining landowners  
 Physical inspection by VCS

Name of the person who provided the information: 9(2)(a)

9(2)(a)

Signature:

## SECTION J: AREAS TO BE INSPECTED

The intent of this section is to identify places where the use of VTAs and/or other hazardous substances may directly or indirectly harm human health.

Unnamed forestry roads in Larry's River, Boatmans and Perserverance roads.  
 Waitahu River 4 x 4 access  
 Larry's River track  
 Inglewood Branch Track  
 Waitahu River to Murray Creek track  
 Kirwans track

Access will be closed with tape and signage, until baits are cleared. Forestry roads behind locked gates may take more than 24 hours to clear.

List any other excluded areas not recorded elsewhere in the application (or identify on operational map, Section A):

Murray Creek loop walking track  
 Heaphy Mine  
 Boatmans Mine  
 Reddale Mine

Describe the control methods for this area:

Where possible ground control will be undertaken.

## SECTION K: SCHOOLS, EARLY CHILDHOOD EDUCATION CENTRES (including Te Kohanga Reo's, Kindergartens, Playcentres, etc.)

The intent of this section is to help to protect young children from the risk of contact with VTA and/or other hazardous substance. For example young children walking or cycling to school may visit friends, explore or take short cuts through operational areas (therefore their parents/caregivers need to receive warnings of the whereabouts of hazardous substances in the area). It may also be appropriate to consult and/or notify schools in a wider area that are known to or are likely to use the area for recreation, educational purposes, camps, etc.

### Explanatory Note - "Appropriate Distance"

This applies to the size of a buffer around an operational area in which schools and early childhood education centres (ECEC) may be found. Urban schools are likely to have pupils coming from shorter distances than those in rural areas. For example, a 2 km-radius circle area around an operational area may be suitable in an urban setting, but a 10 km radius may be more suitable in a rural area. The appropriate distance should be identified after consultation with school staff and with the delegated person.

List all schools and ECEC located within an "appropriate distance" of the operational area:	
Name of educational facility:	Distance from operational area:
Inangahua School. Reefton Area School. Sacred Heart School.	Approximately 850m Approximately 2.2km Approximately 2.2km
Have you sent information, and requested feed-back for any concerns, to these schools and ECEC? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Detail what, if any, concerns these schools and ECEC identified:	
How are you planning to avoid, mitigate or remedy any adverse effects identified by these schools and ECEC?  The identified schools will be provided with two week notice and a fact sheet	
Have you attached a copy of the information that will be supplied to these schools and ECEC: <input type="checkbox"/> Yes <input type="checkbox"/> No	

**PHU: Copy of information provided attached.**

☐ (For official use)

## SECTION L: NOTIFICATIONS

Notification is required to ensure that the general public are aware of any VTA and/or other hazardous substance operation scheduled to take place to inform affected parties of times, dates, locations and other required operational matters. This takes place after a decision has been made on the poisoning operation and consultation is completed.

Hunting permits for Department of Conservation (DoC) (and many private forests) are required to carry a warning to hunters that poisoning is planned for certain localities.

The appropriate authorities (DoC, WorkSafe NZ, Regional and Local Councils or Forest Managers) must be notified in advance of the operation.

A record or list of names and addresses of contacts is to be maintained by the applicant. This record is to be kept by the applicant for 12 months from the date of expiry of the Permission and shall be made available to the delegated person on request.

### Please list notifications made to the following agencies and groups:

Local health/medical services/police:

Greymouth Hospital  
 Reefton Medical Centre  
 Buller Health  
 Coast Medical  
 Reefton Police  
 Westport

Outdoor pursuit clubs/organisations such as: tramping, walking, biking, caving, rafting, boating, conservation, nature, mountain climbing, fishing, hunting, orienteering clubs and other organisations. Also public events, such as road races, BMX, triathlon, marathons, agricultural field days, A&P shows, dog trails, etc.:

Any other known groups that are likely to have access to the area, eg beekeepers:

Attach a copy of the information that will be supplied to groups and agencies.

Fact sheet attached

PHU: Copy of information provided attached.

☐ (For official use)

## SECTION M: NOTICE BOARDS, PUBLIC INFORMATION CENTRES, KIOSKS, etc.

The intent of this section is to ensure that a clear message is given to people of the presence and danger of the VTA and/or other hazardous substance. Where foreign tourists are known to frequently visit an area, it may be useful to provide message in the appropriate language.

**Explanatory Note** - Signage controls are covered by the Health and Safety at Work (Hazardous Substances) Regulations 2017 and do not form part of this permission process.

**Please list locations of notice boards, etc (or identify on operational map; Section A):**

Indicative locations are marked on the attached map

Have you attached a copy of information with this application?

Yes

☐ No

**PHU:** Copy of information provided attached.

☐ (For official use)



9(2)(a)



RELEASED UNDER THE OFFICIAL INFORMATION ACT

# INANGAHUA BOVINE TB CONTROL OPERATION

## OSPRI'S TBfree PROGRAMME

The TBfree programme aims to manage and eventually eradicate bovine tuberculosis (TB) from New Zealand's farmed cattle and deer and wild animal populations. Controlling disease prevents livestock production losses and protects the world leading reputation of New Zealand's dairy, beef and deer products. We use possum control, along with regular herd testing and movement restrictions, to achieve our eradication goals. Information gathered from wild animal surveys, recent and historic findings of TB in wild animals, herd testing results and the operational history of the region are used when planning operations.

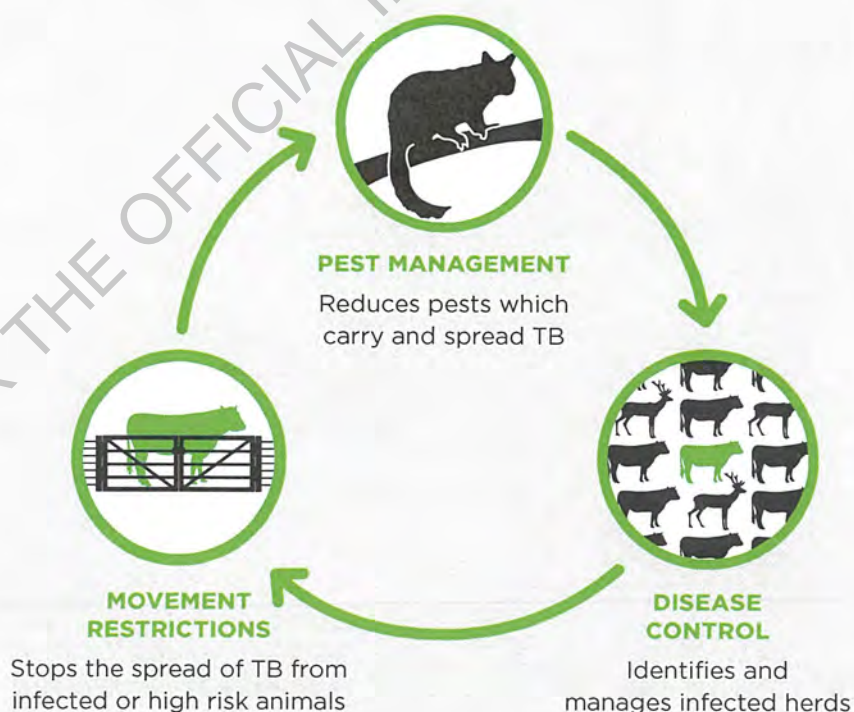


## TARGETING POSSUMS

We're running a possum control operation in the Inangahua area (please see map provided for the operation area). It will cover approximately 40,390 ha, boundaries & treatment areas may change after consultation is completed.

To eradicate bovine TB, possum numbers need to be kept extremely low – around one to two animals every 10 hectares. Further control

## HOW WE CONTROL TB



work is needed in the Inangahua area to maintain a low possum population and minimise the risk of the disease spreading through wild animal populations and onto farmed

cattle and deer. Possum control has dramatically reduced the number of infected herds in the West Coast region. This area was last treated in 2011.





## WHAT TO EXPECT

The operation will begin with the distribution of non-toxic, tan-coloured cereal pellets by helicopter. This “pre-feed” gives possums a taste for the pellets and overcomes bait shyness. One to two weeks later, toxic, green cereal pellets – each containing 0.15 percent biodegradable sodium fluoroacetate (also known as 1080) – will be applied by helicopter at a rate of two kilograms per hectare. That’s about one bait to every 60 square metres. The Inangahua operation will be subject to strict safety, quality-assurance and monitoring requirements.

Advanced GPS navigational equipment will be used to ensure the pellets are accurately placed and exclusion zones avoided.

## THE METHOD

The vast majority of possum control in the region is done by contractors using ground-based traps and hand-laid toxins. The remaining, far smaller area is controlled using aerially applied pellets containing

biodegradable 1080. Aerial control is efficient, cost effective and has been extremely successful at knocking possum numbers down to very low levels in the past. It is preferred in areas like Inangahua due to the required scale of the operation & the rugged nature of the terrain. The Parliamentary Commissioner for the Environment also supports aerial control. The commissioner completed an extensive review into the use of 1080, in which she strongly endorsed its continued use in New Zealand.

Please visit [pce.parliament.nz](http://pce.parliament.nz) to read this report.

## WHAT HAPPENS NOW

This operation is planned from 1 July 2019 onwards. A contractor will be doing the work on behalf of OSPRI’s TBfree programme. Before the operation, affected landowners and occupiers will be contacted and visited by one of our contractors. They will discuss boundary issues, water supply safety and the management of any risks to

dogs and livestock. Permissions from the Department of Conservation and the Ministry of Health are required for this operation. Affected landowners and occupiers will be contacted again before the operation starts, notices will be published in local newspapers and warning signs will be placed at all likely access points to the operational area.

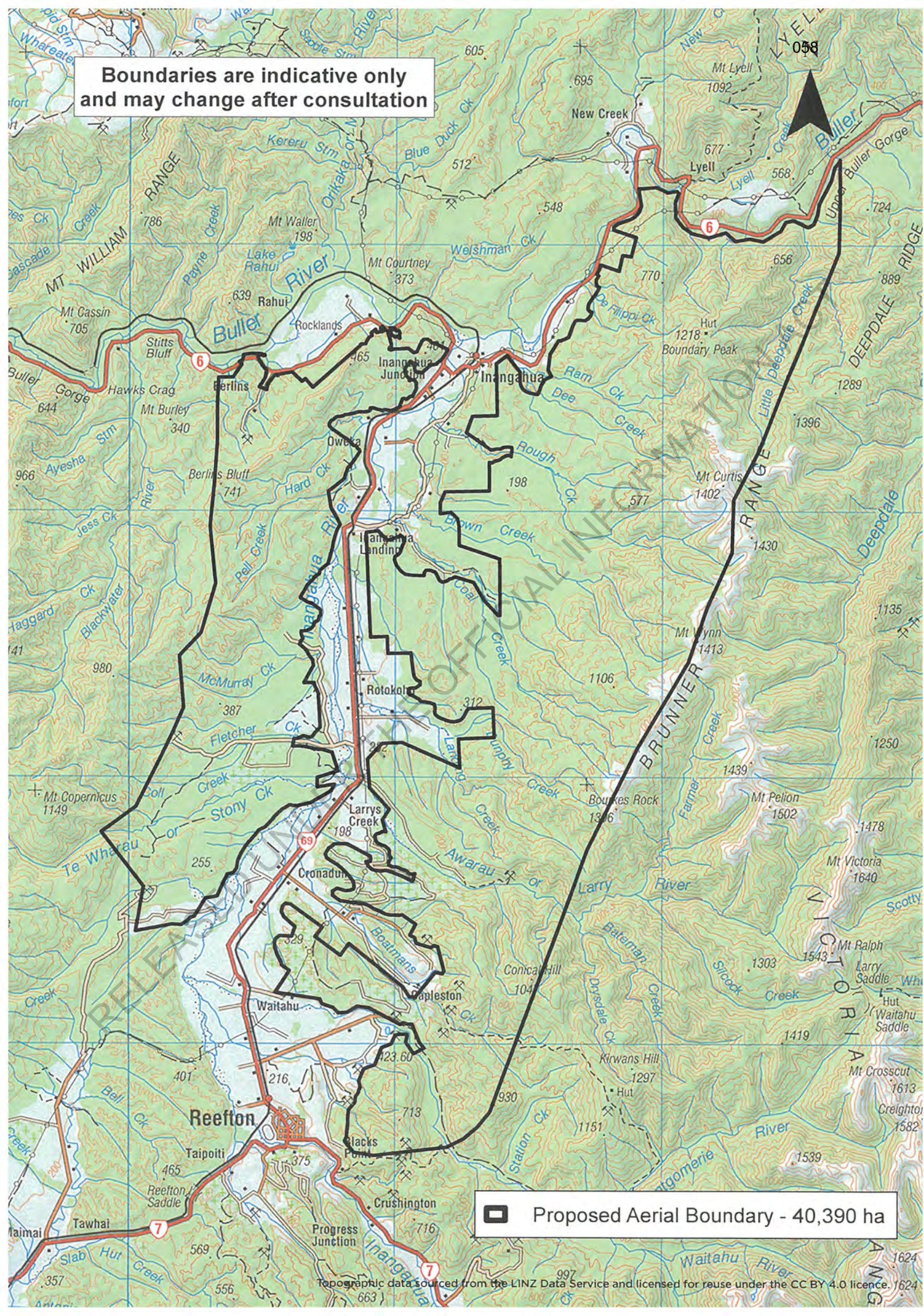
## BIODIVERSITY BENEFITS

The operation will have additional conservation benefits for native birds and bush. Possums eat the forest canopy and prey on native birdlife, including eggs and chicks. Biodegradable 1080 is also extremely effective at controlling other introduced predators such as ship rats and stoats.

This operation is likely to occur during a predicted beech mast event which would have significant benefits to native birds in the area and support the efforts of other agencies programmes such as the Department of Conservation “Battle for our Birds”.



**Boundaries are indicative only  
and may change after consultation**



 Proposed Aerial Boundary - 40,390 ha

Topographic data sourced from the LINZ Data Service and licensed for reuse under the CC BY 4.0 licence. 1624



# IMPORTANT INFORMATION

Warning signs will be placed at all main access points to the operational area and everyone must follow the cautions on the signs. There's no health risk when using this area as long you follow these instructions:

**Do not** handle any bait or allow children to wander unsupervised. Cereal baits containing 1080 are dyed green.

**Do not** hunt or take game from within a two-kilometre radius of

the operational area for human or pet consumption. Please refer to Ministry of Primary Industries (MPI) food safety requirements for more information.

Please observe these rules whenever you see warning signs about the pesticide. Warning signs indicate that pesticide residues may still be present in the baits or carcasses. When the signs are officially removed, you can resume normal activities in the area.



**Do not bring dogs into the area until the warning signs have been officially removed.**

Dogs are particularly susceptible to 1080. They must not be allowed access to bait or poisoned carcasses which remain toxic to dogs until they have fully decomposed.



## THERE IS NO RISK TO PUBLIC DRINKING WATER

Biodegradable 1080 is highly soluble and does not persist in water or soil. Local health authorities apply strict conditions to aerial operations so that drinking water supplies are not contaminated. Safety has been confirmed by tests on several thousand water samples taken after aerial 1080 operations over many years.



## WHAT TO DO IF YOU SUSPECT POISONING

Contact your local hospital or doctor, or **dial 111**

National Poisons Centre  
**0800 POISON (764 766)**

If a domestic animal is poisoned, contact a local veterinarian.



## FURTHER INFORMATION

### OSPRI

Christchurch Office  
PO Box 8674, Riccarton,  
Christchurch 8440  
P 03 3633090  
E [vectorsn@tbfree.org.nz](mailto:vectorsn@tbfree.org.nz)  
[ospri.co.nz](http://ospri.co.nz)

### Contractor

Vector Control Services,  
Aerial Coordinator  
P 0508 141 268  
E [info@vcs.net.nz](mailto:info@vcs.net.nz)

For more information on controlling bovine TB and how and why 1080 is used in New Zealand, visit [1080facts.co.nz](http://1080facts.co.nz)

For guidance on recreational hunting see our factsheet 'TB Information for Hunters' at [ospri.co.nz](http://ospri.co.nz)

For guidance on commercial hunting see the Ministry for Primary Industries and Department of Conservation websites.



9(2)(a)

**From:** 9(2)(a) <[REDACTED]@ngatiwaewae.org.nz>  
**Sent:** Wednesday, 20 February 2019 12:19  
**To:** 9(2)(a)  
**Subject:** RE: Inangahua possum control

Kia ora 9(2)(a)

No all good at our end

Naku noa

na 9(2)(a)

9(2)(a)



9(2)(a)

**AHL ARAHURA HOLDING LIMITED**

[REDACTED]  
[REDACTED]

[REDACTED] @ngaitahur.iwi.nz

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**From:** 9(2)(a) [REDACTED]@wrcr.govt.nz]  
**Sent:** Wednesday, 20 February 2019 9:19 a.m.  
**To:** 9(2)(a)  
**Subject:** RE: Inangahua possum control

Morena 9(2)(a)

I'm in the final stages of preparing the application to the MOH for permission to undertake possum control in the Inangahua – Reefton area and was wondering if there was anything you wanted us consider while we were working in the area.

Nāku noa.

Nā, 9(2)

From: 9(2)(a)

Sent: Tuesday, 22 January 2019 10:53 AM

To: 9(2)(a) <9(2)(a)@ngaitahu.iwi.nz> 9(2)(a) <9(2)(a)@ngaitahu.iwi.nz>

Subject: Inangahua possum control

Morena 9(2)(a)

VCS has been contracted to undertake possum control in the Inangahua – Reefton area for the purpose of Tb possum control. We have been contracted by OSPRI to undertake the control using 1080 cereal bait applied by aircraft in May–June this year. We last worked this area in 2007. We also completed the ground control adjoining this block last year and will repeat the ground control program again later this year.

I've attached a Jpeg of the control area.

Could you please have a look at the contract area and let us know if there are any sites of significance to Te Runaka o Kati Waewae? Or if there are any concerns or queries that we need to address.

Please feel free to contact me.

Nāku noa.

Nā,

9(2)(a)

**Vector Control Services**

9(2)(a)

9(2)(a)

9(2)(a)

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Neither the recipient nor any other person should act upon it without our separate written authorization of reliance. If you have received this message in error, please notify us immediately and destroy this message.

9(2)(a)

**From:** 9(2)(a)@bdc.govt.nz>  
**Sent:** Monday, 18 February 2019 14:36  
**To:** 9(2)(a)  
**Subject:** RE: OSPRI Possum Control in the Inangahua - Reefton area

Hi 9(2)(a)

Locations of bores as follows:

- Inangahua Bore @ 1512546 mE 5365676 mN
- Reefton @ 1506357 mE 5336194 mN

Both of these are in NZTM projection.

Please send through your final maps once your exclusion zones are known.

Regards

9(2)

9(2)(a)

9(2)(a)@bdc.govt.nz

Buller District Council | Freephone 0800 807 239 | [www.bullerdc.govt.nz](http://www.bullerdc.govt.nz)  
 PO Box 21 | Westport 7866

Community Driven | One Team | Future Focussed | Integrity | We Care

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**From:** 9(2)(a)@wrc.govt.nz>  
**Sent:** Monday, February 18, 2019 11:24 AM  
**To:** 9(2)(a)  
**Cc:** 9(2)(a)  
**Subject:** RE: OSPRI Possum Control in the Inangahua - Reefton area

Morning

I'm just following up on any water supplies the Council may consider affected. My understanding is that Reefton and Inangahua communities water supplies comes from secure bores on the side of the Inangahua River outside of the control areas.



I'm about to prepare and lodge a consent application with the MOH.

If you would like the MOH to consider the impact of the operations on water supplies the Council administers, could you please let me know the locations and any other concerns you may have?

Thanks

9(2)(a)

*Vector Control Services*

9(2)(a)

9(2)(a)

From: 9(2)(a)

Sent: Wednesday, 23 January 2019 1:49 PM

To: 9(2)(a) <9(2)(a)@bdc.govt.nz>

Cc: 9(2)(a) <9(2)(a)@bdc.govt.nz>

Subject: OSPRI Possum Control in the Inangahua - Reefton area

Hi 9(2)(a)

We have been contracted to undertake a possum control operation in the Inangahua-Reefton area in May-June this year. The contract is to apply cereal baits containing 1080 using aircraft.

Could you please have a look at the control area and let me know if any of the water supplies the council administers in the area are affected?

Please feel free to contact me if you have any further queries

Regards

9(2)(a)

*Vector Control Services*

9(2)(a)

9(2)(a)

9(2)(a)

**From:** 9(2)(a)@doc.govt.nz>  
**Sent:** Wednesday, 27 February 2019 14:37  
**To:** 9(2)(a)  
**Subject:** RE: OSPRI possum control Inangahua

Hi 9(2)

Taking into consideration the operational timing we are happy to withdraw the request for the Larry River to be excluded. With regards the Murray Creek track, the exclusion you have is sufficient for the main track, but it would be good if you could add the two side tracks to the list for sow and clear. If possible put warning tape and a sign on those before flying.

Cheers

**From:** 9(2)(a)@wrc.govt.nz>  
**Sent:** Tuesday, 26 February 2019 12:02 p.m.  
**To:** 9(2)(a)@doc.govt.nz>  
**Cc:** 9(2)(a)@doc.govt.nz>; 9(2)(a)@doc.govt.nz>  
**Subject:** RE: OSPRI possum control Inangahua

Hi 9(2)(a)

After consulting with OSPRI about the Departments request for an exclusion in the Larry River, OSPRI has requested if the Department could review the request for an exclusion in this area? The proposed exclusion will leave a hole in the middle of the treatment area that will require annual ground control. We plan to place restricted access tape on the access road to Larry's River and the operation is planned to be completed during the closed season for fishing (closed 30 April to 1st October). We feel there is limited risk to trout fishermen due to the closed season.

Could you also please also check the attached Jpeg? I have drafted the file to exclude the Murray Creek loop track as requested and note there are still two tracks that branch off from Murray Creek track into the Waitahu River and the Inglewood branch track that are still within the control area. Does the Department want these tracks added to the list of track checked and cleared of bait, or are they to be excluded?

Regards

9(2)(a)  
**Vector Control Services**

9(2)(a)

9(2)(a)

**From:** 9(2)(a)@doc.govt.nz]  
**Sent:** Thursday, 24 January 2019 4:25 PM  
**To:** 9(2)(a)@wrc.govt.nz>  
**Cc:** 9(2)(a)@doc.govt.nz> 9(2)(a)@doc.govt.nz>  
**Subject:** RE: OSPRI possum control Inangahua

Howdy 9(2)

I have had a discussion with the Recreation team and come up with the following:

- Kirwans Track – sow and clear
- Murray Creek – Exclude
- Larrys Creek – Sow and Clear the track but exclude the River [There is traditional issues with this one in past aerals as it is a high priority trout site]
- Mount Curtis Hut – what ever buffer Cheryl provides is suitable

Just a reminder that the Te Wharau kiwi programme is operating in the Western Block, so I have CC'd 9(2) and 9(2)(a) in on this email who can touch base with you direct to discuss potential issues etc that relate to their programme in there.

Apart from that nothing else.

Cheers

From: 9(2)(a) <[redacted]@wrc.govt.nz>  
 Sent: Wednesday, 23 January 2019 3:01 p.m.  
 To: 9(2)(a) <[redacted]@doc.govt.nz>  
 Subject: OSPRI possum control Inangahua

Hi 9(2)(a)

VCS has been awarded the Inangahua east and west possum control contracts by OSPRI. The operations are planned to be flown in May-June this year.

The contract is to apply cereal baits using an aircraft for the purpose of controlling Tb possums.

The sowing rates are 1kg/ha of pre feed and 2kg/ha of toxic baits using cinnamon lure.

I've attached .shp files of the proposed control area.

Could you please have a look at the control area for assets managed by the Department and any native non target species that maybe at risk from the proposed control method?

If you have any questions please feel free to contact me.

Regards

9(2)(a)  
**Vector Control Services**

9(2)(a)

9(2)(a)

Caution - This message and accompanying data may contain information that is confidential or subject to legal privilege. If you are not the intended recipient you are notified that any use, dissemination, distribution or copying of this message or data is prohibited. If you received this email in error, please

notify us immediately and erase all copies of the message and attachments. We apologise for the inconvenience. Thank you.

RELEASED UNDER THE OFFICIAL INFORMATION ACT



## PERMISSION FOR USE OF VERTEBRATE TOXIC AGENT(S) AND OTHER HAZARDOUS SUBSTANCE(S)


Approved Hazardous Substance Permission Form Version 5:14 June 2018  
Pursuant to section 95A of the Hazardous Substances and New Organisms Act 1996

<b>To</b>	9(2)(a) [REDACTED]
<b>Of</b>	Department of Conservation 17 High Street PO Box 370 Greymouth
<b>Application Identification Code</b>	19/1228/CB/GRYPH
<b>Operation Name</b>	Te Maruia
<b>Application Location</b>	70,330 ha in Springs Junction, Lewis Pass and Maruia Springs areas
<b>Territorial Local Authority(s)</b>	Buller District Council
<b>Purpose of Operation</b>	Rodent Control

I, Dr Cheryl Brunton, being a person acting under powers delegated by the Environmental Protection Authority (the Authority), GRANT PERMISSION for the USE of the hazardous substance(s) listed in SCHEDULE 1, in the area(s) indicated on the maps in SCHEDULE 3, subject to the CONDITIONS set out in SCHEDULE 1 and SCHEDULE 2 attached hereto for those hazardous substance(s);

This Permission replaces the Permission issued on (date): 2 July 2019

Application Identification Code of replaced/revoked Permission: 19/1209/CB/GRYPH

<p><b>Signed:</b></p>  <p><b>Name:</b> Dr Cheryl Brunton <b>Title:</b> Medical Officer of Health <b>Date Issued:</b> 16 August 2019 <b>This permission expires on:</b> 30 June 2020</p>	<p><b>Contact Person: Mona Andreas</b></p> <p>Community &amp; Public Health 3 Tarapuhi Street PO Box 443 Greymouth 7805 Phone: (03) 768 1160 Fax: 03 768 1169 Email: <a href="mailto:CPHWestCoastVTAPermissions@cdhb.health.nz">CPHWestCoastVTAPermissions@cdhb.health.nz</a></p>
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**Appeals:** Section 125 (1A) of the Hazardous Substances and New Organisms (HSNO) Act: A person may appeal to the District Court against a decision of the Authority, under section 95A about the terms and conditions of a permission held by the person. **Notice of Appeal:** Section 127 of the HSNO Act: Before or immediately after the filing and service of a notice of appeal, the appellant shall serve a copy of the notice on the Authority, and every other party to the proceedings, and any other person who made a submission to the Authority.





**PERMISSION CONDITIONS: SCHEDULE 1**  
**Vertebrate Toxic Agent(s) and/or other Hazardous Substance(s)**

Application Identification Code: 19/1228/CB/GRYPH

Application Location: 70,330 ha in Springs Junction, Lewis Pass and Maruia Springs areas

Vertebrate Toxic Agent or other Hazardous Substance Information			
Vertebrate Toxic Agent or other Hazardous substance: <b>Sodium fluoroacetate</b>	Strength 1.5g/kg	Form Cereal pellets	Application rate <sup>1</sup> 2 - 3 kg/ha
HSNO Approval Number: <b>HSR002424</b>			
Start Date of Application: <b>16 August 2019</b>		Last date of Application: <b>1 December 2019</b>	
Methods of application for this hazardous substance allowed under this permission: <b>Aerial and hand broadcast</b>			

<sup>1</sup> For aerial application only.





## PERMISSION CONDITIONS: SCHEDULE 2

### Vertebrate Toxic Agent(s) and/or other Hazardous Substance(s)

Application Identification Code: 19/1228/CB/GRYPH

Application Location: 70,330 ha in Springs Junction, Lewis Pass and Maruia Springs areas

The requirements specified under the Hazardous Substances and New Organisms 1996 (HSNO) Act, its regulations, EPA Notices and Approvals for Vertebrate Toxic Agents and other hazardous substances granted under the HSNO Act and Health and Safety at Work (Hazardous Substances) Regulations 2017 are requirements, which must be met.

A person acting under a delegation from the Authority may impose additional conditions to address local circumstances. In addition to requirements specified under the HSNO Act and HSW (Hazardous Substances) Regulations, the following conditions shall apply:

#### **CONDITION 1: Start Date**

The applicant shall advise the Health Protection Officer at Community & Public Health (West Coast) of the commencement of the application of the VTA(s), at least 24 hours before commencing application.

#### **CONDITION 2: Changes to Permission**

The applicant shall advise the Health Protection Officer at Community & Public Health (West Coast) of any material changes to the applicant's proposed operation (such as changes in operational areas and application types/ rates).

#### **CONDITION 3: Information Sign Removal**

The applicant shall advise Health Protection Officer, Community & Public Health (West Coast) in writing of their intention to remove information signs, specified in conditions 10, 12, 16, 19 and 20, from the operational area.

#### **CONDITION 4: Complaints and Incidents**

All incidents or complaints relating to the operation shall be reported to the Health Protection Officer at Community & Public Health (West Coast) within 24 hours of the incident or complaint.

#### **CONDITION 5: Duration of Permission**

This approval is granted for the period commencing **16 August 2019 to 30<sup>th</sup> June 2020**. The Health Protection Officer at Community & Public Health (West Coast) shall be notified if there is any alteration to the intended date of the application.

If the applicant wishes to continue the operation after this date, they should contact Community & Public Health (West Coast) at least two weeks before the expiry date of the original approval period.

Within the duration of this permission toxins may not be applied in publicly accessible areas during school holidays or public holidays or within 24 hours of the start of such holidays.

No operation may be extended beyond 12 months from the original start date.



**CONDITION 6: Landowner Notification**

Before commencing the operation, the applicant shall notify occupiers and, as far as practicable, owners of land, dwellings or buildings within the operational area and immediately abutting the operational area.

The notice must be given sufficiently prior to, but within two months of, the proposed application of the VTA(s). If requested by the person notified, notification shall be repeated at a mutually agreed time before the proposed application.

The notice shall specify:

- i. the approximate date on which the VTA(s) will be applied
- ii. the name and nature of the VTA(s)
- iii. a description of the area over which the VTA(s) will be applied
- iv. the name and address of the person responsible for applying the VTA(s)
- v. information on safety and precautions with respect to the VTA(s) being used.

**CONDITION 7: School Notification**

Before commencing the operation, the applicant shall notify schools, kōhanga reo, kindergartens and early childhood centres that are known to use the operational area. The notice must be given sufficiently prior to, but within two months of, the proposed application of the VTA(s).

- Maruia School

If requested by the institution notified, notification shall be repeated at a mutually agreed time before the proposed application. The notice shall specify:

- i. the approximate date on which the VTA(s) will be applied
- ii. the name and nature of the VTA(s)
- iii. a description of the area over which the VTA(s) will be applied
- iv. the name and address of the person responsible for applying the VTA(s)
- v. information on safety and precautions with respect to the VTA(s) being used

**CONDITION 8: Health Services Notification**

The applicant shall notify the nearest/ local health services of the proposed application of the VTA(s). Nearest/ local health services include GPs and other primary health services, ambulance services and hospitals.

- Reefton Medical Centre
- Coast Medical
- Buller Medical Services
- Grey Base Hospital

The notice must be given sufficiently prior to, but within two months of, the proposed application of the VTA(s). The notice shall specify:

- i. the approximate date on which the VTA(s) will be applied
- ii. the name and nature of the VTA(s).
- iii. a description of the area over which the VTA(s) will be applied
- iv. the name and address of the person responsible for applying the VTA(s)
- v. information on safety and precautions with respect to the VTA(s) being used.

**CONDITION 9: Public Notification:**

The applicant shall give public notice in the following media (e.g. newspapers, community newsletters) of the proposed application of the VTA(s):

- The Westport News
- The Grey Star
- The West Coast Messenger

The notice must be given sufficiently prior to, but within two months of, the proposed application of the VTA(s). The notice shall specify:

- i. the approximate date the VTA(s) will be applied
- ii. the name and nature of the VTA(s)
- iii. a description of the area over which the VTA(s) will be applied
- iv. the location(s) where the public may view maps of the area over which the VTA(s) will be applied and the times when such maps can be viewed
- v. the name and address of the person responsible for applying the VTA(s).

The applicant must provide a copy of the public notice, and the date(s) and media in which it was published to Community & Public Health (West Coast) before commencing the operation.

**CONDITION 10: Exclusion from Public Areas**

No Vertebrate Toxic Agent (VTA) shall be ground applied within 20 metres, by trickle bucket within 40 metres or aerially applied within 60 metres of, and not where it is within sight of, the following access points and public areas:

- Marble Hill Shelter, picnic, camping area and carpark
- Maruia Springs Thermal Resort (including water supply intake and reservoirs)
- Manson – Nicholls Memorial construction site
- Lake Christabel Track – layby/carparking area
- Lake Christabel Hut
- Lake Stream Hut
- Rough Creek Track – carparking area
- Pell Stream Hut
- Blackadder Hut
- Thomson Flat Huts
- Wilderness Lands Co 4x4 Hut
- Any other tramping huts, bivvies/shelters, formal tent camping sites, formal picnic areas boat launching sites or river access points in the area
- Any laybys and publicly accessible road entrances to 4WD or walking tracks

All huts or campsites within the operational area shall be visited on the day prior to the application of the VTA in order to warn trampers and campers, if present, and to erect information signage at the hut or campsite.

- Any visitor(s) present in the operational area should be advised to leave before the VTA application takes place.
- Any visitor(s) who decline to leave the operational area should be advised to remain in the hut/campsite until VTA application has been completed and first clearances have begun.

**CONDITION 12: Exclusion from Roads**

No VTA shall be ground applied within 20 metres, by trickle bucket within 40 metres or aurally applied within 80 metres of the following roads and where possible all baits and bait stations shall be out of sight of roads and lay-bys:

- State Highway 7
- State Highway 65
- Westbank Road
- Palmers Road
- Any publicly accessible road entrances to 4x4 tracks within the operational area

**CONDITION 13: Exclusion from Dwellings**

No VTA shall be applied within 150 metres of (or within a different distance if mutually agreed in writing with the occupiers), and not be visible from, dwellings or built-up areas.

**CONDITION 14: Exclusion from Schools and Early Childhood Centres**

No VTA shall be applied within 150 metres of (or a greater distance if mutually agreed in writing with the occupiers), and not where it is visible from, the following school(s), kindergartens, kōhanga reo and early

- Maruia School

**CONDITION 15: Aerial Exclusions**

An aircraft that is carrying out an aerial application must not, when flying to or from the area where the VTA is applied, fly over the following 'no fly' areas:

- Public drinking water supplies
- Within 100 metres upstream of a drinking water intake.

**CONDITION 16: Aerial Applications to Tracks and First Clearances**

The applicant may aurally apply 1080 to the following walking and vehicle tracks but not during or within 24 hours of the start of school holidays, public holidays or public holiday weekends:

- Mt Haast Track
- Rough Creek Track
- Christabel Track
- Lake Daniell Track
- Lake Stream Track
- Lewis Tops Track
- Alfred River 4x4 Track [this road is closed to vehicle traffic permanently]
- Station Creek Road

Immediately prior to the application of 1080 to the above listed tracks, they shall be closed temporarily by means of warning tape and signage at each end of the affected section until first clearances have taken place.

If the applicant aurally applies 1080 to any of the above tracks, they shall inspect those tracks as soon as possible and not more than 24 hours after the VTA application and make reasonable efforts to find and remove all bait and, if encountered, animal carcasses.

**CONDITION 17: Second Clearances**

The applicant shall undertake a second inspection of the following walking and vehicle tracks and make reasonable efforts to find and remove all bait and, if encountered, animal carcasses:

- Mt Haast Track
- Rough Creek Track
- Christabel Track
- Lake Daniell Track
- Lake Stream Track
- Lewis Tops Track
- Alfred River 4x4 Track
- Station Creek Road

The second inspection shall be made within 7 days of the VTA application. It should be limited to take place either:

- i. immediately after the occurrence of strong winds; or
- ii. immediately before the weekend or commencement of school holidays or public holidays; whichever occurs first.

**CONDITION 18: GPS Track Logs**

A GPS log shall be recorded and maintained for each track clearance and made available to the Health Protection Officer at Community & Public Health (West Coast) on request.

**CONDITION 19: Information Sign Contents**

All information signs shall include the following or similar:

- A map of the application area
- Contact details for the person responsible for the operation
- A picture of the VTA being used in the operation
- Precautions and risk information on the VTA
- Advice to avoid drinking water from streams during and for 48 hours after the VTA application

**CONDITION 20: Information Sign Maintenance**

During the period in which the bait remains toxic, all information signs on public roads and at public track entrances shall be inspected as follows:

- Within 24 hours of completion of the VTA application, and
- within seven days of completion of the VTA application, and
- monthly thereafter.

If the applicant becomes aware that any information sign has become damaged, vandalised or otherwise become illegible, the applicable sign shall be replaced within 24 hours (or the shortest practicable time) of discovery or notification of the damage.

## Contamination of water supplies

### CONDITION 22: Domestic Water Supply: Notification

The applicant shall notify the intended operation to all people who:

- Source their domestic water supply from within the operational area; or
- Source their domestic water supply within 3 kilometres of the operational area where the water source is a surface waterway that flows through or rises within the operational area.

The notice must be given sufficiently prior to, but within two months of, the proposed application of the VTA(s).

If requested by the person notified, notification shall be repeated at a mutually-agreed time before the proposed application.

### CONDITION 23: Domestic Water Supply: Location

The applicant shall verify the location of water supplies with all people who:

- Source their domestic water supply from within the operational area; or
- Source their domestic water supply within 3 kilometres of the operational area, where the water source is a surface waterway that flows through or rises within the operational area.

A GPS waypoint file of water supply intakes shall be recorded and made available to the Health Protection Officer at Community & Public Health (West Coast) on request.

### CONDITION 25: Domestic Water Supply: Mitigation

For an aerial application of 1080, applicants must provide mitigation to all households and huts/camping areas that:

- source water from inside the operational area; or
- source their domestic water supply within 3 kilometres of the operational area where the water source is a surface waterway that flows through or rises within the operational area if mitigation is requested by household occupiers or managers of huts/camping grounds.

Mitigation shall involve either or both of the following:

- No 1080 shall be applied within 50 metres of the water supply intakes. For flowing surface waterways, the 50 metre exclusion shall extend for a length of 200 metres upstream from the point of intake.
- The domestic water supply shall be temporarily disconnected until such time as water testing finds no evidence of VTA contamination. If no temporary water source is available, an adequate alternative potable water supply (to be used for drinking and cooking) shall be provided to the affected household; the amount per day to be agreed with the householder, until testing is completed.

### CONDITION 26: Water Supply Testing

The water testing shall conform to the requirements of Centox Laboratories, Landcare Ltd.

Where water testing reveals any VTA contamination, the alternative potable water supply shall be maintained until such time as a repeat test confirms there is no VTA contamination present.



**CONDITION 27: Public Water Supplies: Notification**

The applicant shall notify the details of the intended operation to all managers of public water supplies who:

- Source their public water supply from within the operational area; or
- Source their public water supply within 3 kilometres of the operational area where the water source is a surface waterway that flows through or rises within the operational area.

The notice must be given sufficiently prior to, but within two months of, the proposed application of the VTA(s).

If requested by the person notified, notification shall be repeated at a mutually-agreed time before the proposed application.

**CONDITION 28: Public Water Supplies: Location**

The applicant shall mutually verify the location of public water supply intakes with all water supply managers who:

- Source their public water supply from within the operational area; or
- Source their public water supply within 3 kilometres of the operational area where the water source is a surface waterway that flows through or rises within the operational area.

A GPS waypoint file of water supply intakes shall be recorded and made available to the Health Protection Officer at Community & Public Health (West Coast) on request.

**CONDITION 30: Public Water Supplies: Mitigation**

For an aerial application of 1080, applicants must provide mitigation to all public water supplies that:

- source their public water supply from within the operational area; or
- source their public water supply within 3 km of the operational area where the water source is a surface waterway that flows through or rises within the operational area.

Mitigation shall be mutually agreed in writing between the applicant and water supply managers and involve either or both of the following:

- No 1080 shall be applied within 200 metres of the water supply intakes. For flowing surface watercourses, the 200 metres exclusion shall be extended to 400 metres upstream of the point of intake.
- If an interim water supply is available, the affected water supply shall be temporarily disconnected until such time as water testing finds no VTA contamination.

**CONDITION 31: Water Supply Mitigation: Reporting**

The applicant shall maintain a list of water mitigation measures provided under Conditions 25 and 30, which shall be available, on request, to the Health Protection Officer at Community & Public Health (West Coast).

**CONDITION 32: Water Supply Testing: Reporting**

The applicant shall provide, or arrange for the provision of, the outcome of all water testing to the Health Protection Officer at Community & Public Health (West Coast) within 24 hours of receipt of the testing results.

In the event that water testing reveals any VTA contamination, the applicant shall discuss any further proposed mitigation measures with the Health Protection Officer at Community & Public Health (West Coast) within 24 hours of receipt of the testing results. and continue testing until no VTA contamination is detected.

**Additional Conditions****CONDITION 33: Operators Log**

An operator's log or report must be compiled of activities associated with the aerial application and a copy of this log is to be forwarded to the Health Protection Officer at Community & Public Health (West Coast) within four weeks of the date of the vertebrate toxic agent being laid.

The log shall include:

- i. Time, date and place of the application
- ii. Amount of vertebrate toxic agent applied and its formulation
- iii. List of supervising operators
- iv. Names of subcontractors with services provided
- v. Name, address and rating number of pilot(s)
- vi. Any incidents that occurred and problems that arose during the operation, including the investigation undertaken and where necessary the remedial actions taken
- vii. Any involuntary transgressions of the conditions in this approval, including an explanation of each transgression and the remedial actions taken
- viii. Copy of GPS printouts of toxic flight lines

**CONDITION 34: Trickle Bucket**

If a trickle bucket is used the applicant must supply a map of the area that 1080 is to be aially applied to before the operation and a GPS track record print out from the helicopter after the operation.

**PERMISSION CONDITIONS: SCHEDULE 3 Map(s)  
Vertebrate Toxic Agent(s) and/or other Hazardous Substance(s)**

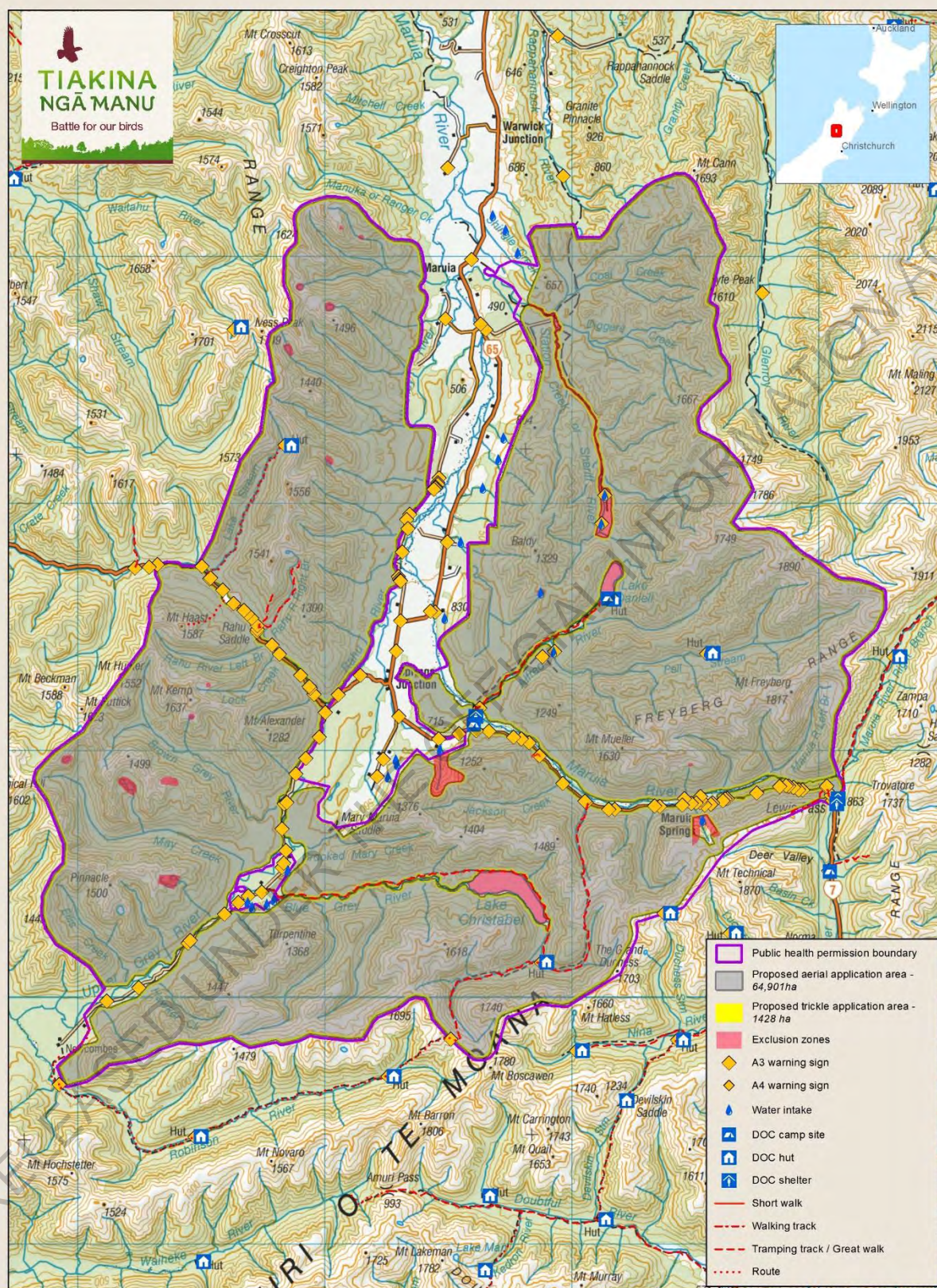
Application Identification Code: 19/1228/CB/GRYPH

Operation Location: 70,330 ha in Springs Junction, Lewis Pass and Maruia Springs areas

RELEASED UNDER THE OFFICIAL INFORMATION ACT

*CAB*





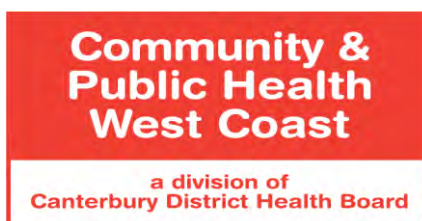
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NZGD 2000 New Zealand Transverse Mercator  
Not for navigation  
Crown Copyright Reserved  
Basemap: LINZ Topo5000250  
DOC, Geospatial Services  
2/07/2019  
© Maruia, www.maruia.co.nz  
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Department of  
Conservation  
*Te Papa Atawhai*  
New Zealand Government

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## PERMISSION FOR USE OF VERTEBRATE TOXIC AGENT(S) AND OTHER HAZARDOUS SUBSTANCE(S)

Approved Hazardous Substance Permission Form Version 5:14 June 2018  
Pursuant to section 95A of the  
Hazardous Substances and New Organisms Act 1996

**To** 9(2)(a)

**Of** Vector Control Services  
PO Box 453  
Greymouth 7840

**Application Identification Code** 19/1183/CB/GRYPH

**Operation Name** Inangahua East & West

**Application Location \*** 42,418 ha of land in Inangahua and Reefton areas

**Territorial Local Authority(s) \*** Buller District Council

**Purpose of Operation \*** Possum Control

I, Dr Cheryl Brunton, being a person acting under powers delegated by the Environmental Protection Authority (the Authority), **GRANT PERMISSION** for the **USE** of the hazardous substance(s) listed in **SCHEDULE 1**, in the area(s) indicated on the maps in **SCHEDULE 3**, subject to the **CONDITIONS** set out in **SCHEDULE 1** and **SCHEDULE 2** attached hereto for those hazardous substance(s);

This Permission replaces the Permission issued on (date): *(insert date here)*

Application Identification Code of replaced/revoked Permission: *(insert code here)*

**Signed:**

**Name:** Dr Cheryl Brunton

**Title:** Medical Officer of Health

**Date Issued:** 29 April 2019

**This permission expires on:** 30 April 2020

**Contact Person:**

**Mona Andreas**

Community & Public Health

3 Tarapuhi Street

PO Box 443

Greymouth 7805

Phone: (03) 768 1160

Fax: 03 768 1169

Email:

[CPHWestCoastVTAPermissions@cdhb.health.nz](mailto:CPHWestCoastVTAPermissions@cdhb.health.nz)

**Appeals:** Section 125 (1A) of the Hazardous Substances and New Organisms (HSNO) Act: A person may appeal to the District Court against a decision of the Authority, under section 95A about the terms and conditions of a permission held by the person.

**Notice of Appeal:** Section 127 of the HSNO Act: Before or immediately after the filing and service of a notice of appeal, the appellant shall serve a copy of the notice on the Authority, and every other party to the proceedings, and any other person who made a submission to the Authority.

**PERMISSION CONDITIONS: SCHEDULE 1**  
**Vertebrate Toxic Agent(s) and/or other Hazardous Substance(s)**

Application Identification Code: 19/1183/CB/GRYPH

Application Location: 42,418 ha of land in Inangahua and Reefton areas

Vertebrate Toxic Agent or other Hazardous Substance Information			
Vertebrate Toxic Agent:	Strength	Form	Application rate <sup>1</sup>
Sodium monofluoroacetate	1.5g/kg	Pellets	2 kg/ha
HSNO Approval Number: <b>HSR002424</b>			
Start Date of Application: <b>01 May 2019</b>		Last date of Application: <b>10 December 2019</b>	
Methods of application for this hazardous substance allowed under this permission: <b>Aerial and Hand Broadcast.</b>			

<sup>1</sup> For aerial application only.



## PERMISSION CONDITIONS: SCHEDULE 2

### Vertebrate Toxic Agent(s) and/or other Hazardous Substance(s)

Application Identification Code: 19/1183/CB/GRYPH

Application Location: 42,418 ha of land in Inangahua and Reefton areas

The requirements specified under the Hazardous Substances and New Organisms 1996 (HSNO) Act, its regulations, EPA Notices and Approvals for Vertebrate Toxic Agents and other hazardous substances granted under the HSNO Act and Health and Safety at Work (Hazardous Substances) Regulations 2017 are requirements, which must be met.

A person acting under a delegation from the Authority may impose additional conditions to address local circumstances. In addition to requirements specified under the HSNO Act and HSW (Hazardous Substances) Regulations, the following conditions shall apply:

#### CONDITION 1: Start Date

The applicant shall advise the Health Protection Officer at Community & Public Health (West Coast) of the commencement of the application of the VTA(s), at least 24 hours before commencing application.

#### CONDITION 2: Changes to Permission

The applicant shall advise the Health Protection Officer at Community & Public Health (West Coast) of any material changes to the applicant's proposed operation (such as changes in operational areas and application types/ rates).

#### CONDITION 4: Complaints and Incidents

All incidents or complaints relating to the operation shall be reported to the Health Protection Officer at Community & Public Health (West Coast) within 24 hours of the incident or complaint.

#### CONDITION 5: Duration of Permission

This approval is granted for the period commencing **01 May 2019 to 30 April 2020**. The Health Protection Officer at Community & Public Health (West Coast) shall be notified if there is any alteration to the intended date of the application.

If the applicant wishes to continue the operation after this date, they should contact Community & Public Health (West Coast) at least two weeks before the expiry date of the original approval period.

Within the duration of this permission toxins may not be applied in publicly accessible areas during school holidays or public holidays or within 24 hours of the start of such holidays.

No operation may be extended beyond 12 months from the original start date.

#### CONDITION 6: Landowner Notification

Before commencing the operation, the applicant shall notify occupiers and, as far as practicable, owners of land, dwellings or buildings within the operational area and immediately abutting the operational area.

The notice must be given sufficiently prior to, but within two months of, the proposed application of the VTA(s). If requested by the person notified, notification shall be repeated at a mutually agreed time before the proposed application.

The notice shall specify:

- i. the approximate date on which the VTA(s) will be applied
- ii. the name and nature of the VTA(s)
- iii. a description of the area over which the VTA(s) will be applied
- iv. the name and address of the person responsible for applying the VTA(s)
- v. information on safety and precautions with respect to the VTA(s) being used.

**CONDITION 7: School Notification**

Before commencing the operation, the applicant shall notify schools, kōhanga reo, kindergartens and early childhood centres that are known to use the operational area. The notice must be given sufficiently prior to, but within two months of, the proposed application of the VTA(s).

- Inangahua School
- Reefton Area School
- Sacred Heart School

If requested by the institution notified, notification shall be repeated at a mutually agreed time before the proposed application. The notice shall specify:

- i. the approximate date on which the VTA(s) will be applied
- ii. the name and nature of the VTA(s)
- iii. a description of the area over which the VTA(s) will be applied
- iv. the name and address of the person responsible for applying the VTA(s)
- v. information on safety and precautions with respect to the VTA(s) being used.

**CONDITION 8: Health Services Notification**

The applicant shall notify the nearest/ local health services of the proposed application of the VTA(s). Nearest/ local health services include GPs and other primary health services, ambulance services and hospitals.

- Greymouth Hospital
- Reefton Medical Centre
- Buller Medical Services
- Coast Medical, Westport

The notice must be given sufficiently prior to, but within two months of, the proposed application of the VTA(s). The notice shall specify:

- i. the approximate date on which the VTA(s) will be applied
- ii. the name and nature of the VTA(s).
- iii. a description of the area over which the VTA(s) will be applied
- iv. the name and address of the person responsible for applying the VTA(s)
- v. information on safety and precautions with respect to the VTA(s) being used.

**CONDITION 9: Public Notification**

The applicant shall give public notice in the following media (e.g. newspapers, community newsletters) of the proposed application of the VTA(s):

- The Westport News
- The West Coast Messenger

The notice must be given sufficiently prior to, but within two months of, the proposed application of the VTA(s). The notice shall specify:

- i. the approximate date the VTA(s) will be applied
- ii. the name and nature of the VTA(s)
- iii. a description of the area over which the VTA(s) will be applied
- iv. the location(s) where the public may view maps of the area over which the VTA(s) will be applied and the times when such maps can be viewed
- v. the name and address of the person responsible for applying the VTA(s).

The applicant must provide a copy of the public notice, and the date(s) and media in which it was published to Community & Public Health (West Coast) before commencing the operation.

## Accidental Direct Exposure to VTAs

### CONDITION 10: Exclusion from Public Areas

No Vertebrate Toxic Agent (VTA) shall be ground applied within 20 metres or aerially applied within 80 metres of, and not where it is within sight of, the following access points and public areas:

- Mount Curtis Hut
- Heaphy Mine
- Boatmans Mine
- Reddale Mine
- Any other bivvies/shelters, boat ramps, camping sites and picnic areas in the operational area.

### CONDITION 11: Exclusion from Walking and Vehicle Tracks

No VTA shall be ground applied within 20 metres or aerially applied within 80 metres of walking and vehicle tracks, and where possible all baits and bait stations shall be out of sight of walking and vehicle tracks:

- Murray Creek Track
- Murray Creek Loop Walking Track
- Konini Track

### CONDITION 12: Exclusion from Roads

No VTA shall be ground applied within 20 metres or aerially applied within 80 metres of the following roads and where possible all baits and bait stations shall be out of sight of roads and lay-bys:

- State Highway 6
- State Highway 69
- Heaphys Road
- Blairs Road
- Burkes Creek Road
- Gannons Road
- Perseverance Road
- O'Regans Road
- Waitahu River Road
- Boatmans Road
- Any publicly accessible road entrances to 4WD and unnamed forestry roads in the operational area

### CONDITION 13: Exclusion from Dwellings

No VTA shall be applied within 150 metres of (or within a different distance if mutually agreed in writing with the occupiers, or as specified below), and not be visible from, dwellings or built-up areas, including the following:

- Reefton township (400 metres)
- Inangahua township (400 metres)

### CONDITION 15: Aerial Exclusions

An aircraft that is carrying out an aerial application must not, when flying to or from the area where the VTA is applied, fly over the following 'no fly' areas:

- Public drinking water supplies
- Within 100 metres upstream of a drinking water intake.

**CONDITION 16: Aerial Applications to Tracks and First Clearances**

The applicant may aerially apply 1080 to the following walking and vehicle tracks but not during or within 24 hours of the start of school holidays, public holidays or public holiday weekends:

- Unnamed forestry roads associated with Larry's River, Boatmans and Perseverance Roads
- Gannons to Capleston Track
- Capleston to Kirwan's Hut Track
- Waitahu River 4x4 Track
- Waitahu River Track to Murray Creek Track
- Larry's River Road
- Larry's Creek Track
- Inglewood Branch Track
- Caledonian Mine site
- Power transmission pylon access 4x4 tracks
- Any publicly accessible unnamed walking, cycling and vehicle forestry roads and tracks in the operational area.

Immediately prior to the application of 1080 to the above listed tracks/roads, they shall be closed temporarily by means of warning tape and signage, or closure and locking of gates where these exist, at each end of the affected section until first clearances have taken place.

If the applicant aerially applies 1080 to any of the above tracks/roads, they shall inspect those tracks/roads as soon as possible and not more than 24 hours after the VTA application and make reasonable efforts to find and remove all bait and, if encountered, animal carcasses.

**CONDITION 17: Second Clearances**

The applicant shall undertake a second inspection of the following walking and vehicle tracks and make reasonable efforts to find and remove all bait and, if encountered, animal carcasses:

- Unnamed forestry roads in Larry's River, Boatmans and Perseverance Roads
- Gannons to Capleston Track
- Capleston to Kirwans Hut Track
- Waitahu River 4x4 Track
- Waitahu River Track to Murray Creek Track
- Larry's Creek Track
- Inglewood Branch Track

The second inspection shall be made at least 24 hours after the VTA application. It should be timed to take place either:

- i. immediately after the occurrence of strong winds; or
- ii. immediately before the weekend or commencement of school holidays or public holidays; whichever occurs first.

**CONDITION 18: GPS Track Logs**

A GPS log shall be recorded and maintained for each track clearance and made available to the Health Protection Officer at Community & Public Health (West Coast) on request.

## Contamination of water supplies

### CONDITION 22: Domestic Water Supply: Notification

The applicant shall notify the intended operation to all people who:

- Source their domestic water supply from within the operational area; or
- Source their domestic water supply within 200 metres for ground or 3 kilometres of the operational area where the water source is a surface waterway that flows through or rises within the operational area.

The notice must be given sufficiently prior to, but within two months of, the proposed application of the VTA(s).

If requested by the person notified, notification shall be repeated at a mutually-agreed time before the proposed application.

### CONDITION 23: Domestic Water Supply: Location

The applicant shall verify the location of water supplies with all people who:

- Source their domestic water supply from within the operational area; or
- Source their domestic water supply within 200 metres for ground application or 3 kilometres of the operational area, where the water source is a surface waterway that flows through or rises within the operational area.

A GPS waypoint file of water supply intakes shall be recorded and made available to the Health Protection Officer at Community & Public Health (West Coast) on request.

### CONDITION 24: Domestic Water Supply: Exclusions

No VTA shall be ground-laid within 20 metres of domestic water supply intakes that source water from within the operational area. For flowing surface watercourses, the 20 metres exclusion shall extend for a length of 50 metres upstream from the point of intake.

### CONDITION 25: Domestic Water Supply: Mitigation

For an aerial application of 1080, applicants must provide mitigation to all households and huts/ camping areas that:

- source water from inside the operational area; or
- source their domestic water supply within 3 kilometres of the operational area where the water source is a surface waterway that flows through or rises within the operational area if mitigation is requested by household occupiers or managers of huts/ camping grounds.

Mitigation shall involve either or both of the following:

- No 1080 shall be applied within 50 metres of the water supply intakes. For flowing surface waterways, the 50 metre exclusion shall extend for a length of 200 metres upstream from the point of intake.
- The domestic water supply shall be temporarily disconnected until such time as water testing finds no evidence of VTA contamination. If no temporary water source is available, an adequate alternative potable water supply (to be used for drinking and cooking) shall be provided to the affected household; the amount per day to be agreed with the householder, until testing is completed.

### CONDITION 26: Water Supply Testing

The water testing shall conform to the requirements of Centox Laboratories, Landcare Ltd.

Where water testing reveals any VTA contamination, the alternative potable water supply shall be maintained until such time as a repeat test confirms there is no VTA contamination present.

**CONDITION 27: Public Water Supplies: Notification**

The applicant shall notify the details of the intended operation to all managers of public water supplies who:

- Source their public water supply from within the operational area; or
- Source their public water supply within 3 kilometres of the operational area where the water source is a surface waterway that flows through or rises within the operational area.

The notice must be given sufficiently prior to, but within two months of, the proposed application of the VTA(s).

If requested by the person notified, notification shall be repeated at a mutually-agreed time before the proposed application.

**CONDITION 28: Public Water Supplies: Location**

The applicant shall mutually verify the location of public water supply intakes with all water supply managers who:

- Source their public water supply from within the operational area; or
- Source their public water supply within 3 kilometres of the operational area where the water source is a surface waterway that flows through or rises within the operational area.

A GPS waypoint file of water supply intakes shall be recorded and made available to the Health Protection Officer at Community & Public Health (West Coast) on request.

**CONDITION 29: Public Water Supplies: Exclusions**

No VTA shall be ground-laid within 50 metres of public water supply intakes that source water within the operational area. For flowing surface watercourses, the 50 metre exclusion shall extend for a length of 100 metres upstream from the point of intake.

**CONDITION 30: Public Water Supplies: Mitigation**

For an aerial application of 1080, applicants must provide mitigation to all public water supplies that:

- source their public water supply from within the operational area; or
- source their public water supply within 200 metres or 3 km of the operational area where the water source is a surface waterway that flows through or rises within the operational area.

Mitigation shall be mutually agreed in writing between the applicant and water supply managers and involve either or both of the following:

- No 1080 shall be applied within 200 metres of the water supply intakes. For flowing surface watercourses, the 200 metres exclusion shall be extended to 400 metres upstream of the point of intake.
- If an interim water supply is available, the affected water supply shall be temporarily disconnected until such time as water testing finds no VTA contamination.

**CONDITION 31: Water Supply Mitigation: Reporting**

The applicant shall maintain a list of water mitigation measures provided under Conditions 25 and 30, which shall be available, on request, to the Health Protection Officer at Community & Public Health (West Coast).



**CONDITION 32: Water Supply Testing: Reporting**

The applicant shall provide, or arrange for the provision of, the outcome of all water testing to the Health Protection Officer at Community & Public Health (West Coast) within 24 hours of receipt of the testing results.

In the event that water testing reveals any VTA contamination, the applicant shall discuss any further proposed mitigation measures with the Health Protection Officer at Community & Public Health (West Coast) within 24 hours of receipt of the testing results. and continue testing until no VTA contamination is detected.

**Additional Conditions****CONDITION 33: Operators Log**

An operator's log or report must be compiled of activities associated with the aerial application and a copy of this log is to be forwarded to the Health Protection Officer at Community & Public Health (West Coast) within four weeks of the date of the vertebrate toxic agent being laid.

The log shall include:

- i. Time, date and place of the application
- ii. Amount of vertebrate toxic agent applied and its formulation
- iii. List of supervising operators
- iv. Names of subcontractors with services provided
- v. Name, address and rating number of pilot(s)
- vi. Any incidents that occurred and problems that arose during the operation, including the investigation undertaken and where necessary the remedial actions taken
- vii. Any involuntary transgressions of the conditions in this approval, including an explanation of each transgression and the remedial actions taken
- viii. Copy of GPS printouts of toxic flight lines

**CONDITION 34: Trickle Bucket**

If a trickle bucket is used the applicant must supply a map of the area that 1080 is to be aerially applied to before the operation and a GPS track record print out from the helicopter after the operation.

**PERMISSION CONDITIONS: SCHEDULE 3 Map(s)**  
**Vertebrate Toxic Agent(s) and/or other Hazardous Substance(s)**

Application Identification Code: 19/1183/CB/GRYPH

Operation name: 42,418 ha of land in Inangahua and Reefton areas

RELEASED UNDER THE OFFICIAL INFORMATION ACT





