

Report on the MIRO North Island Robin Translocation

1st – 3rd April 2012

and post release Monitoring to April 2014

East Harbour Regional Park Mainland Island

Introduction

As a requirement of the translocation permit and MIRO commitments in its transfer proposal, MIRO undertook to report on the results of the translocation and the establishment success of the robins in East Harbour Regional Park.

The Department of Conservation permit authority set out three management and reporting conditions for MIRO from the North Island robin translocation from Kapiti Island, and release into the Mainland Island East Harbour Regional Park:

Department of Conservation Permit conditions

- 1 Any action under this permit may only be taken with the prior notification and consent of the Kapiti Wellington Area Manager.
- 2 The permittees may catch robins from Kapiti Island with prior notification and consent of the Kapiti Wellington Area Manager. Capture must follow any direction by the Kapiti Wellington Area Manager.
- 3 The Permittees shall ensure the release site is within the core area where possum and rat control is occurring and full consultation with the Department of Conservation must occur prior to release.
- 4 The Permittees shall ensure all efforts be made to maintain rat and possum tracking indices within MIROs core area, below 5% during the robin breeding season.
- 5 The permittees shall make available all monitoring and trapping records for inspection at reasonable times by officers of DoC. If required by the Director General of Conservation in consultation with MIRO and the Greater Wellington Regional Council, The Permittees shall make such improvements to robin monitoring or pest control and take such other steps as directed to ensure the welfare of the birds.
- 6 The Permittees shall ensure the translocation techniques and post-release monitoring shall be in accordance to the translocation proposal and in agreement with the Kapiti Wellington Area Manager.

MIRO compliance with the DoC conditions

- The Department of Conservation was heavily involved with the translocation, providing advice, accommodation, veterinarian, help with the trapping and the translocation proposal.
- The robins were released into the Butterfly Creek Catchment in the Mainland Island. The release site was the most upstream bridge across butterfly creek on the McKenzie track, and below the junction of the Muritai and McKenzie Tracks. This site was chosen as it is the most accessible close to the centre of the Mainland Island, and not too long a carry distance to release the robins.
- The Mainland Island tracking is as follows.
 - Possum RTC rates have been kept below 2.5%.
 - Rat tracking rates since August 2010 have been at, or below 5% during the robin breeding season but have been as high as 52% during the period May - August due to high rodent activity/numbers. (See Chart). Extra rodent bait stations have been installed in the Mainland Island in areas of perceived high rodent activity, and extra bait fills have been rostered during high rodent activity to reduce the tracking rate.

- A spring search for the robins has occurred every year. Searching as many streams and gullies as possible, in the northern forest block.
- Nest monitoring for fledgling success has occurred every year at all known nest sites, see the nesting report attached for an example.

Threshold of success

The MIRO translocation plan states “this translocation will be considered a success if the translocation meets MIRO’s operational targets, and a proven breeding population of 4 pairs becomes established in the East Harbour Regional Park mainland island before April 2013”.

MIRO’s operational targets for success:

1. Up to 40 NI Robins caught on Kapiti Island and transferred to East Harbour Regional Park Mainland Island.
2. The NI Robins transferred with minimum of 100% survival at release.
There was 100% survival and 40 NI Robins were released into East Harbour Regional Park
3. Monitoring of post release survival undertaken in the spring (September onwards), to find as many Robins and pairings as possible in the Mainland Island.
4. A minimum of 3 pairs will be monitored in the Mainland Island from the start of the breeding season to gauge nesting success.
5. Ascertain whether nesting success in the Mainland Island EHRP is comparable with other North Island open site introduced and natural insitu populations
6. Fledgling recruitment in the population is observed.
7. All juvenile Robins observed will be banded.
8. 4 pairs of breeding NI robins are established in the park.

MIRO’s compliance with these targets

- Targets 1 & 2 have been met. 40 birds were caught, and released into the Mainland Island with no mortality.

40 birds were caught within six hours the last at 1.30pm. All were processed and fed by 2.00 pm
40 North Island Robins were successfully transferred to the Mainland Island and released without loss.

- Target 3.

2012

Monitoring for post release survival occurred on August 19th with a search of all the gullies and main Butterfly creek and Gollans valleys by 22 people. A standardised search methodology was used by all (see attachment). This search resulted in 14 Robins being seen, MIRO’s best encounter rate ever. Reason for this result was due to increased conspicuousness, with birds from all 3 releases being observed. Several pairs were seen, these being birds from all 3 previous releases and un-banded birds. Searching of the set area’s identified for the August search is continuing with people adopting an area of the park to keep searching.

On the basis of this monitor it was decided not to carry out a translocation in 2013.

2013

Monitoring for post release survival occurred on September 14th and 15th with a search of all the gullies and main Butterfly creek and Gollans valleys by 16 people. A standardised search methodology was used by all (see attachment). This search resulted in nil robins being seen. The reasons for this are unclear

- Target 4.

Breeding season 2011-2012. MIRO started monitoring 3 nests in October and were confident of monitoring another 2 pairs which had been seen. However by early December these 2 pairs could not be found and it is assumed these attempts have failed. To date both pairs monitored over the summer 2011-12 have raised fledglings to independence but one fledgling was found dead in Butterfly creek close to the nest and near the release site. This was set to Massey University for autopsy results show no sign of internal parasites and that the bird was very underweight and in poor condition(see post-mortem attached).

Breeding season 2012-2013. By early October MIRO had identified 4 pairs with territories that were to be nest monitored over the summer 2012 -13.

By January 2013 all 4 pairs could not be found. Therefore it is considered all these attempts failed. It is presumed after several days searching that at least one of the pair of Whanganui birds at the upper Gollans forks has died as neither bird could be found.

Breeding season 2013-2014. One pair were monitored and known to successfully fledged at least 2 young.

- Target 5.

North Island robins have proven to successfully raise fledglings both inside and outside the Mainland Island. There has been a number of sightings over the years of unbanded individual birds, and occasionally paired with banded birds. These are presumed to be from known and unknown successful nesting attempts.

Summer 2011-2012. The pair of Wanganui robins now monitored for 3 years successfully raised 2 clutches of 2 fledglings to independence. The pair of Kapiti birds released in 2011 and monitored in upper Butterfly Creek successfully raised a clutch of 2 fledglings and one to independence in spite of nesting less than 10meters from the track. However one of these fledglings was later found dead (see post-mortem and comments below). To date fledgling success seems comparable to the average but as more nests are monitored a better idea of the success rate will be gained.

Summer 2012-2013

No nesting pairs were found to monitor.

Summer 2013-2014. A pair of unbanded Robins on the JJ line in the mid Gollans valley were monitored and raised 2 fledglings to independence in February. In March they were observed together but holding separate territories.

All the nests that were observed over nesting period successfully raised fledglings to independence.

- Targets 6.

Fledgling recruitment in the population has been observed during the September search, the nesting pair in summer 2013-2014, and with unbanded robins seen at other times. Unbanded robins have been observed forming nesting pairs with banded birds. See the sighting chart below for a detailed summery of all known sightings with verified identification.

- Target 7.

When preparing to band independent fledglings these birds have been searched for but not found so to date no fledglings have been banded.

Monitoring and Post Release Management

In the translocation proposal MIRO committed to the following:

- 1 A September search of the Mainland Island using the bait station lines and the rest of the northern forest block.
- 2 North Island robins encountered in the park will be trained to enable easier monitoring.
- 3 Banding records have been sent to the banding officer DOC.
- 4 MIRO is working with Greater Wellington to ensure that banding combinations are not doubled up with birds released into Wainuiomata and to agree on colour combinations.
- 5 To continue to monitor the North Island robin for several years to track trends in abundance and nesting success
- 6 MIRO will continue to conduct 5minute bird counts every October as per the recommended standard method to monitor trends in, existing bird species populations, any differences in abundance between inside and outside the Mainland Island, and trends in the introduced North Island robin.
- 7 Supplementary feeding may be provided if required.
- 8 MIRO and Greater Wellington Regional Council are committed to the Mainland Island and on-going possum and rodent control in East Harbour Regional Park.
- 9 Banding of Juveniles will continue for at least 2 breeding seasons following each release.

MIRO's post release monitoring management

1. A September search of the Mainland Island and all the remaining northern forest block has taken place every year, focusing on the gullies and main valleys.
2. NI robins have been trained whenever encountered.
3. The translocation banding records have been sent to the banding officer.
4. Banding combinations and colours have been agreed with GWRC.
5. Abundance is being gauged through the following ways. MIRO is continuing to monitor the North Island robins and is continuing with the 5minute bird counts, and searching when in the Northern forest. Records of sighting have been kept and a place on the MIRO website created for sightings to be entered.

Nesting success has been monitored by minimum weekly visits and observers recording behaviour sightings and activity. However gauging success has been hampered by the lack of known nesting pairs and attempts.

6. Supplementary feeding has not happened to date other than when training the robins.
7. MIRO and Greater Wellington Regional Council have committed to on-going possum and rodent control in East Harbour Regional Park and are looking at options for intensified control and an increase in the Mainland Island size.
8. No banding of Juveniles has occurred but is planned for and will occur whenever possible.

In General.

The North Island robins caught from Kapiti Island have tended to be smaller and lighter than the Robins that were caught from the Wanganui area.

The fact that the East Harbour Regional Park northern forest block has a large beech forest component, possibly as much as 70%, has meant rodent control has been challenging. Especially in beech seed masting years. The rodent bait station grid of 100x150m in the Mainland Island seems only just close enough to maintain low rodent levels and in some areas of the Mainland Island bait station spacing's have been reduced to 150x50 meters. It is hoped that the addition of the smaller grid in places, vigilance, extra monitoring and the use of Brodifacoum in beech mast years will help reduce the likely hood of the rodent plagues that usually follow.

A Short summary of the MIRO North Island Robin Reintroductions to date

There have been 3 translocations over six years. A 103 birds.

2008 – 2011 (April)

21st June and 30th August 28 birds caught from Wanganui, 5 died in transit, 23 released.

12 birds re-seen post release. Last birds seen were the pair at the upper Gollans Forks in August 2012.

There were 38 known sightings of NI robin up to 2nd April 2011. Mainly in the area of the upper Gollans forks and mainly the pair resident there.

April 2011 - 2012

2nd April 40 Kapiti Island NI robins successfully caught and released.

13 have been re-seen.

12 sightings of unbanded birds were made. 5 of these sightings were on the 2011 robin search day.

There were 28 reported sightings of N I robins between 2nd April 2011 and 1st April 2012

April 2012 - 2013

1st April 40 Kapiti birds released.

11 robins have been re-seen and positively identified. There have also been several occasions where robins have been heard but not searched for or seen.

4 pairs with territories were planned to be nest monitored over the summer 2012 -13.

December 2012 was the last sighting of Whanganui Male bird from the pair at the upper Gollans forks. This bird was at least 5 years old and the pair survived and bred successfully for 4 years outside the Mainland Island.

There were **37** reported sightings of N I robins between 2nd April 2012 and 1st April 2013

April 2013 to now.

No birds released.

There were 15 reported sightings of N I robins. (many unbanded)

1 pair of unbanded birds located at line JJ Gollans valley it is planned to band this pair in the near future.

Possible NI robin numbers now present in the Northern Forest Block, East Harbour Regional Park

North Island Robins have an average life expectancy of 3 years (*Heather and Robertson*). However the oldest bird known is in Pueora forest and is 17 years old, (*Powlesland 2014*). The oldest known MIRO translocated robin was at least 5 years old.

A total of 103 North Island robins have been released by MIRO. Most of these were adult birds.

It is reasonable to assume the 23 released in 2008 are now probably all dead.

It is also reasonable to assume that of the 40 robins released in April 2011, most will be at least 3 years old and probably older. Therefore only half of those robins who remained in EHRP will be alive. This will be around 20 if they all remained in the release area as research has shown that generally half of the translocated robins released will stay in the release forest so this reduces the probable total to 10 robins. Of the 40 robins translocated in 2012 it is again reasonable to expect 20 might have stayed in the release forest. These robins are now at least 2 years old. With an average life expectancy of 3 years the portion of these 20 birds that could be expected to be in the northern forest block will be between 10 and 15 robins.

Therefore a rough estimate of the possible number of banded robins from the 3 translocations now present in the Northern Forest Block, East Harbour Regional Park, is an average 15 to 25 birds. All of these birds will be 2 to 3 years old so this number can be expected to drop quickly over the next two years.

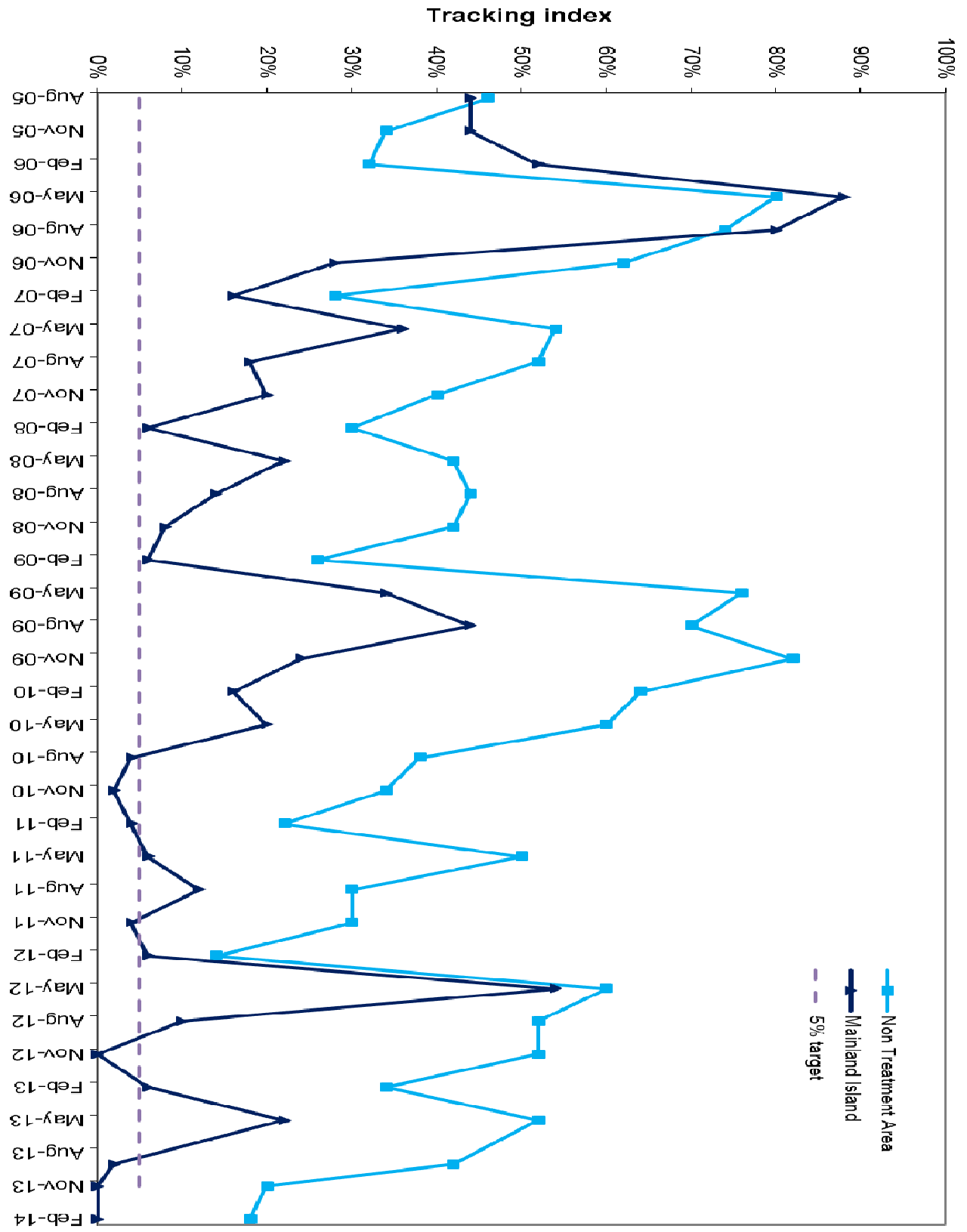
There has been observed fledgling recruitment since 2010 and there might be as many as 10 unbanded robins in the northern forest block but this is difficult to quantify.

Therefore the total number of NI robin in the northern forest block East Harbour Regional Park if all the averages are met may be around 25 to 35.

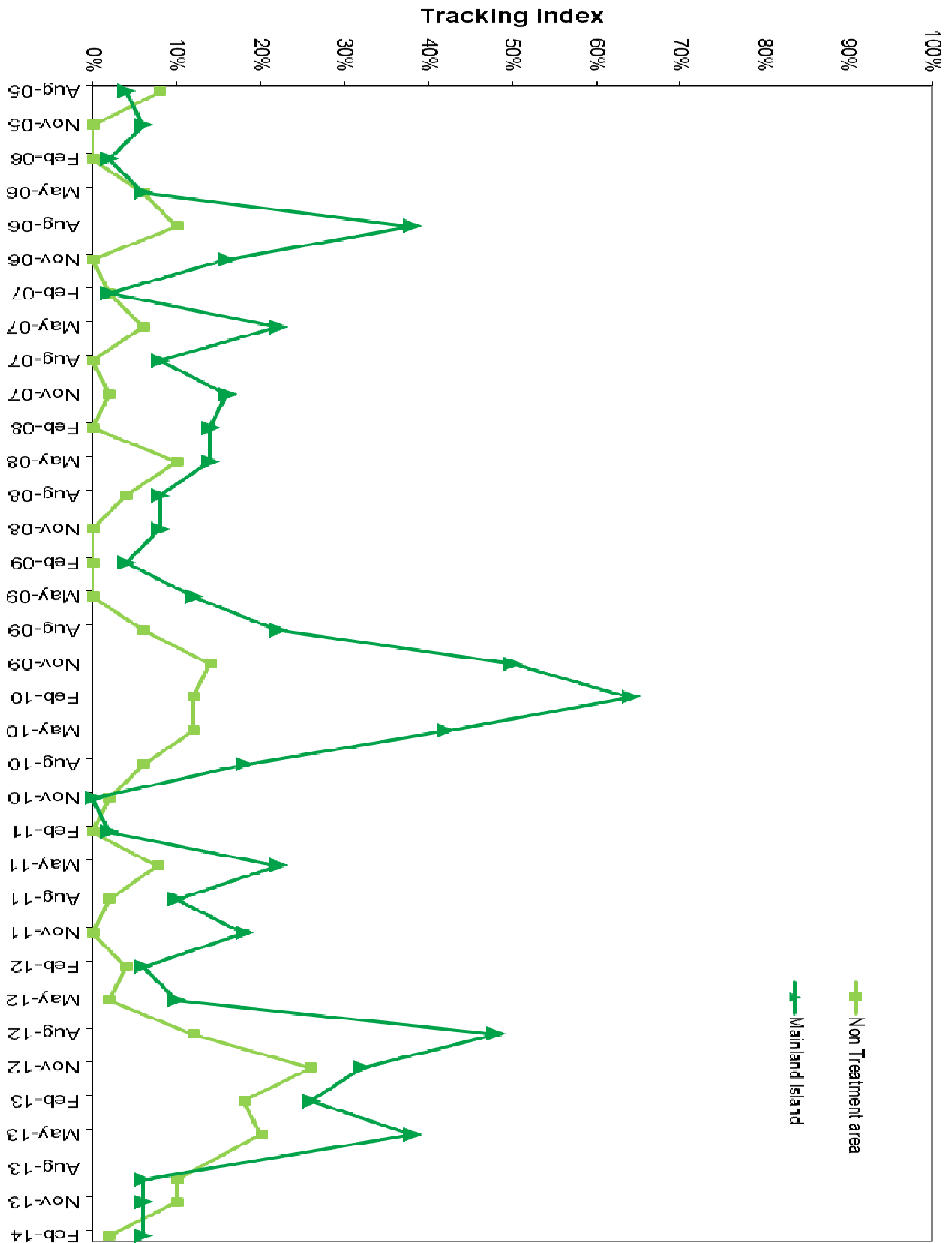
We currently know where 2 of these birds are.

Rodent Tracking Results

Mean rat tracking indices over time for rodent tracking tunnels in East Harbour Northern Forest Block monitor over one fine night



Mean mouse tracking indices over time for rodent tracking tunnels in East Harbour Northern Forest Block monitor over one fine night.



East Harbour Robin Monitoring Protocol

Equipment

Portable hand-held tape recorder or MP3 player with NI robin song

Spare batteries and plastic bag

Mealworms

Binoculars

Notebook and Pencil

Map of Mainland Island and or Park northern block

Methods

1. Navigate to the start of your survey transect (be it a bait station line, walking track or water course). Play the song and wait.
2. Play a recording of robin song (male territorial call) for 30 seconds at a "natural" volume.
3. Watch and listen for any robins while the tape is playing, and for another three minutes after you have stopped playing the tape.
4. Repeat at 50 meter intervals along the Gully, Stream or line. This will be roughly 50-60 paces. Between stops make a lot of noise e.g. clapping and tapping and breaking sticks.
5. If a Robin is seen stop crouch and clap your hands softly. If the bird is shy then try scraping the ground to the duff layer and breaking off and throwing small pieces of stick into the scrape (3-4 meters away) to get it to come closer. This may take some time, possible up to half an hour.
6. If a robin is seen or heard, follow or approach the robin until its identity (band combination) can be determined. Read bands top to bottom of leg .Left leg recorded first then right leg. Left and Right legs are recorded as the bird's right and left. **Not your right and left.**
7. Train the robin by throwing it a few mealworms. If the bird is shy then try scraping the ground to the duff layer and breaking off and throwing small pieces of stick into the scrape to get it to come closer. This may take some time, possible up to half an hour
8. (Aug – March only) Observe the robin for at least 20 minutes, feeding it a few mealworms at regular intervals to determine whether or not the robin is paired, and if so, what breeding activity is occurring:
 - Male feeding female, but female doing nothing for >20mins = no nesting
 - Male feeding female; female disappears for long intervals = female possibly incubating eggs.
 - Male and female both taking food away = pair is possibly feeding nestlings.
 - Male and female feeding one or more un-banded robins = pair is feeding fledglings – try to count how many there are.

Note: When counting fledglings try to keep any disturbance to a minimum. Do not approach too close to a nest or young fledglings unless absolutely necessary. If the parents begin giving

sharp, short alarm calls then you may be too close! If marking the location of a nest please ensure that any markers are no closer than 10m from the nest tree. Obvious markers close to a nest tree could attract predators!

9. Record the location of any robins seen and any observed behaviour in as much detail as possible.
10. Move approximately 50m along your track, bait station line or transect and repeat the survey.
11. Remember not to play the robin tape recording more than once at any one station.

Institute of Veterinary, Animal and Biomedical Sciences

PATHOLOGY REPORT

Submitter's Ref.:	Date Sent: 09/12/2011	Accession No.: 46999
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TO: Kim Broad and Jill Bagnall
MIRO and Wellington Regional Council
1056 Ferguson Drive
Upper Hutt

Species: Avian-WL (1)	Sex: Male	Age: Juvenile	Breed: North Island Robin
ID: None	At Risk:	Affected:	Dead: 2
Owner: MIRO and Wellington Regional Council	Prev. Acqn.:	Type: Post Mortem	

HISTORY

Parents were translocated from Kapiti Island in March 2011. Male parent pink/silver:blue/red, female pink/silver:dark green/red.

GROSS FINDINGS

The bird weighed 43 grams and was in very poor body condition, with minimal pectoral muscle mass and no subcutaneous or epicardial fat reserves. The bird was in a moderate state of preservation, with moderate autolysis of the gastrointestinal tract. The gizzard, segments of the small and large intestine as well as the cloaca contained a large amount of viscous dark brown-black material (melena). The testis measured 3mm in length. There were no other abnormalities on gross post mortem.

DIAGNOSIS

Starvation/emaciation

COMMENTS

The bird was in very poor body condition. There were no obvious signs of an underlying disease process that may have contributed to his emaciated state, however histology is pending. There was no evidence of trauma.

File Nos.:

Students:

Date:

Pathologist: S A Hunter

Copy to:

Robin nesting report Upper Gollan's Pair

Male blue/white pink/metal
Female yellow/blue pink/metal

19-10-2011 Owen

Arrived Gollans forks at the beech tree site 1.13pm first true left side stream off the true left branch of Gollans stream.

Weather overcast and cool.

1.20pm Robin male P/M right leg B/W left leg arrived.

Eat one worm then flew off with 4 worms (nesting?)

1.25 Returned made soft contact calls eat and cached.

1.32 Flew off with 4 worms in same direction as last time. Up true left branch of Gollans stream.

1.51 cashed worms up towards TL branch

3-11-2011 Janey

Arrived top forks at 11.30am

Male came in straight away– no sound.

– just a few claps He ate about 5 pupa then flew away with 5 in his mouth

Came back 4 times all really quickly – seemed hungry

He would head up over the ridge

Could hear high pitch birds not far away – could be chicks – not sure – Riflemen??

Lots of tui's around – something big too (kereru or morepork - male sat on branch 4 meters away from me – like he was scared to come down into the opening. Did this twice on two different trees. But come down and feed and took mealworms away.

Could hear riflemen

8-11-2011 Owen

Arrived in the upper gollans beech site 3.30pm.

Called, clapped, broke sticks, cleared ground and played tape = no sign.

11-11-2011 Owen

Weather fine and warm.

Arrived Gollans forks 3.05pm.

3.06pm Robin male P/M right leg B/W left leg arrived.

Fed then took 4 worms (hung around for more) soft contact call then flew up True left branch of Gollans stream.

Repeated this 4 times with sometimes gaps of more than 10 minutes before returning.

11-12-2011 Jan

Arrived at Top Forks 1430pm

1445pm not watching, fiddling inside my pack, looked up and the male robin was nearly beside me, no sound (L) blue/white (R) Red or pink/metal

He ate 1 pupa; flew away with 2 mealworms up the east fork

1449 back again; picked up 3 mealworms and 1 pupae off the container lid, and dropped them on the mossy ground. Then he picked them all up again, and flew off with them towards the kiekie-covered rimu (or is it beech?).

1453 back again; at 1456 he ate 1 mealworm, 1 pupa, and did not take anything away. Disappeared.

1520 no further visits.

1530 a smallish bird was flitting down trees, like robins do, about 50m away. It did not come closer, so not sure what it was. Grey warbler perhaps, one was calling.

No sign of a female robin. Male seems to be feeding something else, or do they stash up food for later?

No calling so hard to judge where other robins may be.

1535 I moved off.

Other birds: blackbird, kakariki chatter, 2 tui chasing madly and noisy, fantail, rosella, grey warbler

24-12-2012 Toni

Just two photos of the robin from 24th December. I didn't see the male or any other robins. This one, I presume a fledgling, stayed with us for about 30 minutes. I left it to carry on trying to find the spot that Owen and I had been, in case the male robin showed. The fledgling fed on all the meal worms I dished out (about 8-10)! He/she just hopped about and flew from tree to tree quite low and close to us.

7-01-2012 Janey and Tess

10.30 Male came in (blue over white / pink over metal) ate 3 took 5 away

10.35 Male back, ate 3 took 4 away bit of song before left

10.45 Male back ate 2 took 4 away

10.50 Back – we had no more worms – he hung around looking for insects in the ground and checking us out.

10.54 Took off again

10.56 We were still in same place checking out 4 riflemen nearby and he came back again –

Heard what might have been the fledgling Toni saw further towards main stream. Couldn't see anything just heard what sounded like robin song, We heading down there to see if we could see anything.

14-01-2012 Janey and Tess

2.10 Arrived

2.15 Male arrived in – he ate 5 mealworms

2.20 Took 4 away up towards Nest?

2.25 Back – ate 1 Cached 3 in tree

2.30 Ate 2 cached 1 – ate 1 flew back away with 1

2.44 Sat in tree above as preening for about 5 minutes

Ate 2 took 4 back

He seemed quite flighty and wary –

Fantail hanging around

18-01-2012 Jan

Jan got there just after 3 and was there until just after 4

No sign of male or any other robins

Birds they did see were: pair of fantails chasing and tweeting; blackbird very vocal; grey warbler, silver eyes, maybe a rosella

28-01-2012 Toni

No sign of the robins – did hear fantails

Arrived to the site at 09.50am and were there until 11.20am. The morning was overcast and quite windy and cool. None of the robins made themselves known this time - after seeing the male on my first trip and then the fledgling on the second trip. I clapped hands, broke sticks - threw a few meal worms as a last effort, but nothing. A couple of times I thought I saw movement in the bush (as in possibly a bird, about 10m away from our position) and then Paul did also when we had crossed the stream and were heading out. We stayed a bit longer - but no confirmation. We saw fantails, grey warblers, kereru & tui & heard riflemen while we were there. We even saw a black & white tit when we were back on the Korimako track.

31-01-2012 Jennifer Vinton

G16 Grid Ref 71418E 89651N

Top Forks Grid Ref 71538E 90220N, 170m

We sat at [71378 90329](#) 176m, from about 1430pm

Heard cheepings, saw & heard rifleman. I [saw one about 1450](#)

1530 to 1615 Wondering if robin had shifted territory so we walked up spur along G trap line to G10, through dry kamahi pole stand, too dry for robin habitat. Went down into valley and returned to Top Forks along stream bank. No sight or sound.

1630 pm Jenny saw robin beside us. (L) Blue/white, (R) pink/metal very dark, almost black, with mottled cream breast, sleek, bright eyed.

Took 4 Mealworms + pupae and flew off up hill (of G line).

Back and took 4 in beak,cheeping all the time, and flew off again.

1637pm took 3 MW cheeping.

1640 pm The second robin came in close. It is a fledgling, downy feathers under wings and side of breast, cream band over beak, no bands.

Saw it being fed by adult. [Of course no bands on fledgling. Spotted it about 10 m to our left on supple jack vine](#)

Trying to take photo, too dark, under veg and hard to get a focussed shot.

Adult easier to photograph.

Adult sat and preened from 1650 to 1705 +/-, cleaning its breast feathers a lot (pic), and its wingtips.

We walked over to the big rimu+kiekie which may have been the nest site. Fledgling flitting around that area, and going higher, can fly OK.

Adult gave annoyed cheep calls so we went back to original place.

1719 Adult took 2 MW and flew off to fledgling.

1721 back and ate 2 MW (our last), and looked expectantly for more.

'Come on you guys, cough!' if we believe its body language.

We left 1730pm for home.

Suggestion: could be worth an overnight stay in the area to catch the evening and dawn feeding times. And check what else hangs out around the area.

Other birds heard/seen during that time: 2 rifleman/persons, Grey warbler, tui or blackbird, kereru. Were the cheeps the robin and it had been there all the time?

Maybe later afternoons are best times, when they are feeding up for the night.

11-02-2012 Jan

11.00 am

Arrived at forks, went past tree with Kiekie, past crown ferns to usual spot. No sight / sound of Robins. Was really quiet for all birds. Heard a grey warbler and a kereru. Stayed about an hour.

13-2-2012 Owen

2.30pm Spent 35 minutes with no sighting in the first true left side stream off the true left branch of Gollans stream. Sat 15m up from Confluence under beech forest.

Moved 1-200meters up the true left branch of Gollans stream past a small waterfall 1m high, to where the valley opens up a bit with a terrace on the true left of the stream. Was breaking sticks and clapping along the way. looked behind to see a Robin male P/M right leg B/W left leg.

Eat 3 worms himself then called in a fledgling to feed. Fledgling came to within a meter and eat 8-10 worms over 10 minutes then returned to the canopy. Rerepeated this pattern for the next 30 minutes. Left the site 5pm

14-2-2012 Owen

4.10pm arrived at the beech tree site

4.20 Robin male P/M right leg B/W left leg arrived.

4.20-25 Fed

4.25 cached worms then flew up true left branch to same place as the 13th up the true left branch.

4.35 fed

4.50 Robin Female P/M right leg B/Y left leg arrived from up stream. Came to within 5m away and did feed on the ground but did not eat worms. Very nervous and cautious. Disappeared after 5min at 4.55pm.

5pm Left site after feeding male B/W left leg.

25-02-2012 Janey

1000

Went up to spot up the stream, past the 1m little 'waterfall'. Male came in straight away, ate one meal worm then would pick them up but not eat them and drop them. Looking really haggard, no tail feathers. He was really flighty and cautious. Then he flew up to a tree about 4m away and preened. Stayed there about 15minutes, then I left and walked back toward the track, watched to see what he would do, he stayed there preening himself.

3/4-03-2012

Wet weekend

10-03-2012 Toni

1600

Male robin (bands b/w, p/m) –

Arrived to the cleared area in front of the beech tree (usual place above the kiekie part of the stream) within a Male arrived within a few minutes being there.

Initially he picked up mealworms but dropped them back again on the ground. He eventually took one and flew up to the branch of a tree further away. He was still in sight but couldn't see any detail. We didn't see whether he left the meal worm there or ate it.

He spent the next 10 minutes coming down to the area in front of us and then up to a tree where he was preening himself.

We moved away about 3 metres down toward the stream and watched him from there. He flew down to our spot having a hop around where we had been sitting next to the beech tree. Then he ate the meal worms (about 6) that we had thrown over to the cleared space earlier! After that he just hopped around for a bit longer in the same place and between the ground and lower branches. We had been with him 45 minutes and left to go help finish setting up camp - so didn't see where he flew off 'home' to. We camped back towards and upstream from the possum trap at the base of the spur where we come down from the Main Ridge track.

Next morning Sun 10am

No robins came to us at the usual spot. We went upstream from the fork but still no robins. After 45 minutes we went back to camp. The male robin was back at the campsite with Paul, and had been there about 20 minutes! Paul could hear him 'twittering' initially, but not see him. Then he was on the branch of a tree about 5 metres away and gradually moved to a closer tree, just watching Paul. After that he moved between the ground and up into the trees, still in sight. When Gene and I arrived he continued doing the same - coming down to the ground and up into the trees nearby. After about 15 minutes we finished packing up and the robin flew away.

12-03-2012 Tess

Tess went in – no sign of birds but heard calls

31-03-2012 Janey

Arrived 1100 – No sign of birds, clapped by kiekie covered tree, went up stream past little waterfall – no sign / sound

10-5-2012 Owen

2.30 Arrived at the site 1-200meters up the true left branch of Gollans stream past a small waterfall 1m high, to where the valley valley opens up a bit with a terrace on the true left of the stream.

Spent 2-3hours with both male B/W and female B/Y left legs. Female arrived first after 15minutes then the male. The male was less cautious and the female being very cautious, only slightly responding to clapping, ground clearing and breaking wood. Toward the end the female responded better to clapping and started to associated with food.

Both were in breakup mode with the female having a territory up stream and the male down stream. Much chasing and beak snapping by the male bird when the female started to feed.

April 2012 MIRO Translocation catching data

Date Caught 1st April 2012										Kapi'i MIRO North Island Robin Banding Data									
Site caught	Time caught	Band Number	Left Leg	Right Leg	Sex #	Weight Bird+Bag (g)	Weight Bag (g)	Weight Bird (g)	Wing (mm)	Tarsus (cm)	Paired with	Comments (eg paired with, parasites)	Feather Sample	Blood					
1	UJT	B111286	FP/m	DG/W	FA	55.5	26.0	29.5	87.0	33.5									
2	UJT	B111297	FP/m	DG/DB	U	55.0	26.0	29.0	88.0	36.0									
3	UJT	B115024	FP/m	DG/P	MA	52.0	25.5	26.5	90.0	34.5									
4	UJT	B111277	FP/m	DG/LP	MA	53.5	26.0	27.5	90.5	34.5	#5								
5	UJT	B111279	FP/m	DG/LG	FA	54.0	26.0	28.0	89.0	34.0	#4								
6	RF	B115023	FP/m	DG/LB	MA	53.0	25.0	28.0	95.5	35.0									
7	RF	B115027	FP/m	W/P	MA	53.5	26.5	27.0	91.0	35.0									
8	RF	B111275	FP/m	W/LG	MA	55.0	25.5	30.5	93.0	34.5									
9	RF	B111281	FP/m	W/LB	MA	54.5	26.0	28.5	92.0	35.0									
10	RF	B111282	FP/m	P/R	FA	56.0	26.5	29.5	92.0	34.5									
11	LTT	B111294	FP/m	P/O	MA	55.0	26.0	29.0	92.0	34.0									
12	LTT	B111276	FP/m	P/W	FA	53.0	26.0	27.0	88.0	34.0									
13	LTT	B111289	FP/m	P/DB	FA	53.0	26.0	27.0	87.0	33.0									
14	LTT	B111280	FP/m	P/G	MA	56.5	25.5	31.0	93.0	36.5									
15	LTT	Not banded	FP/m	P/LB	MA	50.5	25.0	25.5											
16	WT	B115022	FP/m	LP/P	FA	53.5	24.0	29.5	92.0	35.0									
17	WT	B111274	FP/m	LP/DG	MA	54.5	25.5	29.0	92.0	33.5									
18	WT	B111270	FP/m	LP/LB	FA	55.0	26.0	29.0	91.0	35.5									
19	WT	B111280	FP/m	LP/Y	MA	55.0	25.0	30.0	93.0	34.0									
20	WT	B111286	FP/m	LG/R	MA	57.0	26.0	31.0	92.0	33.5									
21	UW/T	B111271	FP/m	LG/O	MA	54.0	26.0	28.0	97.0	34.5	#22								
22	UW/T	B111273	FP/m	LG/W	U	57.0	26.0	31.0	91.5	34.5	#21								
23	UW/T	B111278	FP/m	LG/D	U	55.5	26.0	29.5	89.0	35.5	#24								
24	UW/T	B111288	FP/m	LG/P	FA	53.0	26.0	27.0	92.0	34.5	#23								
25	UW/T	B111300	FP/m	LG/DG	FA	52.2	25.5	27.0	89.5	34.0									
26	RN	B115026	FP/m	LG/LP	MA	54.5	25.5	29.0	94.0	34.0	#41								
27	RN	Not banded				54.0	25.0	29.0											
28	RN	B111291	FP/m	LG/Y	FA	55.0	26.0	29.0	92.0	35.0									
29	RN	B111289	FP/m	LB/R	FA	53.5	25.0	28.5	87.0	35.0									
30	RN	B111285	FP/m	LB/O	MA	53.0	25.0	28.0	89.0	33.5									
31	STHEND	B111272	FP/m	LB/W	U	55.0	26.0	28.0	90.0	35.0									
32	STHEND	B111284	FP/m	LB/DB	MA	54.0	26.0	28.0	92.0	34.0	#33								
33	STHEND	B111283	FP/m	LB/P	FA	51.0	24.0	27.0	88.0	34.0	#32								
34	STHEND	Not banded				56.0	26.0	30.0											
35	STHEND	B111295	FP/m	LB/LP	MA	53.0	24.5	28.5	91.0	35.5									
36	STHEND	B115027	FP/m	LB/LG	FA	55.0	24.0	31.0	89.5	34.5									
37	STHEND	B115025	FP/m	LB/Y	U	52.0	24.5	27.5	88.0	37.5									
38	RS	B111293	FP/m	Y/P	JM	55.0	25.0	30.0	89.0	35.5									
39	RS	B111292	FP/m	Y/G	MA	55.0	26.0	29.0	94.0	34.5									
40	STHEND	B111298	FP/m	Y/LB	U	54.5	26.0	28.5	88.0	36.0									
41	RN	B111299	FP/m	LG/LB	FA	53.5	26.0	27.5	90.0	34.0	#26								
42	LTT	B115028	FP/m	LB/DG	FA	53.5	25.0	28.5	88.0	33.0									
43	RS	B115029	FP/m	P/LB	FA	54.5	25.5	29.0	90.0	34.5									

New metal Bands start at Number BP2201

MA = Male Adult

FA = Female Adult

ML = Male Juvenile

FJ = Female Juvenile

HC = Health check

J = Juvenile

U = unknown

n = Measured at the notch

m = Not measured at notch

m=metal

No=Alumin

FP = fluoro pink

R = red

O = orange

Y = yellow

LP=Light pink

LG = light green

W = white

DB = dark blue

P = purple

DG = dark green

LB = Light blue

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1st-2nd April 2011 MIRO Translocation catching data

		Date Caught 2nd April 2011		Kapiti MIRO North Island Robin Banding Data											
	Site caught	Time caught	Band Number	Left Leg	Right Leg	Sex #	Weight Bird+Bag (g)	Weight Bag (g)	Weight Bird (g)	Wing (mm)	Tarsus (cm)	Comments	Swab	Band	
1	3	8-9am	B111229	R/O	FP/M	J?	53	27	26	88	35nn	Good condition. No visible parasites. Vent clean	x	√	
2	5	8-9am	B111230	R/Y	FP/M	MA	55	26	29	92	38	Good condition. Vent clean	x	√	
3	11	8-9am	B111231	R/W	FP/M	MA	55	27	28	92	38	Good condition. No visible parasites. Vent clean	x	√	
4	46	8-9am	B111232	R/DB	FP/M	M	55	26	29	90	35.4nn	Good condition. Flat flies, no other parasites. Vent clean	x	√	
5	14	8-9am	B111233	R/LP	FP/M	MJ?	59	29	30	88	38	Good condition. Escaped in banding shed	x	√	
6	4	8-9am	B111234	R/DG	FP/M	MJ?	56	27	29	92	38.5	Good condition.	s	√	
7	45	8-9am	B111235	FP/M	O/R	MJ?	55	26	29	90	39	Good condition.	s	√	
8	35	8-9am	B111236	FP/M	O/Y	MJ?	52	26	26	88	38	Good condition.	s	√	
9	42	8-9am	B111237	FP/M	O/W	MJ?	55	26	29	90	38	Good condition.	s	√	
10	40	8-9am	B111238	FP/M	O/DB	J?	53	25	28	90	37	Good condition.	s	√	
11	41	8-9am	B111239	FP/M	O/LP	MA	56	26	30	92	38	Good condition. Flat flies.	s	√	
12	10	8-9am	B111240	FP/M	O/DG	J?	56	27	29	91	38	Good condition. Dirty vent.	s	√	
13	43	8-9am	B111241	FP/M	Y/R	J?	55	26	29	89	38	Good condition.	s	√	
14	23	9.15	B111242	FP/M	Y/O	MA	54	26	28	89	39	Good condition. Flat flies.	s	√	
15	2	9.15	B111243	FP/M	Y/W	FA	55	27	28	89	38	Moderate/Good condition. Flat flies.	s	√	
16	22	9.15	B111244	FP/M	Y/DB	FA	53	26	27	85	37	Good condition. Flat flies.	s	√	
17	13		B111245	FP/M	Y/LP	MA	54	26	28	94	38	Good condition. Flat flies.	s	√	
18	9		B111246	FP/M	Y/DG	MA	52	25	27	91	37.5	Good condition.	s	√	
19	31		B111247	FP/M	W/R	FA	51	26	25	88	35	Good condition.	s	√	
20	39		B111248	FP/M	W/O	MA	55	26	29	94	39	Good condition.	s	√	
21	44		B111249	FP/M	W/Y	MA	52	25	27	91	38	Good condition.	s	√	
22	52		B111250	FP/M	W/DB	MA	52	24	28	92	39	Good condition. Flat flies.	s	√	
23	49		B111251	FP/M	W/LP	FA?	52	25	27	88	37	Good condition.	s	√	
24	37		B111252	FP/M	W/DG	MJ?	55	25	30	88	39	Good condition.	s	√	
25	21		B111253	FP/M	DB/R	FA	54	26	28	89	38	Good condition.	s	√	
26	38		B111254	FP/M	DB/O	FA	52	26	26	86	36.5	Good condition.	s	√	
27	36		B111255	FP/M	DB/Y	MJ	54	26	28	91	37.5	Good condition. Escaped in the banding shed	s	√	
28	12		B111256	FP/M	DB/W	FA	54	26	28	86	36	Good condition.	s	√	
29	18		B111257	FP/M	DB/DB	FA	52	25	27	86	36	Good condition.	s	√	
30	53		B111258	FP/M	DB/LP	JM	56	24	32	90	39	Good condition.	s	√	
31	6		B111259	FP/M	DB/DG	JF	53	26	27	88	35	Good condition.	s	√	
32	8		B111260	FP/M	Y/Y	J?	53	25	28	86	38	Good condition.	s	√	
33	50		B111261	FP/M	P/R	FA	52	25	27	87	36	Good condition.	s	√	
34	17		B111262	FP/M	P/O	FA?	54	25	29	88	39/37n	Good condition.	s	√	
35	20		B111263	FP/M	P/W	FA	55	26	29	87	37.5/35n	Good condition.	s	√	
36	32		B111264	FP/M	P/DB	FA	53	26	27	87	37/35.5n	Good condition.	s	√	
37	7		B111265	FP/M	P/LP	FA	55	26	29	87	38.6/35.4n	Good condition.	s	√	
38	34		B111266	FP/M	P/DG	FA	54	26	28	89	37.5/34.5n	Good condition.	s	√	
39	30		B111267	FP/M	P/Y	J?	54	24	30	92	38.1/35.3n	Good condition. Flat flies.	s	√	
40	24		B111268	FP/M	DG/R	MA	54	28	26	91	38.6/35.2n	Good condition.	s	√	

M = metal numbered band			
FP = fluoro pin	FP	W = white	W
R = red	R	DB = dark blue	DB
O = orange	O	P = purple	P
Y = yellow	Y	DG = dark green	DG
LP = Light pink	LP		
MA = Caught as Pairs or family group			
MA = Male Adult FA = Female Adult		MJ = Male juvenile	FJ = Female Juvenile
			J = Juvenile

MIRO Translocation and sighting Data.

MIRO North Island Robin Sighting Data									
Band Number	Left Leg	Right Leg	Date Caught	Sex #	Comments	Date seen	Paired with	Comments	Comments
B111201	R/O	FP/M	21 June 08						
B111202	R/Y	FP/M	21 June 08	M	Seen by Owen Gollan's BC5-6 True right of stream (Photo)	Nov-08		Appeared to be paired and feeding female	
B111203	R/W	FP/M	21 June 08	M	Seen by Jono in True right branch Gollan's 2009				
B111204	R/DB	FP/M	21 June 08						
B111205	R/P	FP/M	21 June 08		Seen on 5 mile track. Rimutaka Forest Park.	Summer 2008		A distance of 5 KM from the release sight	
B111206	R/DG	FP/M	21 June 08						
B111207	O/R	FP/M	21 June 08						
B111208	O/Y	FP/M	21 June 08	F	Seen on true left of Gollan's in a side stream 100m above the valley floor. Exhibiting courtship behaviour.	23rd Feb 2010	W/Y	Photo's Taken	
B111209	O/W	FP/M	21 June 08		Possibly seen as single White banded bird in Butterfly creek. Nikki	Mar-09		One of 3 possibilities for this sighting	
B111210	O/DB	FP/M	21 June 08						
B111211	O/P	FP/M	21 June 08						
B111212	O/DG	FP/M	21 June 08	M	Lower Gollan's line BB and BC 29 Singing and came into meal worms. Spent 4hrs with bird. Also seen by Gail and Ray	Dec 2010			
B111213	Y/R	FP/M	21 June 08						
B111214	Y/O	FP/M	21 June 08						
B111215	Y/W	FP/M	30 August 08		Died in transfer.				
B111216	Y/DB	FP/M	30 August 08		Died in transfer.				
B111217	Y/P	FP/M	30 August 08		Died in transfer.				
B111218	Y/DG	FP/M	30 August 08						
B111219	W/R	FP/M	30 August 08		Seen at top of Lee's grove track	Oct-08			
B111220	W/O	FP/M	30 August 08		Possibly seen as single White banded bird in Butterfly creek. Nikki	Mar-09		One of 3 possibilities for this sighting	
B111221	W/Y	FP/M	30 August 08	M	Seen on true left of Gollan's in a side stream 100m above the valley floor. Exhibiting courtship behaviour.	23rd Feb 2010	O/Y	Seen lower Gollan's on true right opposite BC 29 / Line BB. Dec 2010	
B111222	W/DB	FP/M	30 August 08		Seen in the Upper Gollan's true right branch	Feb-09			
B111223	W/P	FP/M	30 August 08		Possibly seen as single White banded bird in Butterfly creek. Nikki	Mar-09		One of 3 possibilities for this sighting	
B111224	W/DG	FP/M	30 August 08		Died in transfer.				
B111225	DB/R	FP/M	30 August 08		Died in transfer.				
B111226	DB/O	FP/M	31 August 08	M	Seen in the Wairuomata water collection area Georges creek.	Summer 2008 - 09			
B111227	DB/Y	FP/M	31 August 08	F	Pair raised 2 clutches of 2 fledglings	Nov-2010-Aug2011	DB/W	August 2011 Shy and being fed	8th August 2011 Trap G11
B111228	DB/W	FP/M	31 August 08	M	Pair raised 2 clutches of 2 fledglings seen 9th Nov (1st clutch) 2nd Feb (2nd clutch)	Feb 2009-Aug2011	DB/Y	4th May 2011 very vocal	8th August 2011 Trap G11 - 19th October behaviour of feeding bird on a nest. Both last seen 31/10/2012

B111229	R/O	FP/M	2nd April /2011	J?					
B111230	R/Y	FP/M	2nd April /2011	MA	Seen top of the bus barn track at V10	15/04/2012			
B111231	R/W	FP/M	2nd April /2011	MA	8th April seen at the release sight. Feeding on meal worms friendly.	8th April 2011			
B111232	R/DB	FP/M	2nd April /2011	M					
B111233	R/LP	FP/M	2nd April /2011	MJ?					
B111234	R/DG	FP/M	2nd April /2011	MJ?					
B111235	FP/M	OR	2nd April /2011	MJ?					
B111236	FP/M	O/Y	2nd April /2011	MJ?					
B111237	FP/M	O/W	2nd April /2011	MJ?					
B111238	FP/M	O/DB	2nd April /2011	J?					
B111239	FP/M	O/LP	2nd April /2011	MA					
B111240	FP/M	O/DG	2nd April /2011	J?					
B111241	FP/M	Y/R	2nd April /2011	J?	Seen not far below the seat on the Muntair/Mckenzie ks junction on the Butterfly creek side	14th April			
B111242	FP/M	Y/O	2nd April /2011	MA					
B111243	FP/M	Y/W	2nd April /2011	FA					
B111244	FP/M	Y/DB	2nd April /2011	FA	Butterfly creek trap 18	17/04/2011	W/DG		
B111245	FP/M	Y/LP	2nd April /2011	MA					
B111246	FP/M	Y/DG	2nd April /2011	MA					
B111247	FP/M	W/R	2nd April /2011	FA					
B111248	FP/M	W/O	2nd April /2011	MA					
B111249	FP/M	W/Y	2nd April /2011	MA	Seen Butterfly creek 50m north of Junction of the Mckenzie and Kowhai street tracks	21/06/2012			
B111250	FP/M	W/DB	2nd April /2011	MA					
B111251	FP/M	W/LP	2nd April /2011	FA?					
B111252	FP/M	W/DG	2nd April /2011	MJ?	Butterfly creek trap 18	17/04/2011	Y/DB		
B111253	FP/M	DB/R	2nd April /2011	FA	Seen paired with DG/R @ release site Butterfly creek	5th October 2011	DG/R	Pascale 6 & 7th Paired and nesting	Nesting pair DB/R+DG/R monitored over summer 2011 -2012. Seen with P/R 24 April 2012
B111254	FP/M	DB/O	2nd April /2011	FA					
B111255	FP/M	DB/Y	2nd April /2011	MJ	Seen April 3rd upstream 15m from Mckenzie track Butterfly Creek	3/04/2012		Seen in first gully into Butterfly creek from junction Mckenzie and Hawtrev tracks 08/04/2012	
B111256	FP/M	DB/W	2nd April /2011	FA	Seen lower gollans Keith levy possurn run	2/12/2012			
B111257	FP/M	DB/DB	2nd April /2011	FA					
B111258	FP/M	DB/LP	2nd April /2011	JM	Butterfly creek trap 18	6th + 8th/4/2011			

B111259	FP/M	DB/DG	2nd April /2011	JF					
B111260	FP/M	Y/Y	2nd April /2011	J?	8th April seen at the release sight. Feeding on meal worms friendly. Butterfly creek	8th + 11/4/2011			
B111261	FP/M	LP/R	2nd April /2011	FA					
B111262	FP/M	LPO	2nd April /2011	FA?					
B111263	FP/M	LP/W	2nd April /2011	FA	8th April seen at the release sight. Feeding on meal worms friendly. Butterfly creek	8/04/2011			
B111264	FP/M	LP/DB	2nd April /2011	FA					
B111265	FP/M	P/LP	2nd April /2011	FA					
B111266	FP/M	P/DG	2nd April /2011	FA					
B111267	FP/M	P/Y	2nd April /2011	J?					
B111268	FP/M	DG/R	2nd April /2011	MA	Seen paired with DB/R @ release site Butterfly creek	5/10/2011	DB/R	Pascalie 6 & 7th also Paired and nesting	Seen by Wall 7th Oct. 2 Fieldings seen November 22nd. Both parents seen 11th Dec. Nesting pair monitored over summer 2011-2012
111286	FP/M	DG/W	1st April /2012	F	Seen 3/06/2012 near line EE Butterfly Creek. Seen and photographed August during search 2012. 45 metres north of the O26 marked tree on the Butterfly Creek track. Around line BB	17-18th/08/2012	LP/P	Seen where line EE crossing butterfly creek 28/05/2012 Photos taken for id Paired with W/LB	
111297	FP/M	DG/DB	1st April /2012	U					
115024	FP/M	DG/P	1st April /2012	M					
111277	FP/M	DG/LP	1st April /2012	M					
111279	FP/M	DG/LG	1st April /2012	F					
115023	FP/M	DG/LB	1st April /2012	M					
111287	FP/M	W/P	1st April /2012	M	Seen lower Butterfly creek on rodent monitoring line tunnel 8/3	27/07/2012		Seen 29/07/2012 near the post on the Butterfly Creek side of the Kowhai track. With LB/W.	
111275	FP/M	W/LG	1st April /2012	M					
111281	FP/M	W/LB	1st April /2012	M	Seen Lower Butterfly creek line EE. Seen Lower Butterfly creek O20. 08/05/2012 with LB/W	11/06/2012	LB/W	Seen where line EE crossing butterfly creek 28/05/2012 Photos taken for id Paired with DG/W	
111282	FP/M	P/R	1st April /2012	F	Seen butterfly creek line JJ with another bird.	23/05/2012		Seen paired with DB/R ??? Photos taken	
111294	FP/M	P/O	1st April /2012	M	Seen in gully upstream of surveyors where the gully meets the valley floor	27/06/2012			
111276	FP/M	P/W	1st April /2012	F					
111269	FP/M	P/DB	1st April /2012	F					
111280	FP/M	P/LG	1st April /2012	M					
115022	FP/M	LP/P	1st April /2012	F	Seen and photographed August during search 2012. 45 metres north of the O26 marked tree on the Butterfly Creek track. Around line BB	16-17th/08/2012	DG/W		
111274	FP/M	LP/DG	1st April /2012	M					
115029	FP/M	P/LB	1st April /2012	F					

111270	FP/M	LP/LB	1st April /2012	F				
111290	FP/M	LP/Y	1st April /2012	M				
111296	FP/M	LG/R	1st April /2012	M				
111271	FP/M	LG/O	1st April /2012	M				
111273	FP/M	LG/W	1st April /2012	U	Seen 30 meters south along the ridge from the highest point along the kowhai track.	28/06/2012		
111278	FP/M	LG/DB	1st April /2012	U				
111288	FP/M	LG/P	1st April /2012	F				
111300	FP/M	LG/DG	1st April /2012	F				
115026	FP/M	LG/LP	1st April /2012	M	Seen and photographed top of Kowhai street track with 2 other banded birds	7/06/2012	Seen May 28rd 2012 On the third switchback from the top of Kowhai Street track down to McKenzie track (on East side of ridge)	
111291	FP/M	LG/Y	1st April /2012	F				
111289	FP/M	LB/R	1st April /2012	F				
111285	FP/M	LB/O	1st April /2012	M				
111272	FP/M	LB/W	1st April /2012	U	Seen Lower Butterfly creek O20 with W/LB. On the third switchback from the top of Kowhai Street track down to McKenzie track (on East side of ridge).	28/05/2012 8/05/2012	Seen 29/07/2012 near the post on the Butterfly Creek side of the Kowhai track. With W/P.	
111283	FP/M	LB/P	1st April /2012	F				
111295	FP/M	LB/LP	1st April /2012	M				
115027	FP/M	LB/LG	1st April /2012	F	Seen and photographed top of Kowhai street track with 2 other banded birds	7/06/2012		
115025	FP/M	LB/Y	1st April /2012	U	Goliards Stream, east bank, 100 metres short of southern boundary of Area 5 paired with an unbanded male robin, right near a trap marker (pink triangle M4/6)	18/08/2012	8/12/2012 Seen feeding an unbanded bird suneyjors clearing by Bagnalls. Fed inverts. Probably Female	
111293	FP/M	Y/P	1st April /2012	M				
111292	FP/M	Y/LG	1st April /2012	M				
111298	FP/M	Y/LB	1st April /2012	U				
111299	FP/M	LG/LB	1st April /2012	F	Seen and photographed top of Kowhai street track with 2 other banded birds	7/06/2012		
115028	FP/M	LB/DG	1st April /2012	F				
111284	FP/M	LB/DB	1st April /2012	M				

Unbanded and confirmed sightings without positive ID									
?					Seen by Bel Lowden in Butterfly creek Just north of the Kowhai street Junction.				
W				10th Mar 2009	Seen by Nikki and Susie not far above Trap 18 Butterfly creek				
?				18th Mar 2009	Seen by Erik Vanderspek in Butterfly creek Just north of the Kowhai street Junction.				
?				8th Feb 2009	Gollans Valley at scout campsite heard Robin with dawn chorus. Singing from tree tops.	?			
Unbanded				9th Dec 2009	Gollans Valley next to G 35. Photos taken				
				10th Mar 2009					
?					Butterfly creek. Near trap 13 song heard high up on true right. More song heard upstream.	DB/?		Near trap 18 Butterfly creek DB/?	4 zig zags up the Mcken track above the release sight another robin seen. Bands not id'd
?				8th April 2011	Bird seen on middle ridge just south of Hawtreay				
?				1 May 2011	200m South East of high point on bus dam track				
Unbanded				11TH May 2011	At the top forks Gollans stream	DB/?			
Y				19th May 2011	Gollans stream halfway between Baill atalions OO 10A & 11	Unbanded		Unbanded robin seen on Line OO bait str	
Unbanded				18th May 2011	60m south of Bird count 28 Gollans valley	FP/M			
?				18th May 2011	Beech forest between Mahina & York bay				
Unbanded				17th June 2011	Seen Gollan's near G38 NZTM GPS E1760553 N5426178 . 2 birds. P. 2				
?				17th July 2011	Kowhai track 100 down from seal	R/? Y/?			
?				3rd Aug 2011	10 m from Mt Lowrey trig on SE side where it starts to dip into Gollans				
Unbanded				19th Sept 2011	???				
Unbanded				26/02/2012	4 unbanded fledgling monitored in and around the Gollans forks. From Whanganui pair DB/W - DB/Y				
Unbanded				Summer 2011/1/2	Seen being fed Surveyors clearing by FP/M Y/ LB. From Pcs and behaviour probably juvenile. 1 possibly 2 unbanded birds				
?				8th Dec 2012	Heard in gully at the top of Tolara street, behind Rona bay				
?				14_15/04/2012	Heard in gully behind Rona bay				
?				16/04/2012					
Unbanded				15/04/2012	Saw 2 unbanded birds Bird count 8 Butterfly creek				

?				Robin heard KK3 Butterfly creek	20/04/2012			
?				Robin Heard singing above Tawa street, Eastbourne south.	3/05/2012			
?				Mid gollans Search area 15	11/05/2012			
?				Mid gollans Search area 15	11/05/2012			
banded ?				Butterfly creek track	11/05/2012			
Unbanded				Bait station line E	13/06/2012			
R/?				Just above surveyors clearing	14/06/2012			
???				Seen but bands not recorded. Junction of Mckenzie and Kowhai tracks. 2 other birds heard.	29/07/2012			
Unbanded				Seen surveyors clearing	29/07/2012	LBY		
Unbanded				Seen August during search 2012	16-17th/08/2012			
Y/? ?/?				Seen as a pair around Bait station line BB	18/08/2012			
Unbanded				Seen around Bait station D7 Butterfly Creek	19/08/2012			
Unbanded				on the Kaitawa track York bay	4/09/2012			
Unbanded				Gollans BC29	18/11/2012			
Unbanded +?				Gollans surveyors clearing. Unbanded male plus 2 other birds seen that stayed up in the trees	27/11/2012			
Unbanded				1st stream north of surveyors clearing Photo taken.	20/12/2012			
Unbanded				Male bird seen surveyors clearing.	27/02/2013			
Unbanded				Male bird seen Pakuratahi river below where it meets the Rimutaka incline.	24/02/2013			
?				Seen but no details. Top of Mckenzie track near junction with track to Days Bay. 10 metres below signed turnoff	15/04/2013			
Unbanded				Unbanded pair monitored over summer 2013-14 on line JJ	Summer 2013-14			
				Gollans stream 1st seen July 2013.				
M = metal numbered band				W				
FP = fluoro pink	FP	W = white	DB = dark blue	DB	LG = light green			
R = red	R	P = purple	P	P	LB = light blue	LG		
O = orange	O	DG = dark green	DG	DG		LB		
Y = yellow	Y	LP = light pink	LP	LP				

April 2012 Site Catching details

31st March 2012									
Catchers Name	site caught	Bag no	Easting	Northing	Map grid	Time	Paired with	Notes	Names of bird carrier
Matu Booth	Upper trig track	4	1762298	5475557	NZTM	9.03am	Bag 5		Gary Sue & Darren Lees
	Upper trig track	5	1762298	5475337	NZTM	9.17am	Bag 4		Gary Sue & Darren Lees
	Upper trig track	1	1762303	5475490	NZTM	10.05am			Gary Sue & Darren Lees
	Upper trig track	2	1762311	5475371	NZTM	11.26am			Gary Sue & Darren Lees
	Upper trig track	3	1762322	5475358	NZTM	11.50am			Gary Sue & Darren Lees
Delia Small	Rangitira south	39	2672646	6037199	WGS84	10.30am	bag 38		
	Rangitira south	38	2672646	6037199	WGS84	10.35am	bag 39		
	Rangitira south	Z	2672506	6037092	WGS84	1.00pm			
Owen Spearpoint	Rangitira north	27	1762951	5476030	NZTM	8.56am		Rejected due to poxy lesion on leg = released	Maarten & Anjia Vink
Owen Spearpoint	Rangitira north	30	1762979	5476045	NZTM	9.53am			Maarten & Anjia Vink
Owen Spearpoint	Rangitira north	29	1762976	5476142	NZTM	10.20am			Maarten & Anjia Vink
Owen Spearpoint	Rangitira north	28	1762982	5476173	NZTM	10.30am			Maarten & Anjia Vink
Owen Spearpoint	Rangitira north	41	1762954	5476044	NZTM	11.30m			Maarten & Anjia Vink
Owen Spearpoint	Rangitira north	26	1762955	5476027	NZTM	12.46pm			Maarten & Anjia Vink
Vince Vanders	South End	31	1762457	5475282	NZTM	8.40am			Anna & Nick
Vince Vanders	South End	32	1762486	5475332	NZTM	9.39am	Bag 33		Anna & Nick
Vince Vanders	South End	33	1762483	5475331	NZTM	9.42am	Bag 32		Anna & Nick
Vince Vanders	South End	34	1762531	5475362	NZTM	10.56am		Bird rejected = released	Anna & Nick
Vince Vanders	South End	35	176254	5475378	NZTM	11.20am			Anna & Nick
Vince Vanders	South End	36	1762527	5475353	NZTM	12.55pm			Anna & Nick
Vince Vanders	South End	37	1762536	5475397	NZTM	12.30pm			Anna & Nick
Vince Vanders	South End	40	1762550	5475418	NZTM	11.35am			Anna & Nick
Yvan Richard	Wilkinson Track	18	1762828	5475804	NZTM	8.42am	17	male?	
Yvan Richard	Wilkinson Track	17	1762828	5475804	NZTM	8.54am	18	Female ?	
Yvan Richard	Wilkinson Track	19	1762714	5475910	NZTM	10.17am		?	
Yvan Richard	Wilkinson Track	20	1762599	5475784	NZTM	11.24am		Female ?	
Yvan Richard	Wilkinson Track	16	1762599	5475784	NZTM	11.44am		Juv maybe from bird 20	
Yvan Richard	Wilkinson Track	44	1762482	5575833	NZTM	1.15pm		male?	
Reg Cotter	Rangitira flat	8	2672887	6037529	WGS84	8.50am		Very cautious bird	Brent
Reg Cotter	Rangitira flat	9	2672881	6037607	WGS84	9.20am			Brent
Reg Cotter	Rangitira flat	10	No reception		WGS84	9.25am			Brent
Reg Cotter	Rangitira flat	7	No reception		WGS84	10.11am			Brent
Reg Cotter	Rangitira flat	6	No reception		WGS84	11.50am			Brent
Susanne Govella	Lower trig track	13	1762776	5475647	NZTM	8.20am			
Susanne Govella	Lower trig track	12	1762774	5475586	NZTM	8.54am			
Susanne Govella	Lower trig track	14	1762775	5475595	NZTM	9.20am			
Susanne Govella	Lower trig track	15	1762723	5475553	NZTM	10.23am		Bird rejected = released 12pm	
Susanne Govella	Lower trig track	11	1762577	5475287	NZTM	11.20am			
Susanne Govella	Lower trig track	42	1762740	5475563	NZTM	1.05pm			
Ian flux	Upper Wilkinson	21_1	1762856	5475914	NZTM	8.45am	bag 22		
Ian flux	Upper Wilkinson	22	1762856	5475914	NZTM	8.48am	bag 21		
Ian flux	Upper Wilkinson	23	1762856	5475963	NZTM	9.11am	bag 24	Caught 1hr apart and another robin at the	
Ian flux	Upper Wilkinson	24	1762856	5475963	NZTM	10.16am	bag 23	site but 95% sure these were the pair	
Ian flux	Upper Wilkinson	25	1762854	5475900	NZTM	11.36am	?		
Ian flux	Upper Wilkinson	45	1762854	5475985	NZTM	1.30am	?	Possibly paired but released	

MIRO 2012 Translocation Feeding and Care Data

Data for 29 of the 40 Birds Translocated

Box No	Date	Time	Mealworms delivered	Mealworms remaining	Water	Comments
1	31st March	11.15	10	0	ok	
Bird		12.25	10	0	ok	
		15.25	10		ok	
		17.25	10	0	ok	
	1st April					
		7.15	10		ok	Bird ok
		8.00	-	-	ok	Box empty
2	31st March	12.20	10	0	ok	
Bird		14.20	10		ok	
		16.22	10	0	ok	
	1st April	7.04	10		ok	Bird ok
		8.10	-	3	ok	Mealworms dead
3	31st March	13.05	10	0	ok	
Bird		15.15	10		ok	
		17.20	10	0	ok	
	1st April	7.15	10		ok	
		8.00	-	-	ok	Bird ok
4	Paired with box 5					
Bird	31st March	9.53	10	4	ok	
		11.42	8	0	ok	
		13.42	10	0	ok	
		15.55	10		ok	
		17.38	10	0	ok	
	1st April	6.50	10		ok	
		7.52	0	0	ok	Bird ok
5	31st March	10.07	10	0	ok	paired with box 4
		12.02	10	0	ok	
		15.02	10	0	ok	
		17.11	10	0	ok	
	1st April					
		7.02	10	0	ok	
		8.05	-	0	ok	

6	31st March	13.00	10	3	ok	
		15.00	10	0	ok	
		17.15	10	0	ok	
	1st April	7.00	10	0	ok	
		8.10	-	0	ok	
7	31st March	11.30	10		ok	
		13.30	10		ok	
		15.33	6			
		5.30	10		ok	
	1st April	7.15	10		ok	
		8.00	-	6	ok	Mealworms were dead (drowned)
8						
	31st March	9.40	10	-	ok	
		11.38	10	0	ok	
		13.38	10	0	ok	
		15.45	10	0	ok	
		17.50	10	0	ok	
	1st April	6.45	10	0	ok	ok
		7.49	0	0	ok	
9	31st March					
		10.29	10	0	ok	
		12.26	10	0	ok	
		14.26	10		ok	
		16.28	10	0	ok	
	1st April	7.00	10	0	ok	
		8.07	10	0	ok	No worms left in box
10	31st March	10.37	10	0	ok	
		12.30	10	0	ok	
		14.30	10	0	ok	
		16.27	10	0	ok	
	1st April	6.55	10	0	ok	
		7.45	0	0	ok	
11	31st March	12.00	10	10	ok	
		14.00	10	10	ok	
		16.00	20	1	ok	

		17.30	10	1	ok	
	1st April	6.45	10		ok	
		7.50	-	1	ok	2 remaining in the box
12	31st March	9.47	10	0	ok	
		11.42	10	0	ok	
		13.42	10	0	ok	
		15.50	10		ok	
		17.34	10	0	ok	
	1st April	6.33	10		ok	Feisty
		7.55	0	0	ok	
13	31st March	8.40	10	0	ok	
		11.00	10	0	ok	
		13.10	10	0	ok	
		15.10	10	1	ok	
		17.15	10		ok	
	1st April	7.15	10		ok	
		7.57	0	0	ok	
14	31st March	10.13	10	4	ok	
		12.15	10	0	ok	
		14.13	10	0	ok	
		16.15	10	0	ok	
	1st April	6.55	10	0	ok	
		7.44	0	0	ok	
16	31st March	12.50	10	0	ok	
		14.47	10		ok	
		16.48	10	0	ok	
	1st April	6.55	10	2	ok	Dead mealworms
		7.46	0	0	ok	Bird ok
17	31st March	9.28	10	2	ok	
Bird		11.33	10	1	ok	
		13.33	10		ok	
		15.39	10	0	ok	
		17.30	10	0	ok	
	1st April	6.44	10		ok	
		7.55	-	-	ok	Box empty of birds

18	31st March	9.04	10	8	ok	
Bird		11.00	2	0	ok	
		13.10	10	2	ok	
		15.10	8		ok	
		17.14	10	0	ok	
	1st April	7.15	10		ok	
		8.00	-	-	ok	bird ok
19	31st March	11.30	10	0	ok	
Bird		13.30	10	1	ok	
		15.30	9	0		
		17.30				
	1st April	7.15	10		ok	
		8.00	not checked			
20	31st March	12.18	10	0	ok	
Bird		14.17	10	1	ok	
		16.14	10	0	ok	
	1st April	7.10	10		ok	
		8.07	0	0	ok	Box empty
21	31st March	9.10	10	10	ok	paired with box 22
Bird		11.12	-	0	ok	
		13.19	10	10	ok	
		15.20	0		ok	
		17.24	10	0	ok	
	1st April	6.40	10		ok	Bird ok. Box empty
22	31st March	9.23	10	6	ok	paired with box 21
Bird		11.31	10	0	ok	
		13.31	10	0	ok	
		15.55	10	0	ok	
		17.35	10	0	ok	
	1st April	6.45	10		ok	
		7.55	-	1	ok	Bird okay
23	31st March	10.00	10	0	ok	
Bird		12.00	10	0	ok	
		14.00	10	0	ok	
		16.09	10		ok	

	1st April	7.10	10	0	ok	
		8.08	0	0	ok	
24	31st March	11.26	10	4	ok	
Bird		13.40	6	0	ok	
		15.57	10	0	ok	
		17.35	10	0	ok	
	1st April	6.56	10	0	ok	
		7.48	0	1	ok	Bird ok
25	31st March	12.42	10	0	ok	
Bird		14.40	10	0	ok	
		16.40	10	0	ok	
	1st April	7.00	10	0	ok	
		7.46	0	0	ok	Box empty
26	31st March	13.20	10	10	ok	
Bird		15.15	10	0	ok	
		17.12	10		ok	
	1st April	7.15	10		ok	
		7.56	0	0	ok	Bird ok
28	31st March	11.40	10	0	ok	
Bird		13.38	10	0	ok	
		15.40	10	0	ok	
		17.40	10	0	ok	
	1st April	7.15	10		ok	
		8.00	-	-	ok	Bird okay
29	31st March	11.25	10	0	ok	
Bird		13.26	10	0	ok	
		15.30	10	0	ok	
		17.50	10		ok	
	1st April	7.15	10		ok	
		8.00	-	-	ok	Bird ok