

Ark in the Park

Summary of

North Island Robin

Breeding Season Data and Sightings
2011 – 2012

Compiled by Heidrun Schinke (July 2012)



NI Robin (female BM-BY) – photo taken by Heidrun Schinke 2011

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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 functioning native ecosystems 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 March 2012, is approximately 2300 hectare (ha), 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 as well as original native birds and other biodiversity. Main predators targeted are ship rats (*Rattus rattus*) and other rodents, 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 the 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 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 for example servicing bait stations and stoat traps, monitoring re-introduced birds.

Many people participated in the collection of data for the 2011-2012 NI Robin season, including 36 Ark in the Park volunteers. Many thanks to the passionate main observers Keryn McCracken, Grant Capill, Gerhard Wette, Laurence Béchet, Karen Colgan, Hayden Reynolds, Bruce Calvert, Sophie Watt, Mike Vaneveld, Yvonne Vaneveld, Andy Warneford and Heidrun Schinke.

Special thanks to Robin co-ordinator Laurence Bechet for all the work she has put into maintaining the Robin database and to Heidrun Schinke for updating them. To Karen and Maurice Colgan for the maps, to Maj De Poorter and Sarah Schinke for the editing of this report.

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 to feed on invertebrates or the male singing from his perch on low branches.

NI Robin is classified as not threatened and stable¹ 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. Before they breed they start courtship feeding. The female build the nest and incubates. Chicks and fledglings are feed from both. If a nest fails the female can re-lay immediately.

4. Background to NI Robins in Ark in the Park

Fifty-three Robins were initially re-introduced into the park in April 2005, from Mokoia Island, near Rotorua. 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.

5. NI Robin Breeding Season 2011 – 2012

This report includes 788 data entries about NI Robin sightings between April 2011 and March 2012 (see Appendix 4). The results are

- 10 NI Robin breeding pairs were monitored in the AIP area during 2011-2012 breeding season.
- There are now more Ark in the Park birds (6 pairs) being observed breeding than Mangatutu birds (2 pairs). 3 pairs are mixed with the interesting combinations all females came from AIP and all males came from Mangatutu. No Mokoia Island bird is breeding any longer (see Table 1).

Table 1 shows Origin of NI Robin Pairings 2011-2012

¹ 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

Table 1: Origin of NI Robin Pairings 2011-2012

Mother	Father		Mother	Father	No. Origin of Pairs	No. of Pairs
MB-YG	MW-YW'		Mangatutu	Mangatutu	1	1
MB-YO	MW-YO		Mangatutu	Mangatutu	2	2
WR-OM	MW-YW'		AIP	Mangatutu	1	3
GM-BW	MO-YB		AIP	Mangatutu	2	4
OG-RM	M-YY		AIP	Mangatutu	3	5
BM-BW	BM-BR?		AIP	AIP	1	6
BM-BY	GM-BO*		AIP	AIP	2	7
GB-OM	GM-BO*		AIP	AIP	3	-
GM-WR	GM-WY		AIP	AIP	4	8
Unbanded F AWS12/4-5	Unbanded M AWS12/4-5		AIP	AIP	5	9
Unbanded F F12/5	Unbanded M F12/5		AIP	AIP	6	10

'NI Robin male with 2 females

*NI Robin male with female replacement

- 4 of the 10 NI Robin breeding pairs were closely monitored during 2011-2012 breeding season with 603 data entries. Their territories were near the Auckland City Walk (ACW).
- The females of the 4 NI Robin breeding pairs built 17 nests. 8 of these nests failed. 4 of the failed nests were abandoned after few days of incubating and the failure had natural reasons such as the nest was left empty after heavy rain or no support from the male. 2 of the failed nests were possible predated with chicks in. One of the failed nests was possibly predated with chicks and female GB-OM because she was not seen any longer. One of the failed nests had a dead chick inside (see Appendix 1).
- 2 females of these 4 NI Robin breeding pairs built 5 nests during 2011-2012 breeding season (see Appendix 1).
- 18 fledglings were seen. The average fledglings per pair of the 4 NI Robin breeding pairs is 4,5 (4 females, 18 fledglings).
- In spite of the failed nests it is a very good breeding result.

Map 1 shows the nest locations of the 4 NI Robin pairs near ACW.

Map 1: Nest locations of the 4 NI Robin pairs near ACW



- 5 nests of female GM-WR
- 3 nests of female OG-RM
- ⊙ 5 nests of female GM-BW
- 1 nest of female GB-OM
- 3 nests of female BM-BY

- The NI Robin 2011-2012 breeding season started with the same partners. The only change was a new female BM-BY for male GM-BO very quickly after the disappearance of his former female GB-OM. Male MW-YW still supported successful two females WR-OM and MB-YG as last season (see Table 1 + Appendix 2).
- Since the introduction of the NI Robin to the Ark in the Park in 2005/06, 154 fledglings have been recorded (see Table 2).
- The number of fledglings banded this year has fallen again to only three. This has been due to a different attitude in banding. It is very time intensive to band fledglings in the large AIP area (see Table 2).

Table 2 shows Robin Breeding Season Summary Data 2005-2012
(Full Report 2011/12 Appendix 4).

Table 2: NI Robin Breeding Season Summary Data
2005-2012

Breeding Season	No. Of Breeding Pairs	No. of Nests found	No. of Fledglings	No. of banded Fledglings	Average No. Fledglings/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	4,2 *
Total			154		

* The closely monitored four pairs produced a high number of failed nests during 2011-2012 breeding season. Hence instead of calculating the number of fledglings per nest, we calculated the number of fledglings per pair for the different breeding seasons.

6. NI Robin Sightings 2011 – 2012

- Between March 2011 and March 2012 there were 788 sightings of NI Robins recorded by volunteers in the Ark in the Park area (see Appendix 4).
- Throughout the season a total of 83² individuals were observed. Of the 83 birds observed, 20 birds were involved with breeding. 39³ unbanded single birds were present. 21 (19 unbanded and 2 banded) fledglings were present in the AIP area in 2011/2012 (see Table 3).

With the new large areas AW and CG each North and South as well IW Block it was mostly not possible for the volunteers to get specific data like sex or pair territory of the unbanded birds.

- Of the 83⁴ birds observed, 8 were Mangatutu birds and 75 Ark in the Park birds (see Table 3).
- Paired birds were observed, this involved 7 Mangatutu and 15 Ark in the Park birds (see Table 1).
- The most commonly seen bird for 2011/12 was GM-BO, a male Ark in the Park bird breeding near Auckland City Walk/ AN17 ext. (See Appendix 3).
- The sex ratio for the 83 birds sighted or recorded in 2011/12 was (see Appendix 4):

Male	–	22
Female	–	19
Unknown	–	42

- The average age of the banded breeding birds is approximately 2,7 years. This is likely to be on the low side due the unknown age of the relocated birds i.e. 8 Mangatutu of 21 birds. With 43 unbanded individuals the average age is likely to be younger (see Table 3).

For summary data see:

Appendix 3: Summary of banded NI Robin Sightings in Ark in the Park 2011-2012 (Full Report Appendix 4).

Table 3: Summary of Origin of NI Robins Seen in Ark in the Park 2011-12

² Multiple sightings possible.

³ Excluding the 2 unbanded breeding pairs. Multiple sightings possible.

⁴ Multiple sightings possible.

Table 3: Summary of Origin of NI Robins seen in Ark in the Park 2011/12

Origin of NI Robins	Number of birds seen in 2011-2012	Age (years)	Number of birds seen in 2010-2011	Age (years)
2005 release (Mokoia)	0	-	1	5
Born in 2005/2006	1	6	0	-
Born in 2006/2007	0	-	2	4
Born in 2007/2008	0	-	1	3
Born in 2008/2009	2	3	4	2
2009 release (Mangatutu)	8	3	13 (out of 30 released)	2
Born in 2009/2010	7	2	5	1
Born in 2010/2011	1	1	29	0
Born in 2011/2012	21	0	-	0
Uncertain origin e.g. unbanded, banded as adults etc.	43 ¹	?	12	?
Total	83	Average Age = 2,7²	67	Average Age = 2,1₂

¹ Including the 2 unbanded breeding pairs. Multiple sightings possible.

² The average age does not include the 2011/12 births 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

7. 1. Robin, B-M (male) the oldest known male in the Ark



NI Robin (male B-M) – photo taken by Masha Leenen 2008/09

Male B-M was an original bird released in 2005 and was possibly (or very likely) the oldest bird in the 2010/11 season. He was first noticed alone on Lower Andersons in 2005 and was shy and stayed in the distance.

In 2006/07 he paired up with BW-RM (female born in the ARK area in 2005/06 season) in the TA to TO baitline area (at the top of Andersons). B-M was by then much bolder and sang readily at close range with up to 5 worms in his beak. They successfully raised two clutches with 5 fledglings.

In 2007/08 he partnered with BW-RM again as well as BW-OM (the latter was born in ARK in 2006/07 season), and fathered 5 clutches and 11 fledglings in total. This was achieved by swapping back and forth between the two females, on a monthly basis from October to February. In 2007/08 his territory covered the Anderson Track TA-1 to TA-4-5 and Anderson track TB-1 to TB-4-5. His nest with BW-RM was near the TA-7 baitstation but normally his territory does not range up to TA-7.

In 2008/09 the story gets more complicated. B-M bred with BW-OM early on in the season (Sept 08) at the TB baitline, raising two fledglings. Unfortunately BW-OM died of breathing difficulties after being caught by a cat. So B-M called for another female and BW-RM rejoined him at the end of the season (Jan 09), after having three clutches with a different male (WW-RM) at the R13 baitline. BW-RM and B-M raised two fledglings in the TA baitline area.

In 2009/10 B-M was found again with BW-RM, this time in the TB/3 baitline area. They successfully had a nest with two fledglings in Sept 2009. After these juveniles were banded, the female BW-RM was not seen again in this area. It is assumed that BW-RM took her young and moved out of the territory for some reason.

In 2010/11 B-M has paired up with an unbanded Ark in the Park female. Sadly his partner of the past four seasons, BW-RM, has not been sighted this season. The new pair managed to produce three fledglings at TA/4 this season.

In 2011/12 B-M sadly was not seen any longer over autumn and winter and did not reappear at the beginning of the breeding season. In his whole territory no other robin was heard or seen. His unbanded partner as well as a NI robin pair at AN1 disappeared during the same period.

Over 5 breeding seasons B-M has fathered 25 fledglings. He was very attentive to the fledglings of all clutches and took almost the entire responsibility for feeding them worms, leaving the females to get on with nest building.

His territory has been held in the TA, TB and TO area from 2006/07 to 20010/11 without any other known males breeding in this area. He was at the AIP for over 6 years after captured with an unknown age on the Mokoia Island.

7. 2. Life of NI robin GB-OM (female)



NI Robin (female GB-OM) – photo taken by Keryn McCracken 2011

Most AIP volunteers knew female GB-OM from the great NI robin photograph hanging at the ranger stations office door over the last years. A few volunteers came very close to her over 5 or 6 breeding seasons. Her speciality was to catch the thrown meal worms in the air with her bill. Generally NI robins only rarely catch a flying insect on the wing.

She got her bands as adult on 2nd September 2008. Her first nest was discovered 16 days later at the ACW area. In the first season she had two nests but no fledglings with her first male GR-OM.

In the second season 2009/10 she had 4 nests with 4 fledglings around AN17ext. with her second male PP-RM who was a very friendly robin.

In the third season 2010/11 she had the first found nest of the season in September with her third male GM-BO. She had 3 nests with 4 fledglings.

The fifth season started early and well with her incubating in August. She built a very open nest in a fern tree at the Anderson Stream side. She was visible sitting in the nest from the other stream side. Then 3 days after her partner fed chicks the nest was abandoned and she disappeared. The last sighting of her was on 07 September 2011. Because the eggs were hatched and there was no sign of her, another female came into her territory immediately. It is most likely the nest was predated maybe by moreporks which are often seen in this area. It is also a possibility for the disappearance of one maybe two males in that area.

Because she was banded when she was an adult her age⁵ is not exactly known. Altogether she had 10 nests with 8 fledglings over 5 breeding seasons with 3 different males.

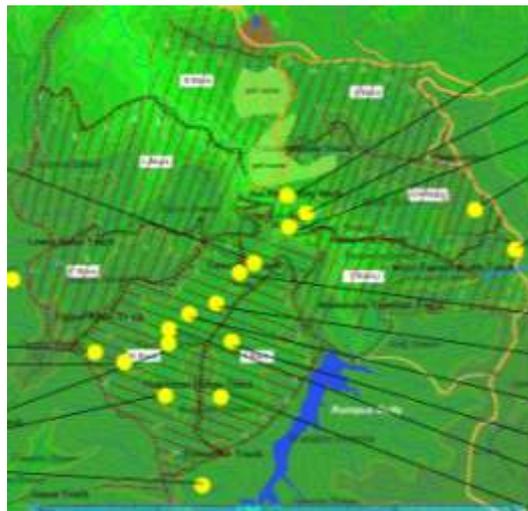
8. The Future

Over the last two years the AIP area had a huge expansion of pest control area in the SE with an additional protected area of approximately 750 hectare which has a large habitat for NI Robins. NI Robins are more widespread (map 2, 3 + 4). NI Robins were seen this season in areas where volunteers a few years ago have had no access. No data was collected prior to this season which makes it not possible to determine if the NI Robins are new to the area or if they had territories there before we had the knowledge about them. Some sightings have been outside the AIP area close to Lone Kauri Road since 2007. This fact suggests that NI Robins may have been in these areas before. However, pest control will make a significant difference to their survival chances.

Maps 2 - 5 shows the widespread sightings of NI Robins at AIP.



Map 2: NI Robin territories identified in the seasons 2005-06, 2006-07 and 2007-08.



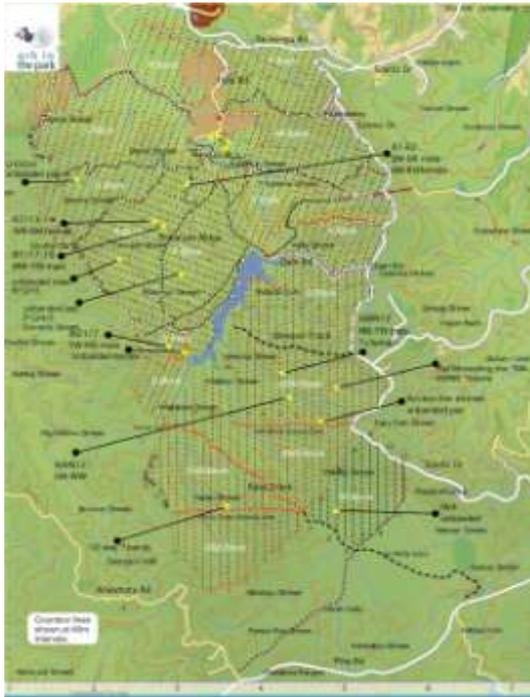
Map 3: Locations of NI Robin observations in 2009-10

⁵ Leenen M. (2009) Population study ..., P. 16: Breeding pair at the Auckland City Walk:

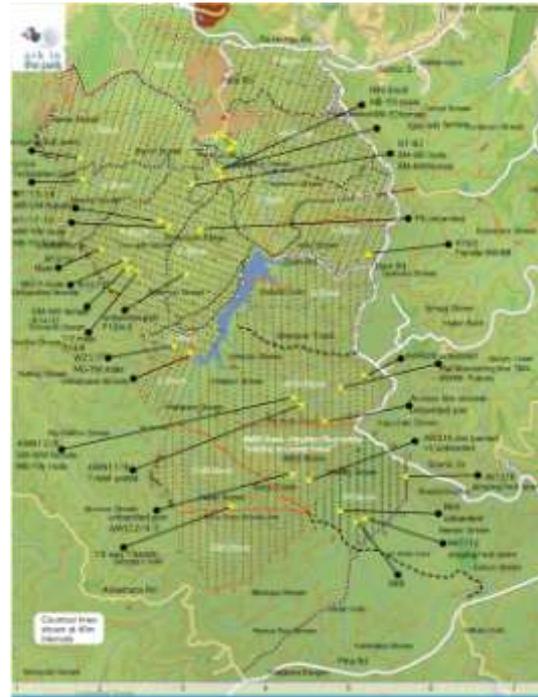
One of the five breeding pairs, the newly banded pair at the Auckland City Walk, was assumed to be infertile after two of their nests (in total five eggs) had failed. Intensive monitoring of this pair during the incubation period has shown that the average time the female spend off the nest was longer than compared to other females. Nevertheless, she never stayed off the nest for more than 30 minutes during observations.

The eggs of the second nest were examined by a veterinarian from the Auckland Zoo and declared to be infertile. Assumptions about the cause of the infertility could not have been made by examining the eggs only. The male of this pair left the territory after the second nest had failed. The female remained in her territory.

This pair is assumed to be the infertile pair that was already monitored in the breeding season 2007/2008. These birds were found unbanded and produced two failed nests as well.



Map 4: NI Robin sightings in the season 2010-11



Map 5: NI Robin sightings in the season 2011-12

(Maps: Karen and Maurice Colgan)

For the 4 closely monitored pairs in the ACW area numbers appear to be stable: if one adult goes missing a new one appears immediately. Altogether they had a successful breeding season. A few times more porks were seen - one of the possible nest predators.

With all the unbanded bird sightings it is not possible to predict where the 17 unbanded fledglings of the 2011-12 breeding season of these 4 pairs will settle for their own territories.

With over 50 % of sightings of unbanded birds, it leads to the assumption of a younger population than 2,7 years of the average age. The number of individual bird sightings is growing which also leads to the assumption of a possible growing population. However, this assumption will have to be treated carefully given that for many NI Robins in Ark in the Park there may be no monitoring data, or too few details.

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 much stricter control of dogs in the AIP area will be necessary. Dog access to the Cascade is being reviewed as a part of the Dog Control Bylaw Review.

9. Acknowledgement of Support

The Ark in the Park Restoration project is community volunteers based project - a partnership between Forest and Bird and the Auckland Council. 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; 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 (Inc). Funding has also come from the Birdlife International Community Fund, Auckland Zoo Conservation Fund, as well as the Guardian Trust, the Watson Trust and Zelda Roberts Charitable Trust.

There were less robin monitoring volunteers than in previous years (less resources available i.e. volunteers were concentrating on kokako monitoring). Nevertheless there were 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.

Thanks.

10. Contact Details

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<http://www.forestandbird.org.nz/what-we-do/projects/ark-in-park>

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12. 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
i.e.	Id est
IW	Ian Wells
M	Male
NI	North Island
U	Unidentified

Table 4: NI Robin Banding Colours used at AIP

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



Appendix 1 : NI Robin Nest Information near ACW

2011/2012 Season												
Mother	Father	Location	Nest No.	Notes	Date Nest found	Date Incubating	Date hatched	No. of Nestlings	Date Fledged	Fledglings	Fledglings/Pair	Date Banded
OG-RM	M-YY	Aviary	1		24.09.11	24.09.11	20.10.11	U	25.10.12	2		22.11.11
OG-RM	M-YY	AN 18/1-2	2	Nest failed after heavy rain. Nest was built in vertical hanging nikau leave which seemed flooded. Supposed natural reason after 9 days incubating.	18.11.12	29.11.12	failed after 9 days	-	-	-		-
OG-RM	M-YY	AN18/2	3		20.12.11		03.01.12	U	21.01.12	2	4	21.02.12

Mother	Father	Location	Nest No.	Notes	Date Nest found	Date Incubating	Date hatched	No. of Nestlings	Date Fledged	Fledglings	Fledglings/Pair	Date Banded
GM-WR	GM-WY	AN19ext. down right	1	Nest failed after ca. 16 days. Possible chick(s) hatched + were predated.	02.08.11	14.08.11	failed after ca. 16 days	U	-	-		-
GM-WR	GM-WY	AN19ext. down left	2		30.08.11	03.09.11	21.09.11	U	20.10.11	2		
GM-WR	GM-WY	AN19ext 3. nest	3	Nest failed after 17 days. Very possible chick(s) hatched + were predated.	03.11.11	03.11.11	failed after 17 days	possible	-	-		-
GM-WR	GM-WY	AN19ext 4. nest	4	Nest failed after 10 days incubating.	23.11.11	29.11.11	-	-	-	-		-
GM-WR	GM-WY	AN19ext. down right	5		10.12.11	20.12.11	06.01.12	2	21.01.12	2	4	
GB-OM	GM-BO	AN17ext. over stream, 1. nest	1	Nest failed after chick(s) hatched. Very open + visible nest. Last sighting of female GB-OM. Nest predated!	24.08.11	24.08.11	07.09.11	U	-	-		-

Mother	Father	Location	Nest No.	Notes	Date Nest found	Date Incubating	Date hatched	No. of Nestlings	Date Fledged	Fledglings	Fledglings/Pair	Date Banded
BM-BY	GM-BO	AN17ext. Left	1		27.09.11	04.10.11	20.10.11	U	08.11.11	2		
BM-BY	GM-BO	AN17ext. Left	2	Nest failed. 1 chick dead in nest. Second fledged after only 16 days. Not fed by adults. Died 2 days later.	18.11.11	20.11.11		U		1		-
BM-BY	GM-BO	AN17ext. Right	3		03.01.12	03.01.12	24.01.12	U	09.02.12	2	5	
GM-BW	MO-YB	AN17	1	Nest failed after 9 days incubating.	30.08.11	30.08.11	-	-	-	-		-
GM-BW	MO-YB	AN17	2	Nest failed after ca. 25 days. Possible chick(s) hatched + were predated. Nest was empty.	14.09.11	14.09.11	after 27/09/11	U	-	-		-
GM-BW	MO-YB	AN16	3		04.10.11	11.10.11	17.11.12	U	07.12.11	2		
GM-BW	MO-YB	AN17/new track	4		22.12.11	07/12/11?	27.12.11	U	11.01.12	3		

Mother	Father	Location	Nest No.	Notes	Date Nest found	Date Incubating	Date hatched	No. of Nestlings	Date Fledged	Fledglings	Fledglings/Pair	Date Banded
GM-BW	MO-YB	AN16/1	5	Nest failed after ca. 7 days incubating after heavy rain and no support from male MO-YB in his huge moult.	21.02.11	21.02.11	-	-	-	-	5	-
Total			17					2		18		

Appendix 2: NI Robin Pairings 2006-2012

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	No. Partners		Age	
BM-BW	BM-BR not seen	BM-BR*	* Banded as adults 2010/11				2	1/2, 1/2	2	AIP
BM-BY*	GM-BO	* Banded as Adult 2011					1	1/1	1	AIP
GB-OM*	GM-BO	GM-BO (PP-RM not seen)	GR-OM*	PP-RM	GR-OM*	*Banded as adults 2008	3	2/4, 1/4, 1/4	4	AIP
GM-BW*	MO-YB	MO-YB	* Banded as Adult 2011				1	2/2	2	AIP
GM-BO	GB-OM predated, then BM- BY	GB-OM	Born				2	1/2, 1/2	2	AIP
GM-WR	GM-WY	GM-WY	Born				1	2/2	2	AIP
GM-WW	MB-YW?								2	AIP
GM-WY	GM-WR	GM-WR	Born				1	2/2	2	AIP
MB-YG	MW-YW	MW-YW	MW-YW				1	3/3	3	Mangatutu
MB-YO	MW-YO	MW-YO	MW-YO				1	3/3	3	Mangatutu
MB-YW	GM-WW?								3	Mangatutu

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	No. Partners			
MO-YB	GM-BW former unbanded	Unbanded 1 (M-YM Not seen)	M-YM				2	2/3, 1/3	3	Mangatutu
MW-YO	MB-YO	MB-YO	MB-YO				1	3/3	3	Mangatutu
MW-YW*	MB-YG WR-OM	MB-YG WR-OM	MB-YG	* MW-YW courted both birds at the same time. Both producing Juveniles			2	3/3, 2/3	3	Mangatutu
MW-YY	MG-YG	MG-YG	None				1	2/2	3	Mangatutu
M-YY	OG-RM	OG-RM	OG-RM				1	3/3	3	Mangatutu
OG-RM	M-YY	M-YY	M-YY (BY-OM Not seen)	BY-OM	None	Born	2	3/4, 1/4	5	AIP
WR-OM	MW-YW	MW-YW (OM-RB Not seen)		OM-RB			2	1/2, 1/2	3	AIP
Unbanded F F12/5	Unbanded M F12/5						1	1/1		AIP
Unbanded M F12/5	Unbanded F F12/5						1	1/1		AIP
Unbanded F AWS12/4-5	Unbanded M AWS12/4-5						1	1/1		AIP

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	No. Partners		Age	
Unbanded M AWS12/4- 5	Unbanded F AWS12/4-5						1	1/1		AIP
						Average	1,3	Average	2,6	

Appendix 3: Summary of banded NI Robin Sightings in Ark in the Park 2011-2012

Count	Band Combo	Sex	Total No. of Sightings	Partner	Location	Number of times seen				First Seen	Last Seen
						June - Aug 11	Sept - Nov 11	Dec - Feb 12	Mar 12		
1	BM-BW	F	4	BM-BR (not seen) GM-BG?	R2/5-7	0	1	3	0	2011-10-27	24/01/2012
2	BM-BY	F	45	GM-BO	AN17ext.	0	21	21	3	2011-09-15	30.03.2012
3	BM-OB	U	5	Fledgling	AN18	0	3	2	0	22/11/2011	07/12/2011
4	BM-OG	M?	2	Fledgling	Aviary	0	0	2	0	21/02/2012	24/02/2012
5	GB-OM	F	14	GM-BO	AN17 ext.	9	5	0	0	2011-05-28	2011-09-15
6	GM-BO	M	87	BM-BY (GB-OM)	AN17 ext.	35	25	23	4	26.08.2010	30.03.2012
7	GM- WY	M	58	GM-WR	AN19ext.	9	25	21	3	2011-06-19	30.03.2012
8	GM-BW	F	53	MO-YB	AN16	10	23	17	3	2011-05-28	24/02/2012
9	GM-WO	F	1	-	R14/12	1	0	0	0	2011-08-26	2011-08-26
10	GM-WR	F	65	GM-WY	AN19 ext.	14	25	22	4	2011-05-28	30.03.2012
11	GM-WW	F?	4	MB-YW?	Between AWN12/9 at the stream	4	0	0	0	2011-06-30	2011-08-16

Count	Band Combo	Sex	Total No. of Sightings	Partner	Location	Number of times seen				First Seen	Last Seen
						June - Aug 11	Sept - Nov 11	Dec - Feb 12	Mar 12		
12	MB-YG	F	11	MW-YW	R7/14-15	6	4	1	0	2011-07-20	06/01/2012
13	MB-YO	F	5	MW-YO	Stoat Trap 4 Hihi Knoll	2	1	2	0	2011-03-18	20/02/2012
14	MB-YW	M	2	GM-WW?	Between AWN12/9 at the stream	1	1	0	0	2011-06-30	2011-08-16
15	MO-YB	M	61	GM-BW	AN16	11	27	19	4	2011-05-28	30.03.2012
16	MO-Y	F	1	-	R13/13	1	0	0	0	2011-08-26	2011-08-26
17	MW-YO	M	7	MB-YO	Stoat Trap 4 Hihi Knoll	2	3	2	0	2011-04-20	20/02/2012
18	MW-YW	M	15	MB-YG WR-OM	R7/14-15	5	6	3	1	2011-07-20	28/03/2012
19	M-YY	M	64	OG-RM	AN18 + Aviary	13	20	28	3	2011-05-28	30.03.2012
20	OG-RM	F	66	M-YY	AN18 + Aviary	12	28	22	4	2011-06-19	30.03.2012
21	WR-OM	F	13	MW-YW	R7/13	4	6	2	1	2011-07-20	28/03/2012
Total			583			139	224	190	30		

Appendix 4: NI Robin Sightings in Ark in the Park 2011-2012

	Date of Sighting	Bands	Sex	Location	Description
1	2011-08-20	B-M	M	TA	no sign
2	2011-08-31	BM-BR	?	Cascade Tk stream crossing	no sign of BM-BR. Lots of singing from far away (direction of hihi knoll)
3	2011-09-06	BM-BR	?	Cascade Tk stream crossing	no sign of BM-BR.
4	2011-09-13	BM-BR	?	Cascade Tk stream crossing	no sign of BM-BR.
5	2011-09-20	BM-BR	M ?	Cascade Tk stream crossing	no sign of BM-BR.
6	2011-10-11	BM-BR	M ?	Cascade Tk stream crossing	no sign of BM-BR.
7	06/01/2012	BM-BR ?	M ?	Cascade Tk stream crossing	Heard from junction of upper kauri + Cascade Tk
8	2011-10-27	BM-BR or BM-BW	M ? Or F	Cascade Tk stream crossing	took worms away
9	2011-08-31	BM-BW	F	Cascade Tk stream crossing	no sign of BM-BW. Lots of singing from far away (direction of hihi knoll)
10	2011-09-06	BM-BW	F	Cascade Tk stream crossing	no sign of BM-BW.
11	2011-09-13	BM-BW	F	Cascade Tk stream crossing	no sign of BM-BW.
12	2011-09-20	BM-BW	F	Cascade Tk stream crossing	no sign of BM-BW.
13	2011-10-11	BM-BW	F	Cascade Tk stream crossing	no sign of BM-BW.
14	01/01/2012	BM-BW	F	Cascade Tk stream crossing	Was taking the worms up the small stream at the bottom of the steps to the west.
15	24/01/2012	BM-BW	F	R2/7&6	Fed fledgling
16	2011-09-15	BM-BY	F	AN17, 20 m before	fed by GM-BO, former unbanded female
17	2011-09-18	BM-BY	F	Near last season's AN17ext nest sites	Fed by GM-BO
18	2011-09-21	BM-BY	F	AN17ext.	Fed by GM-BO + chased by MO-YB
19	2011-09-27	BM-BY	F	AN17ext./1	fed by GM-BO
20	2011-10-04	BM-BY	F	AN17ext. nest no. 1	Fed by GM-BO. Incubating.
21	2011-10-06	BM-BY	F	AN17ext. nest no. 1	Took worms and cached. Not so hungry.
22	2011-10-09	BM-BY	Female	AN17ext nest 1	Fed by GM-BO
23	2011-10-11	BM-BY	F	AN17ext. nest no. 1	Incubating. Fed by GM-BO
24	2011-10-20	BM-BY	F	AN17ext. nest no. 1	Fed 2 chicks.
25	2011-10-23	BM-BY	Female	AN17 ext nest 1	Feeding chicks. Shy
26	2011-10-25	BM-BY	F	AN17ext. nest no. 1	Fed 2 chicks.

27	2011-11-03	BM-BY	F	AN17ext. nest no. 1	Fed 2 chicks.
28	2011-11-06	BM-BY	Female	AN17ext/2	Competition with GM-BO for worms. GM-BO did not feed BM-BY
29	2011-11-08	BM-BY	F	AN17ext. nest no. 1 side	Fed 2 fledglings.
30	2011-11-13	BM-BY	Female	AN18ext, near last season's first nest site	Ate worms. Chased by GM-BO - mating behaviour? No sign of fledglings
31	2011-11-15	BM-BY	F	AN17ext. nest no. 1 side	Fed her 1 fledgling.
32	2011-11-18	BM-BY	F	AN17ext. nest no. 1 side	Took worms + cached.
33	20/11/2011	BM-BY	Female	AN18ext nest 2	Ate & cached. New nest. No sign of fledgling.
34	22/11/2011	BM-BY	F	AN17ext. nest no. 2	Incubating. Fed by GM-BO
35	27/11/2011	BM-BY	Female	AN17ext nest 2	ate & cached
36	29/11/2011	BM-BY	F	AN17ext. nest no. 2	Took worms + cached.
37	04/12/2011	BM-BY	Female	AN17ext nest 2	Incubating. Did not come off nest for worms.
38	07/12/2011	BM-BY	F	AN17ext. nest no. 2	Chick(s) hatched. Fed chick(s).
39	10/12/2011	BM-BY	Female	AN17ext nest 2	Fed chicks
40	20/12/2011	BM-BY	F	AN17ext. nest no. 2	Fed chick(s).
41	22/12/2011	BM-BY	F	AN17ext. nest no. 2	Fed chick(s).
42	27/12/2011	BM-BY	F	AN17ext. nest no. 2	No sign.
43	28/12/2011	BM-BY	F	AN17ext./orange line	Fed twice by GM-BO. Took a lots of worms.
44	03/01/2012	BM-BY	F	AN17ext./orange line nest no. 3	Incubating. Fed by GM-BO. Made alarm calls as stoat or ferret ran down to stream.
45	06/01/2012	BM-BY	Female	Nest ACW track 20m north of AN17 ext	Incubating. Fed by GM-BO
46	09/01/2012	BM-BY	F	AN17ext./orange line nest no. 3	Incubating. Took 8 worms + cached.
47	11/01/2012	BM-BY	F	AN17ext./orange line nest no. 3	Incubating. Took 8 worms + cached.
48	15/01/2012	BM-BY	Female	AN17ext nest	Fed & cached
49	21/01/2012	BM-BY	Female	Near AN17ext/1 baitstation	Ate logs of worms, then cached
50	24/01/2012	BM-BY	F	AN17ext./orange line nest no. 3	Fed 2 chicks, maybe 3.
51	26/01/2012	BM-BY	F	AN17ext./orange line nest no. 3	Fed 2 chicks, not sure about 3.
52	29/01/2012	BM-BY	Female	AN17ext nest	Fed chicks

53	31/01/2012	BM-BY	F	AN17ext./orange line nest no. 3	Fed 2 chicks.
54	09/02/2012	BM-BY	F	AN17ext./orange line nest no. 3	Flew away with worm
55	18/02/2012	BM-BY	Female	ACW track, river side, near last nest, between AN17ext&18ext baitlines	Ate & cached. Finally fledgling turned up. Fed fledgling
56	21/02/2012	BM-BY	F	AN17ext./orange line nest no. 3	Flew with worm down stream side. She came back and started with alarm calls and flew over ACW to W. A morepork took off. She followed the morepork still with alarm calls. But they were hardly to hear with the loud noises of the circadas.
57	24/02/2012	BM-BY	F	AN17ext./orange line nest no. 3	Fed her 1 fledgling.
58	05/03/2012	BM-BY	F	AN17ext./orange line nest no. 3	no sign. Not looking for her. Cirdadas to loud in the afternoon.
59	15/03/2012	BM-BY	F	AN17ext./orange line nest no. 3	no sign. Loud cirdadas.
60	30.03.2012	BM-BY	F	AN17ext./orange line nest no. 3 more N	Took worms + cached. Chased by GM-BO
61	22/11/2011	BM-OB	Fledgling	AN18	1. fledgling was caught + got bands.
62	27/11/2011	BM-OB	U	15m up new ACW track near AN18	Fed by M-YY
63	29/11/2011	BM-OB	F	AN18, more construction side	Fed by M-YY + wanted to mate with it.
64	04/12/2011	BM-OB	U	10m up new ACW track near AN18 baitline	Fledgling came down to ground to eat worms. Cached.
65	07/12/2011	BM-OB	F	AN18, more construction side	Fed by M-YY
66	21/02/2012	BM-OG	M?	Aviary	Caught and banded. Maybe a male.
67	24/02/2012	BM-OG	M?	Aviary	Fed by OG-RM
68	22/12/2011	Chick	U	AN17ext. nest no. 2	Dead in nest
69	2011-10-27	Fledgling		R7 to North, Nest no. 2 last season	Fed by WR-OM
70	2011-10-27	Fledgling		R7 to North, Nest no. 2 last season	Fed by WR-OM
71	22/11/2011	Fledgling		R7 to North, Nest no. 2 last season	Fed by WR-OM
72	22/11/2011	Fledgling		R7 to North, Nest no. 2 last season	Fed by WR-OM
73	22/12/2011	Fledgling	U	AN17ext. nest no. 2	Not fed by parents
74	11/01/2012	Fledgling	U	AN17/new track nest no. 4 side	Fledglings with 0,5 cm long tail feathers. Hers more active than the males' one. Not sure if there was a 3 chick. Nest was empty.

75	11/01/2012	Fledgling	U	AN17/new track nest no. 4 side	Fledglings with 0,5 cm long tail feathers. Hers more active than the males' one. Not sure if there was a 3 chick. Nest was empty.
76	24/01/2012	Fledgling	U	R7	possible fed by WR-OM
77	24/01/2012	Fledgling	U	R/	maybe fed by MW-YW
78	24/01/2012	Fledgling	U	AN19ext. nest no. 6	no sign
79	24/01/2012	Fledgling	U	AN19ext./1	Fed by GM-WY
80	24/01/2012	Fledgling	U	AN16/4	Fed by GM-BW
81	24/01/2012	Fledgling	U	AN17/new track nest no. 3 side	Fed by MO-YB
82	26/01/2012	Fledgling	U	near aviary	Fed by OG-RM.
83	26/01/2012	Fledgling	U	AN18/1	Fed by M-YY.
84	26/01/2012	Fledgling	U	AN19	Fed by GM-WR.
85	26/01/2012	Fledgling	U	AN19ext.	Fed by GM-WY
86	26/01/2012	Fledgling	U	new ACW track, 1. horseshoe	Fed by GM-BW
87	26/01/2012	Fledgling	U	new ACW track, 1. horseshoe	Fed by GM-BW. Very mobile, get only fed if the other was full.
88	26/01/2012	Fledgling	U	AN17/new track nest no. 3 side	Fed by MO-YB
89	31/01/2012	Fledgling	U	near aviary	Fed by OG-RM.
90	31/01/2012	Fledgling	U	AN18/1	Fed by M-YY.
91	31/01/2012	Fledgling	U	AN19ext left	Fed by GM-WR.
92	31/01/2012	Fledgling	U	AN19ext.	Fed by GM-WY
93	31/01/2012	Fledgling	U	AN17/new track nest no. 3 side	Fed by MO-YB
94	09/02/2012	Fledgling	U	near aviary	Fed by OG-RM.
95	09/02/2012	Fledgling	U	AN18/1	Fed by M-YY.
96	09/02/2012	Fledgling	U	AN19ext left	not followed GM-WR, so not seen
97	09/02/2012	Fledgling	U	AN19ext.	Fed by GM-WY
98	09/02/2012	Fledgling	U	new ACW track, 1. horseshoe/AN16	no sign, loud machine work
99	09/02/2012	Fledgling	U	new ACW track, 1. horseshoe	no sign, loud machine work
100	09/02/2012	Fledgling	U	AN17/new track nest no. 3 side	no sign, loud machine work
101	09/02/2012	Fledgling	U	fledgling	not followed BM-BY, so not seen
102	09/02/2012	Fledgling	U	AN17ext.	Fed by GM-BO
103	21/02/2012	Fledgling	U	AN19ext very first nest side	Fed by GM-WR
104	21/02/2012	Fledgling	U	new ACW track, 1. horseshoe/AN16	no sign, loud circadas
105	21/02/2012	Fledgling	U	new ACW track, 1. horseshoe	no sign, loud circadas
106	21/02/2012	Fledgling	U	AN17/new track nest no. 3 side	no sign, loud circadas
107	21/02/2012	Fledgling	U	fledgling	not followed BM-BY, so not seen
108	21/02/2012	Fledgling	U	AN17ext.	Fed by GM-BO

109	24/02/2012	Fledgling	U	AN19ext near old kauri	Fed by GM-WR
110	24/02/2012	Fledgling	U	AN17ext./orange line nest no. 3	Fed by BM-BY.
111	24/02/2012	Fledgling	U	AN17ext.	no sign, but loud cirdadas + machine work.
112	2011-05-28	GB-OM	F	ACW track - near T17	seen
113	02.08.2011	GB-OM	F	AN17ext.	No feeding. Took worms + cached. Chased by GM-BO.
114	04.08.2011	GB-OM	F	AN17ext. end	Took 5 worms + cached. Alone
115	09.08.2011	GB-OM	F	AN17ext. end	Took 5 worms + cached. Alone
116	12.08.2011	GB-OM	F	AN17ext.	Not looked for her.
117	2011-08-14	GB-OM	F	AN17ext/2 (was B) baitstation	ate & cached; GM-BO also there, didn't feed her but did NOT chase her either
118	16.08.2011	GB-OM	F	AN17ext.	Not looked for her.
119	20.08.2011	GB-OM	F	AN17ext. end	Took worms + cached. Looked fat.
120	24.08.2011	GB-OM	F	AN17ext. over stream, 1. nest	Incubating. Very open + visible nest. Fed by GM-BO.
121	2011-08-30	GB-OM	F	T17	Incubating. Fed by GM-BO
122	2011-09-03	GB-OM	F	T17	Incubating
123	2011-09-07	GB-OM	F	T17	Still incubating.
124	2011-09-10	GB-OM	F	AN17ext/2 baitstation	no sign
125	2011-09-14	GB-OM	F	AN17ext. nest side	no sign
126	2011-09-15	GB-OM	F	AN17ext. nest side	no sign
127	2011-05-28	GM-BO	M	ACW track - betw AN17&18	Scraped leaf litter & exposed earthworm. GM-BO had great delight in wacking it on the ground & caching
128	2011-06-19	GM-BO	M	AN17ext/B baitstation	seen
129	2011-07-23	GM-BO	M	ACW track-Hihi feeder 4	Not his territory, interest may be due to construction of new boardwalk; chased by MO-YB
130	02.08.2011	GM-BO	M	AN17ext.	No feeding. Took 6 worms + cached. Chased BM-BY.
131	04.08.2011	GM-BO	M	AN17ext.	No sign
132	09.08.2011	GM-BO	M	ACW/AN17ext.	Took 5 worms + cached.
133	12.08.2011	GM-BO	M	AN17ext.	Made feeding calls + flew down with worm in bill.
134	2011-08-14	GM-BO	M	AN17ext/1 (was A) baitstation	ate & cached; followed me to next baitstation
135	16.08.2011	GM-BO	M	AN17ext.	Took 2 worms + flew with worm down.
136	20.08.2011	GM-BO	M	AN17ext.	Not looked for him.
137	24.08.2011	GM-BO	M	AN17ext. over stream, 1. nest	Fed GB-OM.
138	2011-08-30	GM-BO	M	T17	Fed GB-OM
139	2011-09-03	GM-BO	M	T17	Invertebrates in bill
140	2011-09-07	GM-BO	M	T17	Fed chick(s).
141	2011-09-10	GM-BO	M	AN17ext/2 baitstation	Called for GB-OM constantly. Flew around calling, then unbanded female appeared. Fed 1 worm, then after pushing her over, ignored her & continued caching
142	2011-09-14	GM-BO	M	AN17ext. nest side	fed unbanded female

143	2011-09-15	GM-BO	M	AN17, 20 m before	fed unbanded female, now BM-BY
144	2011-09-18	GM-BO	M	AN17ext/2	Fed BM-BY
145	2011-09-21	GM-BO	M	AN17ext.	Fed BM-BY + chased by MO-YB
146	2011-09-24	GM-BO	M	ACW, 20m N of T17	ate 5 worms, called for female, then flew across stream with worms
147	2011-09-24	GM-BO	M	ACW, AN16ext	ate & cached. No sign of BM-BY
148	2011-09-27	GM-BO	M	AN17ext./1	fed BM-BY
149	2011-10-04	GM-BO	M	AN16 nest no. 2	In the middle of territory MO-YB + GM-BW
150	2011-10-04	GM-BO	M	AN17ext. nest no. 1	Fed BM-BY
151	2011-10-06	GM-BO	M	AN17ext. nest no. 1	BM-BY was just back in nest. So he get no worms to call her off.
152	2011-10-09	GM-BO	Male	AN17ext nest 1	Fed BM-BY
153	2011-10-11	GM-BO	M	AN17ext. nest no. 1	Fed BM-BY
154	2011-10-20	GM-BO	M	AN17ext. nest no. 1	Fed 2 chicks
155	2011-10-23	GM-BO	Male	AN17ext nest 1	Feeding chicks. Quiet
156	2011-10-25	GM-BO	M	AN17ext. nest no. 1	Fed 2 chicks
157	2011-10-28	GM-BO	Male	End of hihi knoll close to T17 junction with ACW	12h05: Took worms and left. Took some time to come back. I did not stay very long with him.
158	2011-11-03	GM-BO	M	AN17ext. nest no. 1	Fed 2 chicks
159	2011-11-06	GM-BO	Male	AN17ext/2	Ate 3 worms
160	2011-11-08	GM-BO	M	AN17ext. nest no. 1 side	Fed 2 fledglings.
161	2011-11-13	GM-BO	Male	AN18ext/1	Fed & cached
162	2011-11-15	GM-BO	M	AN17ext. nest no. 1 side	Fed his 1 fledglings.
163	2011-11-18	GM-BO	M	AN17ext. nest no. 1 side	no sign
164	22/11/2011	GM-BO	M	AN17ext. nest no. 2	Fed BM-BO
165	22/11/2011	GM-BO	M	ACW/orange line	With 2 fledglings. He fed both but only one stayed with him.
166	23/11/2011	GM-BO	M	ACW/orange line	no sign
167	27/11/2011	GM-BO	Male	ACW - T17 baitstation	took worms across stream
168	29/11/2011	GM-BO	M	ACW/orange line	Was around.
169	07/12/2011	GM-BO	M	AN17ext. nest no. 2	Chick(s) hatched. Fed chick(s).
170	10/12/2011	GM-BO	Male	ACW - AN17/1 baitstation	Took worms in direction of nest site
171	10/12/2011	GM-BO	Male	AN17ext nest 2	Fed chicks
172	20/12/2011	GM-BO	M	AN17ext. nest no. 2	Fed chick(s).
173	22/12/2011	GM-BO	M	AN17ext. nest no. 2	Flew with worms not into nest. Chick(s) fledged after 16 days.
174	27/12/2011	GM-BO	M	AN17ext. nest no. 2	No sign.

175	28/12/2011	GM-BO	M	AN17ext./orange line	Took a lots of worms + fed BM-BY + flew away with worms and made feeding calls.
176	03/01/2012	GM-BO	M	AN17ext./orange line nest no. 3	Fed BM-BY. Made alarm calls as stoat or ferret ran down to stream.
177	06/01/2012	GM-BO	Male	ACW track, 20m nth of AN17ext	Feeding female BM-BY
178	09/01/2012	GM-BO	M	AN17ext./orange line nest no. 3	I didn't wait for him.
179	11/01/2012	GM-BO	M	AN17ext./orange line nest no. 3	Fed BM-BY after 55 min.
180	21/01/2012	GM-BO	Male	Near AN17ext/1 baitstation	Took worms in direction of nest site.
181	24/01/2012	GM-BO	M	AN17ext./orange line nest no. 3	Fed 2 chicks, maybe 3.
182	26/01/2012	GM-BO	M	AN17ext./orange line nest no. 3	Fed 2 chicks, not sure about 3.
183	29/01/2012	GM-BO	Male	AN17ext nest	Fed chicks. Tried mating with BM-BY
184	31/01/2012	GM-BO	M	AN17ext./orange line nest no. 3	Fed 2 chicks.
185	09/02/2012	GM-BO	M	AN17ext.	Fed his 1 fledgling.
186	12/02/2012	GM-BO	Male	Near AN17ext/1 baitstation	Ate & cached. No sign of fledgling. Did not call for it.
187	18/02/2012	GM-BO	Male	New ACW track between horseshoe bend & boardwalk	Ate & cached. In moult, no tail. In MO-YB's territory.
188	20/02/2012	GM-BO	Male	At stoat trap 5 (hihi knoll line) at bottom of T17 (down the cliff).	The bird came signing and took worms.
189	21/02/2012	GM-BO	M	AN17ext.	Fed his 1 fledgling.
190	24/02/2012	GM-BO	M	AN17ext.	no sign, but loud cirdadas + machine work.
191	26/02/2012	GM-BO	Male	ACW, T17 baitline	Ate & cached. No tail, in moult. Flew up slope & made alarm calls. Eventually came back to ACW track. No sign of fledgling.
192	05/03/2012	GM-BO	M	AN17ext.	no sign. Loud cirdadas in the afternoon. Former ACW is dismantled.
193	15/03/2012	GM-BO	M	AN17ext.	no sign. Loud cirdadas.
194	25/03/2012	GM-BO	Male	ACW track - T17 baitline	Ate lots & cached. Very skinny compared to other robins
195	30.03.2012	GM-BO	M	AN17ext.	Proudly calling. Took worms + cached. Chased BM-BY.
196	2011-05-28	GM-BW	F	ACW track - Puketea sign near AN16	seen
197	2011-07-10	GM-BW	F	ACW track- AN16ext, Puketea sign	ate & cached
198	2011-07-23	GM-BW	F	ACW track-Hihi feeder 4	stood back, waited for MO-YB to take worms away before taking some herself
199	02.08.2011	GM-BW	F	Hihi F4	No feeding. Took 4 worms + cached. Chased by MO-YB.
200	04.08.2011	GM-BW	F	Hihi F4	Took 5 worms + cached. Alone.

201	09.08.2011	GM-BW	F	Hihi F4	Chased by MO-YB.
202	12.08.2011	GM-BW	F	Hihi F4	Took 7 worms + cached. Alone.
203	16.08.2011	GM-BW	F	Hihi F4	No sign
204	20.08.2011	GM-BW	F	Hihi F4	No feeding. No chasing. Took worms + cached. Looked very small. Shy to him.
205	24.08.2011	GM-BW	F	Entry Hihi F4	No feeding. Took worms + cached. Chased a little by MO-YB.
206	2011-08-30	GM-BW	F	AN17 1. nest	Incubating. Fed by MO-YB
207	2011-09-03	GM-BW	F	AN17 1. nest	Incubating. Fed by MO-YB
208	2011-09-07	GM-BW	F	AN17 1. nest	Not longer incubating.
209	2011-09-10	GM-BW	F	near AN17 1. nest	ate & cached, spent long time on supplejack vine, did not respond to male calling, took a bug out of a ponga, then flew off
210	2011-09-14	GM-BW	F	AN16 2. nest	fed by MO-YB. Incubating.
211	2011-09-18	GM-BW	F	AN16 nest no. 2	Incubating. Ate & cached
212	2011-09-21	GM-BW	F	AN16 nest no. 2	Fed by MO-YB. Incubating.
213	2011-09-24	GM-BW	F	AN16 nest no. 2	ate & cached. Fed by MO-YB. Incubating
214	2011-09-27	GM-BW	F	AN16 nest no. 2	Fed by MO-YB. Incubating.
215	2011-10-04	GM-BW	F	AN16 nest no. 3 possible	Fed by MO-YB and building 3. nest. 2. nest failed.
216	2011-10-06	GM-BW	F	AN16 nest no. 2	Relaxed. Took worms and cached.
217	2011-10-09	GM-BW	Female	AN16 nest 3	incubating. Fed by MO-YB
218	2011-10-11	GM-BW	F	AN16 nest no. 2	Fed by MO-YB a lots of worms.
219	2011-10-20	GM-BW	F	AN16 nest no. 2	incubating. Fed by MO-YB
220	2011-10-23	GM-BW	Female	AN16 nest 3	Incubating
221	2011-10-25	GM-BW	F	AN16 nest no. 2	incubating. Fed by MO-YB
222	2011-11-03	GM-BW	F	AN16 nest no. 2	Fed min. 2 chicks.
223	2011-11-08	GM-BW	F	AN16 nest no. 2	Fed min. 2 chicks.
224	2011-11-13	GM-BW	Female	AN16 nest 2	Fed 2 chicks. Good view of nest
225	2011-11-15	GM-BW	F	AN16 nest no. 2	Fed 3 chicks.
226	2011-11-17	GM-BW	F	AN16 nest no. 2	Fed 2 chicks.
227	2011-11-18	GM-BW	F	AN16 nest no. 2 side	Nest fledged. No sign of birds
228	20/11/2011	GM-BW	Female	Near AN17/3 baitstation	Fed fledgling
229	29/11/2011	GM-BW	F	AN16 nest no. 2 side	No sign of family but noisy construction work.
230	07/12/2011	GM-BW	F	AN17/new track to Hihi nest 4	No sign of her but noisy construction work.
231	20/12/2011	GM-BW	F	AN17/new track nest no. 4	Incubating. Fed by MO-YB + chased fledgling.
232	22/12/2011	GM-BW	F	AN17/new track nest no. 4	Incubating. Took worms + cached.
233	27/12/2011	GM-BW	F	AN17/new track nest no. 4	Fed chick(s).
234	28/12/2011	GM-BW	F	AN17/new track nest no. 4	Fed chick(s).
235	03/01/2012	GM-BW	F	AN17/new track nest no. 4	Fed 2 chicks.

236	06/01/2012	GM-BW	Female	AN17 nest off new ACW track	Feeding chicks
237	09/01/2012	GM-BW	F	AN17/new track nest no. 4	Fed 2, maybe 3 chicks.
238	11/01/2012	GM-BW	F	AN17/new track nest no. 4 side	Nest fledged. Fed her 1 fledgling. Again a nest which fledged early (ca. 4 days too early).
239	21/01/2012	GM-BW	Female	Between AN16/2 & 3 baitstation	Fed 2 fledglings. One favoured
240	24/01/2012	GM-BW	F	AN16/3	Fed her 1 fledgling.
241	26/01/2012	GM-BW	F	new ACW track, 1. horseshoe	Fed her 2 fledglings.
242	09/02/2012	GM-BW	F	new ACW track, 1. horseshoe/AN16	no sign, loud machine work
243	12/02/2012	GM-BW	Female	Near AN17/5 baitstation	Fed fledgling. Signs of about to moult.
244	18/02/2012	GM-BW	Female	New ACW track between horseshoe bend & boardwalk	Ate & cached. No sign of fledgling. Very hesitant around GM-BO.
245	21/02/2012	GM-BW	F	AN16/1 nest no. 5	Incubating. No support from MO-YB.
246	24/02/2012	GM-BW	F	AN16/1 nest no. 5 + new tk 1. horseshoe	Not incubating. Nest abandoned. Maybe without the support from MO-YB or after heavy rain yesterday.
247	05/03/2012	GM-BW	F	AN16/1 nest no. 5	no sign. Not looking for her. Cirdadas to loud in the afternoon.
248	15/03/2012	GM-BW	F	AN16/1 nest no. 5, 1. horseshoe to Anderson Stream bridge to hihi nest 4	no sign. Searching for her. Cirdadas loud. Mo-YB was calling the hole time.
249	30.03.2012	GM-BW	F	new + former ACW	no sign.
250	2011-08-26	GM-WO	F	R14/12	Fed and cached but no sign of a nest
251	2011-05-28	GM-WR	F	AN19/1 baitstation	Alarm behaviour; discovered M-YY in area
252	2011-06-19	GM-WR	F	AN19/ext behind 1,000 Kauri	Chased GM-WY
253	2011-07-10	GM-WR	F	ACW track-AN19/1 baitstation	ate & cached
254	2011-07-23	GM-WR	F	ACW track-betw AN18/19-overhanging rata tree & 1,000 Kauri	ate & cached
255	02.08.2011	GM-WR	F	AN19ext. down right	Fed by GM-WY. Building nest (layer material).
256	04.08.2011	GM-WR	F	AN19ext. down right	Fed by GM-WY. Still building nest.
257	06.08.2011	GM-WR	F	AN19ext. down right	Very relaxed, cleaned her feathers.
258	2011-08-07	GM-WR	F	AN19ext near potential nest site	ate & cached
259	09.08.2011	GM-WR	F	AN19ext. down right	Very very relaxed, cleaned her feathers. Once she was short visiting the possible nest tree.
260	12.08.2011	GM-WR	F	AN19ext. 1. nest	Fed by GM-WY. Visited often the nest.

261	2011-08-14	GM-WR	F	AN19 potential nest	ate & cached, very round looking, after 5 mins shot quickly back to nest tree area. Could be incubating
262	16.08.2011	GM-WR	F	AN19ext. 1. nest	Fed by GM-WY. Incubating.
263	20.08.2011	GM-WR	F	AN19ext. 1. nest	Took 7 worms + cached. Flew back into nest.
264	24.08.2011	GM-WR	F	AN19ext. 1. nest	Fed by GM-WY. Incubating.
265	2011-08-30	GM-WR	F	AN19ext potential 2. nest	Fed by GM-WY
266	2011-09-03	GM-WR	F	AN19ext. 2. nest	Incubating. Fed by GM-WY
267	2011-09-07	GM-WR	F	AN19ext. 2. nest	Not longer incubating. Fed by GM-WY
268	2011-09-10	GM-WR	F	AN19ext. 2. nest	Appeared to be still on nest? Fed by GM-WY then went back to nest tree
269	2011-09-14	GM-WR	F	AN19ext. 2. nest	fed by GM-WR. Incubating
270	2011-09-21	GM-WR	F	AN19ext. nest no. 2	Fed by GM-WY
271	2011-09-24	GM-WR	F	AN19ext nest no. 2	still incubating, 'bickered' with GM-WY, chasing & alarm feathers
272	2011-09-27	GM-WR	F	AN19ext nest no. 2	Fed chick(s).
273	2011-10-04	GM-WR	F	AN19ext nest no. 2	Fed chick(s). 2 maybe 3.
274	2011-10-06	GM-WR	F	AN19ext nest no. 2	Fed chick(s). 2 maybe 3.
275	2011-10-09	GM-WR	Female	AN19ext nest 2	fed chicks
276	2011-10-11	GM-WR	F	AN19ext nest no. 2	Fed chick(s).
277	2011-10-20	GM-WR	F	AN19ext	Nest fledged. Fed her 1 very agile fledgling.
278	2011-10-25	GM-WR	F	AN19ext	Not feeding fledgling. Not fed by GM-WY.
279	2011-11-03	GM-WR	F	AN19ext 3. nest	Incubating. Not fed by GM-WY.
280	2011-11-06	GM-WR	Female	AN19 baitstation	Ate many worms. Was fed by GM-WY
281	2011-11-08	GM-WR	F	AN19ext 3. nest	Incubating. Fed by GM-WY + chased fledgling.
282	2011-11-13	GM-WR	Female	Trigene tank near upper entrance to ACW	Ate & cached. Nest site AN19 nest 3
283	2011-11-15	GM-WR	F	AN19ext 3. nest	Incubating. Fed by GM-WY.
284	2011-11-17	GM-WR	F	AN19ext 3. nest	Incubating.
285	2011-11-18	GM-WR	F	AN19ext 3. nest	Incubating. Fed by GM-WY.
286	20/11/2011	GM-WR	Female	AN19 nest 3	Fed by GM-WY. Incubating
287	22/11/2011	GM-WR	F	AN19ext 3. nest	Not going into nest. Nest failed?
288	23/11/2011	GM-WR	F	AN19ext 4. nest	Building a nest.
289	27/11/2011	GM-WR	Female	AN19 nest 4	Fed by GM-WY. Ate & cached
290	29/11/2011	GM-WR	F	AN19ext 4. nest	Took worms + cached.
291	04/12/2011	GM-WR	Female	AN19 nest 4	ate & cached
292	07/12/2011	GM-WR	F	AN19ext 4. nest	Incubating. Fed by GM-WY.
293	10/12/2011	GM-WR	Female	gully near AN19	Possible new nest site.
294	20/12/2011	GM-WR	F	AN19ext. nest no. 5	Incubating. Fed by GM-WY.

295	27/12/2011	GM-WR	F	AN19ext. nest no. 5	Incubating. Fed by GM-WY.
296	28/12/2011	GM-WR	F	AN19ext. nest no. 5	Incubating. Fed by GM-WY.
297	01/01/2012	GM-WR	F	AN 19 ext.	Seen
298	03/01/2012	GM-WR	F	AN19ext. nest no. 5	Incubating. Not fed by GM-WY.
299	06/01/2012	GM-WR	Female	nest site 50m W of AN19 bait station	Incubating
300	11/01/2012	GM-WR	F	AN19ext. nest no. 5	Fed 2 chicks, maybe 3.
301	15/01/2012	GM-WR	Female	AN19 nest site	Fed chicks
302	21/01/2012	GM-WR	Female	AN19 nest site	Fed 2 fledglings & either cached or fed a 3rd fledgling??
303	24/01/2012	GM-WR	F	AN19ext. nest no. 5	no sign
304	26/01/2012	GM-WR	F	AN19	Fed her 1 fledgling.
305	29/01/2012	GM-WR	Female	East side of ACW upper entrance	Fed & cached
306	29/01/2012	GM-WR	Female	AN19 baitstation	Ate & cached. Kept back away from GM-WY. Waited until he had left before coming for worms
307	31/01/2012	GM-WR	F	AN19ext left	Fed her 1 fledgling.
308	09/02/2012	GM-WR	F	AN19ext left	Flew away with worm
309	12/02/2012	GM-WR	Female	Approx. 5m south of AN19 baitstation	Fed fledgling. Signs of about to moult
310	18/02/2012	GM-WR	Female	ACW near upper entrance/trigene station	Fed fledgling, then chased it.
311	21/02/2012	GM-WR	F	AN19ext very first nest side	Fed her 1 fledgling.
312	24/02/2012	GM-WR	F	AN19ext near old kauri	Fed her 1 fledgling.
313	05/03/2012	GM-WR	F	AN19ext	Took 6 worms before cached.
314	15/03/2012	GM-WR	F	AN19ext	Took 6 worms before cached.
315	25/03/2012	GM-WR	Female	ACW upper entrance, behind 1,000 yr old Kauri	Ate & cached
316	30.03.2012	GM-WR	F	AN19ext	Took worms before cached.
317	2011-06-30	GM-WW	F?	Between AWN12/9 at the stream	Note the green band is very hard to pick up in the shade
318	2011-07-29	GM-WW	F?	ANW/9 shift of the stream	seen
319	2011-08-16	GM-WW	F?	Between AWN12/9 at the stream	Note the green band is very hard to pick up in the shade. It followed us to AWN12/8 at the new bait station site. robin GM-WW turned up
320	2011-07-25	GM-WW ?	F?	ANW/9 nearby	robin seen a few days before 29/07/2011
321	2011-06-19	GM-WY	M	AN19/ext behind 1,000 Kauri	Chased by GM-WR
322	02.08.2011	GM-WY	M	AN19ext. down right	Fed GM-WR
323	04.08.2011	GM-WY	M	AN19ext. down right	Fed GM-WR.

324	09.08.2011	GM-WY	M	AN19ext. down right	Proudly calling. Fed not GM-WR.
325	12.08.2011	GM-WY	M	AN19ext. 1. nest	Fed GM-WR
326	16.08.2011	GM-WY	M	AN19ext. 1. nest	Fed GM-WR. Ate no worm by himself. As she were back in nest he stole one of her cached worms and called her of nest.
327	20.08.2011	GM-WY	M	AN19ext. 1. nest	Not looked for him.
328	24.08.2011	GM-WY	M	AN19ext. 1. nest	Fed GM-WR.
329	2011-08-30	GM-WY	M	AN19ext potential 2. nest	Fed GM-WR
330	2011-09-07	GM-WY	M	AN19ext potential 2. nest	Fed GM-WR
331	2011-09-10	GM-WY	M	AN19ext. 2. nest	Fed cockroach & worms to GM-WY
332	2011-09-14	GM-WY	M	AN19ext. 2. nest	fed GM-WR
333	2011-09-17	GM-WY	M	AN19ext. ?	trying to get in as many worms as possible to take away
334	2011-09-18	GM-WY	M	AN19ext nest no. 2	Fed GM-WR
335	2011-09-21	GM-WY	M	AN19ext. nest no. 2	Fed GM-WR
336	2011-09-24	GM-WY	M	AN19ext nest no. 2	fed GM-WR, chased by GM-WR, raised head feathers, lots of noise
337	2011-09-27	GM-WY	M	AN19ext nest no. 2	Fed chick(s).
338	2011-10-04	GM-WY	M	AN19ext nest no. 2	Fed chick(s). 2 maybe 3.
339	2011-10-06	GM-WY	M	AN19ext nest no. 2	Fed chick(s). 2 maybe 3.
340	2011-10-09	GM-WY	Male	AN19ext nest 2	fed chicks. Lots of 'bickering' with GM-WR.
341	2011-10-11	GM-WY	M	AN19ext nest no. 2	Fed chick(s).
342	2011-10-20	GM-WY	M	AN19ext	Nest fledged. Fed his 1 very agile fledgling.
343	2011-10-23	GM-WY	Male	Gully next to AN19	Fed fledgling. Unknown number
344	2011-10-25	GM-WY	M	AN19ext	Surprisingly he fed 2 fledglings.
345	2011-11-03	GM-WY	M	AN19ext	Fed 2 fledglings.
346	2011-11-06	GM-WY	Male	AN19 baitstation	Fed fledgling & occasionally GM-WR
347	2011-11-08	GM-WY	M	AN19ext 3. nest	Fed GM-WR + 1 fledgling.
348	2011-11-15	GM-WY	M	AN19ext 3. nest	Fed GM-WR + 1 fledgling.
349	2011-11-18	GM-WY	M	AN19ext 3. nest	Fed GM-WR
350	20/11/2011	GM-WY	Male	AN19 nest 3.	Fed GM-WR. No sign of fledgling.
351	22/11/2011	GM-WY	M	AN19ext 3. nest	Not sure if he was chasing fledgling.
352	23/11/2011	GM-WY	M	AN19ext 4. nest	Was calling + came and get attacked + chased by GM-WR.
353	27/11/2011	GM-WY	Male	AN19 nest 4	Fed GM-WR
354	29/11/2011	GM-WY	M	AN19ext 4. nest	was calling but not seen.
355	04/12/2011	GM-WY	M	AN19ext	Was calling in heavy rain and was hard to hear with invertebrates in his bill.
356	07/12/2011	GM-WY	M	AN19ext 4. nest	Fed GM-WR
357	10/12/2011	GM-WY	Male	Gully near AN19	Appeared near possible nest site. Female would not appear.
358	20/12/2011	GM-WY	M	AN19ext. nest no. 5	Fed GM-WR
359	23/12/2011	GM-WY	M	AN 19 ext.	Seen
360	27/12/2011	GM-WY	M	AN19ext. nest no. 5	Fed GM-WR

361	28/12/2011	GM-WY	M	AN19ext. nest no. 5	Fed GM-WR
362	01/01/2012	GM-WY	M	AN 19 ext.	Seen
363	03/01/2012	GM-WY	M	AN19ext. nest no. 5	Fed not GM-WR.
364	06/01/2012	GM-WY	Male	Nest 50m W of AN19 bait station	Fed & cached
365	11/01/2012	GM-WY	M	AN19ext. nest no. 5	Fed 2 chicks, maybe 3.
366	15/01/2012	GM-WY	Male	AN19 nest site	Fed chicks
367	21/01/2012	GM-WY	Male	AN19 nest site	Fed fledgling hidden in silver fern fronds
368	24/01/2012	GM-WY	M	AN19ext./1	Fed his 1 fledgling.
369	26/01/2012	GM-WY	M	AN19ext.	Fed his 1 fledgling.
370	29/01/2012	GM-WY	Male	AN19 baitstation	Took worms across gully towards last nest site
371	31/01/2012	GM-WY	M	AN19ext.	Fed his 1 fledgling.
372	09/02/2012	GM-WY	M	AN19ext.	Fed his 1 fledgling.
373	12/02/2012	GM-WY	Male	Bush just inside the ACW upper entrance, north of AN19 baitstation	No sign of fledgling. Called for it. Eventually cached.
374	21/02/2012	GM-WY	M	AN19ext.	In his moult.
375	24/02/2012	GM-WY	M	AN19ext.	Alone. In his moult. Short tail feathers.
376	05/03/2012	GM-WY	M	AN19ext.	no sign. Not looking for him. Cirdadas to loud in the afternoon.
377	15/03/2012	GM-WY	M	before upper entry ACW right	Took one worm + cached.
378	30.03.2012	GM-WY	M	before upper entry ACW right	Proudly calling. Took worms + cached.
379	2011-10-26	heard		IW7/12ish near a stream	only heard
380	2012-01-12	MB/YO	F	At the knoll (E1735607 N5916103).	Male came, eat worms and then took some with him. Meanwile, the female came (MB/YO) and took worms for herself. She stayed around. The male did not come back. 12:20-12:40
381	17/01/2012	MB-M-		R2/5	Seen. MB-M ? Could be BM-BW! But also MB- combinations possible
382	2011-07-20	MB-YG	F	R7, top of the bank	seen
383	2011-08-02	MB-YG	F	R7, top of the bank	seen
384	2011-08-07	MB-YG	female	R7/18 Top of rope	Feeding self in same area
385	2011-08-26	MB-YG	F	R7	seen
386	2011-09-09	MB-YG	F	R7	ate worms, hung around
387	2011-09-24	MB-YG	F	R7	fed by MW-YW, on way back too, 7 worms + left; maybe nest
388	2011-10-04	MB-YG	F	R7	Chased by MW-YW. Possible incubating too.
389	2011-10-20	MB-YG	F	R7, stream	Discussion with WR-OM

390	2011-10-27	MB-YG	F	R7	incubating
391	22/11/2011	MB-YG	F	R7	feeding fledglings
392	06/01/2012	MB-YG	F	R7	Chased by MW-YW. Could not confirm her with her bands.
393	24/01/2012	MB-YG	F	R7	not seen but maybe fed by MW-YW
394	28/03/2012	MB-YG	F	R7	no sign
395	2011-03-18	MB-YO	F	E1735607 N5916103	Took some worms and then hid the others. She was alone, preening herself. 11am to 11:10am
396	2011-04-20	MB-YO	F	E1735607 N5916103	She came later and took worms. Right leg didn't touch the branches. I left at 11:10am
397	2011-05-05	MB-YO	F	Hihi Knoll	no sign of robins. 2pm
398	2011-06-21	MB-YO	F	E1735607 N5916103	Female came first and took worms.
399	2011-08-02	MB-YO	F	Along Hihi knoll stoat trap, after the firststream (trap 2)	The pair was together, but the male was still chasing the female for the food.
400	2011-09-10	MB-YO	F	R0/11	ate worms
401	2011-06-30	MB-YW	M	Between AWN12/9 at the stream	seen
402	2011-08-16	MB-YW	M	Between AWN12/9 at the stream	When GM-WW left a robin with bands YW put in an appearance but could not get any other bands so think it was MB-YW
403	2011-08-26	MB-YY	M	R14/10	no sign
404	2011-08-26	MO-Y	F	R13/13	seen
405	2011-05-28	MO-YB	M	ACW track - Hihi feeder 4/H4	seen
406	2011-07-23	MO-YB	M	ACW track-Hihi feeder 4	chased GM-BO away, tolerated GM-BW, chased her a little, did not share food
407	02.08.2011	MO-YB	M	Hihi F4	No feeding. Took 4 worms + cached. Chased GM-BW.
408	04.08.2011	MO-YB	M	Hihi F4	No sign
409	2011-08-07	MO-YB	M	Hihi feeder 4	ate & cached
410	09.08.2011	MO-YB	M	Hihi F4	Proudly calling. Wanted to mate with GM-BW.
411	12.08.2011	MO-YB	M	ACW 1. woodbridge	Took 3 worms + made with 4. feeding calls.
412	2011-08-14	MO-YB	M	AN17/3 baitstation	ate, then started holding worm and calling for female; GM-BW did not appear so eventually ate worms then followed me down AN17 peeping at me the whole way
413	16.08.2011	MO-YB	M	ACW/ entry Hihi nest F4	Called with worm in his bill.
414	20.08.2011	MO-YB	M	Hihi F4	No feeding. No chasing. Took worms + cached.

415	24.08.2011	MO-YB	M	Entry Hihi F4 (before first wood bridge)	No feeding. Took worms + cached. Very proudly calling a long time. Chased a little GM-BW. Maybe he saw GM-BO because he flashed his white frontal spot + raised his breast feathers.
416	2011-08-30	MO-YB	M	AN17 1. nest	Fed GM-BW
417	2011-09-03	MO-YB	M	AN17 1. nest	Fed GM-BW
418	2011-09-07	MO-YB	M	AN17 1. nest	Took worms in bill and called.
419	2011-09-10	MO-YB	M	ACW, betw AN17 &18, AN17 side of bridge	Calling constantly, took 2 worms
420	2011-09-14	MO-YB	M	AN16	fed GM-BW
421	2011-09-18	MO-YB	M	AN16 nest no. 2	Fed GM-BW
422	2011-09-21	MO-YB	M	AN16 nest no. 2	Fed GM-BW
423	2011-09-21	MO-YB	M	ACW entry Hihi feeder 4	Chased GM-BO + BM-BY
424	2011-09-24	MO-YB	M	ACW, betw. AN15&16	ate 2 worms, then called for female
425	2011-09-27	MO-YB	M	AN16 nest no. 2	Took worms in bill and called GM-BW off nest
426	2011-10-04	MO-YB	M	AN16 nest no. 3 possible	Fed GM-BW.
427	2011-10-06	MO-YB	M	-	no sign
428	2011-10-09	MO-YB	Male	AN16 nest 3	Fed GM-BW
429	2011-10-11	MO-YB	M	AN16 nest no. 2	Fed GM-BW
430	2011-10-20	MO-YB	M	-	Fed GM-BW
431	2011-10-23	MO-YB	Male	AN16 nest 3	Fed GM-BW
432	2011-10-25	MO-YB	M	AN16 nest no. 2	Fed GM-BW
433	2011-11-03	MO-YB	M	AN16 nest no. 2	Fed min. 2 chicks
434	2011-11-06	MO-YB	Male	AN16 nest site 2	Peeped with worms in mouth. No sign of female
435	2011-11-08	MO-YB	M	AN16 nest no. 2	Fed min. 2 chicks
436	2011-11-13	MO-YB	Male	AN16 nest 2	Fed 2 chicks. Good view of nest
437	2011-11-15	MO-YB	M	AN16 nest no. 2	Fed 3 chicks
438	2011-11-17	MO-YB	M	AN16 nest no. 2	Fed 2 chicks
439	2011-11-18	MO-YB	M	AN16 nest no. 2 side	Nest fledged. No sign of birds
440	20/11/2011	MO-YB	Male	near AN17/3 baitstation	Fed fledgling.
441	27/11/2011	MO-YB	Male	AN17/4, then followed up new track to 15m before entrance at AN18 - M-YY territory	Ate & took worms away - to fledgling or cache?
442	27/11/2011	MO-YB	Male	15m up new ACW track near AN18	Took worms away towards location of fledgling/cache. Very close proximity to M-YY & fledgling BM-OB - couple of feet. Was wary of M-YY but was not chased.
443	29/11/2011	MO-YB	M	AN16 nest no. 2 side	No sign of family but noisy construction work.
444	07/12/2011	MO-YB	M	AN17/new track	Fed 2 fledglings.

445	10/12/2011	MO-YB	Male	20m up new ACW track near AN18 baitline, then down AN17 baitline	Took worms back towards territory. Followed it towards AN17 baitline, then travelled down to it. Male called with worms but nothing appeared.
446	20/12/2011	MO-YB	M	AN17/new track nest no. 4	Fed GM-BW + as fledgling arrived mostly it.
447	22/12/2011	MO-YB	M	AN17/new track nest no. 4	Flew with worms away.
448	27/12/2011	MO-YB	M	AN17/new track nest no. 4	Fed chick(s).
449	28/12/2011	MO-YB	M	AN17/new track nest no. 4	Fed chick(s).
450	03/01/2012	MO-YB	M	AN17/new track nest no. 4	Fed 2 chicks.
451	06/01/2012	MO-YB	Male	AN17 nest off new ACW track	Feeding chicks
452	09/01/2012	MO-YB	M	AN17/new track nest no. 4	Fed 2, maybe 3 chicks.
453	11/01/2012	MO-YB	M	AN17/new track nest no. 4 side	Nest fledged. Fed his 1 fledgling. Again a nest which fledged early (ca. 4 days too early).
454	15/01/2012	MO-YB	Male	new ACW track, 20m southwest of AN17 nest site	Gathered mealworms, called for fledgling, no response
455	21/01/2012	MO-YB	Male	Between AN17/3 & 4 baitstation	Fed fledgling
456	24/01/2012	MO-YB	M	AN17/new track nest no. 3 side	Fed 1 fledgling.
457	26/01/2012	MO-YB	M	AN17/new track nest no. 3 side	Fed 1 fledgling.
458	29/01/2012	MO-YB	Male	New ACW track betw horseshow bend & last nest site	Took worms in direction of AN17 baitline. Fledgling appeared. Fed fledgling
459	31/01/2012	MO-YB	M	AN17/new track nest no. 3 side	Fed 1 fledgling.
460	09/02/2012	MO-YB	M	AN17/new track nest no. 3 side	no sign, loud machine work
461	21/02/2012	MO-YB	M	AN17/new track nest no. 3 side	alone, in a huge moult. He sat on the ground and the hole time he made territory calls but very soft.
462	24/02/2012	MO-YB	M	AN17/new track nest no. 3 side	alone, in a huge moult. He sat on the ground and the hole time he made territory calls but very soft.
463	05/03/2012	MO-YB	M	AN17/ now ACW before platform	Took 5 worms before cached.
464	15/03/2012	MO-YB	M	AN17/ACW before platform, Hihi feeder 4	Took 3 worms before cached. He was calling the hole time.
465	25/03/2012	MO-YB	Male	New ACW track, near end of boardwalk after hihi feeder 4	Ate & cached
466	30.03.2012	MO-YB	M	AN17/ACW before platform, Hihi feeder 4	Proudly calling. Took worms + cached.

467	28/11/2011	MW/YO	Male	At the knoll (E1735607 N5916103).	Came and took worms. Later came back with an unbanded fledgling, rather friendly. The fledgling looked very interested by the worms but didn't take any. We stayed between 2:30pm and 3pm.
468	2012-01-12	MW/YO	Male	At the knoll (E1735607 N5916103).	Male came, eat worms and then took some with him. Meanwile, the female came (MB/YO) and took worms for herself. She stayed around. The male did not come back. 12:20-12:40
469	2011-08-20	M-WY	M	AN1	no sign
470	2011-04-20	MW-YO	M	E1735607 N5916103	Feathers looked puffy. Another bird came close (female?). He opened the wings and chased it away.
471	2011-04-20	MW-YO	M	E1735607 N5916103	Male came later. Both looked very healthy. The male showed agressivity against the female, which moved away, leaving the male the only one feeding on the worms.
472	2011-05-05	MW-YO	M	Hihi Knoll	no sign of robins. 2pm
473	2011-08-29	MW-YO		R1/14- Cascade Tk.	MW-YP ?
474	2011-10-28	MW-YO	Male	Hihi knoll (E1735607 N5916103)	11h27: Took worms and took off. Came back and did the same several times. If a nest, it is not too close as it took so time to the bird to fly to and back. From meeting place, flew to the RHS along the stream. 11h43: Took worms for himself only and when g
475	2011-11-10	MW-YO	Male	Hihi knoll (E1735607 N5916103)	Male cme and took worms, first for himself, but then took off. Then he came back and took worms , etc 5 min later, the female (WB-YO) came and ate worms. Later she left and came back, but stayed a bit away from me. Both birds came to eat worms or flew aw
476	28/03/2012	MW-YO	M	Robinson Ridge, cleaning station	came from direction of F block
477	2011-08-02	MW-YO	M	Along Hihi knoll stoat trap, after the firststream (trap 2)	The pair was together, but the male was still chasing the female for the food.
478	2011-07-20	MW-YW	M	R7, down the bank, just before stream	seen
479	2011-08-02	MW-YW	M	R7, down the bank, just before stream	seen
480	2011-08-07	MW-YW	male	R7/18 Top of rope	Taking worms+called MB-YG in
481	2011-08-10	MW-YW		R8	on R8 and they followed us down Cascade stream until the stream turns to the east
482	2011-08-26	MW-YW	M	R7	seen
483	2011-09-09	MW-YW	M	R7	no sign of MW-YW
484	2011-09-24	MW-YW	M	R7	fed MB-YG + hung around
485	2011-10-04	MW-YW	M	R7	Chasing MB-YG.
486	2011-10-11	MW-YW	M	R/ b/s 18/	Hung around

487	2011-10-20	MW-YW	M	R7	Hung around
488	2011-10-27	MW-YW	M	R7	around
489	22/11/2011	MW-YW	M	R7	feeding fledglings
490	06/01/2012	MW-YW	M	R7	Chased MB-YG. Could not confirm her with her bands.
491	24/01/2012	MW-YW	M	R7	fed fledgling or MW-YG
492	28/03/2012	MW-YW	M	R7	seen
493	2011-08-07	MW-YY	male	R7/17	Arrived and feed nest to WR-OM and then in direction of R7/18
494	2011-05-28	M-YY	M	AN18/1 baitstation	seen
495	2011-05-28	M-YY	M	AN18ext/B baitstation	Rediscovered me as I was coming back up the baitline
496	2011-05-28	M-YY	M	AN19/1 baitstation	Don't feel he followed me. I had been to lower ACW entrance & returned 30 mins later. He'd somehow searched me out.
497	2011-05-28	M-YY	M	Aviary/Hihi Feeder 3/H3	He's everywhere!
498	2011-07-10	M-YY	M	ACW track-AN18ext, fallen rimu	ate & cached
499	2011-07-23	M-YY	M	ACW track-near AN18 & fallen rimu tree	ate & cached
500	2011-07-23	M-YY	M	between AN18 golf course entrance & aviary	Chased OG-RM
501	02.08.2011	M-YY	M	Aviary	Took 3 worms + cached. One time he made soft feeding calls with worm in bill.
502	04.08.2011	M-YY	M	Aviary	No sign
503	09.08.2011	M-YY	M	Aviary	Proudly calling. Wanted to mate with OG-RM.
504	12.08.2011	M-YY	M	AN18/2	Took 3 worms + cached.
505	2011-08-14	M-YY	M	AN18/2 baitstation	ate & cached
506	16.08.2011	M-YY	M	AN18/1	Took 2 worms + cached. One time he made soft feeding calls with worm in bill.
507	20.08.2011	M-YY	M	Aviary	Took 3 worms + cached. One time he made soft feeding calls with worm in bill.
508	24.08.2011	M-YY	M	Aviary	Took worms + cached. Chased a little bit OG-RM.
509	2011-08-30	M-YY	M	AN18/2 baitstation + aviary	ate & cached. No feeding or chasing.
510	2011-08-31	M-YY	M	AN18 ?	ACW further on
511	2011-09-07	M-YY	M	AN18/2 baitstation + aviary	ate & cached
512	2011-09-10	M-YY	M	ACW, AN18 entrance, near fallen rimu tree	ate & cached
513	2011-09-14	M-YY	M	AN19ext./1 + AN18	followed me to AN18 where he get worms.
514	2011-09-21	M-YY	M	aviary	Fed OG-RM
515	2011-09-24	M-YY	M	ACW, near AN18ext	Took worms to OG-RM & nest site
516	2011-09-27	M-YY	M	AN18/1 baitstation	Took worms in bill and flew direction nest

517	2011-10-04	M-YY	M	aviary nest no. 1	Fed OG-RM.
518	2011-10-06	M-YY	M	aviary nest no. 1	Fed OG-RM.
519	2011-10-09	M-YY	M	Aviary nest 1	no sign
520	2011-10-11	M-YY	M	aviary nest no. 1	Chased by OG-RM.
521	2011-10-20	M-YY	M	aviary nest no. 1	Fed chick(s).
522	2011-10-22	M-YY	M	aviary nest no. 1	Fed 2 chicks
523	2011-10-23	M-YY	Male	Aviary nest 1	Fed chicks
524	2011-10-25	M-YY	M	aviary nest no. 1	Fed 1 chick.
525	2011-11-03	M-YY	M	aviary nest no. 1	Fed his 1 fledgling.
526	2011-11-08	M-YY	M	AN18/1	Fed his 1 fledgling.
527	2011-11-13	M-YY	Male	ACW track south of AN18	Took worms towards new track
528	2011-11-13	M-YY	Male	10m up new track from AN18	fed 2 fledglings
529	2011-11-15	M-YY	M	AN18	Fed his 1 fledgling.
530	2011-11-18	M-YY	M	AN18 nest no. 2	was around
531	20/11/2011	M-YY	Male	ACW track, 15m up new track, northern end by AN18	Fed fledgling
532	22/11/2011	M-YY	M	AN18	Was chasing the 2. fledgling. So he got caught but the 2. fledgling was not going in the trapp in the morning.
533	23/11/2011	M-YY	M	AN19	Was in a distance.
534	25/11/2011	M-YY	M	AN18 nest no. 2	Fed unbanded fledgling who came not down.
535	27/11/2011	M-YY	Male	15m up new ACW track near AN18.	Fed fledgling BM-OB
536	27/11/2011	M-YY	Male	AN18 nest 2 - near baitstation AN18/1	Fed OG-RM
537	29/11/2011	M-YY	M	AN18 nest no. 2	Fed by BM-OB + wanted to mate with it.
538	04/12/2011	M-YY	Male	10m up new ACW track near AN18 baitline	Ate & cached
539	07/12/2011	M-YY	M	AN18, more construction side	Fed BM-OB
540	10/12/2011	M-YY	Male	ACW track at corkscrew corner near AN18 baitline. Followed us to AN18 baitline/new track junction.	Ate & cached.
541	20/12/2011	M-YY	M	AN18, more construction side	Fed OG-RM
542	27/12/2011	M-YY	M	AN18 nest no. 3	Fed OG-RM
543	28/12/2011	M-YY	M	AN18 nest no. 3	Fed OG-RM
544	03/01/2012	M-YY	M	AN18 nest no. 3	Fed chick(s).
545	06/01/2012	M-YY	Male	Nest near AN18/1 bait station	Feeding chicks
546	11/01/2012	M-YY	M	AN18 nest no. 3	Fed chick(s).
547	15/01/2012	M-YY	Male	AN18 nest site	Fed chicks
548	21/01/2012	M-YY	Male	Aviary	Fed fledgling
549	24/01/2012	M-YY	M	AN18/1	Fed his 1 fledgling.
550	26/01/2012	M-YY	M	AN18/1	Fed his 1 fledgling.
551	29/01/2012	M-YY	Male	Near ACW track,	Fed fledgling

				west side of AN18 baitline	
552	31/01/2012	M-YY	M	AN18/1	Fed his 1 fledgling.
553	09/02/2012	M-YY	M	AN18/1	Fed his 1 fledgling.
554	12/02/2012	M-YY	Male	Between Hihi aviary and AN18 baitline	Ate & cached. Chased fledgling
555	18/02/2012	M-YY	Male	ACW, junction of new ACW track (AN18 baitline/fallen rimu)	Ate & cached. Sign of about to moult. No sign of fledgling.
556	21/02/2012	M-YY	M	AN18/1	no sign
557	24/02/2012	M-YY	M	AN18/1	Alone. In his moult. Short tail feathers.
558	26/02/2012	M-YY	Male	ACW, junction of AN18 baitline & new ACW track	Ate a few worms. Not particularly keen in flying much. No tail, in moult.
559	05/03/2012	M-YY	M	AN18/former ACW	no sign
560	15/03/2012	M-YY	M	AN18/former ACW	Took 4 worms + cached.
561	30.03.2012	M-YY	M	AN18/former ACW	Proudly calling. Took worms + cached.
562	2011-06-19	OG-RM	F	entrance to Aviary area	seen
563	2011-07-10	OG-RM	F	Aviary area	ate & cached
564	2011-07-23	OG-RM	F	between AN18 golf course entrance & aviary	took worm, then was chased away by M-YY
565	02.08.2011	OG-RM	F	Aviary	No feeding. Took 3 worms + cached.
566	04.08.2011	OG-RM	F	Aviary	Took 3 worms + cached. Alone.
567	2011-08-07	OG-RM	F	Hihi Aviary entrance	ate & cached
568	09.08.2011	OG-RM	F	Aviary	Chased by M-YY.
569	12.08.2011	OG-RM	F	Aviary	Threw 2 worms. She threw up which looked like a black beetle. Than she took 3 + cached.
570	16.08.2011	OG-RM	F	Aviary	No feeding. Took 2 worms + cached.
571	20.08.2011	OG-RM	F	ACW/AN18	No feeding. Took worms + cached. Chased by M-YY. First time after month on this place.
572	24.08.2011	OG-RM	F	Aviary	No feeding. Took worms + cached. Chased a little bit by M-YY.
573	2011-08-30	OG-RM	F	Aviary area	ate & cached
574	2011-09-03	OG-RM	F	Aviary area	ate & cached
575	2011-09-07	OG-RM	F	Aviary area	ate & cached
576	2011-09-10	OG-RM	F	Betw. AN18/2 baitstation & aviary	ate & cached
577	2011-09-14	OG-RM	F	aviary	ate & cached
578	2011-09-18	OG-RM	F	Near last seasons's AN18 1st nest	Ate & cached. No sign of M-YY
579	2011-09-21	OG-RM	F	aviary	Fed by M-YY
580	2011-09-24	OG-RM	F	Nest no. 1, behind aviary	fed by M-YY
581	2011-09-27	OG-RM	F	aviary nest no. 1	took worms, not so hungry. Incubating
582	2011-10-04	OG-RM	F	aviary nest no. 1	Fed by M-YY and took worms herself, not so hungry. Incubating
583	2011-10-06	OG-RM	F	aviary nest no. 1	Fed by M-YY and took worms herself, not so hungry. Incubating
584	2011-10-09	OG-RM	Female	Aviary nest 1	Fed & cached. No sign of male
585	2011-10-11	OG-RM	F	aviary nest no. 1	Chased M-YY and took worms herself,

					not so hungry. Incubating
586	2011-10-20	OG-RM	F	aviary nest no. 1	Fed chick(s).
587	2011-10-22	OG-RM	F	aviary nest no. 1	Fed 2 chicks
588	2011-10-23	OG-RM	Female	Aviary nest 1	Fed chicks occasionally mostly cached
589	2011-10-25	OG-RM	F	aviary nest no. 1	Ate worms + cached. One chick gone?
590	2011-11-03	OG-RM	F	aviary	One chick gone false. She fed her 1 fledgling.
591	2011-11-06	OG-RM	Female	Entrance to aviary	cached
592	2011-11-08	OG-RM	F	AN18	Took worms into bush.
593	2011-11-13	OG-RM	Female	10m up new track from AN18	Ate & cached
594	2011-11-15	OG-RM	F	AN18	Fed her 1 fledgling.
595	2011-11-18	OG-RM	F	AN18 nest no. 2	Building a nest in nikau leave
596	20/11/2011	OG-RM	Female	ACW track/AN18 baitline	Ate & cached
597	22/11/2011	OG-RM	F	AN18	Ate & cached
598	23/11/2011	OG-RM	F	AN18	ate worms + cached. Not incubating. He didn't feed her.
599	25/11/2011	OG-RM	F	AN18 nest no. 2	Visitid us.
600	27/11/2011	OG-RM	Female	AN18 nest 2 - near baitstation AN18/1	Ate & cached. Fed by M-YY.
601	29/11/2011	OG-RM	F	AN18 nest no. 2	Incubating. Fed by M-YY.
602	07/12/2011	OG-RM	F	AN18 nest no. 2	Nest failed (after heavy rain?).
603	10/12/2011	OG-RM	Female	Near AN18/2 baitstation	Ate & cached. Nest appears to have been abandoned.
604	20/12/2011	OG-RM	F	AN18 nest no. 3	Incubating. Fed by M-YY.
605	27/12/2011	OG-RM	F	AN18 nest no. 3	Incubating. Fed by M-YY.
606	28/12/2011	OG-RM	F	AN18 nest no. 3	Incubating. Fed by M-YY.
607	03/01/2012	OG-RM	F	AN18 nest no. 3	Flew with invertebrates into nest + sat down. Maybe very small chick(s).
608	06/01/2012	OG-RM	Male	Nest near AN18/1 bait station	Feeding chicks
609	09/01/2012	OG-RM	F	AN18 nest no. 3	Not in nest but I didn't waited for her.
610	11/01/2012	OG-RM	F	AN18 nest no. 3	Fed noisy chicks. But back into maybe to hold them dry?
611	11/01/2012	OG-RM	F	ACW upper entry	Maybe she was also interested to look which bird was making the loud begging noises. It was a fat shining cuckoo fledgling which was fed by grey warblers.
612	15/01/2012	OG-RM	Female	AN18 nest site	Fed chicks once then cached
613	21/01/2012	OG-RM	Female	East of Aviary	Fed fledgling
614	24/01/2012	OG-RM	F	near aviary	Fed her 1 fledgling.
615	26/01/2012	OG-RM	F	near aviary	Fed her 1 fledgling.
616	29/01/2012	OG-RM	Female	Patch of bush between entrance to Aviary & ACW upper entrance	Ate & cached. No sign of fledgling
617	31/01/2012	OG-RM	F	near aviary	Fed her 1 fledgling.
618	09/02/2012	OG-RM	F	near aviary	Fed her 1 fledgling.
619	12/02/2012	OG-RM	Female	Bush between Hihi aviary & ACW upper entrance	Ate & cached. No sign of fledgling
620	18/02/2012	OG-RM	Female	Bush between aviary & ACW upper entrance	Fed & cached. Dive-bombed fledgling
621	21/02/2012	OG-RM	F	Aviary/more entry upper ACW	Chased the unbanded juvenile which I guess it followed me. Both got worms.

622	24/02/2012	OG-RM	F	Aviary	Fed a begging BM-OG
623	26/02/2012	OG-RM	Female	Bush between ACW upper entrance & aviary	Ate & cached. No tail, very scruffy & in moult. Still flying around & keen for worms. No sign of banded fledgling.
624	05/03/2012	OG-RM	F	Aviary	Took one worm + cached. Tail feather ca. 2 cm.
625	15/03/2012	OG-RM	F	Aviary	Took one worm + cached.
626	25/03/2012	OG-RM	Female	Entrance to Hihi Aviary	Ate 1 worm & cached. Well fed. Not hungry
627	30.03.2012	OG-RM	F	Aviary	Took one worm + cached.
628	2011-03-01	U	U	R13 other end	robin seen in the past
629	2011-03-01	U	U	R14	robin seen in the past
630	2011-03-01	U	U	U 10	robin seen in the past
631	2011-08-02	Unbanded	F	F12	Fed by him
632	2011-08-02	Unbanded	M	F12	fed her.
633	2011-08-12	unbanded		Lone Kauri Rd directly opposite the car park for the Huia Ridge Track	pair
634	2011-08-12	unbanded		Lone Kauri Rd directly opposite the car park for the Huia Ridge Track	pair
635	2011-08-20	Unbanded	F	TA	no sign
636	2011-08-26	unbanded	F	F12/4	Easy to find; taking worms and caching
637	2011-08-26	unbanded	M	F12/4	Easy to find; taking worms and caching; feeding female
638	2011-09-04	unbanded	F	F12/5	Meeting me without calling; taking worms
639	2011-09-04	unbanded	M	F12/5	Meeting me without calling; taking worms; feeding female
640	2011-09-08	unbanded	?	AWN7 + AWN8	stream crossing between lines. Ate worms.
641	2011-09-08	unbanded	M	AWS12/4 + 5 between	pair. Ate worms.
642	2011-09-08	unbanded	F	AWS12/4 + 5 between	pair. Ate worms.
643	2011-09-10	unbanded	F	AN17ext/2 baitstation	Appeared to respond to GM-BO calling. Peeped constantly at him. Hesitant. Eventually GM-BO relented & gave her 1 worm. She continued to peep at him but was ignored
644	2011-09-11	unbanded	M	AWN3/6	sang in tree top
645	2011-09-14	unbanded	F	AN17ext. nest side	fed by GM-BO.
646	2011-09-16	unbanded	F	AWN10/7	
647	2011-09-18	unbanded	F	F12/5	Long time before she appeared once and ate a lot of worms. Might be sitting on a nest
648	2011-09-18	unbanded	M	F12/5	After long time of calling appeared twice to carry worms into the bush
649	2011-09-24	unbanded	F	F12/5	Appeared only twice over a time period of two hours; eating lots of worms
650	2011-09-24	unbanded	M	F12/5	Eating worms, caching and carrying up to three worms into the bush to the area of the nest site towards the stream and F11
651	2011-09-26	unbanded	F	AWS 10/7	
652	2011-10-01	unbanded	?	AWN3/6	Took 2 times 4 worms, break of 5 min. Followed almost till bait station 7, took 1

					worm bith short breaks 3 times.
653	2011-10-06	unbanded	U	AWN9 at Gleeson's end	Seen.
654	2011-10-10	unbanded	M	F12/5	took worms and carried lots of them in to the bush to a nesting site; female did not appear
655	2011-10-16	Unbanded	U	Cutty Grass access line. Heading east, halfway up 1st steep hill before the hill with the rope line. Approx. CG13.	Caught fleeting glimpses. Robin was following other volunteers up hill ahead of me. Confirmed by Sue (unknown surname - managing geckos) that there were no bands.
656	2011-10-25	unbanded	Male	F12/5	Ate, cached and carried worms into bush. Calling from afar after collecting worms
657	2011-10-25	unbanded	Female	F12/5	Appeared only once and voraciously ate a lot of worms
658	2011-11-12	unbanded	Male	F12/5 and F13#9	Eating worms and carrying worms into new area towards F13, numerous times. New nest or fledglings?
659	2011-11-12	unbanded	Female	F12#5	Eating worms and carrying worms into new area towards F13 2 or 3 times. New nest or fledglings?
660	2011-11-23	unbanded	U	between F9 + F10, near the stream	Seen.
661	07/12/2011	unbanded	U	KOK14#2	Unbanded bird while navigating
662	07/12/2011	Unbanded	U	AN17ext. start	Started begging like a fledgling. But GM-BO didn't fed it. Took worms direction nest but second arrivel he chased the unbanded.
663	10/12/2011	unbanded	Male	F12#4-5	Ate worms and carried worms to a fledgling several times. Fledgling sighted
664	10/12/2011	unbanded	U	F12#4	Mature fledgling being fed by F12 male robin
665	17/12/2011	unbanded	U	R12/9	Seen.
666	17/12/2011	unbanded	U	R12/15	Seen.
667	17/12/2011	unbanded	F ?	R13/13	Seen.
668	02/01/2012	unbanded	U	AWN4 between baitstation 7 and 8	It was alone and it seems to be an adult (very nice one!). I threw it some pumpkin seed but obviously it rather likes some warms...
669	06/01/2012	unbanded	Male	F12#4-5	Ate worms and fed young male bird; called/ sang for a period of 10 minutes; did not carry a "load" of worms into the bush; no female appeared
670	06/01/2012	unbanded	Male	F12#4-5	Mature fledgling/ young bird being fed by F12 male robin; sang, so may be male; took one worm
671	17/01/2012	Unbanded	U	R2/5	Seen with MB-M ? Could be BM-BW! But also MB- combinations possible
672	09/02/2012	unbanded	U	on CG access line at CGS13 level.	2 unbanded birds (we think), one looked scurfier than the other one. We didn't have worms so they didn't come very close.
673	09/02/2012	unbanded	U	on AW access line at AWS8	
674	09/02/2012	unbanded	U	on AW access line	

				at AWS10	
675	19/02/2012	unbanded	Female	F12#5	Took a lot of worms but behaved very cautiously. No caching
676	22/02/2012	unbanded	U	IW12/6	youngish looking female
677	25/03/2012	unbanded	M	AW access line rat monitoring station 26	He was calling. We tapped + he appeared after a while + took mealworms.
678	26/03/2012	unbanded	M	AW access line rat monitoring station 26	He was calling. I tapped + he appeared after a while + took mealworms.
679	27/03/2012	unbanded	U	IW12/1-7	no sign
680	2011-08-02	Unbanded ?	?	R13/7	Took no worms. High in a tree.
681	2011-09-15	unbanded ?	?	AWN5/7	At midday, at bait station AWN5/7 just then renumbered from AWN5/7, on the south side of the Gleason Stream. It didn't come close.
682	26/03/2012	unbanded adult	M	G8 rat monitoring tunnel, around the nth end of G14 baitline	
683	26/03/2012	unbanded adult	U	nth end of G16 rat monitoring tunnel	
684	2011-11-06	Unbanded fledgling	U	AN19 baitstation	Fed by GM-WY
685	2011-11-08	Unbanded fledgling	U	AN19ext.	Not fed by GM-WY which still fed the other fledgling.
686	2011-11-13	Unbanded fledgling	U	10m up new track from AN18	Fed by M-YY. Calm & quiet. Came up to me
687	2011-11-13	Unbanded fledgling	U	10m up new track from AN18	Fed by M-YY. Calm & quiet
688	2011-11-13	Unbanded fledgling	U	10m up new track from AN18	Fed by M-YY. Calm & quiet. Picked around on ground where I had been throwing worms
689	2011-11-15	Unbanded fledgling	F?	AN18	M-YY came with invertebrates and wanted to mate with fledgling of OG-RM.
690	2011-11-15	Unbanded fledgling	U	AN18	Fed by M-YY
691	2011-11-15	Unbanded fledgling	U	AN19ext.	no sign of her fledgling
692	2011-11-15	Unbanded fledgling	U	AN17ext. nest no. 1 side	Fed by BM-BY
693	2011-11-15	Unbanded fledgling	U	AN17ext. nest no. 1 side	Fed by GM-BO
694	2011-11-17	Unbanded fledgling	U	AN16 nest no. 2	Chick fledged in the early morning.
695	2011-11-18	Unbanded fledgling	F?	AN18	no sign
696	2011-11-18	Unbanded fledgling	U	AN18	no sign
697	2011-11-18	Unbanded fledgling	U	AN19ext 3. nest side	no sign of his fledgling
698	2011-11-18	Unbanded fledgling	U	AN17ext. nest no. 1 side	no sign of her fledgling
699	2011-11-18	Unbanded fledgling	U	AN17ext. nest no. 1 side	no sign of his fledgling
700	20/11/2011	Unbanded fledgling	U	ACW track, 15m up new track, northern end by	Fed by M-YY

				AN18	
701	20/11/2011	Unbanded fledgling	U	Near AN17/3 baitstation	Fed by MO-YB
702	20/11/2011	Unbanded fledgling	U	Near AN17/3 baitstation	Fed by GM-BW
703	22/11/2011	Unbanded fledgling	U	AN19ext 3. nest side	Not sure if chased.
704	22/11/2011	Unbanded fledgling	U	ACW/orange line	With a 2. fledgling + fed by GM-BO.
705	22/11/2011	Unbanded fledgling	U	ACW/orange line	With a 2. fledgling + fed by GM-BO.
706	22/11/2011	Unbanded fledgling	U	AN18	2. fledgling was caught in the afternoon but escaped.
707	23/11/2011	Unbanded fledgling	U	AN18	Ate worms + cached. Get caught + were released.
708	23/11/2011	Unbanded fledgling	U	ACW/orange line	no sign of his fledgling
709	23/11/2011	Unbanded fledgling	U	ACW/orange line	no sign of her fledgling
710	25/11/2011	Unbanded fledgling	U	AN18	Fed by M-YY
711	29/11/2011	Unbanded fledgling	U	AN18	no sign
712	29/11/2011	Unbanded fledgling	U	AN19ext 4. nest side	no sign of fledgling
713	29/11/2011	Unbanded fledgling	U	ACW/orange line	GM-BO came back with both fledglings.
714	29/11/2011	Unbanded fledgling	U	ACW/orange line	GM-BO came back with both fledglings.
715	20/12/2011	Unbanded fledgling	U	AN17/new track nest no. 4	Fed by MO-YB + chased by GM-BW
716	06/01/2012	Unbanded fledgling	U	R7	Feed by WR-OM
717	06/01/2012	Unbanded fledgling	U	R7	parents f MB-YG + m MW-YW
718	21/01/2012	Unbanded fledgling	U	East of aviary	Fed by OG-RM
719	21/01/2012	Unbanded fledgling	U	Aviary	Fed by M-YY
720	21/01/2012	Unbanded fledgling	U	AN19 nest site, hidden in silver tree fern	Fed by GM-WY & GM-WR. Very young. Did not fly around.
721	21/01/2012	Unbanded fledgling	U	AN19 nest site, in tree	Fed by GM-WR. Very young, lots of fluffy feathers still. Did not fly around. Took photo of it
722	21/01/2012	Unbanded fledgling	U	Between AN16/2 & 3 baitstations	Fed by GM-BW. Flew around a little. Favoured by GM-BW
723	21/01/2012	Unbanded fledgling	U	Between AN16/2 & 3 baitstation	Fed by GM-BW. Lot of flying around. Not fed as frequently as other fledgling
724	21/01/2012	Unbanded fledgling	U	Between AN17/3 & 4 baitstation	Fed by MO-YB
725	24/01/2012	Unbanded fledgling	U	R2/7&6	Fed by BM-BW
726	29/01/2012	Unbanded fledgling	U	East side of ACW upper entrance	Sat in tree, fed by GM-WR once
727	29/01/2012	Unbanded fledgling	U	New ACW track betw horseshoe bend and last nest site	Fed by MO-YB. Sat in tree
728	29/01/2012	Unbanded	U	Near ACW track,	Fed by M-YY. Very quiet. Spent a lot

		fledgling		west side of AN18 baitline	of time near ground. Also came within a metre of recorder. Not scared.
729	12/02/2012	Unbanded fledgling	U	Near AN17/5 baitstation	Fed by GM-BW
730	12/02/2012	Unbanded fledgling	U	Approx. 5m south of AN19 baitstation	Fed by GM-WR. Quiet, came down to ground.
731	12/02/2012	Unbanded fledgling	U	Between Hihi aviary & AN18 baitline	Came down to ground & ate mealworms. Chased by M-YY
732	12/02/2012	Unbanded fledgling	U	Between Hihi aviary & AN18 baitline, close to golf course border	Flew around in tree with other fledgling.
733	18/02/2012	Unbanded fledgling	U	ACW track, river side, near last nest, between AN17ext & 18ext baitlines	Fed by BM-BY
734	18/02/2012	Unbanded fledgling	U	ACW near upper entrance/trigene station	Fed by GM-WR, then chased
735	18/02/2012	Unbanded fledgling	U	Bush between aviary & ACW upper entrance	Ate worms from ground. Dive-bombed by OG-RM.
736	21/02/2012	unbanded juvenile	M?	Aviary	Started with some calls. Came to the ground + took worms. Later chased by OG-RM.
737	2011-10-06	unidentified	U	along AWN7 to 6	Heard but not seen
738	24/01/2012	unidentified	U	Cascade Tk stream crossing	hung around + BM-BW with fledgling
739	05/02/2012	unidentified	U	AWS10, E1736690 N5912650	no band visible
740	08/03/2012	unidentified	M	AWS10/6	08-14/03/2012 singing most mornings. Distance to AWS10/8 200 m
741	08/03/2012	unidentified	M	AWS10/8	08-14/03/2012 singing most mornings. Distance to AWS10/6 200 m
742	22/03/2012	unidentified	U	adjacent to AWS7/3	Hopped in to check us out then flew off
743	25/03/2012	unidentified	U	F0/1	15-23/03/2012 singing most mornings. Distance to R0/10 150 m
744	25/03/2012	unidentified	U	R0/10	15-23/03/2012 singing most mornings. Distance to F0/1 150 m
745	28/03/2012	unidentified	M	R1	heard from the area towards the steep steps
746	28/03/2012	unidentified	M	Cascade before line R0 + looking towards UK	heard
747	20/02/2012	WB-YO	Female	Hihi knoll (E1735607 N5916103)	11:25, female arrived and took worms. 11:30 male (MW-YO) came and took worms, then took off. female stayed around. Both birds were moulting. We left at 11:45
748	2011-08-20	WG-OM	F	AN1	no sign
749	2011-07-20	WR-OM	F	R7, across the stream by stoat trap	seen
750	2011-08-02	WR-OM	F	R7, across the stream by stoat trap	seen

751	2011-08-07	WR-OM	female	R7/17	Feeding self. And leaving worms 'inviting' MW-YY to feed her
752	2011-08-26	WR-OM	F	R7	no sign
753	2011-09-09	WR-OM	F	R7 across the stream	ate worms, hung around
754	2011-09-24	WR-OM	F	R7 across the stream	ate worms, left after 10 min., maybe nest
755	2011-10-04	WR-OM	F	R7 across the stream. Nest no. 1	Incubating.
756	2011-10-20	WR-OM	F	R7 across the stream. Nest no. 1	Feeding chicks, discussion with MB-YG
757	2011-10-27	WR-OM	F	R7 to North, Nest no. 2 last season	Feeding 2 fledglings
758	22/11/2011	WR-OM	F	R7 to North, Nest no. 2 last season	Feeding 2 fledglings
759	06/01/2012	WR-OM	F	R7	Feeding chick?
760	24/01/2012	WR-OM	F	R7	possible fed fledgling
761	28/03/2012	WR-OM	F	R7	seen
762	2011-08-10	WR-OM		R8	on R8 and they followed us down Cascade stream until the stream turns to the east
763	2011-08-26	Y ?	M	R14/8	At R14/11 we heard a male ca. 100m away, went to R14/10, then cut down to the stream, crossed + climbed up. It had a yellow band.
764	2011-08-26	Y ?		R13/7	We could see it had a yellow band but no other bands
765	2011-08-03	-		Hihi Knoll	no sign of robins
766	2011-08-03	-		R5	no sign of robins
767	2011-08-03	-		F8	no sign of robins
768	2011-08-05	-	-	U10	no sign of robins seen or heard today (wet)
769	2011-08-26	-		W21	no sign of robins seen or heard
770	2011-08-26	-		Rosella	no sign of robins seen or heard
771	2011-08-26	-		U10/6	no sign of robins seen or heard
772	2011-09-08	-	-	L2	no sign of robins. nothing heard or seen
773	2011-10-11	-		R2	no sign
774	2011-10-11	-		R5	no sign
775	17/12/2011	-	F	R1-R2 Cascade Tk	Heard but not seen
776	17/12/2011	-	M	R1-R2 Cascade Tk	Heard but not seen
777	2011-08-31	---YO ?	?	AN16	---YO saw a robin near AN16 with Yellow over Orange on right leg
778	2011-08-04	?	?	AWN13or AWS13?	robin heard
779	2011-08-08	?	?	L2	robin heard
780	2011-08-10	?		Cascade Stream untill R8	calls on both sides of Cascade stream
781	2011-08-10	?		calls on the true left of Robinsons stream and on both sides of Cascade stream	calls on the true left of Robinsons stream and on both sides of Cascade stream
782	2011-08-26	?	M	U10/4	Robin started to sing but we could not get it to come in
783	2011-08-26	?	M	R13/14	heard

784	2011-08-26	?	M	R13/12-8	then crossed the stream and up over the top and dropped down to another stream and heard a robin calling
785	2011-09-08	?		on the true left of Robinsons stream	calls on the true left of Robinsons stream
786	2011-07-21	banded	?	between K10#4-K10#5	one robin seen and heard
787	2011-08-29	banded	?	R1/10	unable to get bands
788	17/12/2011	banded	M ?	R13/19	Seen. Shy?