

# Ark in the Park

Summary of

North Island Robin

Breeding Season Data and Sightings  
2012 – 2013

*Compiled by Heidrun Schinke (August 2013)*



Second nest of female GM-WR with chick, 2 days before it fledged, banded as fledgling BM-WB  
– photo taken by Heidrun Schinke 29.11.2012

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## 1. Introduction to Ark in the Park

The Ark in the Park (AIP) is an open sanctuary at the Cascade Kauri in the Waitakere Ranges Regional Park, close to Auckland City. The project started in January 2003 and the aim is to restore it to a functioning native ecosystem through pest control and re-introduction of native animals and plants lost from the Waitakere Ranges. This community based project is a partnership between Forest & Bird (Waitakere Branch) and the Auckland Council, made possible by the large Ark in the Park volunteer input.

The Ark in the Park area, as of June 2013, is approximately 2450 hectare (ha)<sup>1</sup>, with an additional 800 ha of pest control on neighbouring private properties (the Buffer Zone). Unlike many other “mainland island” projects, Ark in the Park does not have a predator proof fence – instead, ongoing pest control by our volunteers keeps predator numbers low enough to allow survival and breeding of re-introduced birds as well as original native birds and other biodiversity. Main predators targeted are rats, mice, mustelids (stoat, ferret and weasel), possums and feral cats.

The success of the project has lead to the Department of Conservation (DOC) to approve the re-introduction of Whitehead (Popokatea), North Island (NI) Robin (Toutouwai), Stitch bird (Hihi) and the North Island Kokako.

The Waitakere Ranges with its significant remnant kauri forest, vigorous regenerating mixed podocarp and many streams has proven a suitable release location for the NI Robin. The establishment of predator control within Ark in the Park and a possum control programme throughout the Waitakere Ranges has allowed the restoration of this species back into a portion of its former range.

The NI Robins dispersal has generated sightings from a wide area of the Waitakere Ranges, some even outside the Ark in the Park protection zone. The sightings have included both banded and unbanded birds being reported by Ark in the Park volunteers, Auckland Council staff and the general public.

## 2. Volunteers

Volunteers make the project the success it is. Volunteers have put in an estimated 8000 hours of work, servicing bait stations and stoat traps, monitoring re-introduced birds and much more.

Many people participated in the collection of data for the 2012-2013 NI Robin season, including 59 AIP volunteers. Many thanks to the passionate main observers Keryn McCracken, Grant Capill, Jeremy Painting, Mike Siddens, Yvonne Vaneveld, Karen Colgan, Gerhard Wette and Heidrun Schinke.

Many thanks to supervisor Andy Warneford, allowing me to band NI robins. A special thanks to my husband Mathias Riemenschneider to give me the time I need for bird monitoring. Thanks also to him for being my buddy many times, as well as Bruce Calvert to take the gear to the banding sites.

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<sup>1</sup> [http://www.arkinthePark.org.nz/about\\_ark\\_in\\_the\\_park/what\\_is\\_ark\\_in\\_the\\_park.html](http://www.arkinthePark.org.nz/about_ark_in_the_park/what_is_ark_in_the_park.html)

Special thanks to staff member Robin co-ordinator Laurence Bechet for her always quick responses. To Karen and Maurice Colgan for the maps and to Sarah Schinke for the editing of this report. And last but not least to Raewyn and Adnan Demir for supporting the observers with mealworms for the NI robins from their very productive mealworm farm.

### 3. What are NI Robins

The NI Robin is one of three subspecies of Robin endemic to New Zealand. And as its name says this subspecies is restricted to the North Island. Its Latin name is *Petroica australis longipes* and its Maori name is *toutouwai*. Its common English name was given by European settlers because its curious and friendly nature is similar to the unrelated European red-breasted Robin. It is a charming bird often seen on the forest floor feeding on invertebrates or the male singing from his perch on low branches.

The NI Robin is classified as not threatened and stable<sup>2</sup> but protected.

The NI Robin is about 18 cm long from bill to tail, which is much smaller than a blackbird and much larger than a tomtit or whitehead. They have long, thin legs and an upright stance.

The male NI Robin has a dark black grey body, with a pale grey lower patch on its breast. Female and juveniles are similar but greyer. Both sexes have a white spot above their bills which they flash in aggressive encounters.

Robins hold their territory all year and usually keep the same partner (see 7.1.+7.2.). North Island robins start nesting in the Waitakere Ranges in August. Before they breed, they start courtship feeding. The female builds the nest and incubates. Chicks and fledglings are feed by both. If a nest fails, the female can re-lay immediately.

### 4. Background to NI Robins in Ark in the Park

Fifty-three Robins from Mokoia Island, near Rotorua, were initially re-introduced into the park in April 2005. After a decline in Robin numbers in 2008-09, which was thought to be in part caused by feral cats, a top-up translocation of 30 birds took place in June 2009 from Mangatutu (Waikato).

This supplementary translocation was appropriate to establishing a self-sustaining population within a mainland setting. NI Robins, although not a threatened species, have a contracting range within New Zealand. Our re-introduction will increase their survival prospect, as well as establishing them back into an area they previously roamed.

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<sup>2</sup> Miskelly CM, Dowding JE, Elliot GP, Hitchmough RA, Powlesland RG, Robertson HA, Sagar PM, Scofield RP, Taylor GA 2008. Conservation status of New Zealand birds, 2008. *Notornis* 55: 131

## 5. NI Robin Breeding Season 2012 – 2013

This report includes 6213 data entries about NI Robin sightings between April 2012 and June 2013 (see Appendix 4). The results are

- 20 NI Robin breeding pairs (including single breeding female) were monitored in the AIP area during 2012-2013 breeding season.
- 14 pairs were only Ark in the Park birds. 5 pairs are mixed with 4 females from AIP. Only 1 Mangatutu female was monitored which chose an AIP male after losing her partner from Mangatutu. No Mangatutu pair was monitored any longer (see Table 1).
- One AIP female raised 2 clutches alone. Both males, GM-WY (AIP) and MO-YB (Mangatutu), could have mated with her (see 7.2.).

Table 1 shows Origin of NI Robin Pairings 2012-2013

Table 1: Origin of NI Robin Pairings 2012-2013

Mother	Father	Origin of Mother	Origin of Father	No. Origin of Pairs	Total No. of Pairs
MB-YO	Lg/M-Lg	Mangatutu	AIP	1	1
WR-OM	MW-YW	AIP	Mangatutu	2	2
unbanded	MO-YY	AIP	Mangatutu	3	3
BM-OW	MO-YB	AIP	Mangatutu	4	4
BM-BY <sup>1</sup>	MO-YB	AIP	Mangatutu	5	5
OG-RM <sup>2</sup>	MO-YB or GM-WY	AIP	Mangatutu or AIP	1	6
BM-BY*	GM-BO	AIP	AIP	1	7
GM-WR	GM-WY	AIP	AIP	2	8
BM-YO	BM-YR	AIP	AIP	3	9

<sup>3</sup> Less recorded sightings as last season because one main observer's sightings mostly not listed

Mother (Unbanded Female at)	Father (Unbanded Male at)	Origin of Mother	Origin of Father	No. Origin of Pairs	Total No. of Pairs
- F10 stream crossing	- F10 stream crossing	AIP	AIP	4	10
- AWN5/7-5/6, mdiagonal access line rat monitor tunnel mAWdiagM27	- AWN5/7-5/6, mdiagonal access line rat monitor tunnel mAWdiagM27	AIP	AIP	5	11
- AWS7/Access Tk, North end of	- AWS7/Access Tk, North end of	AIP	AIP	6	12
- AWN10; AW access line, 15 m before	- AWN10; AW access line, 15 m before	AIP	AIP	7	13
- CGS12, Nth end of	- CGS12, Nth end of	AIP	AIP	8	14
- D4 & Rosella Track, junction	- D4 & Rosella Track, junction	AIP	AIP	9	15
- AWS14/4	- AWS14/4	AIP	AIP	10	16
- AWS18/1, AW access line	- AWS18/1, AW access line	AIP	AIP	11	17
- AWS18/8	- AWS18/8	AIP	AIP	12	18
- R14/11	- R14/11	AIP	AIP	13	19
- W20/9, Rosella Tk, just above stream	- W20/9, Rosella Tk, just above stream	AIP	AIP	14	20

Explanatory Notes for Table 1.

<sup>1</sup>NI Robin female with male replacement

<sup>2</sup>NI Robin single female

- 5 of the 20 NI Robin breeding pairs (including a single breeding female) were closely monitored during 2012-2013 breeding season with 621<sup>4</sup> data entries. Their territories were near the Auckland City Walk (ACW).
- The NI Robin 2012-2013 breeding season started with a lot of changes (See 7.) Two females were starting with nest building in mid August. This was a little bit later than last season where a very early nest with layer materials was found being built on 2<sup>nd</sup> August 2011.
- The 4 females of the 5 NI Robin breeding pairs built 8 nests. This season only 1 of these nests failed. It was the first nest of a very young female who was chased out by a stronger older female which had lost her male after her first successful nest of this breeding season. (see Appendix 1 and 7.1.).
- The breeding season ended early with the last nest started in mid December, which could be because of the dry summer conditions.

<sup>4</sup> Less recorded sightings as last season because one main observer's sightings mostly not listed

- 13 fledglings were seen. The average fledglings per pair of the 4 NI Robin breeding pairs is 3.25 (4 females, 13 fledglings).
- In spite of the disturbances with 4 females and only 2 males (see 7.1.+7.2.), it is a very good breeding result.

Map 1 shows the Nest Locations of the 4 NI Robin Females near ACW.



Explanatory Notes for Table 1.

- 3 nests of female GM-WR
- 2 nests of female OG-RM
- 1 nest of female BM-OW
- 2 nests of female BM-BY

- Since the introduction of the NI Robin to the Ark in the Park in 2005-06, 170 fledglings have been recorded (see Table 2).
- 14 fledglings were banded this season compared to the 3 from last season (see Table 2). Even though it is very time intensive to band fledglings in the large AIP area all 13 fledglings of the 4 ACW females were banded. Additionally also one other fledgling and 7 adults were banded.

Table 2 shows Robin Breeding Season Summary Data 2005-2013 (Full Report 2012-13 Appendix 4).

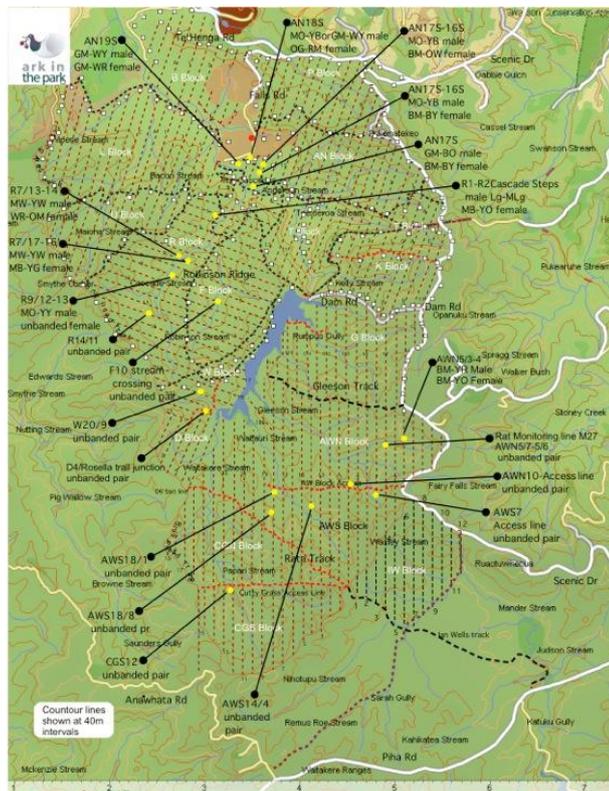
**Table 2: NI Robin Breeding Season Summary Data 2005-2013**

Breeding Season	No. Of Breeding Pairs	No. of Nests found	No. of Fledglings	No. of banded Fledglings	Average No. Fledglings per Breeding Pair
2005-2006	5	11	24	14	4.8
2006-2007	6	13	25	17	4.2
2007-2008	8	15	24	11	3
2008-2009	5	10	13	12	2.6
2009-2010	9	14	18	8	2
2010-2011	13	21	29	5	2.2
2011-2012	10	19	21	3	2.1
2012-2013	20 <sup>1</sup>	9	16 <sup>2</sup>	14	0.8 (3.25 <sup>3</sup> )
Total			170		

Explanatory Notes for Table 2.

- <sup>1</sup> Including 11 unbanded pairs with no breeding data available.
- <sup>2</sup> Only 7 pairs were seen with fledglings. More fledglings are very possible but not more sightings exist.
- <sup>3</sup> The closely monitored 4 ACW females (see 7.1.+7.2.) produced 8 nests with 13 fledglings. Hence instead of calculating the number of fledglings of all pairs the number of fledglings per ACW female were calculated for this breeding season.

Map 2:  
NI Robin Breeding Pair Sightings  
in the Season 2012-13  
(Map: Karen and Maurice Colgan)



## 6. NI Robin Sightings 2012 – 2013

- Between April 2012 and June 2013 there were 621<sup>5</sup> sightings of NI Robins recorded by volunteers in the Ark in the Park area (see Appendix 4).
- Throughout the season a total of 122<sup>6</sup> individuals were observed. Of the 122 birds observed, 37 birds were involved with breeding. 71<sup>7</sup> unbanded single birds were present. 14 banded fledglings were present in the AIP area in 2012-2013 (see Table 3).
- With the new large areas north and south of AW and CG as well as IW Block it was mostly not possible for the volunteers to get specific data like sex or territory of the unbanded birds.
- Of the 122 birds observed, 7 were Mangatutu birds and 115 Ark in the Park birds (see Table 3).
- Paired birds were observed, this involved 5 Mangatutu and 32 Ark in the Park birds (see Table 1).
- The most commonly seen bird for 2012-13 was GM-WR, a female Ark in the Park bird breeding near the upper entry to the Auckland City Walk (see Appendix 3).
- The sex ratio for the 122 birds sighted in 2012-13 was (see Appendix 4):

Male	–	34
Female	–	28
Unknown	–	60
- The average age of the banded breeding birds is approximately 2.7 years. Only one-third, 8 Mangatutu and 2 AIP birds, are older than the average age of the 29 birds. Two-thirds, 19 birds, are younger than the average age of the 29 birds. Also with 79 unbanded individuals the average age is likely to be younger (see Table 3).

For a summary of the data see:

Appendix 3: Summary of Banded NI Robin Sightings in Ark in the Park 2012-2013 (Full Report Appendix 4).

Table 3: Summary of Origin of NI Robins Seen in Ark in the Park 2012-13

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<sup>5</sup> Less recorded sightings as last season because one main observer's sightings mostly not listed.

<sup>6</sup> Multiple sightings possible.

<sup>7</sup> Excluding the unbanded breeding pairs/individuals. Multiple sightings possible.

Table 3: Summary of Origin of NI Robins Seen in Ark in the Park 2012-13

Origin of NI Robins	Number of birds seen in 2012-2013	Age (years)	Number of birds seen in 2011-2012	Age (years)	Number of birds seen in 2010-2011	Age (years)
2005 release (Mokoia)	0	-	0	-	1	5
Born in 2005-2006	0	-	1	6	0	-
Born in 2006-2007	1	6	0	-	2	4
Born in 2007-2008	0	-	0	-	1	3
Born in 2008-2009	1	4	2	3	4	2
2009 release (Mangatutu)	8	4	8	3	13 (out of 30 released)	2
Born in 2009-2010	5	3	7	2	5	1
Born in 2010-2011	6	2	1	1	29	0 <sup>1</sup>
Born in 2011-2012	8	1	21	0 <sup>1</sup>	-	-
Born in 2012-2013	14	0 <sup>1</sup>	-	-	-	-
Uncertain origin e.g. unbanded or unidentified	79 <sup>2</sup>	?	43 <sup>2</sup>	?	12	?
<b>Total</b>	122	<b>Average Age = 2.7<sup>3</sup></b>	83	<b>Average Age = 2.7<sup>3</sup></b>	67	<b>Average Age = 2.1<sup>3</sup></b>

Explanatory Notes for Table 3.

<sup>1</sup> Fledglings

<sup>2</sup> Multiple sightings possible.

<sup>3</sup> The average age does not include the 2012-13 fledglings or the uncertain origins. The figure is expected to be on the low side as we do not know how old the Mangatutu birds were on release.

## 7. Interesting Stories

There were 7 adult robins (4 females, 3 male) at the ACW at the beginning of this breeding season. The season ended with 6 adult robins (4 females, 2 males). A little bit of an anomaly because for the most part the females are more in danger than the males.

## 7. 1. Strong Female with Male Replacement

Female BM-BY was incubating her first nest as sadly her male, GM-BO, went missing. She successfully raised 2 fledglings (see Table 1 + Appendix 2) alone.



Female BM-BY  
– photo taken by Heidrun Schinke 01.03.2013

She started to come into the territory of male MO-YB and the very young female BM-OW. Even though he was chasing her away, she managed to get fed by him, to fly away with the worms to her fledglings.

She was very aggressive towards female BM-OW, chasing her away every time. BM-OW had just started incubating her first nest. Unfortunately she abandoned it after 6 days and disappeared. A possible explanation could be that she no longer had support from her male MO-YB or the stronger female BM-BY had successful

chased her away. First it was thought she was predated, but surprisingly and luckily she appeared again after the breeding season. It is her secret if she was breeding or not in these four months.

As female BM-BY had taken over the territory, she had one successful nest with 3 fledglings with male MO-YB.

## 7. 2. Single Female Breeding Success

OG-RM is now our oldest female with 6 years. She started this breeding season without a partner. Her male M-YY (see 7.3.) for the last 3 seasons was missing since mid winter. She was trying to attract a new mate with very loud callings for a female. She was also looking around the territory of male MO-YB.

But at that time he had already found a new female in BM-OW. And he had not kept an eye on the older female OG-RM.

Nevertheless surprisingly she was incubating. She was seen before being close to male GM-WY (her son), who took over her territory. But he was also still in his territory with his female of the last 2 years, GM-WR. One morning two very upset females were seen and heard. Female OG-RM couldn't understand

why male GM-WY was singing his territory call in the middle of her male abandoned territory. The female OG-RM was not happy and made alarm calls as he was in her territory and maybe too because it is her son. And it seemed his female GM-WR had not had any understanding for this behaviour too. She was very upset and it looked like she was calling to him: "What are you doing?"



Female BM-BY  
– photo taken by Heidrun Schinke 01.03.2013

You have your mate already with me. Why are you looking for a new territory? Will you not support me when I'm incubating?"

After that phase male GM-WY and female GM-WR raised three successful nests with overall six fledglings and he supported her very well with meal worms as he did the seasons before.

Female OG-RM had two successful nests with one fledgling each. The father of the first fledgling could be one of the males MO-YB or GM-WY. She was seen close to both of them.

GM-WY is more likely to be the father of the first fledgling because he took over the territory from her at the beginning of the breeding season. Unfortunately genetically it is not a good combination, being mother and son. The second fledgling's father could be MO-YB because the nest side was closer to his territory and he was once seen close near this nest. He was also busy with two other females as well (see 7.1.).

But female OG-RM had never any support from a male this season. So it is pure speculation who could be the father of her fledglings. Even if polyandry (literally, "many males") is not unusual by monogam songbirds with extra-pair copulations.<sup>8</sup> It is unusual that a female raised fledglings without any support of a male. And at AIP it is the second female to do so.

It seems the AIP females practise a less-than-ideal-solution if not enough males are available as partner.

<sup>8</sup> Thomas Lubjuhn: Vogelwarte 43, 2005: 3-13; [http://www.do-g.de/fileadmin/dog\\_dokumente/dokumente/VoWa-2005.pdf](http://www.do-g.de/fileadmin/dog_dokumente/dokumente/VoWa-2005.pdf)

### 7.3. M-YY (Male) a Mangatutu released NI Robin

Male M-YY was a Mangatutu bird translocated from Pureora forest in June 2009 to AIP. Most AIP volunteers will remember his very loud and proud callings a long time after his release near the aviary. It is not confirmed but it is most likely



Male M-YY  
– photo taken by Grant Capill 20.04.2012

that his mate at Pureora forest did not make it to the AIP.

Male M-YY was filmed as he was caught<sup>9</sup> at midday. He got his bands as an adult on 13<sup>th</sup> June 2009.

He was the only NI robin with one distinct white feather on his left wing. After moult this white feather appeared every time again.

An AIP female OG-RM (banded as nestling in 2006) came to his chosen territory and mated with him. After his release he had a successful first breeding season with her and raised 4 fledglings.

He disappeared after the breeding season 2011-12 during the winter time. The last sighting of him was on 24<sup>th</sup> June 2012.

Because he was banded when he was an adult his age is not exactly known. He was 3 years at AIP which means he was over the mean life expectancy of about 3 years<sup>10</sup>.

Altogether he raised 9 fledglings over 3 breeding seasons with female OG-RM. It is not known if one of his fledglings also has a white feather on the left wing. This was not observed as long as the fledglings stayed with him.

<sup>9</sup> <http://www.youtube.com/watch?v=-y41TwTII8o&feature=relmfu>. John Sumich and Keryn McCracken demonstrate the fine art of robin catching at Pureora forest, North Island, New Zealand. 12.30pm

<sup>10</sup> However, the oldest Robin recorded lived over 16 years. Heather, B.D. & Robertson, H.A.(2005) The Field Guide to the Birds of New Zealand, Penguin Books, Auckland, page 398

## 8. Population

The following rough and restricted calculation shows a possible NI robin population at AIP that is supported by the number of existing sightings.

### 8. 1. Possible NI Robin Population

The growth formula<sup>11</sup> is used with P for population, e for exponent, r for the survival rate per year in percent and t is the amount of years between samples.

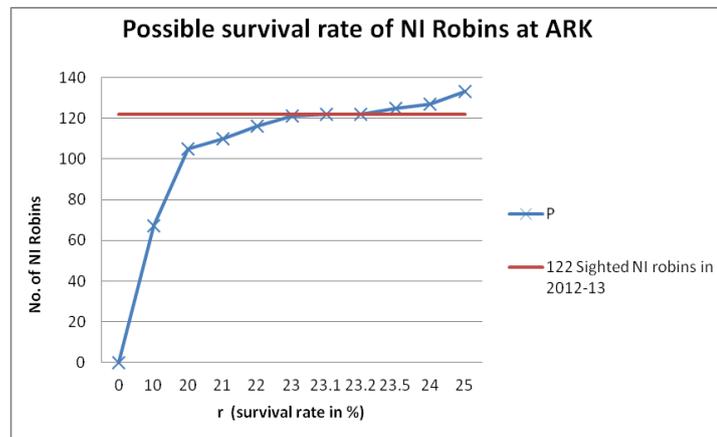
$$P = \text{existing } P * e^{rt}$$

Different survival rates (see Appendix 3) in percent per year are calculated in relation to the 122 sighted NI robins in 2012/13. The detailed calculation of three examples are listed for r = 20 % with a possible lower number of sightings, 23.1 % with the 122 sightings and 25 %<sup>12</sup> with a possible higher number of sightings (see Appendix 3). Results are listed in table 4 below.

Table 4: Results of Calculation of Possible Population

r (%)	0	5	10	20	21	22	23	23.1	23.2	23.5	24	25
P (No. of NI robins)	0	54	67	105	110	116	121	122	122	125	127	133

Diagram 1:



The NI robin population at AIP should be around 105 to 133 birds. With the 122<sup>13</sup> sighted NI robins in 2012/13 it seems the population at AIP is in this range. Also with the calculated survival rate of 23.1 % at AIP it is likely to be a very good quote being very close to a survival rate of 25 %<sup>14</sup> at a predator free area.

<sup>11</sup> See <http://www.education.com/study-help/article/pre-calculus-help-log-expo-applications/>; <http://shodor.org/petascale/materials/UPModules/ageStructuredModels/>; Angela B. Shiflet and George W. Shiflet, Time after Time: Age- and Stage-Structured Models

<sup>12</sup> Which is a reasonable value for robins under good conditions like on Tiritiri Matangi (predator free island) for the first year.

<sup>13</sup> Multiple sightings possible

<sup>14</sup> Which is a reasonable value for robins under good conditions like on Tiritiri Matangi (predator free island) for the first year.

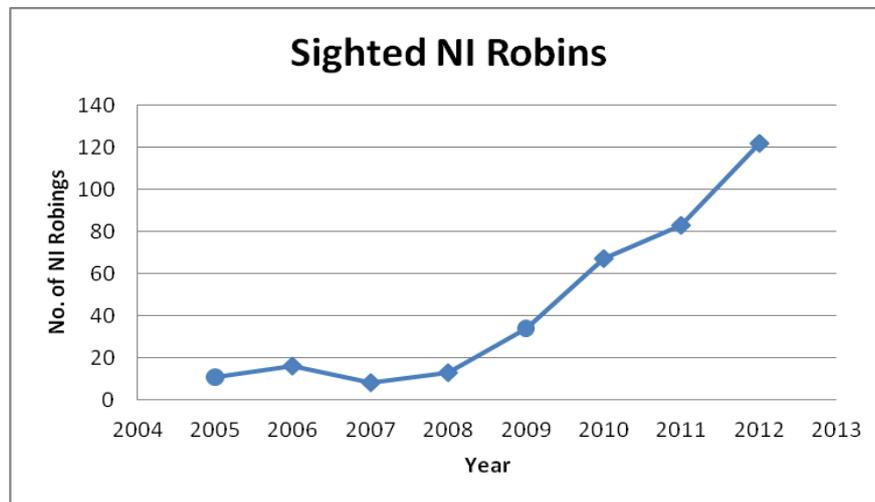
## 8. 2. Sighted NI Robins

The following table and diagram show the sightings of NI robins at AIP from the first release in 2005 to the breeding season 2012-13.

Table 5: Sighted NI Robins from Season 2005-06 to 2012-13

	1. Release				2. Release			
Year	2005	2006	2007	2008	2009	2010	2011	2012
Sighted NI Robins	11	16	8	13	34	67	83	122

Diagram 2:



After the second release in 2009 it is more likely that the NI robins have established a growing population at AIP.

## 8. 3. Conclusion of Possible Population of NI Robins at AIP

This is a very rough calculation to get an overview about the possible growth of NI Robins at AIP. Better calculations can be done when more details (what the growth rate at AIP is expected to be at, rat tracking rates, etc.) are available<sup>15</sup>. Also the existing sightings of the NI robins at AIP depend on the experience of the volunteers to receive reliable sightings.

Both, the calculation and the sightings, assume NI Robins at AIP have a growing population although some areas are abandoned in the past and have not filled up again.

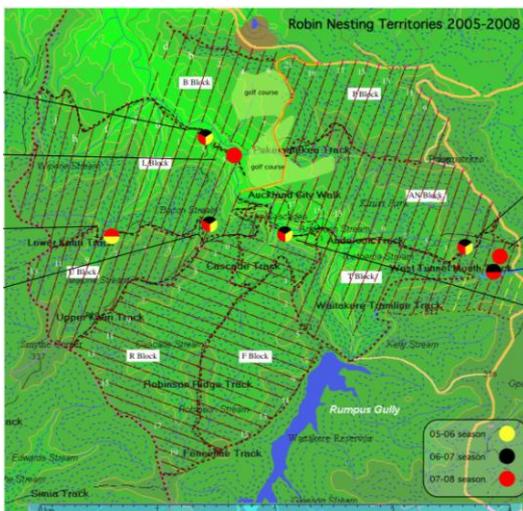
<sup>15</sup> See Elizabeth H. Parlato and Doug P. Armstrong, An Integrated Approach for Predicting Fates of Reintroductions with Demographic Data from Multiple Populations

## 9. The Future

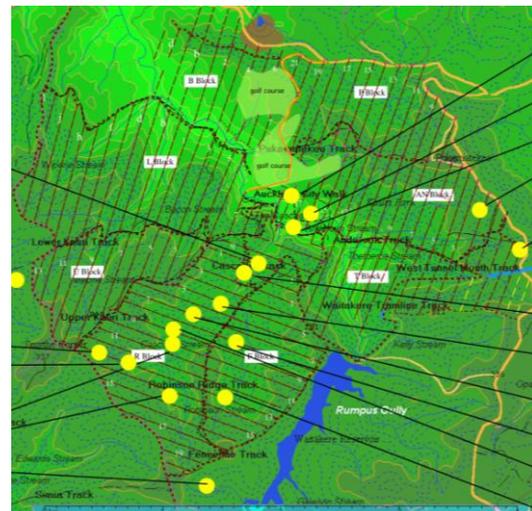
During 2011-13 the AIP area had a huge expansion of pest control area with an additional protected area of approximately 750 hectare which has a large habitat for NI Robins. NI Robins are more widespread (see maps 2 - 6). NI Robins were seen in areas where volunteers a few years ago have had no access. No data exists prior to today which makes it impossible to say if the NI Robins are new to the area or if they had territories there before we had the knowledge about it. With mostly unbanded individuells in most areas, no specific data is available. But more and more sightings in the extended areas from the volunteers indicates that they are doing very well there.

Some sightings or callings have been outside the AIP area, and as far as Huia Dam, which is about 10 km away from the southern border. We know that this is not a save area. A whitehead has been killed by a cat outside the AIP area. We have no data about how many NI robins are leaving the protected AIP area. But the assumption is a few are leaving and it is unsure if they will come back. Although we know that kokako are visiting other areas and come back alive into the protected AIP area.

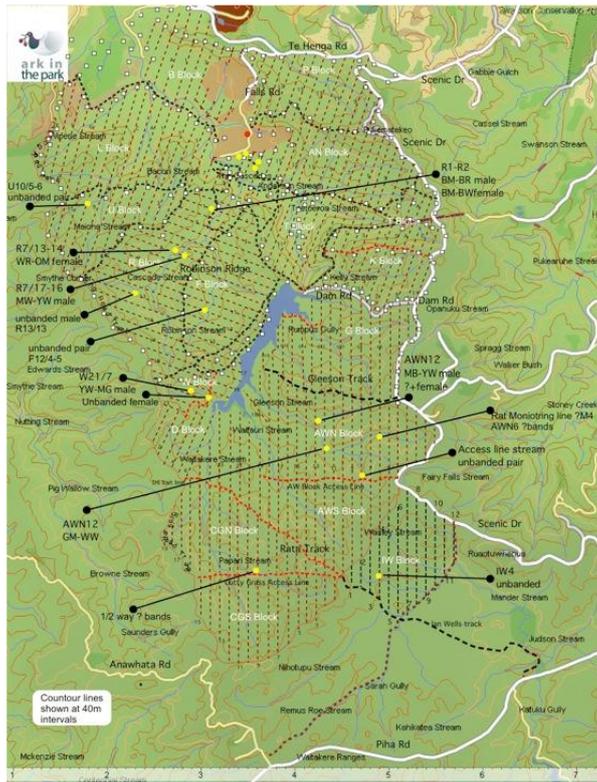
Maps 3 - 7 show the Widespread Sightings of NI Robins at AIP (Maps: Karen and Maurice Colgan).



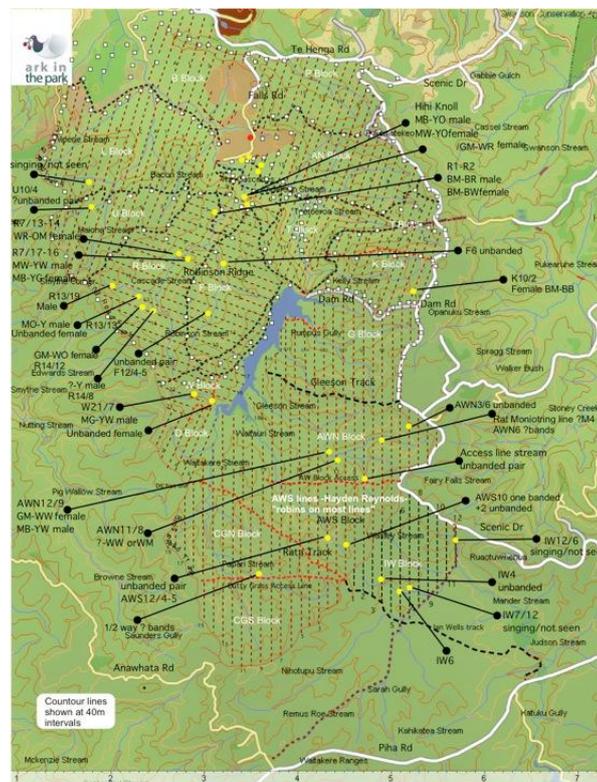
Map 3:  
NI Robin Territories Identified in the  
Seasons 2005-06, 2006-07 and 2007-08  
(Maps: Karen and Maurice Colgan)



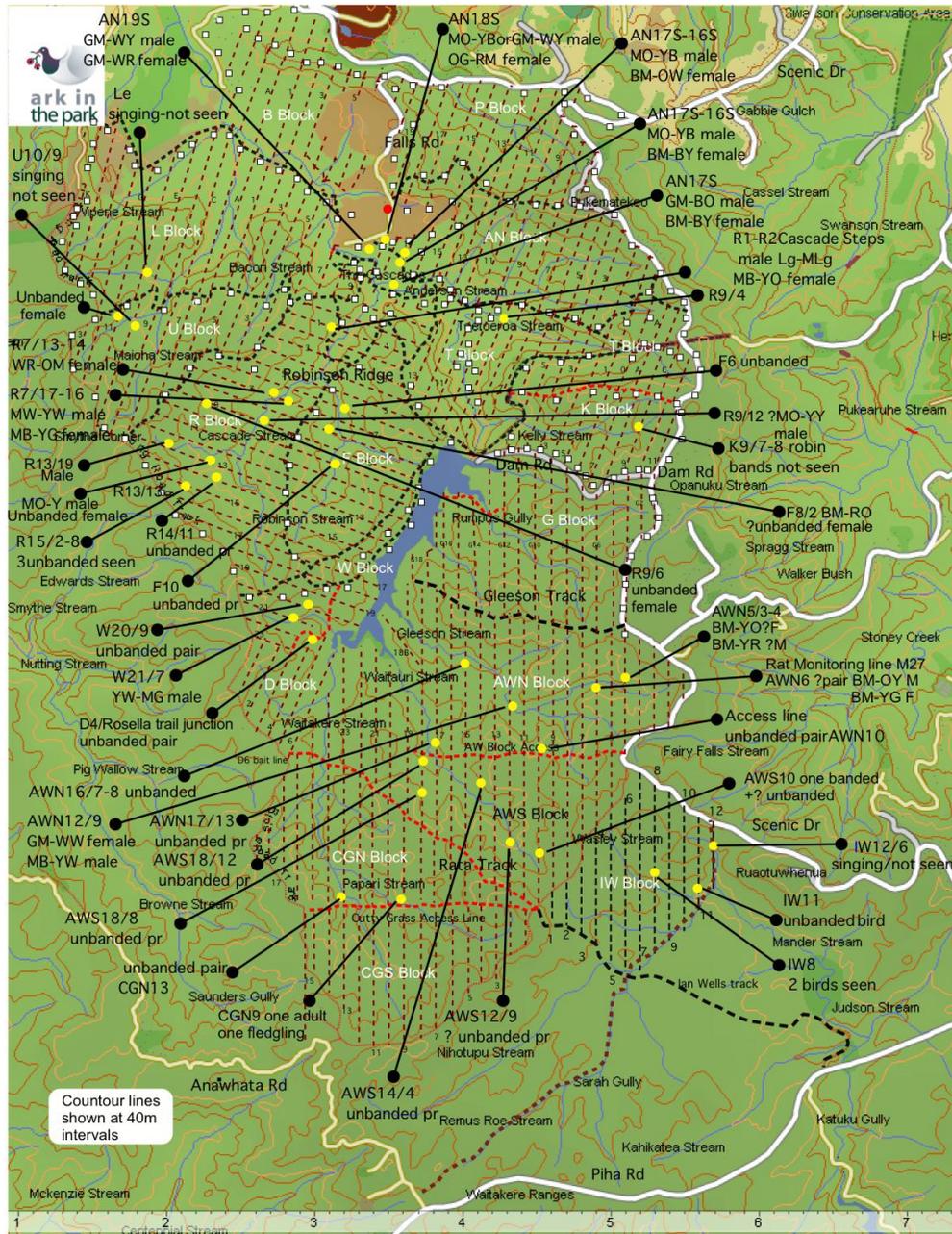
Map 4:  
Locations of NI Robin Observations in 2009-10  
(Maps: Karen and Maurice Colgan)



Map 5: NI Robin Sightings in the Season 2010-11  
(Map: Karen and Maurice Colgan)



Map 6: NI Robin Sightings in the Season 2011-12  
(Map: Karen and Maurice Colgan)



Map 7: NI Robin Sightings in the Season 2012-13  
(Map: Karen and Maurice Colgan)

The 5 closely monitored ACW pairs in 2012-13 reduced from 8 to 5 breeding adults. Two females had not managed to attract new males with their territory near the border line of AIP which was not a problem the years before. None of the 13 fledglings of the ACW birds were predated. Even though one morning a morepork most likley had attacked one nest with very upset parents around. A very young fledgling was around and 2 chicks still in the nest which also made it to fledge. Alltogether the remaining 5 core ACW breeding adults had a successful breeding season which leads to the assumption they will cope well in the event of losses.

13 banded ACW fledglings of the 2012-13 breeding season will give the potential to see where they will settle for their own territories. 3 of them seem to have found new sites. All sites are not close to their fledgling sites.

With over 64% (50 % in 2011-12) of sightings of unbanded birds, it leads to the assumption of a younger population than the average age of 2.7 years. The number of individual bird sightings (122 birds in 2012-13 to 83 birds in 2011-12 = increase of 47%) is growing which also leads to the assumption of a possible growing population. The difference between the rough growth calculation of 133 birds under very good conditions and the sighted 122 birds is only 11 birds (8 %). The difference is not so huge which also leads to the assumption a growing population is possible existing. With mostly not very experienced volunteers as monitorer 122 birds is a very good number on sightings wich also leads to the assumption of a possible growing population.

These assumptions however will have to be used carefully. Still too many NI Robins might not be monitored or no detailed data is available.

For the first time all 13 ACW fledglings have been banded this breeding season, making it possible to see where they will have their territories or who they pair up with. With a total of 21 NI Robins banded this season it will be possible to get more detailed data in the future.

NI Robins are regularly seen by visitors, even by those that do not have a great knowledge of birds. This species plays an important “ambassador” role, fostering understanding of the concept of ecosystem restoration. Although dogs are supposed to be on leads at all times in the AIP area, there is abundant evidence that this does not happen. Particularly with regard to NI Robins which are feeding on the ground this species will benefit greatly from the dog prohibition starting in July 2013.

## 10. **Acknowledgement of Support**

The Ark in the Park Restoration project is a community based volunteers project - a partnership between Forest and Bird and the Auckland Council supported by Te Kawerau a Maki. Its sustainability relies on voluntary support.

In addition, the Auckland Council supports the Ark in the Park restoration project in many ways, including the provision of bait for the project's rat management and support for the project manager. The Auckland Council also provides logistical support and technical advice and their rangers are a much appreciated source of on-the-ground support.

Significant funding for the project comes from two major sponsors: ASB Community Trust and The Trusts Community Foundation (TTCF). Funding has also come from the Birdlife International Community Fund, Auckland Zoo Conservation Fund, the Department of Conservation Biodiversity and Advice Fund, as well as the Guardian Trust, the Watson Trust and Zelda Roberts Charitable Trust.

There are less robin monitoring volunteers than in previous years (less resources available i.e. volunteers were concentrating on kokako monitoring). Nevertheless there were again more robin monitoring hours than in previous years. Without the hard and time intensive work of the AIP volunteers this NI Robin Summary Report would not have been possible.

It was a pleasure for me to get so close again to these wild birds and to see some of their sometimes unexpected behaviour.



**THANKS.**

Heidrun had banded fledgling BM-RG  
(mother GM-WR, father GM-WY), 22.10.2012:  
– Photo taken by Mathias Riemenschneider

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## 14. List of Abbreviations

ACW	Auckland City Walk
AIP	Ark in the Park
AW	AW
CG	Cutty Grass
DOC	Department of Conservation
F	Female
F&B	Forest & Bird
ha	hectare
IW	Ian Wells
M	Male
NI	North Island
U	Unidentified

Table 6: NI Robin Banding Colours Used at AIP

	B	Blue
	G	Green
	M	Metal
	O	Orange
	P	Hot Pink
	R	Red
	W	White
	Y	Yellow
	Lg	Limegreen



**Appendix 1 : NI Robin Nest Information near ACW**

2012-2013 Season												
Mother	Father	Location	Nest No.	Notes: Fledglings Bands	Date Nest found	Date Incubating	Date hatched	No. of Nestlings	Date Fledged	Fledglings	Fledglings/Female or Pair	Date Banded
OG-RM	Most likely GM-WY	AN18S/1, near	1	BM-RY	23.10.12	23.10.12	03.11.12	2?	24.11.12	1		10.12.12
OG-RM	Most likely MO-YB	ACW, 20 m to S after AN18S	2	BM-YB	05.01.13	17.12.12?	06.01.13	U	23.01.13	1	2	21.02.12
GM-WR	GM-WY	ACW, 25 m, S; before entry upper	1	BM-RG BM-RW	14.08.12	28.08.12	14.09.12	2	06.10.12	2		22.+ 27.10.12
GM-WR	GM-WY	ACW, 15 m, N; after entry upper	2	BM-WB	23.10.12	23.10.12	10.11.12	1	01.12.12	1		23.12.12
GM-WR	GM-WY	ACW, 10 m, N; after entry upper	3	BM-WR BM-WW BM-WY	10.12.12	10.12.12		U	13.01.13	3	6	28.+ 29.01.13

Mother	Father	Location	Nest No.	Notes	Date Nest found	Date Incubating	Date hatched	No. of Nestlings	Date Fledged	Fledglings	Fledglings/Female or Pair	Date Banded
BM-BY	GM-BO	AN17S, 50 m to E	1	BM-RO BM-RR	17.08.12	28.08.12	15.09.12	2	06.10.12	2		22.10.12
BM-BY	MO-YB	AN16S to new ACW	2	WG-BM BM-WO BM-WG	21.11.12	21.11.12	04.12.12	3	22.12.12	3	5	16.+ 25.01.13
BM-OW	MO-YB	Former ACW, W of AN16S	1	08.10.12: after 6 days incubating abandoned. Switched by BM-BY	24.09.12	02.10.12	-				-	
		<b>Total</b>	<b>8</b>					9?		<b>13</b>	<b>3,25</b>	

### Appendix 2: NI Robin Pairings 2006-2013

2012-13		2011-12	2010-11	2009-10	2008-09	2007-08	2006-07	Total	Pairs/ Years	Approx imate Age	Origin
Robin	Partner	Partner	Partner	Partner	Partner	Partner	Partner	No. Partners			
BM-BY*	MO-YB	GM-BO	*Banded as Adult 2011					2	1/2, 1/2	2	AIP
BM-OW*	MO-YB	*Banded as young Adult 2012						1	0.5/1	1	AIP
BM-YO*	BM-YW	*Banded as Adult 2012						1	1/1	1	AIP
BM-YW*	BM-YO	*Banded as Adult 2012						1	1/1	1	AIP
GM-BO	BM-BY	GB-OM predated, then BM- BY	GB-OM	Born				2	1,5/3, 1,5/3	3	AIP
GM-WR	GM-WY	GM-WY	GM-WY	Born				1	3/3	3	AIP
GM-WY	GM-WR	GM-WR	GM-WR	Born				1	3/3	3	AIP
Lg/M-Lg*	MB-YO	*Banded as Adult 2012						1	1/1	1	AIP
MB-YO	Lg/M-Lg	MW-YO	MW-YO	MW- YO				2	3/4,1/4	4	Mangatutu

2012-13		2011-12	2010-11	2009-10	2008-09	2007-08	2006-07	Total	Pairs/ Years	Approx imate	Origin
Robin	Partner	Partner	Partner	Partner	Partner	Partner	Partner	No. Partners		Age	
MO-YB	1. BM-OW, then BM-BY	GM-BW former unbanded 1	Unbanded 1 (M-YM Not seen)	M-YM				2	0,5+0,5/1, 2/4, 1/4	4	Mangatutu
MO-YY	unbanded female							11	1/1	1	AIP
MW-YW	WR-OM	MB-YG + WR-OM	MB-YG + WR-OM	MB-YG	* MW-YW courted both birds at the same time. Both producing Juveniles			2	3/4, 3/4	4	Mangatutu
OG-RM (raised 2 fledglings from 2 clutches alone)	GM-WY or MO-YB	M-YY	M-YY	M-YY (BY-OM not seen)	BY-OM	None	Born	3 or 4	0,5+0,5/6, 3/6, 1/6, 0/6	6	AIP
WR-OM	MW-YW	MW-YW	MW-YW (OM-RB Not seen)	OM-RB	Born			2	3/4, 1/4	4	AIP
unbanded female	MO-YY							1	1/1	1	AIP
								<b>Average</b>	1,6	<b>Average</b>	2.6

## Appendix 3: Different Survival Rates in Percent

$$P = \text{existing } P * e^{rt}$$

<b>April 2005:</b>	<p>1. release = 53 NI robins r = 20 % Population of first released robins after winter at the start of the first breeding season 2005-06: Exist. P = 11 birds (sighted birds in 2005/06<sup>16</sup>)</p> <p>How big is the population in 4 years at the second release (2009)? P = existing P * e<sup>rt</sup> = 11 * e<sup>0.20*4</sup> = 24.5 birds ≈ 24 birds</p>	<p>1. release = 53 NI robins r = 23.1 % Population of first released robins after winter at the start of the first breeding season 2005-06: Exist. P = 11 birds (sighted birds in 2005/06<sup>3</sup>)</p> <p>How big is the population in 4 years at the second release (2009)? P = existing P * e<sup>rt</sup> = 11 * e<sup>0.231*4</sup> = 27.7 birds ≈ 27 birds</p>	<p>1. release = 53 NI robins r = 25 %<sup>17</sup> Population of first released robins after winter at the start of the first breeding season 2005-06: Exist. P = 11 birds (sighted birds in 2005/06<sup>3</sup>)</p> <p>How big is the population in 4 years at the second release (2009)? P = existing P * e<sup>rt</sup> = 11 * e<sup>0.25*4</sup> = 29.9 birds ≈ 29 birds</p>
<b>June 2009:</b>	<p>2. release = 30 NI robins r = 20 % Population of second released robins after winter at the start of the breeding season 2009-10: Exist. P = 34 birds (sighted birds in 2009/10<sup>18</sup>) Exist. P = 24 birds (2005-09) + 34 birds = 58 birds</p> <p>How big is the population in 3 years (2012)? P = existing P * e<sup>rt</sup> = 58 birds * e<sup>0.20*3</sup> = 105.68 birds ≈ 105 birds</p>	<p>2. release = 30 NI robins r = 23.1 % Population of second released robins after winter at the start of the breeding season 2009-10: Exist. P = 34 birds (sighted birds in 2009/10<sup>4</sup>) Exist. P = 27 birds (2005-09) + 34 birds = 61 birds</p> <p>How big is the population in 3 years (2012)? P = existing P * e<sup>rt</sup> = 61 birds * e<sup>0.231*3</sup> = 122.0 birds = 122 birds</p>	<p>2. release = 30 NI robins r = 25 % Population of second released robins after winter at the start of the breeding season 2009-10: Exist. P = 34 birds (sighted birds in 2009/10<sup>4</sup>) Exist. P = 29 birds (2005-09) + 34 birds = 63 birds</p> <p>How big is the population in 3 years (2012)? P = existing P * e<sup>rt</sup> = 63 birds * e<sup>0.25*3</sup> = 133.37 birds ≈ 133 birds</p>

<sup>16</sup> Robin breeding 2006-2007 at:

([http://www.arkinthepark.org.nz/documents\\_and\\_images\\_in\\_app/robin\\_breeding.html](http://www.arkinthepark.org.nz/documents_and_images_in_app/robin_breeding.html))

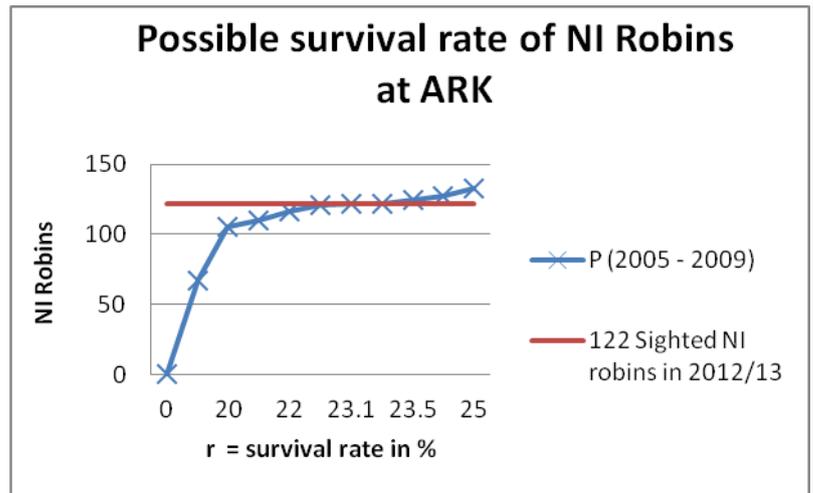
<sup>17</sup> Which is a reasonable value for robins under good conditions like on Tiritiri Matangi (predator free island) for the first year.

<sup>18</sup> Michelle Dublon (2010) Ark in the Park, Summary of North Island Robin, Breeding Season Data and Sightings 2009 – 2010, At: <http://www.arkinthepark.org.nz/downloads/robin-season-2009-2010.pdf>

$$P = \text{existing } P * e^{rt}$$

2005								
existing population = sighted NI Robins 2005	r (%)	t (years)	P	P (to round down)		$e^{rt}$		
11	20	4	24.5	24		2.225541		
11	21	4	25.5	25		2.316367		
11	22	4	26.5	26		2.4109		
11	23	4	27.6	27		2.50929		
11	23.1	4	27.7	27		2.519348		
11	23.2	4	27.8	27		2.529445		
11	23.5	4	28.2	28		2.559981		
11	24	4	28.7	28		2.611696		
11	25	4	29.9	29		2.718282		
11	10	4	16.4	16		1.491825		
11	5	4	13.4	13		1.221403		
2009								
Sighted NI Robins 2009	pos. survived birds	existing population	r (%)	t (years)	P	P (to round down)		$e^{rt}$
34	24	58	20	3	105.7	105		1.8221188
34	25	59	21	3	110.8	110		1.877610579
34	26	60	22	3	116.1	116		1.934792334
34	27	61	23	3	121.6	121		1.993715533
34	27	61	23.1	3	122.0	122		1.999705661
34	27	61	23.2	3	122.3	122		2.005713785
34	28	62	23.5	3	125.5	125		2.023846685
34	28	62	24	3	127.4	127		2.054433211
34	29	63	25	3	133.4	133		2.117000017
34	16	50	10	3	67.5	67		1.349858808
34	13	47	5	3	54.6	54		1.161834243

r (%)	P (2005 - 2009)	122 sighted NI robins in 2012/13
0	0	122
10	67	122
20	105	122
21	110	122
22	116	122
23	121	122
23.1	122	122
23.2	122	122
23.5	125	122
24	127	122
25	133	122



#### Appendix 4: Summary of Banded NI Robin Sightings in Ark in the Park 2012-2013

No.	Band Combo	Sex	Total No. of Sightings	Partner	Location	First Seen	Last Seen	Location Last Seen if different or not habitual	Missing	Own Territory ?
1	BM-BW	F	9		R1/R2	29/05/2012	29/08/2012		Missing	
2	BM-BY	F	48	GM-BO + MO-YB	AN18/1 on former ACW tk, 10m W from	07/04/2012	11/05/2013			
3	BM-OB	U	1		AWN18 at new log bridge	07/08/2012				
4	BM-OR ?	U	1		F7/5	13/04/2012				
5	BM-OW	F	10	MO-YB	former ACW 30 m after dismantled bridge, before AN17S	06-09-12	07/04/2013	T9/4		T9/4 (New Territory?)
6	BM-OY	M	4		AW access line between AWS7 + AWS8	16-09-12	21/03/2013			
7	BM-RB	F?	1		AWN4/8; mAWdiag 23, before this station	18-09-12				
8	BM-RG	U	1	Fledgling	AN19S bottom	22-10-12				
9	BM-RO	M	3	Fledgling	former ACW between AN18S +17S	22-10-12	09/03/2013	F8/1-2		F8/1-2

No.	Band Combo	Sex	Total No. of Sightings	Partner	Location	First Seen	Last Seen	Location Last Seen if different or not habitual	Missing	Own Territory ?
10	BM-RR	U	2	Fledgling	former ACW between AN18S +17S	22-10-12				
11	BM-RW	F	4	Fledgling	AN19S bottom	27-10-12	26/03/2013	AWN4/8-9		AWN4/8-9
12	BM-RY	M?	1	Fledgling	AN18S/1	10-12-12				
13	BM-WB	U	1	Fledgling	Aviary	10-12-12				
14	BM-WG	M?	1	Fledgling	AN17S-6, near	25-01-13				
15	BM-WO	U	1	Fledgling	AN17S-closer 16S, Between	16-01-13				
16	BM-WR	U	2	Fledgling	entry upper ACW (S), 50 m after	28-01-13	17/02/2013			
17	BM-WW	U	1	Fledgling	entry upper ACW (S), 20 m before	28-01-13	28-01-13			
18	BM-WY	U	1	Fledgling	entry upper ACW (S), 50 m after	29-01-13	29-01-13			
19	BM-YB	M?	6	Fledgling	AN18S-1	06-02-13	22/03/2013	AWN6/5-6, diag rat monitoring line (AWN block)		
20	BM-YG	F?	2		AWN4/7-5/7, mAWdiag 26-27	09-02-13	09-02-13			
21	BM-YO	F?	2	BM-YW	AWN5/3-4	23-02-13	29/04/2013			
22	BM-YR	M?	1	Fledgling	AWN5/3-4, close to 4	26-02-13				

No.	Band Combo	Sex	Total No. of Sightings	Partner	Location	First Seen	Last Seen	Location Last Seen if different or not habitual	Missing	Own Territory ?
23	BM-YW	M	1	BM-YO	AWN5/3-4, close to 4	28-02-13				
24	BM-YY	M	2		T14/2	01-05-13	02/06/2013	T10/0		
25	GM-BO	M	24	BM-BY	former ACW track, 10m W from AN18/1 baitstation on	07/04/2012	18/08/2012		missing	
26	GM-BW	F	11	MO-YB	R14/12		10/04/2012		missing	
27	GM-WO	F	2	-	AN19ext	04/05/2012	23/09/2012			
28	GM-WR	F	61	GM-WY	AN19ext. stream side	05/04/2012	17/02/2013		missing	
29	GM-WY	M	51	GM-WR	AN17 nest no. 3 side to AN16/5 + back till AN16ext./1	10/04/2012	28/04/2013	R8		
30	Lg/M-Lg ( BM-OO? most likely not existing)	M	16	MB-YO	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	16/05/2012	01/05/2013			
31	MB-YG	F	2	MW-YW	R6	05/04/2012				

No.	Band Combo	Sex	Total No. of Sightings	Partner	Location	First Seen	Last Seen	Location Last Seen if different or not habitual	Missing	Own Territory ?
32	MB-YO	F	7	Lg/M-Lg	C1/9, around, Hihi Knoll	19/06/2012	01/05/2013	R1/7-R2/7, Cascade Tk. between, named Casdace Steps		
33	MB-YY	F	1		ACW	08/06/2012				
34	MG-YW?	M	1		W20/8, near: in gully where Rosella track crosses stream before W20	11/04/2013				
35	MO-YB	M	44	BM-OW + BM-BY	AN17/ACW after platform	08/04/2012	02/05/2013			
36	MO-YY	M	5	unbanded female	R9/12-13	30/04/2012	14/05/2013	R13-14 #9 (R13-14), Rat Monitoring Station M		
37	MW-YO	M	5	MB-YO	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	02/04/2012	16/04/2012	AN 19 ext., Shortcut	missing	
38	MW-YW	M	3	MB-YG WR-OM	R7/16 - 17	23/09/2012	23/09/2012			

No.	Band Combo	Sex	Total No. of Sightings	Partner	Location	First Seen	Last Seen	Location Last Seen if different or not habitual	Missing	Own Territory ?
39	M-YY	M	30	OG-RM	Aviary	07/04/2012	24/06/2012	C2-13 (close to UK) at the new fallen tree	missing	
40	OG-RM	F	48	M-YY	Aviary	05/04/2012	27/04/2013			
41	WG-BM	U	2	Fledgling	AN17S-closer 16S	16-01-13	27/01/2013			
42	WR-OM	F	1	MW-YW	R7/16 to 17	23/09/2012				
43	Banded	U	1		AWS10	25/04/2012	25/04/2012			
		Total	421	* less sightings as last season because one main observer's sightings not listed						

## Appendix 5: NI Robin Sightings in Ark in the Park 2012-2012

	Date of Sighting	Bands	Sex	Location	Description
1	09/04/2012	-	-	AN 15	no sign of robins
2	20/04/2012	-	-	Fencline Tk till steps	no sign
3	20/04/2012	-	-	Whatitiri Tk to hihi feeder 7 + back to swing bridge ACW	no sign
4	21/04/2012	-	-	AN 2	no sign
5	21/04/2012	-	-	AN2	no sign
6	25/04/2012	-	-	T0	no sign
7	25/04/2012	-	-	T1	no sign
8	05/05/2012	-	-	F7/5	No sign.
9	29/05/2012	-	-	around R3 and up the stream toward R4	no sign
10	18/08/2012	-	U	CGN6/1-9	no sign
11	18/08/2012	-	U	CGS6/1-23	no sign
12	02/05/2012	-	-	Anderson Tk till stream	no sign
13	02/05/2012	-	-	Upper Kauri Tk till 2. woodsteps	no sign
14	25/04/2012	Banded	U	AWS10	3 robins on AWS10, one banded.
15	16/05/2012	Banded	F	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	Heidrun: pos. BM-BW or MB-YO?)
16	29/05/2012	BM-BW	F	R1/R2	
17	03/06/2012	BM-BW	F	R3/7	
18	08/06/2012	BM-BW	F	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	
19	12/06/2012	BM-BW	F	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	Together with GM---
20	15/06/2012	BM-BW	F	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	Together with GM---
21	15/08/2012	BM-BW	U	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	seen
21	15/08/2012	BM-BW	U	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	seen
22	15/08/2012	BM-BW	U	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	Seen
23	22/08/2012	BM-BW	U	R1/7-R2/7,	Seen

	Date of Sighting	Bands	Sex	Location	Description
				Cascade Tk. between, named Casdace Steps	
24	29/08/2012	BM-BW	U	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	Seen
25	07/04/2012	BM-BY	F	AN18/1 on former ACW tk, 10m W from	Chased GM-BO. Ate & cached
26	10/04/2012	BM-BY	F	AN17ext./orange line nest no. 3 more N	Took worms + cached. Chased by GM-BO
27	13/04/2012	BM-BY	F	AN 19 ext., shortcut	Ate + cached worms.
28	24/04/2012	BM-BY	F	AN17ext., before	Came too. Took worms + cached.
29	28/04/2012	BM-BY	F	AN17 baitline, former ACW track, 25m W of	Ate & cached. Tolerated GM-BO around with minimal aggressive behaviour from GM-BO.
30	02/05/2012	BM-BY	F	AN17ext., before	Chased by GM-BO. Took worms + cached.
31	17/05/2012	BM-BY	F	AN17ext.	No sign
32	27/05/2012	BM-BY	F	ACW track - Hihi feeder 4	In MO-YB's territory (also present MO-YB & GM-BO). Chased GM-BO. Ate worms & cached
33	29/05/2012	BM-BY	F	ACW near T18	
34	01/06/2012	BM-BY	F	AN17ext.	I wrote my notes and she appeared, took 4 worms + cached..
35	09/06/2012	BM-BY	F		
36	17/06/2012	BM-BY	F	AN17ext.	no sign
37	22/06/2012	BM-BY	F	AN17ext.	She was chased a little bit by her male GM-BO. Both took worms + cached. She followed me.
38	24/06/2012	BM-BY	F	ACW track between T17 baitline & bridge	Ate & cached. Very tame & quiet
39	04/07/2012	BM-BY	F	AN17ext., before	Took worms + cached.
40	19/07/2012	BM-BY	F	AN17ext.	Male GM-BO was nearby. Both took worms + cached.
41	22/07/2012	BM-BY	F	AN18ext baitline, former ACW track near	Ate & cached. Chased GM-BO.
42	26/07/2012	BM-BY	F	AN17ext.	Male GM-BO was nearby. Both took worms + cached. She was dominant.
43	29/07/2012	BM-BY	F	AN17ext.	Ate + cached.
44	02/08/2012	BM-BY	F	AN17ext.	no sign
45	07/08/2012	BM-BY	F	AN17ext.	Female BM-BY took worms (hungry) + cached. Male GM-BO found a rain worm. She was still dominant. GM-BO wanted to mate but she did not like it.
46	10/08/2012	BM-BY	F	Plattform	Female BM-BY took worms (hungry). Followed me the former ACW + male GM-BO appeared. She was very dominant. He get not close to her or chased her. Also with worms he was very careful to

	Date of Sighting	Bands	Sex	Location	Description
					get not attention from her!!!
47	14/08/2012	BM-BY	F	AN17ext.	Female BM-BY took worms (hungry) and cached my last one. Once she took nest material but lost it. She looked not so plump as female GM-WR.
48	18/08/2012	BM-BY	F	AN17ext A (old numbering), 1st nest site near	Fed by GM-BO. Chased GM-BO. Lots of cheeping
49	26/08/2012	BM-BY	F	AN17ext A (old numbering), 1st nest site near	Ate lots of worms
50	02/09/2012	BM-BY	F	AN17ext A (old numbering), 1st nest site near	Ate & cached. Found a big huhu grub. Gobbled it up
51	09/09/2012	BM-BY	F	AN17S nest baitstation, east of AN17S/9 baitstation	Appeared again after being on nest
52	09/09/2012	BM-BY	F	AN17S/8	seen
53	09/09/2012	BM-BY	F	AN17S/8 baitstation (was AN17ext/1), Nest near	Incubating, no sign of male
54	09/09/2012	BM-BY	F	AN17S/8 baitstation	Very close to nest, appeared at baitstation
55	18/09/2012	BM-BY	F	AN17S/8 (was AN17ext/1) baitstation	Took 2 worms to nest - chicks hatched?? further 2 worms were cached. No noise from nest
56	19/09/2012	BM-BY	F	AN17ext. nest side	No sign but was there only for 5 min.
57	23/09/2012	BM-BY	F	AN17S/8, Nest site near	Took worms to nest. Possibly 2 chicks, definitely 1? Disturbed ground for her to graze
58	23/09/2012	BM-BY	F	ACW/T17 baitline	Took 2 worms in direction of nest
59	29/09/2012	BM-BY	F	ACW/Hihi feeder 4 then followed us down to nest site near baitstation AN17S/8	Fed chicks. Definitely 2 possibly 3
60	20/10/2012	BM-BY	F	ACW track, 20m NW of bridge, New	Lots of alarm calls. Took worms in direction of fledglings. Fed 1 worm by MO-YB, then was chased by him
61	20/10/2012	BM-BY	F	former ACW track, 5m south of dismantled bridge area	Fed 2 fledglings
62	10/11/2012	BM-BY	F	AN17S baitline, 10m south of baitstation 4	Lots of chattering. Ate & cached. MO-YB turned up & chased her
63	24/11/2012	BM-BY	F	ACW track/AN16S nest area	Fed by MO-YB, cached, incubating
64	02/12/2012	BM-BY	F	ACW AN16S nest area	Ate & cached
65	09/12/2012	BM-BY	F	ACW AN16S nest	Quiet & relaxed. Lots of soft chirping. Fed by MO-YB
66	16/12/2012	BM-BY	F	ACW AN16S nest area	Feeding chicks

	Date of Sighting	Bands	Sex	Location	Description
67	23/12/2012	BM-BY	F	ACW AN16S nest	Chicks fledged. Took worms in S direction. Too much supplejack to follow
68	31/12/2012	BM-BY	F	ACW boardwalk, 10m NW (290deg) - inside boardwalk loop, Southern end of new	Fed fledgings
69	17/02/2013	BM-BY	F	former ACW track, 5m east of AN17S baitline intersection.	Watched me from tree. Very quiet. Came down for worms. In moult - no tail feathers
70	23/02/2013	BM-BY	F	former ACW track, 5m past AN17S baitline near sightseeing platform on new ACW boardwalk	Ate & cached. No tail feathers
71	03/03/2013	BM-BY	F	ACW new boardwalk lookout	Ate & cached. Tail feathers half grown
72	11/05/2013	BM-BY	U	ACW, At the picnic table on the	Very inquisitive and sitting on the picnic table. See my photo <a href="http://www.flickr.com/photos/studiopajaro/8727315411/in/photostream/">http://www.flickr.com/photos/studiopajaro/8727315411/in/photostream/</a>
73	07/08/2012	BM-OB	?	AWN18 at new log bridge	Came in to check us out at lunch. Pink/Blue Blue/Metal. I reviewed the banding data and figure we actually saw BM-OB. I know there was blue on both legs as well as metal on one and what we thought was pink on the other, but was probably orange as that bird was banded in the same area.
74	13/04/2012	BM-OO ?	U	R1	Get bands.
75	13/04/2012	BM-OR ?	U	F7/5	Get bands.
76	2012-09-06	BM-OW	F	former ACW 30 m after dismantled bridge, before AN17S	Get bands.
77	09/09/2012	BM-OW	F	ACW track, near AN16S baitline	Ate a couple of worms. Dominated by male. Very hesitant about coming down to ground - recently banded.
78	09/09/2012	BM-OW	M	AN 16/10	black body cream chest and an all black mate
79	18/09/2012	BM-OW	F	ACW/AN16S baitline	Still very timid of people and male MO-YB. Came from & flew back in direction of former ACW track. Possible area of nest!
80	19/09/2012	BM-OW	F	AN16S, former ACW	He ate a lots of worms but also fed sometimes female BM-OW. She was doing nothing special.
81	23/09/2012	BM-OW	F	ACW/AN16S baitline	Ate 2 worms. Male called, she flew to him. Male found me & brought female back & fed her
82	07/10/2012	BM-OW	F	new ACW track near AN16S	incubating. very secretive

	Date of Sighting	Bands	Sex	Location	Description
				baitline	
83	03/03/2013	BM-OW	F	ACW track (betw. AN16S & AN15S baitlines), southern intersection of former/new	Very, very shy. Ate & cached
84	07/04/2013	BM-OW	F	AN15S/10	12:20 am. Tapped + whistled. She appeared, took worms + cached.
85	10/01/2013	BM-OW ? (?Y)M-W (?B)	F	T9/4	I saw a robin at T9/4 today near a stream crossing. I heard singing before it appeared.
86	2012-09-16	BM-OY	M	AW access line between AWS7 + AWS8	Get bands.
87	01/12/2012	BM-OY	M	AWN4/8-9	Female appeared and came quite close; new sighting at this location; had no more worms
88	09/02/2013	BM-OY	M	mdiagonal access line between rat monitoring tunnel M21 + M22, little stream before long rope	took worms
89	21/03/2013	BM-OY	M?	AWN3/7-8, AWNDiagonal M21 rat monitoring line	11 am at the first monitoring tunnel M21 – it followed me to the second tunnel M22. Looked like a male (a very distinct whitish chest).
90	2012-09-18	BM-RB	F?	AWN4/8; mAWdiag 23, before this station	Get bands.
91	2012-10-22	BM-RG	U	AN19S bottom	Get bands.
92	2012-10-22	BM-RO	U	former ACW between AN18S +17S	Get bands.
93	09/03/2013	BM-RO	M	F8/1-2	BM-RO appeared after playing player. Very upset. A lots of calling then.
94	20/10/2012	BM-RO ), Unbanded (now	U	Former ACW track, 5m south of dismantled bridge	Fed by BM-BY
95	2012-10-22	BM-RR	U	former ACW between AN18S +17S	Get bands.
96	20/10/2012	BM-RR ), Unbanded (now	U	Former ACW track, 5m south of dismantled bridge	Fed by BM-BY
97	2012-10-27	BM-RW	M?	AN19S bottom	Get bands.
98	01/12/2012	BM-RW	F	AWN4/8-9	Female appeared and came quite close; new sighting at this location; had no more worms
99	01/12/2012	BM-RW	F	AWN4/8-9	Female appeared and came quite close; new sighting at this location; had no more worms Male description (please change on previous entry for male BM-OY): Heard the male first from a distance at AWN4#6, and again later between #7-8; call came from the

	Date of Sighting	Bands	Sex	Location	Description
					direction of AWN3 and Scenic Drive; sighted at AWN4#8-9 together with female; coming with 2 meters
100	26/03/2013	BM-RW	U	AWN4/9	It was a male and the banding was Red over White(could have been Red/Silver)
101	2012-12-10	BM-RY	M?	AN18S/1	Get bands.
102	2012-12-23	BM-WB	U	Aviary	Get bands.
103	2013-01-25	BM-WG	M?	AN17S-6, near	Get bands.
104	2013-01-16	BM-WO	U	AN17S-closer 16S, Between	Get bands.
105	2013-01-28	BM-WR	U	entry upper ACW (S), 50 m after	Get bands.
106	17/02/2013	BM-WR	U	ACW Upper entrance, west side near large kauri tree	Fed by GM-WR
107	2013-01-28	BM-WW	U	entry upper ACW (S), 20 m before	Get bands.
108	2013-01-29	BM-WY	U	entry upper ACW (S), 50 m after	Get bands.
109	2013-02-06	BM-YB	M?	AN18S-1	Get bands.
110	17/02/2013	BM-YB	U	aviary, near ACW upper entrance, Behind	Fed by OG-RM
111	23/02/2013	BM-YB	U	Aviary, near ACW upper entrance, Entrance to	Fed by OG-RM. Picked up a couple of worms itself & played with it.
112	03/03/2013	BM-YB	U	Aviary, near ACW upper entrance, followed to Aviary, Walkway to	Fledgling came instantly to tapping. Played with worms. Made alarm call, but could not spot reason for it. Followed me to aviary. Was squawked at & chased a little by it's mother (OG-RM).
113	21/03/2013	BM-YB	U	AWN6/5-6), at the Junction of AWNDiagonal and the AWN6 Baitline (between Bait stations	1pm Not sure if it was male or female.
114	22/03/2013	BM-YB? banded	U	AWN6/5-6, diag rat monitoring line (AWN block)	4 robins the other 2 robins were at the west end were the line joins AWN6 one of the birds was banded but the other bird was not and from the way it behaved I think it was a chick from this season and while I could see at least one bird taking worms not shore if it was both or only one and both birds displayed caution towards us.
115	2013-02-09	BM-YG	F?	AWN4/7-5/7, mAWdiag 26-27	Get bands.
116	09/02/2013	BM-YG	F?	AWN4/7-5/7, mdiagonal access line between rat monitor tunnel M26	F?, banded

	Date of Sighting	Bands	Sex	Location	Description
				+ M27	
117	2013-02-23	BM-YO	F?	AWN5/3-4	Get bands.
118	29/04/2013	BM-YO	F	AWN4/4-5	Appeared after 'calling'; very cautious; white nose band flashing; chasing unbanded male (?) It was one of the banded birds, female I think. I could not see all the bands as I did not get close enough and down in the valley it was fairly dark, but I could see clearly the metal band, and an orange band with a light coloured band above the orange band. So I think it is the female banded by Heidrun in Feb 13 with bands BM-YO. The bird was very shy, with its white nose bridge flashing frequently. Kept on chasing away the other bird which I did not see close-up.
119	2013-02-26	BM-YR	M?	AWN5/3-4, close to 4	Get bands.
120	2013-02-28	BM-YW	M	AWN5/3-4, close to 4	Get bands.
121	2013-05-01	BM-YY	M	T14/2	Get bands.
122	02/06/2013	BM-YY	M	T10/0	Seen
123	07/04/2012	GM-BO	M	former ACW track, 10m W from AN18/1 baitstation on	Took a couple of worms. Chased by BM-BY
124	10/04/2012	GM-BO	M	AN17ext.	Flew over former ACW tk. Took 3 worms + cached. Chased BM-BY.
125	20/04/2012	GM-BO	M	T 17	Took 3 worms + cached.
126	24/04/2012	GM-BO	M	AN17ext., before	Came with open bill, so very stressed. Could not find out why. Maybe morepork? Took worms + cached.
127	28/04/2012	GM-BO	m	former ACW track, 25m W of AN17 baitline	Ate & cached. Tolerated BM-BY around with only minimal aggressive behaviour
128	02/05/2012	GM-BO	M	AN17ext., before	A male called + he appeared + chased BM-BY. Took worms + cached. He looked thinner than she. Maybe stress with his neighbour MO-YB about a female or stoat or morepork.
129	17/05/2012	GM-BO	M	AN17ext.	No sign
130	27/05/2012	GM-BO	M	ACW track - Hihi feeder 4	In MO-YB's territory (also present MO-YB & BM-BY). Chased BM-BY and was chased by BM-BY & MO-YB. Ate worms & cached
131	29/05/2012	GM-BO	M	ACW near T17	
132	01/06/2012	GM-BO	M	AN17ext.	No sign
133	08/06/2012	GM-BO	M	ACW	
134	17/06/2012	GM-BO	M	former ACW track, 10m W of AN17 ext baitline	Ate worms.
135	22/06/2012	GM-BO	M	AN17ext.	He chased a little bit his female BM-BY. Both took worms + cached.
136	24/06/2012	GM-BO	M	ACW track between	Ate & cached. Chased by BM-BY

	Date of Sighting	Bands	Sex	Location	Description
				T17 baitline & bridge	
137	04/07/2012	GM-BO	M	AN17ext., before	Took worms + cached.
138	19/07/2012	GM-BO	M	AN17ext.	Female BM-BY was nearby. Both took worms + cached.
139	22/07/2012	GM-BO	M	former ACW track near AN18ext baitline	Ate & cached. Chased by BM-BY. No feeding behaviour towards BM-BY displayed.
140	26/07/2012	GM-BO	M	AN17ext.	Female BM-BY was nearby. Both took worms + cached. He left.
141	29/07/2012	GM-BO	M	AN17ext.	no sign.
142	02/08/2012	GM-BO	M	AN17ext.	no sign
143	07/08/2012	GM-BO	M	AN17ext.	Female BM-BY took worms (hungry) + cached. Male GM-BO found a rain worm. She was still dominant. GM-BO wanted to mate but she did not like it.
144	10/08/2012	GM-BO	M	AN17ext.	Female BM-BY took worms (hungry). Followed me the former ACW + male GM-BO appeared. She was very dominant. He get not close to her or chased her. Also with worms he was very careful to get not attention from her!!!
145	14/08/2012	GM-BO	M	AN17ext.	No sign
146	18/08/2012	GM-BO	M	AN17ext A(old numbering), 1st nest site near	Fed BM-BY. Was chased by BM-BY.
147	10/04/2012	GM-BW	F	AN17 nest no. 3 side to AN16/5 + back till AN16ext./1	no sign. Mostly heard a male (MO-YB?) calling.
148	24/04/2012	GM-BW	F	ACW, new + former	no sign.
149	02/05/2012	GM-BW	F	ACW, new + former	no sign.
150	17/05/2012	GM-BW	F	ACW	no sign.
151	01/06/2012	GM-BW	F	ACW	no sign.
152	17/06/2012	GM-BW	F	AN16	no sign
153	22/06/2012	GM-BW	F	ACW	No sign
154	04/07/2012	GM-BW	F	AN16	no sign.
155	19/07/2012	GM-BW	F	ACW	No sign
156	26/07/2012	GM-BW	F	ACW	No sign
157	02/08/2012	GM-BW	F	ACW	No sign
158	04/05/2012	GM-WO	F	R14/12	2. sighting there (Aug. 2011)
159	23/09/2012	GM-WO	F	R14/10	Origin: GW-WO
160	05/04/2012	GM-WR	F	AN19ext	Took 6 worms + cached.
161	07/04/2012	GM-WR	F	AN18/2 baitstation, turn off at blue tag, 10m SW (235deg) of	Chased by unbanded robin. Came down to feed when unbanded robin caching. Unbanded robin made alarm calls. Eventually flew away.
162	07/04/2012	GM-WR	F	AN19/1 baitstation	Ate 5 worms & cached
163	10/04/2012	GM-WR	F	AN19ext.	Took 4 worms + cached.
164	13/04/2012	GM-WR	F	AN 19 ext., Shortcut	Ate + cached worms.
165	17/04/2012	GM-WR	F	AN19ext	Took 5 worms before cached.
166	17/04/2012	GM-WR	F	AN19ext. Nest A	Searching for the unbanded. She appeared.
167	20/04/2012	GM-WR	F	AN19ext.	
168	21/04/2012	GM-WR	F	AN18ext. blue shortcut line	After tapping came quickly in, took 5 worms + cached..

	Date of Sighting	Bands	Sex	Location	Description
169	24/04/2012	GM-WR	F	ACW spray bottles	
170	24/04/2012	GM-WR	F	AN19ext	Took worms + cached.
171	28/04/2012	GM-WR	F	ACW lower track near totara plaque & by Kauri tree in middle of track just after the Upper Kauri track turnoff.	Fed & cached. Chased GM-WY once. Then stole from GM-WY's cache and GM-WY displayed aggressive behaviour - wings outstretched. Amusing pair!
172	02/05/2012	GM-WR	F	entry upper ACW right, Before	I waited, she came, took 3worms + cached. Chased by GM-WY.
173	02/05/2012	GM-WR	F	T19	Later she appeared first there as I whistled + tapped. Both (male GM-WY) got no worms there. I had a good view to her colour band G. It looked like not so round and smaller in diameter as the other colour bands.
174	17/05/2012	GM-WR	F	AN19ext.	Tapped. She appeared, took 2 worms + cached.
175	17/05/2012	GM-WR	F	Falls Rd.	Tapped. She appeared, took 4 worms + sat with 5th worm in bill a while on the ground. She was nervous.
176	18/05/2012	GM-WR	F	ACW	
177	27/05/2012	GM-WR	F	ACW - AN19 baitstation	Chased by GM-WY. Ate & cached
178	01/06/2012	GM-WR	F	AN19ext.	Tapped. She appeared after 10 min., took 4 worms + cached.
179	09/06/2012	GM-WR	F		
180	17/06/2012	GM-WR	F	ACW - AN19 baitstation	no sign
181	22/06/2012	GM-WR	F	AN19ext.	She took 3 worms + cached.
182	24/06/2012	GM-WR	F	ACW track between 1,000 yr old kauri & leaning rata tree	Ate & cached. Showing lots of alarm white feathers. Chased M-YY
183	04/07/2012	GM-WR	F	entry upper ACW right, Before	Took worms + cached.
184	19/07/2012	GM-WR	F	AN19ext.	She took 1 worm + cached. Male GM-WY was nearby.
185	22/07/2012	GM-WR	F	AN19	Ate & cached. Lots of alarm feathers displayed. Seems more hesitant towards people now – has she had a fright?
186	26/07/2012	GM-WR	F	AN19ext. end	She took worms + cached. She raised her feathers also white spot. Male GM-WY was nearby and chased her.
187	26/07/2012	GM-WR	F	Entry upper ACW, spray bottles	She sat on a sign.
188	29/07/2012	GM-WR	F	Totara sign (lower ACW)	Ate + cached.
189	02/08/2012	GM-WR	F	Entry upper ACW, spray bottles	She ate a lot of insects + invertebrates. Looks like colour band G stuck.
190	07/08/2012	GM-WR	F	AN19S/1 (former AN19ext./1)	Male GM-WY took worms in flight and made feeding noises with a few worms. But female GM-WR was not interested. She took worms. A little

	Date of Sighting	Bands	Sex	Location	Description
					bit chasing. She took twice some nest materials but lost it immediately. Whole time both were there. GM-WR looked plumper. G band stuck.
191	10/08/2012	GM-WR	F	AN19S/1 (former AN19ext./1)	Male GM-WY always wanted to mate female GM-WR and chased her a little. Managed to feed one worm to her. She was not busy. G band not stuck, was above metal band. But now G band by male GM-WY stuck.
192	11/08/2012	GM-WR	F	ACW track, near upper entrance between 1,000 kauri tree & leaning rata tree	Ate & cached
193	12/08/2012	GM-WR	F	ACW old bent over rata tree	GM-WR did a bit of chasing. Male GM-WY wasn't feeding her but could be close.
194	14/08/2012	GM-WR	F	entry upper ACW right, Before	The first time this season male GM-WY fed female GM-WR. She is building a nest. G bands not stuck.
195	18/08/2012	GM-WR	F	upper entrance ACW track, , near 1st nest site	Fed by GM-WY. Chased GM-WY when near nest site.
196	26/08/2012	GM-WR	F	upper entrance ACW track, nest site	Ate & cached
197	02/09/2012	GM-WR	F	upper entrance ACW track, nest	Fed by GM-WY
198	09/09/2012	GM-WR	F	ACW upper entrance, Nest at	Incubating. Fed by GM-WY
199	18/09/2012	GM-WR	F	AN19S/1 baitstation	Took 2 worms back to nest. Ate 2 worms, then took 2 worms back to nest
200	19/09/2012	GM-WR	F	AN19 ext. nest side + also seen at lower ACW.	Feeding chick(s).
201	23/09/2012	GM-WR	F	upper entrance ACW, Nest site near	Begged worms off GM-WY then took them to nest
202	29/09/2012	GM-WR	F	upper entrance ACW, At nest near	Fed chicks
203	07/10/2012	GM-WR	F	ACW upper entrance, Gully behind 1,000 kauri at	Fed unbanded fledgling
204	20/10/2012	GM-WR	F	upper entrance ACW(near AN19S), 10W of 1,000 yr old kauri tree at	Ate & cached. Very relaxed
205	04/11/2012	GM-WR	F	ACW track near leaning rata tree (just after 1,000 yr old kauri)	Fed by GM-WY. Ate a couple of worms then cached the rest before returning to nest. Incubating
206	10/11/2012	GM-WR	F	ACW upper entrance nest	Ate & cached, incubating
207	10/11/2012	GM-WR	F	AN18S baitline,	Fed by GM-WY. Went back to nest.

	Date of Sighting	Bands	Sex	Location	Description
				15m west of baitstation 3, at top of bank	
208	18/11/2012	GM-WR	F	AN19S/3 nest	Took worms to nest. Fed chicks & cached
209	24/11/2012	GM-WR	F	ACW upper entrance nest area	Fed chicks, chased GM-WY
210	02/12/2012	GM-WR	F	ACW near AN18S, west side of spring	Ate & cached. No sign of fledgling
211	16/12/2012	GM-WR	F	ACW upper entrance nest	incubating
212	23/12/2012	GM-WR	F	ACW AN19S nest site	Ate & cached
213	23/12/2012	GM-WR	F	ACW upper entrance nest	Fed by GM-WY, also chased GM-WY
214	31/12/2012	GM-WR	F	ACW upper entrance	Fed chicks. Chased GM-WY
215	06/01/2013	GM-WR	F	ACW Upper entrance nest	Fed chicks
216	13/01/2013	GM-WR	F	ACW upper entrance	Chased GM-WY. Took worms in easterly direction
217	13/01/2013	GM-WR	F	ACW upper entrance	Took worms to fledgling. Also to tree covered in kie kie - 2nd fledgling?
218	20/01/2013	GM-WR	F	ACW upper entrance, 30m E side	Fed 2 fledglings, sheltering from the rain
219	17/02/2013	GM-WR	F	ACW Upper entrance	Heard me making noise
220	17/02/2013	GM-WR	F	ACW Upper entrance, west side near 1,000 Kauri	Fed fledgling BM-WR. In moult - only 2 tail feathers
221	10/04/2012	GM-WY	M	AN19ext. stream side	I heard a male proudly calling.
222	17/04/2012	GM-WY	M	upper entry ACW right, before	Proudly calling. Took 3 worms + cached. He chased a banded robin (GM-WR?).
223	20/04/2012	GM-WY	M	AN19ext.	
224	20/04/2012	GM-WY	M	lower ACW over swingbridge before wooden balustrade	Got 1 worm.
225	24/04/2012	GM-WY	M	ACW spray bottles	
226	28/04/2012	GM-WY	M	ACW lower track near totara plaque & by Kauri tree in middle of track just after the Upper Kauri track turnoff.	Fed & cached. Chased once by GM-WR. GM-WR stole from his cache, so started to display some aggressive behaviour - wings outstretched
227	02/05/2012	GM-WY	M	Before entry upper ACW right	Was calling nearby. I tapped and he came, chased GM-WR. Took 3 worms + cached.
228	16/05/2012	GM-WY	M	Before entry upper ACW right	
229	17/05/2012	GM-WY	M	Before entry upper ACW right + T 17 + Falls Rd.	No sign
230	27/05/2012	GM-WY	M	ACW - AN19 baitstation	Chased GM-WR. Ate & cached

	Date of Sighting	Bands	Sex	Location	Description
231	27/05/2012	GM-WY	M	ACW track, near totara plaque & kauri in middle of track	Ate 2 worms & cached
232	01/06/2012	GM-WY	M	AN19ext	No sign
233	17/06/2012	GM-WY	M	AN19	Ate & cached
234	22/06/2012	GM-WY	M	Before entry upper ACW right	He took 3 worms + cached.
235	24/06/2012	GM-WY	M	AN19	Ate & cached. Peeped a lot.
236	04/07/2012	GM-WY	M	Before entry upper ACW right	Took worms + cached.
237	19/07/2012	GM-WY	M	Before entry upper ACW right	He took 1 worm + cached. Female GM-WR was nearby.
238	26/07/2012	GM-WY	M	AN19ext. end	He took worms + cached. Female GM-WR raised her feathers also white spot. He was nearby and chased her.
239	29/07/2012	GM-WY	M	Totara sign (lower ACW)	no sign
240	02/08/2012	GM-WY	M	AN19ext. end	no sign
241	07/08/2012	GM-WY	M	AN19S/1 (former AN19ext./1)	Male GM-WY took worms in flight and made feeding noises with a few worms. But female GM-WR was not interested. She took worms. A little bit chasing. She took twice some nest materials but lost it immediately. Whole time both were there. GM-WR looked plumper. G band stuck.
242	10/08/2012	GM-WY	M	ACW track, near upper entrance between 1,000 kauri tree & leaning rata tree	Ate & cached
243	10/08/2012	GM-WY	M	AN19S/1 (former AN19ext./1)	Male GM-WY always wanted to mate female GM-WR and chased her a little. Managed to feed one worm to her. She was not busy. G band not stuck, was above metal band. But now G band by male GM-WY stuck.
244	12/08/2012	GM-WY	M	ACW old bent over rata tree	GM-WR did a bit of chasing. Male GM-WY wasn't feeding her but could be close.
245	14/08/2012	GM-WY	M	Before entry upper ACW right	The first time this season male GM-WY fed female GM-WR. She is building a nest. G bands not stuck.
246	18/08/2012	GM-WY	M	ACW track, upper entrance, near 1st nest site	Fed GM-WR. Chased by GM-WR. Cheeped a lot
247	26/08/2012	GM-WY	M	Between aviary & ACW upper entrance	Ate & cached
248	02/09/2012	GM-WY	M	ACW track, upper entrance nest	Fed GM-WR
249	07/09/2012	GM-WY	M	near the top entrance ACW	singing his heart out, taking away mealworms.
250	09/09/2012	GM-WY	M	Nest near ACW Upper entrance	Fed GM-WR

	Date of Sighting	Bands	Sex	Location	Description
251	18/09/2012	GM-WY	M	AN18S/1 (was AN18/2) baitstation	Took 2 worms in direction of nest site
252	23/09/2012	GM-WY	M	Nest near ACW upper entrance	Took worms to nest
253	07/10/2012	GM-WY	M	Gully behind 1,000 kauri at ACW upper entrance	Fed unbanded fledgling. Bit of competition for worms with GM-WR
254	04/11/2012	GM-WY	M	ACW track near leaning rata tree (just after 1,000 yr old kauri)	Fed GM-WR
255	04/11/2012	GM-WY	M	Nest stoat trap near AN18S/2 baitstation	Came to greet us but was immediately aggressively chased away by OG-RM
256	10/11/2012	GM-WY	M	AN18S baitline, 15m west of baitstation 3, at top of bank	Fed GM-WR
257	24/11/2012	GM-WY	M	ACW upper entrance nest site	Fed chicks, chased by GM-WR
258	24/11/2012	GM-WY	M	Between aviary hihi feeder entrance & AN18S baitline	Chased OG-RM
259	02/12/2012	GM-WY	M	Aviary hihi feeder entrance	Fed fledgling
260	09/12/2012	GM-WY	M	Aviary hihi feeder entrance	No sign of fledgling
261	16/12/2012	GM-WY	M	15m W of AN18S/2 baitstation	Gathered worms but did not give to anyone. Chased by banded bird - too quick to pick colours, possibly fledgling
262	23/12/2012	GM-WY	M	ACW AN19S nest site	Ate & cached
263	23/12/2012	GM-WY	M	ACW upper entrance	Fed GM-WR. Chased by GM-WR
264	31/12/2012	GM-WY	M	ACW upper entrance	Chased by GM-WR. Light chittering. Fed chicks
265	06/01/2013	GM-WY	M	ACW upper entrance nest	Fed chicks
266	13/01/2013	GM-WY	M	ACW upper entrance nest	Chased by GM-WR. Took worms in easterly direction. Spent a lot of time on ground. Fledglings newly hatched, possibly fledgling hidden away
267	20/01/2013	GM-WY	M	ACW upper entrance/AN19S baitstation	Took worms in W direction
268	17/02/2013	GM-WY	M	ACW Upper entrance, near rimu tree at edge of clearing	Very quiet. Ate & cached. In moult - 1 tail feather
269	03/03/2013	GM-WY	M	ACW upper entrance, behind 1,000 kauri	Turned up while searching for female GM-WR
270	03/03/2013	GM-WY	M	Entrance to ACW upper entrance	Tail feathers half grown. Not fussed with worms.
271	28/04/2013	GM-WY	M	R8	Seen
272	26/04/2013	Lg/M---	M	R1/7-R2/7,	At the Cascade steps after 15 min.

	Date of Sighting	Bands	Sex	Location	Description
				Cascade Tk. between, named Casdace Steps	we saw male robin Lg/M-Lg. He lost his band Lg on the right side so his combination is only on the left leg Lg/M--- from now on.
273	01/05/2013	Lg/M---	M	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	We also saw that he lost his right band, we have been going to see him at least twice a week. Once he had another robin in his territory, it also took worms from us. It was I think MG/YO.
274	16/05/2012	Lg/M-Lg	M	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	Banded
275	29/05/2012	Lg/M-Lg	M	R1/R2	GM-G
276	08/06/2012	Lg/M-Lg	U	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	maybe GM-BO 8M) or GM-GY (not in banding list)
277	12/06/2012	Lg/M-Lg	M	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	Together with GM---
278	15/06/2012	Lg/M-Lg	M	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	Together with GM---
279	04/09/2012	Lg/M-Lg	M	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	He takes worms away by the beak full singing beautifully, must be to a female surely?
280	06/09/2012	Lg/M-Lg	M	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	He takes worms away by the beak full singing beautifully, must be to a female surely?
281	07/09/2012	Lg/M-Lg	M	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	He takes worms away by the beak full singing beautifully, must be to a female surely?
282	19/09/2012	Lg/M-Lg	M	R1/7-R2/7, Near, Cascade Tk. between, named Casdace Steps.	Fed female MB-YO but not near nest.
283	04/10/2012	Lg/M-Lg	M	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	Male came alone and industriously ferried heaps of worms off -- hopefully to feed her!
284	12/10/2012	Lg/M-Lg	M	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	Male only came quickly to our tapping – took heaps of worms back towards the nest direction.
285	20/10/2012	Lg/M-Lg	M	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	We think the chicks must have fledged! Both adult robins came very quickly to our taps (even after a week's absence by us) and took heaps of worms but downhill and to the right of the steps, completely the opposite direction to the nest. They did not go far, however we

	Date of Sighting	Bands	Sex	Location	Description
					could not see the chicks. But we both felt they had them reasonably close, no more than 10 meters away.
286	09/03/2013	Lg/M-Lg	M	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	Took worms.
287	26/04/2013	Lg/M-Lg	M	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	He lost his band Lg on the right side So his combination is Lg/M--- from now on.
288	05/04/2012	MB-YG	F	R6	very friendly
289	06/04/2012	MB-YG	F	R6/15	
290	19/06/2012	MB-YO	F	C1/9, around, Hihi Knoll	no sign, 12pm
291	13/09/2012	MB-YO	F	R1/8	Origin: M?-YO
292	19/09/2012	MB-YO	F	R1/8 + near Cascade steps	Nest near bait station. Incubating. Fed by male Lg/M-Lg.
293	05/10/2012	MB-YO	F	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	Only the female came, took her about 15 minutes before she came. She came at least 5 times for worms, but only took 2 at a time & left quickly each time. Comment from Heidrun: Suppose female is feeding chicks!
294	20/10/2012	MB-YO	F	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	We think the chicks must have fledged! Both adult robins came very quickly to our taps (even after a week's absence by us) and took heaps of worms but downhill and to the right of the steps, completely the opposite direction to the nest. They did not go far, however we could not see the chicks. But we both felt they had them reasonably close, no more than 10 meters away.
295	01/05/2013	MB-YO	F	R1/10	We had a friendly robin visiting and observing us, in fact two, while we were at station 10. One was banded - M/YO, pretty sure it's the same one we usually see in the vicinity.
296	01/05/2013	MB-YO	F	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	We also saw that he lost his right band, we have been going to see him at least twice a week. Once he had another robin in his territory, it also took worms from us. It was I think MG/YO.
297	08/06/2012	MB-YY	F	ACW	
298	11/04/2013	MG-YW?	M	W20/8, near: in gully where Rosella track crosses stream before W20	Banded. Seen in gully where Rosella track crosses stream before W20 ?? bands (Maurice)
299	11/04/2013	MG-YW?	U	W21/7	"robin ?-YW @#7 Seen MG-YW twice here in the past 3 years
300	24/03/2013	MO-YY	M	R13-14 #9 (R13-14), Rat Monitoring	"at 1340 hrs. This station is on a very steep section that drops down

	Date of Sighting	Bands	Sex	Location	Description
				Station M	to a creek, with a lot of supplejack. The band on the right leg looked yellow. (It looks like a single band) I have attached a photographs of the bird- photos MJP_6671 & MJP_6674"
301	08/04/2012	MO-YB	M	AN17/ACW after platform	He was calling. Too many people (Easter Sun.) around so he disappeared before he got worms.
302	10/04/2012	MO-YB	M	AN17/2	Proudly calling the hole time. Took 3 worms + cached. Morepork AN 17/3-4.
303	20/04/2012	MO-YB	M	Shortcut AN 19 ext. + line AN 18ext.	Took 2 worms + cached. Searching for the unbanded. He appeared
304	24/04/2012	MO-YB	M	AN17/ACW before platform, Hihi feeder 4	Proudly calling. Took worms + cached. Followed me till AN 17.
305	28/04/2012	MO-YB	M	New ACW track near AN16 baitline	Ate & cached
306	02/05/2012	MO-YB	M	AN17/ACW before platform, Hihi feeder 4	Proudly calling. Took 3 worms + cached. Sometimes some notes not a perfect sound.
307	16/05/2012	MO-YB	M	ACW Hihi feeder 4	
308	17/05/2012	MO-YB	M	ACW after Hihi feeder 4, shortcut	A male was calling the hole time. I tapped + he appeared, took 5 worms + cached. Couln't see his perch but nice sound there.
309	27/05/2012	MO-YB	M	ACW track - Hihi Feeder 4	2 neighbouring robins present (GM-BO & BM-BY). Chased GM-BO. Ate worms & cached
310	01/06/2012	MO-YB	M	AN 16	A male was calling the hole time. He took 4 worms + cached.
311	08/06/2012	MO-YB	M	ACW	
312	17/06/2012	MO-YB	M	New ACW track/AN16 intersection	Ate & cached. Calling.
313	22/06/2012	MO-YB	M	AN 16	No sign
314	24/06/2012	MO-YB	M	New ACW track/AN16 intersection	Not calling. Tapped, then he appeared. Ate & cached
315	04/07/2012	MO-YB	M	AN16	Calling, not so proud as before. Took 3 worms + cached. Sometimes some notes not a perfect sound.
316	19/07/2012	MO-YB	M	AN 16	I tapped. A short time later with a small call male MO-YB arrived + took 3 worms before he found a big rain worm.
317	26/07/2012	MO-YB	M	Before AN 16	Male MO-YB was calling, took 3 worms + cached.
318	02/08/2012	MO-YB	M	ACW before AN 16	AN 16 no sign with tapping. Male MO-YB was at ACW, took 5 worms + cached. He was very calm + not calling.
319	07/08/2012	MO-YB	M	ACW before platform	He came as I was talking with a man. He was relaxed. No calling. Mike passed us too.
320	10/08/2012	MO-YB	M	ACW after AN17	Passed this point but heard a robin, went back and male MO-YB was

	Date of Sighting	Bands	Sex	Location	Description
					there. After a while I heard a second robin. Female OG-RM appeared. She came in a distance from 8 m close to him. He saw her but was not interested. He made no noise. She started with alarm calls but he was not interested. She flew away and he stayed.
321	14/08/2012	MO-YB	M	AN16	Male MO-YB was there and a little bit later a very shy unbanded female. Followed her (AN16S/8) to former ACW. She was interested in nest material but I didn't see anything in her bill. Both were mostly together but no feeding. He flied very imposing around her + wanted to mate but she not. He was not chasing her as he did with his two females before when you tried to feed them meal worms. I came not close enough to interest her in worms.
322	18/08/2012	MO-YB	M	ACW track, AN16S baitline	Ate & cached. Chased unbanded robin
323	26/08/2012	MO-YB	M	ACW track, AN16S baitline	Ate & cached. Not feeding unbanded female yet. Chased female a couple of times
324	29/08/2012	MO-YB	M	ACW Boardwalk	Both ate lots of mealworms.
325	07/09/2012	MO-YB	M	ACW at the boardwalk	-
326	09/09/2012	MO-YB	M	ACW track, west of bridge near AN16S baitline	Ate & cached. Did not feed female
327	18/09/2012	MO-YB	M	ACW/AN16 baitline	Called with worms. Went up to BM-OW but she is so timid, flies away from him
328	19/09/2012	MO-YB	M	AN16S, former ACW	He ate a lots of worms but also fed sometimes female BM-OW. She was doing nothing special.
329	23/09/2012	MO-YB	M	ACW/AN16S baitline	Fed BM-OW
330	07/10/2012	MO-YB	M	new ACW track near AN16S baitline	Fed female BM-OW
331	20/10/2012	MO-YB	M	New ACW track @ new bridge near AN16S baitline	Called for female. No sign of BM-OW, so ate worms. BM-BY turned up. Fed her 1 worm, then chased her.
332	27/10/2012	MO-YB	M	ACW track/AN16S baitline near bridge/boardwalk	Ate 5 worms then cached
333	04/11/2012	MO-YB	M	ACW track, NE side of main boardwalk	Called for female. No sign so cached before returning to call from tall tree
334	10/11/2012	MO-YB	M	AN17S baitline, 10m south of baitstation 4	Chased BM-BY. Lots of flashing white feathers. Called for female but didn't appear to recognise BM-BY as a mate
335	10/11/2012	MO-YB	M	former ACW track,	Called for female - no sign. Took

	Date of Sighting	Bands	Sex	Location	Description
				horseshoe bend between AN18S & AN17S	worms back towards his territory near Hihi feeder 4
336	24/11/2012	MO-YB	M	ACW track/AN16S nest area	Fed BM-BY
337	09/12/2012	MO-YB	M	ACW AN16S nest	Fed BM-BY
338	16/12/2012	Mo-YB	M	ACW AN16S nest	Fed chicks, soft peeps to BM-BY
339	23/12/2012	MO-YB	M	ACW AN16S nest site	Chicks fledged. Took worms in S direction. Too much supplejack to follow
340	31/12/2012	MO-YB	M	ACW boardwalk, 10m NW (290deg) - inside boardwalk loop, Southern end of new	Fed fledglings
341	27/01/2013	MO-YB	M	ACW/AN17S baitline, near stoat/Timms traps	Fed fledglings WG-BM
342	23/02/2013	MO-YB	M	New ACW track, north side of end of boardwalk	Ate & cached. New tail feathers
343	03/03/2013	MO-YB	M	new ACW boardwalk, near horseshoe bend; 50m east of	Ate & cached
344	02/05/2013	MO-YB	M	ACW, 300m in from the northern entrance.	I heard it before I saw it (loud call). It was very inquisitive. Soft warbling call when I was near it. I got some photos: <a href="http://www.flickr.com/photos/studio-pajaro/8701265054/in/photostream/">http://www.flickr.com/photos/studio-pajaro/8701265054/in/photostream/</a>
345	30/04/2012	MO-YY	M	R9/12-13	Very robust/healthy looking male - a prime peciman. Came reasonably close.
346	25/04/2013	MO-YY M?B-YY?	M	R13-14/8	Female? -B-Y- pic looks like MB-YY? This would seem to be the same bird that I reported seeing on the 24/3/12. This time the flash clearly highlighted the colours of the bands.
347	25/04/2013	MO-YY (-- WW or YY)	M	R13-14 #9 (R13-14), Rat Monitoring Station M	A male robin (it looked like it had two white or yellow bands on right leg) came up the valley from the east as I was leaving This would seem to be the same bird that I reported seeing on the 24/3/12. This time the flash clearly highlighted the colours of the bands.
348	14/05/2013	MO-YY (Banded)	M	R13-14/9 rat monitoring line	Sighted at Tunnel #9 (photographed)- this bird likes to eat peanut butter!
349	24/03/2013	MO-YY (MO-Y or M?B- YY?)	M or F	R13-14/9 (R13-14), Rat Monitoring Station M	at 1340 hrs. This station is on a very steep section that drops down to a creek, with a lot of supplejack. See 25/04/13: M?B-YY? The band on the right leg looked yellow. (It looks like a single band) I have

	Date of Sighting	Bands	Sex	Location	Description
					attached a photographs of the bird-photos MJP_6671 & MJP_6674
350	02/04/2012	MW-YO	M	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	He is very wary, but does take worms.
351	09/04/2012	MW-YO	M	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	He is very wary, but does take worms.
352	13/04/2012	MW-YO	M	AN 19 ext., Shortcut	Ate + cached worms.
353	16/04/2012	MW-YO	M	R1/7-R2/7, Cascade Tk. between, named Casdace Steps	He is very wary, but does take worms.
354	19/06/2012	MW-YO	M	C1/9, around, Hihi Knoll	no sign, 12pm
355	23/09/2012	MW-YW	M	R7/16 - 17	Origin: WR-OY, black grey together with male MW-YW (origin: YW-grey or silver W)
356	13/04/2013	MW-YW	M	R7	robins: ? BM-YW or M-YW (female). Heidrun comments: territories of male MW-YW with 2 females WR-OM + MB-YG
357	15/05/2013	MW-YW	M	R6/16	robin see pic I think it was the male from R7.
358	07/04/2012	M-YY	M	AN18/ACW track	Ate 5 worms & cached
359	10/04/2012	M-YY	M	AN18/former ACW	Proudly calling. Took 4 worms + cached.
360	17/04/2012	M-YY	M	AN18/former ACW	Proudly calling. Took 5 worms + cached.
361	18/04/2012	M-YY	M	C2-13 (close to UK) at the new fallen tree	He took worms.
362	20/04/2012	M-YY	M	Aviary	
363	24/04/2012	M-YY	M	AN 19 ext., Shortcut + line AN 18ext.	6. diffrent robin at this place! Nice company from him till AN18ext./3
364	24/04/2012	M-YY	M	Aviary	
365	28/04/2012	M-YY	M	former ACW track, 50m SW of AN18 baitline	Ate & cached.
366	02/05/2012	M-YY	M	AN 18 golf course side + former ACW	Took 3 worms + cached. A little bit later a male called AN 18 ext. He appeared.
367	17/05/2012	M-YY	M	Aviary	Tapped, he arrived, was nervous + was heavily chased a while by OG-RM. Very fast flight.
368	17/05/2012	M-YY	M	Aviary	One robin made alarm calls. Male M-YY appeared + a short time later female OG-RM, took 2 worms + cached. She chased him a little and he left with small alarm calls.
369	17/05/2012	M-YY	M	Aviary, stoat trap	First time: Tapped. He appeared, took 2 worms + cached. A male called (MO-YB?). Stayed not with me.

	Date of Sighting	Bands	Sex	Location	Description
370	18/05/2012	M-YY	M	ACW	
371	27/05/2012	M-YY	M	ACW track, 10m E of former track intersection near fallen rimu tree	Ate 2 worms & cached
372	01/06/2012	M-YY	M	Aviary	First time: Tapped. He appeared, took 4 worms + cached. Very shy + nervous in females territory but also he was relaxed, not missing his female.
373	17/06/2012	M-YY	M	ACW track/AN18 baitline near fallen rimu tree	Ate 1 worm & cached
374	22/06/2012	M-YY	M	AN 18	No sign
375	22/06/2012	M-YY	M	AN 18	No sign
376	22/06/2012	M-YY	M	Aviary	No sign
377	24/06/2012	M-YY	M	ACW track between 1,000 yr old kauri & leaning rata tree	Ate & cached. Hung back a bit (not his territory). Chased by GM-WR but appeared unconcerned (no alarm feathers or dominance displays).
378	04/07/2012	M-YY	M	AN 18 golf course side + former ACW	no sign
379	19/07/2012	M-YY	M	AN 18	No sign
380	19/07/2012	M-YY	M	AN 18/former ACW	No sign
381	19/07/2012	M-YY	M	Aviary	No sign
382	26/07/2012	M-YY	M	AN18	No sign
383	29/07/2012	M-YY	M	former ACW, removed footbridge	no sign
384	02/08/2012	M-YY	M	AN18	no sign
385	07/08/2012	M-YY	M	AN18	No sign
386	10/08/2012	M-YY	M	AN18	No sign
387	14/08/2012	M-YY	M	Aviary	No sign
388	05/04/2012	OG-RM	F	Aviary	Took 2 worms + cached.
389	07/04/2012	OG-RM	F	Entrance to Aviary	Ate 2 worms & cached
390	08/04/2012	OG-RM	F	Aviary	Took 5 worms + cached.
391	10/04/2012	OG-RM	F	Aviary	Took 3 worms + cached.
392	13/04/2012	OG-RM	F	Entrance to Hihi Aviary	Ate 2 worm & cached. Well fed. Not hungry
393	13/04/2012	OG-RM	F	Entrance to Hihi Aviary	Ate 2 worm & cached. Well fed. Not hungry
394	17/04/2012	OG-RM	F	Aviary	Took one worm + cached.
395	20/04/2012	OG-RM	F	Aviary	
396	24/04/2012	OG-RM	F	Aviary	
397	24/04/2012	OG-RM	F	Aviary	Took 4 worms + cached.
398	28/04/2012	OG-RM	F	Between ACW upper entrance & entrance to aviary clearing.	Ate 1 worm, cached rest. Lots of flashing of alarm feathers but could see no other birds around for cause
399	02/05/2012	OG-RM	F	Aviary	After a while she came + cached worm. She tried to catch a huge spider but decided to chase an other bird (M-YY?).
400	16/05/2012	OG-RM	F	Aviary	
401	17/05/2012	OG-RM	F	Aviary	Tapped, M-YY arrived + was heavily chased a while by her. Very fast flight.
402	17/05/2012	OG-RM	F	Aviary	First time: No sign.

	Date of Sighting	Bands	Sex	Location	Description
403	01/06/2012	OG-RM	F	Aviary	First time: No sign.
404	01/06/2012	OG-RM	F	Aviary	One robin made alarm calls. Male M-YY appeared + a short time later female OG-RM, took 2 worms + cached. She chased him a little and he left with small alarm calls.
405	17/06/2012	OG-RM	F	Between ACW Upper Entrance & entrance to Aviary clearing	Ate & cached
406	22/06/2012	OG-RM	F	Aviary	Tapped once and immediately female OG-RM came, took 1 worm + cached.
407	24/06/2012	OG-RM	F	Between ACW Upper Entrance & entrance to Aviary clearing	Cached only.
408	04/07/2012	OG-RM	F	Aviary	no sign
409	19/07/2012	OG-RM	F	Aviary	Tapped once and immediately female OG-RM came, took 1 worm + cached.
410	26/07/2012	OG-RM	F	AN18	She made some very small cheeps but I saw no other robin around.
411	26/07/2012	OG-RM	F	AN18/1	Heard robin calls. Found only female OG-RM. No further calls as I was there.
412	26/07/2012	OG-RM	F	Aviary	Tapped once and immediately female OG-RM came, took 1 worm + cached. She found a lots of invertebrates/insects on the ground.
413	29/07/2012	OG-RM	F	former ACW, removed footbridge	Ate + cached.
414	02/08/2012	OG-RM	F	Aviary	no sign
415	07/08/2012	OG-RM	F	AN18	I wrote my notes + she was there. Female OG-RM was chased by a robin. Very fast chase so not seen if bands or not.
416	10/08/2012	OG-RM	F	ACW after AN17	Passed this point but heard a robin, went back and male MO-YB was there. After a while I heard a second robin. Female OG-RM appeared. She came in a distance from 8 m close to him. He saw her but was not interested. He made no noise. She started with alarm calls but he was not interested. She flew away and he stayed.
417	10/08/2012	OG-RM	F	AN18/1	Heard a robin calling and went in the line. She appeared. Calls could be MO-YB or GM-WY? Took worms + cached.
418	14/08/2012	OG-RM	F	AN18	Ate invertebrates. Went on ACW , sprinted back because heard calls again, only to find her alone. She was not calling as I was with her. But I am pretty sure she made the robin calls before.
419	23/09/2012	OG-RM	F	Aviary near stoat trap/hihi feeder	Ate 2 worms then cached

	Date of Sighting	Bands	Sex	Location	Description
420	29/09/2012	OG-RM	F	At the aviary near H3 stoat trap	Ate & cached
421	07/10/2012	OG-RM	F	Aviary area in bush area	Ate & cached
422	20/10/2012	OG-RM	F	Near hihi trap 3/aviary	Ate & cached. Lots of vocalisation initially
423	27/10/2012	OG-RM	F	Nest site near AN18S/2 baitstation	Ate & cached before returning to nest. Incubating
424	04/11/2012	OG-RM	F	Nest near AN18S/2 baitstation	Fed 1 chick & cached. Newly hatched, chick very quiet. Male GM-WY turned up. OG-RM raced off nest and aggressively chased him away
425	10/11/2012	OG-RM	F	AN18S/2 nest	Fed chicks, then ate & cached
426	18/11/2012	OG-RM	F	ACW track at AN18S intersection	Took worms in direction of nest
427	24/11/2012	OG-RM	F	Aviary hihi feeder	Ate worms & cached. No sign of fledglings. Chased by GM-WY
428	23/12/2012	OG-RM	F	Aviary, near hihi feeder 3 stoat trap	Ate & cached
429	23/12/2012	OG-RM	F	New ACW track, 10m S of new/former track intersection	Ate & took worms in E (120deg) direction
430	06/01/2013	OG-RM	F	ACW AN18S nest	Fed chicks - newly hatched
431	13/01/2013	OG-RM	F	ACW AN18S nest	Fed chicks
432	17/02/2013	OG-RM	F	Behind Aviary, near ACW upper entrance	Ate & cached. Fed fledgling BM-YB
433	23/02/2013	OG-RM	F	Entrance to aviary area, near ACW upper entrance	Cached. Fed BM-YB. 3-4 tail feathers
434	03/03/2013	OG-RM	F	Aviary, near ACW upper entrance	No tail feathers. Fussy with worms. Cached. Squawked at & chased fledgling BM-YB a little, otherwise ignored it
435	27/04/2013	OG-RM	F	Aviary entrance not far from the wooden benchseat	Seen
436	06/04/2012	Unbanded	U	F5/1, Robinson Ridge Tk., about 20 m before stream crossing	
437	06/04/2012	Unbanded	U	R1/7-R2/7, Cascade Tk. between, named Casdace Steps, Cascade around 1. orange tape, before steep step	
438	06/04/2012	Unbanded	U	R1/7-R2/7, Cascade Tk. between, named Casdace Steps, Cascade around 1. orange tape, before steep step	stayed in bushes, so not sure if unbanded
439	07/04/2012	Unbanded	U	AN18/2, turn off at blue tag; 10m SW	Chased GM-WR. Very tame. Responds to tapping & came very

	Date of Sighting	Bands	Sex	Location	Description
				(235deg) of	close - male? Ate & cached
440	11/04/2012	Unbanded	U	R1/7-R2/7, Cascade Tk. between, named Casdace Steps; Cascade Tk towards stream R1 + R2	
441	13/04/2012	Unbanded	M ?	Shortcut AN 19 ext.	Ate + cached worms.
442	17/04/2012	Unbanded	M ?	Shortcut AN 19 ext. + line AN 18ext.	no sign.
443	20/04/2012	Unbanded	M ?	T 19 (opposite Shortcut AN 19 ext. + line AN 18ext. and later there)	no sign
444	21/04/2012	Unbanded	U	AN18ext. blue shorcut line	no sign
445	24/04/2012	Unbanded	M?	Shortcut AN 19 ext. + line AN 18ext. + till orange line	no sign.
446	30/04/2012	Unbanded	F	R9/6	Quite shy. 3 times seen robin in Kawaka grove.
447	02/05/2012	unbanded	M?	T19	no sign.
448	05/05/2012	Unbanded	F?	F8/2; a little bit after	
449	17/05/2012	unbanded	M?	T19	no sign.
450	22/05/2012	Unbanded	M	F10 stream crossing	
451	22/05/2012	Unbanded	F	F10 stream crossing	
452	26/05/2012	unbanded	M	AWN4#4-5 at stream banks	Taking worms, caching; well used to humans; following me on the track
453	26/05/2012	unbanded	F	AWN4#4-5 on stream bank	More shy; keeping higher up in trees; got two worms; male chasing her
454	26/05/2012	Unbanded	M	AWN5/7-5/6, mdiagonal access line rat monitor tunnel mAWdiagM27	Took worms together with unbanded female.
455	26/05/2012	Unbanded	F	AWN5/7-5/6, mdiagonal access line rat monitor tunnel mAWdiagM28	Took worms together with unbanded male. She was very bold + followed for worms till AWN6 junction.
456	27/05/2012	Unbanded	M	rat mon station 6/3 around Lg and Lf	Singing very loud and clearly for about 10 minutes +
457	17/06/2012	Unbanded	F	AWS7/Access Tk, North end of	Extremely friendly, came within 30 cm. Stayed 20 min. Both followed to black tunnel at MAW65 to stream cossing with rope.
458	17/06/2012	Unbanded	M	AWS7/Access Tk, North end of	Extremely friendly, came within 30 cm. Stayed 20 min. Both followed to black tunnel at MAW65 to stream cossing with rope.
459	04/07/2012	unbanded	F ?	AN16	very hidden robin looked from high above in the trees

	Date of Sighting	Bands	Sex	Location	Description
460	19/07/2012	Unbanded	U (F?)	AN16	No sign.
461	26/07/2012	Unbanded	U (F?)	Before AN 16	No sign.
462	02/08/2012	Unbanded	U (F?)	Before AN 16	No sign. Heard a second robin. A few calls, more like a male direction AN16-AN15.
463	07/08/2012	Unbanded	U (F?)	ACW before platform	No sign
464	07/08/2012	unbanded	?	AWN18 at new log bridge	Came in to check us out at lunch
465	10/08/2012	Unbanded	U (F?)	ACW after AN17	No sign
466	14/08/2012	Unbanded	F	AN16	Male MO-YB was there and a little bit later a very shy unbanded female. Followed her (AN16S/8) to former ACW. She was interested in nest material but I didn't see anything in her bill. Both were mostly together but no feeding. He flied very imposing around her + wanted to mate but she not. He was not chasing her as he did with his two females before when you tried to feed them meal worms. I came not close enough to interest her in worms.
467	16/08/2012	unbanded	U	CGN8/CGS8 (exactly at monitoring tunnel 9), Along CG access line close to intersection with lines	Nice and curious bird came to us. We didn't have worms.
468	18/08/2012	unbanded	F	ACW track, AN16S baitline	Ate a couple of worms when male cached. Very shy. Chased by MO-YB. Cheeped a lot
469	18/08/2012	Unbanded	M	CGN13 with Cutty Grass Access Line, intersection of	seen
470	18/08/2012	Unbanded	U	CGN8/11	seen, could be same as CGN8/13?
471	18/08/2012	Unbanded	U	CGN8/13	seen
472	26/08/2012	unbanded	F	ACW track, AN16S baitline	Chased by MO-YB a couple of times. Cheeped a lot
473	29/08/2012	Unbanded	U	D6 and D5 bait, between the end of lines	It hung about for a minute or so before flying off.
474	30/08/2012	Unbanded	M	D6 and D5 bait, between the end of lines	It hung about for a minute or so before flying off
475	06/09/2012	Unbanded	F	AWN10; AW access line, 15 m before	Courting pair.
476	06/09/2012	unbanded	M	AWN10; AW access line, 15 m before	Courting pair.
477	29/09/2012	Unbanded	F	ACW Boardwalk	Both ate lots of mealworms.

	Date of Sighting	Bands	Sex	Location	Description
		d			
478	09/10/2012	Unbanded	M	F6/4	He took some worms and flew away west over the stream so there might be a nest.
479	20/10/2012	unbanded	M	AWN5/3-4	Shy at first; carrying worms into bush; singing, possibly calling female of nest; at end coming as close as arm's length
480	20/10/2012	unbanded	F	AWN5/3-4	Female appeared after calling by male; did not come close
481	26/10/2012	unbanded	M	AWN5/3-4	Male was calling up the hill while female was getting worms; finally came to get some worms as well; carried worms into bush
482	26/10/2012	unbanded	F	AWN5/3-4	Female appeared first and ate a lot of worms; less shy this time; after 15 mins she flew back to nest area (?)
483	06/11/2012	unbanded	F	AWN5/3-4	Female appeared and ate a lot of worms; male bird calling up the hill; at intervals of 15 to 20 mins female re-appeared
484	25/11/2012	unbanded	F	AWN5/3-4	Female appeared after 'calling'; ate worms and then carried worms into bush, same direction as before; she did not reappear within the next 30 minutes. Male not seen or heard.
485	01/12/2012	unbanded	M	AWN4/4	Met the male again at AWN4#4 and carried two lots of worms back into the valley towards AWN5
486	01/12/2012	unbanded	F	AWN5/3-4	Female appeared first ate some worms then carried two lots into the bush as before, i.e. towards AWN6
487	01/12/2012	unbanded	M	AWN5/3-4	When the male appeared he only carried worms, but in the direction of AWN4 deeper into the valley
488	11/01/2013	Unbanded	U	AWS11/9.	at approx. 1pm
489	11/01/2013	Unbanded	U	F4/3	-
490	01/02/2013	unbanded	U	Cutty Grass Access Line, rat monitoring tunnel mCG17	Saw an adult
491	02/02/2013	unbanded	U	AWN5/7-5/6, mdiagonal access line rat monitor tunnel mAWdiagM27	Fledgling: From its appearance that it was a fledgling from this year see pic. May have been the same robin from mAWdaig9?
492	02/02/2013	unbanded	U	AWN6/6-5/6, mdiagonal access line rat monitor tunnel mAWdiagM29	Fledgling: A robin fledgling arrived from its appearance. May have been the same robin from mAWdaig7?
493	02/02/2013	unbanded	U	AWN6/6-5/6, mdiagonal access line rat monitor tunnel mAWdiagM29	Adult: a robin fledgling arrived from its appearance followed a short time later by what I took to be one of the parent birds
494	02/02/2013	unbanded	U	CGS9, Cutty Grass	During rat monitoring a little

	Date of Sighting	Bands	Sex	Location	Description
				Access Line near	fledging popped about me. ca. 1 pm (Robin fledgling. I thought the little guy was going to jump right on me.)
495	02/02/2013	unbanded	U	Cutty Grass Access Line, rat monitoring tunnel mCG17	Saw an adult
496	14/02/2013	Unbanded	M	CGS12, Nth end of	We found an unbanded pair, very friendly and responsive, a couple of weeks back. They certainly appeared to be territorial.
497	14/02/2013	Unbanded	F	CGS12, Nth end of	We found an unbanded pair, very friendly and responsive, a couple of weeks back. They certainly appeared to be territorial.
498	23/02/2013	unbanded	U	R3/10?, Cascader Tk., the main Cascades River and about 20 minutes up the hill.	Seen unbanded robin twice in the last few weeks, probably a chick of our Cascades pair. It has come out to see us but too wary to accept mealworms.
499	01/03/2013	unbanded	U	KOK15/6	unbanded individual, extremely friendly, we could have fed it by hand.
500	02/03/2013	unbanded	U	R3/10?, Cascade Tk., cross the main Cascades River and about 20 minutes up the hill	Seen another unbanded robin twice in the last few weeks, probably a chick of our Cascades pair. It has come out to see us but too wary to accept mealworms.
501	09/03/2013	unbanded	U	R7/18-19	After playing player an unbanded robin appeared. Maybe female because it was not calling a lot.
502	10/03/2013	unbanded	F	Rosella Access Line	.
503	18/03/2013	unbanded	M	Huia Dam Rd., Valley	We blundered unexpectedly on to a male N I Robin at approx 2:30pm today. I heard him sing first, but didn't believe my ears until he came in to view. He stayed near us for about 15mins, being interested in ground I scratched up. He is not banded, has the darker slate plumage of a male and the brighter white band at the base of his beak and brighter chest.
504	20/03/2013	unbanded	F	U11 (about 30m prior to the end of)	were returning up Lower Kauri Track, towards Long Track when an unbanded female robin flew across the track.
505	21/03/2013	unbanded	M	CGM7 & CGM 8; Cutty Grass Access Line, between	at 11:57am at CGM7 and it flew west down the line. When I was nearing CGM8 another robin approached me, and I am assuming it is the same bird. It flew back towards CGM7. The first photograph, MJP6649, was taken at CGM7 & second at CGM8.
506	24/03/2013	unbanded	U	AWS12/9	while helping to clear bait line AWS 12

	Date of Sighting	Bands	Sex	Location	Description
					after station 9 two Robins put in an appearance both were unbanded see pic's. But I think that these pic's may be of the same robin.
507	24/03/2013	unbanded	M	R14/12	After completing all the monitoring stations I cut south back onto Baitline R14 and headed back up towards the Montana Heritage Trail. At 1430 hrs when I was climbing up the steep section from a creek towards Bait Station R14/12 I was joined by an unbanded male robin. The bird followed me along the baitline then flew back down towards the creek. Photos MJP_6684 & MJP_6685
508	24/03/2013	unbanded	U	R14/12	I think the robin rejoined me as I got close to Bait Station R14/12, although I'm not totally sure it is the same bird, again it was unbanded. I took further photographs so maybe you can decide if it is the same bird- photo MJP_6693. The bird flew back down toward the creek area.
509	24/03/2013	Unbanded	M?	R14/12, close	I think the robin rejoined me as I got close to Bait Station R14/12, although I'm not totally sure it is the same bird, again it was unbanded. I took further photographs so maybe you can decide if it is the same bird- photo MJP_6693.
510	24/03/2013	Unbanded	M	R14/12, near	After completing all the monitoring stations I cut south back onto Baitline R14 and headed back up towards the Montana Heritage Trail. At 1430 hrs when I was climbing up the steep section from a creek towards Bait Station R14/12 I was joined by an unbanded male robin.
511	05/04/2013	unbanded	U	F12/4	Scott saw
512	05/04/2013	unbanded	U	F12/4	seen
513	06/04/2013	unbanded	U	F12/2	Seen
514	08/04/2013	unbanded	U	R1314/8 & R1314/9 rat monitoring	Joined by another (same?) unbanded robin at both R1314/8 & R1314/9 These two stations are over a ridge so I am not sure if the robin would have followed me that far.
515	08/04/2013	unbanded	U	R1314/5	rat monitoring- swampy area at bottom of hill joined by an unbanded robin
516	08/04/2013	unbanded	F	R14/11	When I rejoined R14 and headed back towards Montana Heritage Track I was joined by an unbanded female at bait station R14/11. This bait station is directly above a gorge area, lots of supplejack and

	Date of Sighting	Bands	Sex	Location	Description
					very steep banks. The female did some excited chirps and flew a male that had arrived behind me, and they both flew off down the gorge.
517	08/04/2013	unbanded	F	R14/15	When I rejoined R14 and headed back towards Montana Heritage Track and continued an unbanded female robin.
518	13/04/2013	unbanded	U	R11/6	Seen
519	20/04/2013	unbanded	M	F3/2	seen, friendly, used to worms, escaped from trap
520	20/04/2013	unbanded	M	F5/1, Robinson Ridge Tk.	seen, pretty sure same bird as F5/2
521	20/04/2013	unbanded	M	F5/3	heard direction F6 SW
522	21/04/2013	unbanded	F	R9/19	Seen
523	23/04/2013	unbanded	F	R15/2-8	robins: #3, #4 (2 females). Robins followed from #2 to #8
524	23/04/2013	unbanded	F	R15/2-8	robins: #3, #4 (2 females). Robins followed from #2 to #8
525	25/04/2013	Unbanded	U	AWN16/7 - 8	Seen between 7 + 8
526	25/04/2013	Unbanded	U	AWN17/13	Seen
527	25/04/2013	unbanded	U	AWS8/6-7	young robin between #6-#7
528	25/04/2013	unbanded	M	R13-14/5 rat monitoring line	Seen
529	25/04/2013	unbanded	M	R14/15 and followed me most of the way uphill to R14/14	at R14/15 and followed me most of the way uphill to R14/14. It got within 40cm of me. (Photo 7656)
530	26/04/2013	Unbanded	M	F6/4	With player an unbanded male robin appeared at F6/4 and a second unidentified. The male robin was chasing the other bird so no luck with the trap. I'm pretty sure it is the same male as at F5/2.
531	27/04/2013	Unbanded	M	D4 & Rosella Track, junction	I saw him fly back down the D4 line towards D4/14.
532	27/04/2013	Unbanded	M	D5; Rosella to the stream below the entry to	I think this robin has been seen in this area before and I think it lives more to the north, like where the W20 baitline goes through. (was photographed)
533	28/04/2013	Unbanded	M	D4/12	Seen at 0904 am. This is the top of the ridge and he flew back towards D4/13, which is down towards creek. Possible this is the same bird that I saw at top of D4-Rosella Track yesterday
534	28/04/2013	Unbanded	F	D5 & Rosella Tk, junction	Seen at 1105am. Usually see a male around here. This is the area just above the stream on Rosella. Photographed it. Thus there may be a pair living in this area. Both moved north of the Rosella Track & I've heard song from this area before.
535	28/04/2013	Unbanded	M	D5/15	Seen at 1045am. Not first sighting

	Date of Sighting	Bands	Sex	Location	Description
		d			of a robin here. Photographed it. Is it possible that this is same bird that came up to D4/12? If they have a large range.
536	29/04/2013	unbanded	M	AWN4/4-5	Did not see the bird closely as it was chased away continuously by BM-YO, but very likely unbanded male
537	01/05/2013	Unbanded	U	R1/10	We had a friendly robin visiting and observing us, in fact two, while we were at station 10. One was banded - M/YO, pretty sure it's the same one we usually see in the vicinity.
538	02/05/2013	Unbanded	F	AWS18/1, AW access line	1 unbanded pair came to feed mealworms at AWS18/1 (at the AW access line). Site at gully.
539	02/05/2013	Unbanded	M	AWS18/1, AW access line	1 unbanded pair came to feed mealworms at AWS18/1 (at the AW access line). Site at gully.
540	02/05/2013	Unbanded	F	AWS18/8	1 unbanded pair came to feed mealworms at AWS18/8 (in the middle). Site at gully
541	02/05/2013	Unbanded	M	AWS18/8	1 unbanded pair came to feed mealworms at AWS18/8 (in the middle). Site at gully
542	13/05/2013	Unbanded	M	R13-14/6 rat monitoring line	Sighted at Tunnel #6 (photographed).
543	13/05/2013	Unbanded	M	R13-14/8 rat monitoring line	Sighted at Tunnel #8 (possibly same bird).
544	13/05/2013	Unbanded	F	W20/9, Rosella Tk, just above stream	Sighted
545	13/05/2013	Unbanded	M	W20/9, Rosella Tk, just above stream	Seen in this area on previous occasions.
546	14/05/2013	Unbanded	F	D5/15	She was then joined by very excited male robin and they flew off towards D4 line. Not close enough to see if male had any bands- possibly the male seen on 28/04/13 in the D4/12 & D4/14 area.
547	14/05/2013	Unbanded	F	R13-14/10 rat monitoring line	She was then joined by a male who did a lot of wing waving (courtship) and they flew off together up over the ridge (back towards Tunnel 9 area)
548	14/05/2013	Unbanded	M	R13-14/7 rat monitoring line	Sighted at Tunnel #7 (photographed).
549	16/05/2013	Unbanded	F	AWS14/4	Seen
550	16/05/2013	Unbanded	M	AWS14/4	Seen
551	11/03/2013	unbanded ?	U	W17/6-W18/6 at Fenceline Tk, Res 5 stoat trap	Met by a robin (?unbanded) near the Res 5 stoat trap. It is in an area which is lovely for robins with moisture and leaf litter.
552	07/10/2012	Unbanded fledgling	U	upper entrance ACW, Gully behind 1,000 kauri at	Fed by either GM-WR & GM-WY or both
553	02/12/2012	Unbanded	U	Aviary hihi feeder	Fed by GM-WY

	Date of Sighting	Bands	Sex	Location	Description
		d fledgling		entrance	
554	13/01/2013	Unbanded fledgling	U	upper entrance ACW	Fed by GM-WR
555	20/01/2013	Unbanded fledgling (x2)	U	ACW upper entrance 30m E side	Fed by GM-WR
556	31/12/2012	Unbanded fledgling (x3)	U	new ACW boardwalk, 10m NW (290deg) - inside boardwalk loop; Southern end of	3 fledglings fed by BM-BY & MO-YB
557	11/03/2013	unbanded ?	U	W17/6-W18/6, Fenceline Tk. Res 5 stoat trap	I was met by a robin(?unbanded) near the Res 5 stoat trap. It is in an area which is lovely for robins with moisture and leaf litter. I also heard a robin calling there in Nov/Dec so probably a territory. Of course it didn't come on Sat when Keryn had worms!
558	10/08/2012	Unidentified	U	AN19S/1 (former AN19ext./1)	Monitored pair GM. Heard a robin calling direction AN18. Calls could be MO-YB or female OG-RM?
559	14/08/2012	Unidentified	U	AN18	Monitored pair GM, heard a robin calling direction AN18. Not full territory calls. Could not go because I wanted to get the nest side.
560	26/04/2013	Unidentified	U	F6/4	With player an unbanded male robin appeared at F6/4 and a second unidentified. The male robin was chasing the other bird so no luck with the trap. I'm pretty sure it is the same male as at F5/2.
561	07/08/2012	Unidentified	U	AN18	I wrote my notes + female OG-RM was there. She was chased by a robin. Very fast chase so not seen if bands or not.
562	06/09/2012	Unidentified	U	AWN3/7 (Robin triangle)	Not sure if banded.
563	06/09/2012	Unidentified	U	IW11 by stream, Southern end of	seen
564	06/09/2012	Unidentified	U	IW8, about halfway up line, up	2 seen
565	21/09/2012	Unidentified	U	W19/6	seen
566	01/12/2012	unidentified	M	W17/6-W18/6, Fenceline Tk. Res 5 stoat trap	Heard a robin calling there in Nov/Dec so probably a territory.
567	16/12/2012	Unidentified	U	AN18S/2 baitstation, 15m W of	Lots of alarm calls, chased GM-WY, would not keep still to identify band colours, poor flyer, possibly fledgling
568	02/03/2013	Unidentified	U	Kithewaho Rd./valley Cassel Stream, in the valley in front of Yvonne's + Mike's	calling in the valley

	Date of Sighting	Bands	Sex	Location	Description
				house	
569	11/03/2013	unidentified	M	R20 Fenceline Tk.	A robin was calling off track near R20 both when I walked in and late when I walked out.
570	22/03/2013	Unidentified	U	AWN block; diag rat monitoring line	4 robins the first pair one bird was more intent on chasing the other bird and that while we saw both birds I could not see any bands but you may have banded then as they displayed caution towards us.
571	22/03/2013	Unidentified	U	AWN block; diag rat monitoring line	4 robins the first pair one bird was more intent on chasing the other bird and that while we saw both birds I could not see any bands but you may have banded then as they displayed caution towards us.
572	22/03/2013	Unidentified	U	AWN block; diag rat monitoring line	4 robins the other 2 robins were at the west end were the line joins AWN6 one of the birds was banded but the other bird was not and from the way it behaved I think it was a chick from this season and while I could see at least one bird taking worms not shore if it was both or only one and both birds displayed caution towards us.
573	24/03/2013	Unidentified	M	R13-14 #10 (R13-14) Rat Monitoring Station M	When I got to Rat Monitoring Station #10, up and over a ridge from Monitoring Station #9, a male robin flew near me however I could not tell if it was the same bird I had seen before at #9 or not. I could not see the any bands however it was not very close and did not stay close long. It flew to the north, back down the valley, which would have been towards the creek and nearer to monitoring Station #9.
574	24/03/2013	Unidentified	M	R13-14/10 (R13-14) Rat Monitoring Station M	When I got to Rat Monitoring Station #10, up and over a ridge from Monitoring Station #9, a male robin flew near me however I could not tell if it was the same bird I had seen before at #9 or not.
575	04/04/2013	unidentified	M	AWN5/4	robin heard 20m west from #4
576	05/04/2013	Unidentified	M	F9/5	Singing. Not seen.
577	05/04/2013	unidentified	M	F9/5	Heard robin singing at F9/5 to the north
578	05/04/2013	Unidentified	M	F9/7	Singing. Not seen. Maybe same as F9/5?

	Date of Sighting	Bands	Sex	Location	Description
579	05/04/2013	unidentified	M	F9/7	Heard robin singing at F9/7 to the south
580	05/04/2013	Unidentified	M	R14 down in gully	singing. Not seen.
581	05/04/2013	unidentified	M	R14 from Rob Ridge Tk	Walking in to F12 + F9 along Rob Ridge we heard a robin singing in the gully down R14.
582	08/04/2013	unidentified	U	K10/4	Seen
583	08/04/2013	unidentified	M	R14/11	When I rejoined R14 and headed back towards Montana Heritage Track I was joined by an unbanded female at bait station R14/11. This bait station is directly above a gorge area, lots of supplejack and very steep banks. The female did some excited chirps and flew a male that had arrived behind me, and they both flew off down the gorge.
584	09/04/2013	unidentified	U	AWN3/7-8, (Robin triangle)?	robin @AWN diag
585	09/04/2013	unidentified	U	AWN7/8-9	robin single at stream between #8 and #9
586	11/04/2013	unidentified	M	D5/17 near; Rosella Tk	singing in gully near D5
587	11/04/2013	unidentified	M	W21, Rosella end of	robin calling in gully South at Rosella end of W21
588	12/04/2013	unidentified	U	D5, Rosella Tk	Seen robin at stream crossing at bottom of Rosella Track, about 50m before D5 access point. I think Maurice saw same bird the other day.
589	12/04/2013	unidentified	U	D5/9	seen at a stream crossing. Saw robins on D5, having entered from the Rosella short cut.
590	12/04/2013	unidentified	U	D56/9 rat monitoring line	seen, rat monitoring line that runs down from the top of the hill above D14, easy track with orange tape.
591	12/04/2013	unidentified	U	R13/14	Seen
592	13/04/2013	unidentified	M	F13/8	Heard
593	23/04/2013	unidentified	U	R14/11- 12	robins between #11 and #12
594	25/04/2013	unidentified	U	AWN15	robins all along line
595	25/04/2013	unidentified	U	P17/14	-
596	25/04/2013	unidentified	F	R13-14 #9 (R13-14), Rat Monitoring Station M	A male robin (it looked like it had two white or yellow bands on right leg) came up the valley from the east as I was leaving This would seem to be the same bird that I reported seeing on the 24/3/12. This time the flash clearly highlighted the colours of the bands. It was joined by a female and they both went up the ridge

	Date of Sighting	Bands	Sex	Location	Description
					before the male flew back down into the valley. I could not get photographs of these two birds.
597	27/04/2013	Unidentified	M?	D5/15 stream	Heard. Deployed cards on the D5-6 line.
598	27/04/2013	Unidentified	M?	W20/9, Rosella Stream (west)	Heard. Deployed cards on the D5-6 line.
599	28/04/2013	Unidentified	U	U10/9	Heard a robin alarm call loudly very near U10/9. Grant has also seen and heard robins in U10 in the past 2 yrs.
600	02/05/2013	Unidentified	M	AWN2/8 opposite, Scenic Drive, entry Fairy Falls	Today we were walking past the Fairy Falls entrance on Scenic Drive and heard very clearly a robin calling!
601	14/05/2013	Unidentified	M	D5/15	She was then joined by very excited male robin and they flew off towards D4 line. Not close enough to see if male had any bands- possibly the male seen on 28/04/13 in the D4/12 & D4/14 area
602	25/05/2013	unidentified	M	Le, 20 m before Le to the NE coming from Ld at the Lower Kauri Tk	at 09:45a robin was calling
603	15/06/2013	Unidentified	U	K9/7-8	Seen
604	2013-01-16	WG-BM	U	AN17S-closer 16S	Get bands.
605	27/01/2013	WG-BM	U	AN17S baitline, near stoat/Timms traps, ACW	Fed by MO-YB
606	23/09/2012	WR-OM	F	R7/16 to 17	Origin: WR-OY, black grey together with male MW-YW (origin: YW-grey or silver W)
607	17/04/2012	Unidentified	U	AWS10, closer to AW access line	sometimes two
608	17/04/2012	Unidentified	U	AWS11, closer to AW access line	sometimes two
609	17/04/2012	Unidentified	U	AWS5, closer to AW access line	sometimes two
610	17/04/2012	Unidentified	U	AWS6, closer to AW access line	sometimes two
611	17/04/2012	Unidentified	U	AWS7, closer to AW access line	sometimes two
612	17/04/2012	Unidentified	U	AWS8, closer to AW access line	sometimes two
613	17/04/2012	Unidentified	U	AWS9, closer to AW access line	sometimes two
614	21/04/2012	Unidentified	U	AN7/15	or 3rd from Anderson Tk. Attention wasp nest.
615	21/04/2012	Unidentified	M	Lg/5	On Lg around station 5 towards line Lf a robin was in fine voice. It was first heard from the lower Kauri track just after Lf on the way to Lg. The closest I got to it was around LG5. It was between the two lines
616	21/04/2012	Unidentified	U	R2/6	

	Date of Sighting	Bands	Sex	Location	Description
617	23/04/2012	Unidentified	M	AWS10	Robin heard. S. 25/04/12
618	25/04/2012	Unbanded	U	AWS10	3 robins on AWS10, one banded.
619	25/04/2012	Unbanded	U	AWS10	3 robins on AWS10, one banded.
620	06/05/2012	Unidentified	U	TA or TB	1 robin
621	17/06/2012	Unidentified	M	AWS5, North end of	flew off down the Access Tk (West)

\* less sightings as last season because one main observer's sightings not listed