

TIMARU CREEK AERIAL 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 reach 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 is used when planning operations.

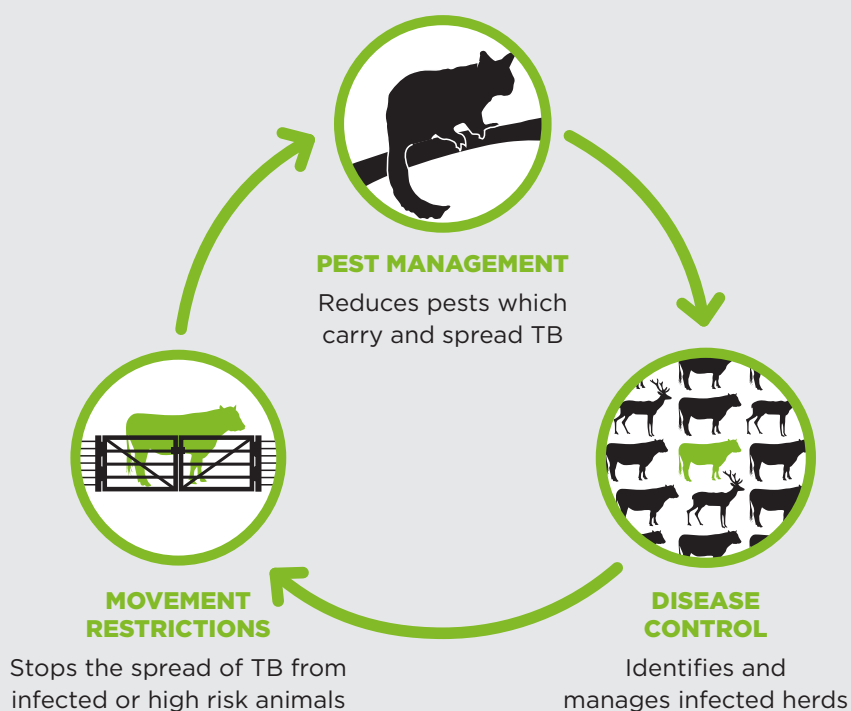


TARGETING POSSUMS

We're running a possum control operation in the Timaru Creek area (please see map provided for the operation area). It will cover 6,285 hectares.

To eradicate bovine TB, possum numbers need to be kept extremely low – around one to two animals every 10 hectares. Monitoring has shown that further control work is needed in the Timaru Creek area to reduce

HOW WE CONTROL TB



the possum population and minimise the risk of the disease spreading through wild animal populations and onto farmed cattle and deer. Historically, TB was well established in the Timaru Creek TMA and still is.

While there is little stock grazing available, cattle herds in the wider area have been infected. Pigs infected with TB have recently been detected in the Timaru Creek area and an infected ferret was found nearby.



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. Subsequently (typically two to three weeks later and dependent on a suitable weather window), 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 every 60 square metres.

To support the recreational use of the area, around 40% of the operation will be treated with 1080 baits coated in deer repellent. A study by Landcare Research will also be conducted to

further build our knowledge on the effects that 1080 and repellent have for deer populations, as well as the impacts on tahr.

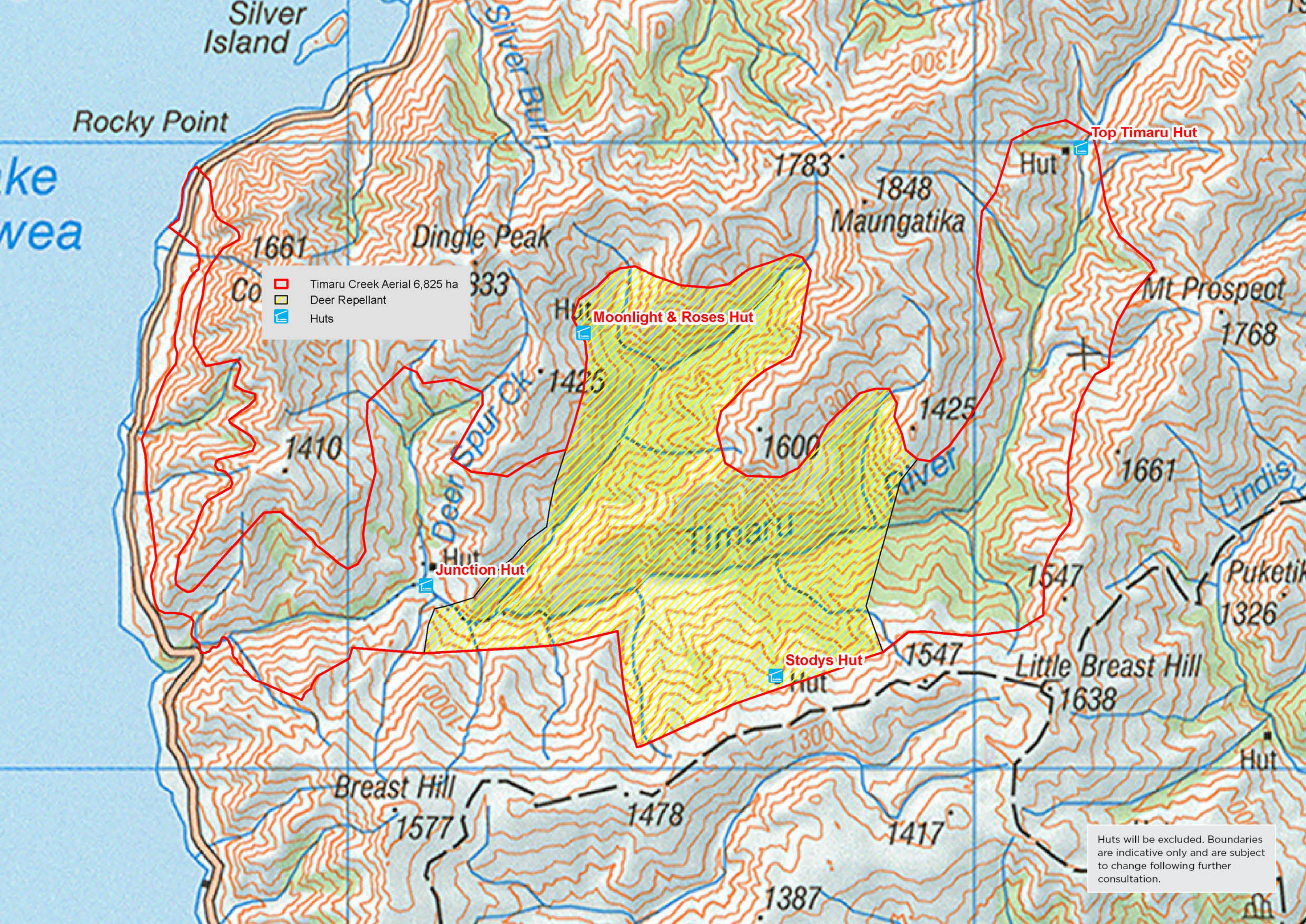
The Timaru Creek operation will be subject to strict safety, quality-assurance and monitoring requirements. Advanced GPS navigational equipment will be used to ensure the pellets are accurately placed and exclusion zones avoided.

THE METHOD

A vast majority of possum control in the region is done by local 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



Top: 1080 bait. Bottom: Baits covered in deer repellent. The non-toxic pre-feed pellets are brownish-tan while the toxic baits are green.





New Zealand Falcon

been extremely successful at knocking possum numbers down to very low levels in the past. It is preferred in areas like Timaru Creek due to 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 to read this report.

WHAT HAPPENS NOW

This operation will commence from late April 2018. A contractor will be completing 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. Consents from the Department of Conservation and Public Health South 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.



Piwakawaka (fantail)

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 as 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. It's an offence to sell meat products that have been

exposed to 1080. Hunting can resume approximately four months following the control work, or after two months if 100mm of rain has fallen.

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

Free dog muzzles will be provided on request. Please contact OSPRI on 03 477 9829 to obtain a muzzle.



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.



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

Southern South Island

P 03 477 9829

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ospri.co.nz

Contractor

Operations Controller
High Country Contracting

P 021 194 6103

E grant@highcountrycontracting.co.nz

For more information on controlling bovine TB and why 1080 is used in New Zealand, visit 1080facts.co.nz

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.

