

From: Graham Sperry [graham@lures.co.nz]
Sent: 11 August 2011 09:15
To: Graham Sperry
Subject: Interesting costs from the Stoat report you received yesterday.
NZWBM members.

For your information.

Identifying long-term cost-effective approaches to stoat control

A review of sixteen sites in 2002
DOC SCIENCE INTERNAL SERIES 137
Kerry Brown

8. Tongariro Kiwi Sanctuary

Site description **16 000 ha**, lowland podocarp/hardwood forest, administered by Tongariro/Taupo Conservancy.

Objectives Assess the effect of a one off large-scale 1080 operation on kiwi chick survival; grow the kiwi population by 12% by 2004.

Methods 1080—2 kg/ha Wanganui 7 @ 0.15 toxic, September 2001. Target species possums, stoats, and rats.

Confounding treatments Aerial 1080 in 1995 and 1996; small scale (250 ha) mustelid trapping up until 1999. Non-target predators likely poisoned (primary and secondary) include: cats, ferrets, hedgehogs, mice, and weasels.

Result monitoring (trap catch) Tracking tunnels (Craig Gillies model) showed stoat tracking stopped after 1080 operation; February

one set of tracks only out of 420 tunnel nights.

Costs (person effort) \$450 000 for 1080 operation. Tracking tunnel monitoring: 60 person days/annum (5 people × 3 days × 4 times/annum). Set up tunnels: about 30 person days; kiwi monitoring: 9 months/annum; project management: 120 hours/annum.

Performance measures Wild hatch kiwi chick (N = 20) survival.

Outcome monitoring results Kiwi chick survival high initially, declined dramatically within four months of the operation; Tomtit and

fantail nesting success very high for the 2000/01 breeding season.

No significant impact of the 1080 operation on adult tomtit survival.

Research/monitoring/trials Comparison of bird monitoring techniques—Ralph Powlesland. Videoed two stoats and rats visiting a nest pre-drop, but no rats and stoats videoed since.

It would appear that in 2001, the aerial 1080 costs were \$28.12 per ha. (\$450,000 / 16000ha) This might not include bait and some other costs?

Anybody got further info on these costs please?

Cheers, Graham

From the home of Graham and Anne Sperry:

Where Hunting, Fishing and Gardening for "The Pot", are respected pursuits:
Where "Political Correctness" is shunned:
Where a good dog is valued highly:
Where honest souls are admired:
Proud to be REAL NEW ZEALANDERS.