

## STONEY BAY BLOCK

### Post-operation August 2013 SMI Report

1. Operation name: Moehau
2. Size of Operation: 4485 hectares
3. Date of Rat indexing: August 20th 2013
4. Post - SMI monitoring result: 4%
5. Pre -SMI monitoring result: 64%
6. Date of Control Operation: 6 June 2013
7. Control Operation: Aerial 1080
8. Monitoring staff used:
  
9. Weather During Monitor: Fine
10. Tunnel type: Black Trakka
11. Number of lines and tunnels  
per Line: 15 lines, 10 tunnels
10. Number of Nights: 1

## Operation Overview

### **Conservation outcome**

The health and integrity of Moehau forest and fauna are protected, enhanced and maintained for future generations.

### **Scope**

The Moehau Aerial 1080 project includes Aerial control of the Rat block in Stony bay.

- SMI results are attached.
- RTC results are on DM1258674

### **Outcome target**

To reduce foliar browse to less than 0.5 by 2013/2014.

Improve average foliar cover to 50% for monitored Kohekohe trees by 2013/2014.

Increase North Island Robin breeding pairs in the Stony bay Rat block.

### **Result target**

SMI < 5% Rat monitoring lines in the stony bay rat block will be used to indicate pre and post rat densities across the mountain. The rat block has 15 monitor lines covering 1600 hectares.

RTC < 3% across the control area. 19 monitor lines will be pre and post monitored across the 4500 hec.

### **Control Design**

Aerial control will be applied to 4485 hec for Possums and Rats (includes 1600 hec Rat block at Stony bay).

1080 toxic baits were applied on the 6th June 2013 due to less food being available for the targeted pests..

**Rodent tracking tunnel data recording sheet**

**Locality:** Stony Bay  
**Date tunnels set:** 19/08/2013-20/08/2013  
**Overnight weather condit**: Cloudy/Light drizzle  
**Number of lines**: 10  
**Mean rat tracking rate per**: 4%  
**Mean mouse tracking rate**: 0%

**Notes**

Only enter information or data into unshaded cells.  
 Data from a line will not be included in the overall tracking rate until  
 Line status is set to "Done"  
 If a tunnel is badly disturbed i.e. both papers, pulled out,  
 change Tunnel status to "0.5"  
 If an individual tunnel was not set, or missing from a line that  
 change Tunnel status to "0".  
 Tunnel No' can be text and/or a number.

Locality	Overnight weather conditions	Date set	Tunnel No'	Line No' or name	Line status	Tunnel status						Observer
							rat	mouse	H. hog	mustelid	Weta	
Stony Bay	Fine	19-Jul-13	1	1	Done	1						
Stony Bay	Fine	19-Jul-13	2	1	Done	1						
Stony Bay	Fine	19-Jul-13	3	1	Done	1						
Stony Bay	Fine	19-Jul-13	4	1	Done	1						
Stony Bay	Fine	19-Jul-13	5	1	Done	1						
Stony Bay	Fine	19-Jul-13	6	1	Done	1						
Stony Bay	Fine	19-Jul-13	7	1	Done	1						
Stony Bay	Fine	19-Jul-13	8	1	Done	1						
Stony Bay	Fine	19-Jul-13	9	1	Done	1						
Stony Bay	Fine	19-Jul-13	10	1	Done	1						
Stony Bay	Fine	19-Jul-13	1	2	Done	1						
Stony Bay	Fine	19-Jul-13	2	2	Done	1						
Stony Bay	Fine	19-Jul-13	3	2	Done	1						
Stony Bay	Fine	19-Jul-13	4	2	Done	1						
Stony Bay	Fine	19-Jul-13	5	2	Done	1						
Stony Bay	Fine	19-Jul-13	6	2	Done	1						
Stony Bay	Fine	19-Jul-13	7	2	Done	1						
Stony Bay	Fine	19-Jul-13	8	2	Done	1						
Stony Bay	Fine	19-Jul-13	9	2	Done	1	1					
Stony Bay	Fine	19-Jul-13	10	2	Done	1	1					
Stony Bay	Fine	19-Jul-13	1	3	Done	1						
Stony Bay	Fine	19-Jul-13	2	3	Done	1						
Stony Bay	Fine	19-Jul-13	3	3	Done	1						
Stony Bay	Fine	19-Jul-13	4	3	Done	1						
Stony Bay	Fine	19-Jul-13	5	3	Done	1						
Stony Bay	Fine	19-Jul-13	6	3	Done	1						
Stony Bay	Fine	19-Jul-13	7	3	Done	1						
Stony Bay	Fine	19-Jul-13	8	3	Done	1						
Stony Bay	Fine	19-Jul-13	9	3	Done	1						
Stony Bay	Fine	19-Jul-13	10	3	Done	1						
Stony Bay	Fine	19-Jul-13	1	7	Done	1						
Stony Bay	Fine	19-Jul-13	2	7	Done	1						
Stony Bay	Fine	19-Jul-13	3	7	Done	1						
Stony Bay	Fine	19-Jul-13	4	7	Done	1						
Stony Bay	Fine	19-Jul-13	5	7	Done	1						
Stony Bay	Fine	19-Jul-13	6	7	Done	1						
Stony Bay	Fine	19-Jul-13	7	7	Done	1						
Stony Bay	Fine	19-Jul-13	8	7	Done	1						
Stony Bay	Fine	19-Jul-13	9	7	Done	1						
Stony Bay	Fine	19-Jul-13	10	7	Done	1						
Stony Bay	Fine	19-Jul-13	1	8	Done	1						
Stony Bay	Fine	19-Jul-13	2	8	Done	1						
Stony Bay	Fine	19-Jul-13	3	8	Done	1						
Stony Bay	Fine	19-Jul-13	4	8	Done	1						
Stony Bay	Fine	19-Jul-13	5	8	Done	1						
Stony Bay	Fine	19-Jul-13	6	8	Done	1						
Stony Bay	Fine	19-Jul-13	7	8	Done	1						
Stony Bay	Fine	19-Jul-13	8	8	Done	1						
Stony Bay	Fine	19-Jul-13	9	8	Done	1						
Stony Bay	Fine	19-Jul-13	10	8	Done	1						
Stony Bay	Fine	19-Jul-13	1	9	Done	1						
Stony Bay	Fine	19-Jul-13	2	9	Done	1						
Stony Bay	Fine	19-Jul-13	3	9	Done	1						
Stony Bay	Fine	19-Jul-13	4	9	Done	1						
Stony Bay	Fine	19-Jul-13	5	9	Done	1						
Stony Bay	Fine	19-Jul-13	6	9	Done	1						
Stony Bay	Fine	19-Jul-13	7	9	Done	1						
Stony Bay	Fine	19-Jul-13	8	9	Done	1						
Stony Bay	Fine	19-Jul-13	9	9	Done	1						
Stony Bay	Fine	19-Jul-13	10	9	Done	1						

Poley Bay	Fine	19-Jul-13	1	10	Done	1			Karen
Poley Bay	Fine	19-Jul-13	2	10	Done	1			Karen
Poley Bay	Fine	19-Jul-13	3	10	Done	1			Karen
Poley Bay	Fine	19-Jul-13	4	10	Done	1			Karen
Poley Bay	Fine	19-Jul-13	5	10	Done	1		1	Karen
Poley Bay	Fine	19-Jul-13	6	10	Done	1			Karen
Poley Bay	Fine	19-Jul-13	7	10	Done	1			Karen
Poley Bay	Fine	19-Jul-13	8	10	Done	1			Karen
Poley Bay	Fine	19-Jul-13	9	10	Done	1			Karen
Poley Bay	Fine	19-Jul-13	10	10	Done	1			Karen
Shag Bay	Fine	19-Jul-13	1	11	Done	1			Karen
Shag Bay	Fine	19-Jul-13	2	11	Done	1			Karen
Shag Bay	Fine	19-Jul-13	3	11	Done	1			Karen
Shag Bay	Fine	19-Jul-13	4	11	Done	1			Karen
Shag Bay	Fine	19-Jul-13	5	11	Done	1			Karen
Shag Bay	Fine	19-Jul-13	6	11	Done	1	1		Karen
Shag Bay	Fine	19-Jul-13	7	11	Done	1	1		Karen
Shag Bay	Fine	19-Jul-13	8	11	Done	1	1		Karen
Shag Bay	Fine	19-Jul-13	9	11	Done	1			Karen
Shag Bay	Fine	19-Jul-13	10	11	Done	1			Karen
Doctors	Fine	19-Jul-13	1	13	Done	1		1	Leon
Doctors	Fine	19-Jul-13	2	13	Done	1			Leon
Doctors	Fine	19-Jul-13	3	13	Done	1			Leon
Doctors	Fine	19-Jul-13	4	13	Done	1		1	Leon
Doctors	Fine	19-Jul-13	5	13	Done	1			Leon
Doctors	Fine	19-Jul-13	6	13	Done	1		1	Leon
Doctors	Fine	19-Jul-13	7	13	Done	1		1	Leon
Doctors	Fine	19-Jul-13	8	13	Done	1			Leon
Doctors	Fine	19-Jul-13	9	13	Done	1	1		Leon
Doctors	Fine	19-Jul-13	10	13	Done	1	1		Leon
Doctors	Fine	19-Jul-13	1	15	Done	1			Nicholas
Doctors	Fine	19-Jul-13	2	15	Done	1		1	Nicholas
Doctors	Fine	19-Jul-13	3	15	Done	1			Nicholas
Doctors	Fine	19-Jul-13	4	15	Done	1			Nicholas
Doctors	Fine	19-Jul-13	5	15	Done	1		1	Nicholas
Doctors	Fine	19-Jul-13	6	15	Done	1			Nicholas
Doctors	Fine	19-Jul-13	7	15	Done	1		1	Nicholas
Doctors	Fine	19-Jul-13	8	15	Done	1			Nicholas
Doctors	Fine	19-Jul-13	9	15	Done	1			Nicholas
Doctors	Fine	19-Jul-13	10	15	Done	1		1	Nicholas

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