

Koala Tagging and Monitoring Program Services for Moreton Bay Rail NCHD 2834

Monthly Report (Part A)

June 2016

Department of Transport and Main Roads

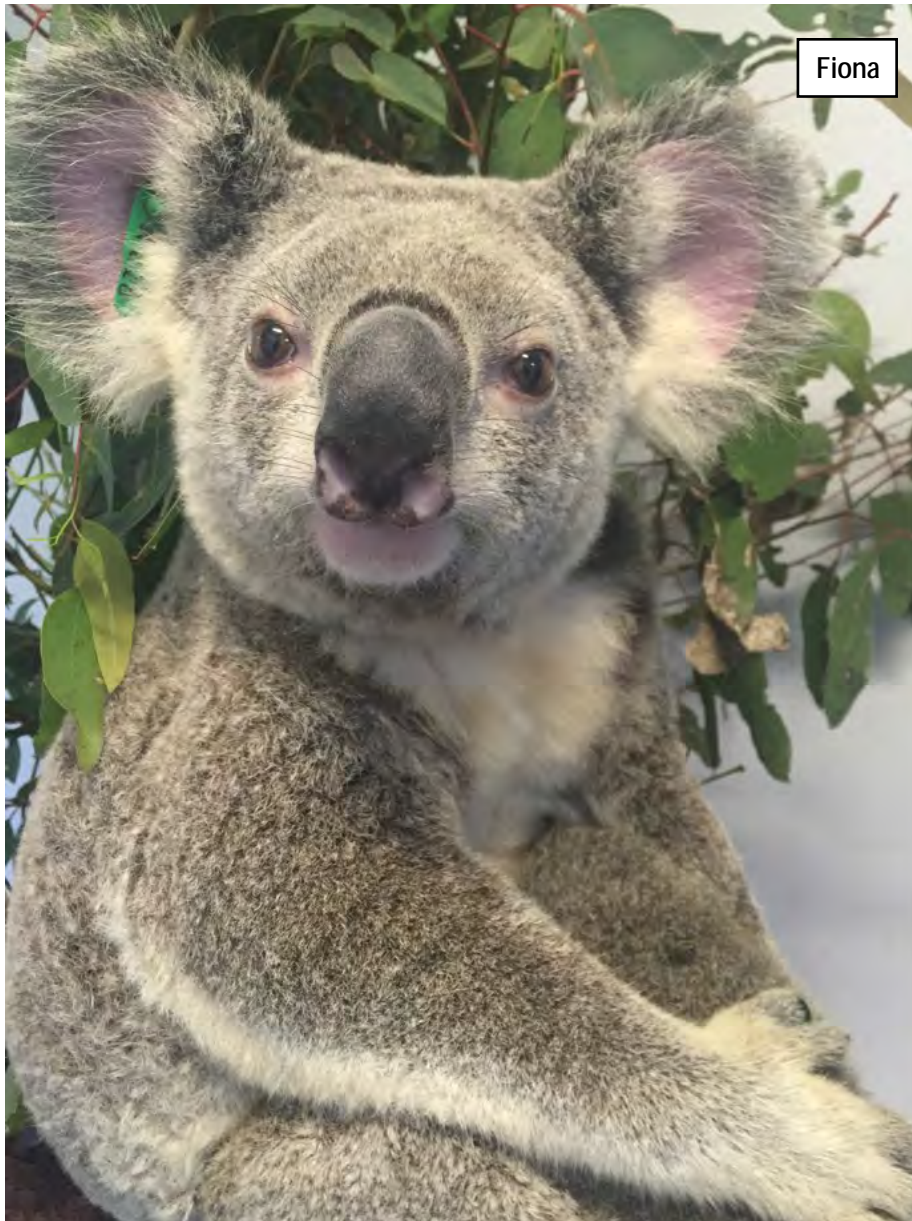


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Joey of Portia

1. June 2016 Summary

Total no. koalas that have received a veterinary examination since the KTMP's inception (as of 30/06/16) = 503

217 male: 285 female: 1 intersex

Total new koalas that entered the KTMP (June 2016) = 1

Number of koalas currently monitored (as of 30/06/16) = 120

Number of koalas found dead in the field (June 2016) = 1

Number of koalas died in care/euthanased (June 2016) = 0

2. Fieldwork

There was one sighting of an untagged koala in June 2016 for which a capture was not attempted. This male koala had a blue ear tag and was one of the koalas that was recently removed from the KTMP. We are no longer recruiting new koalas to the Program. The exceptions are:

- untagged koalas at the Griffin site; and
- the tagging of dependent juveniles and recently independent young of previously tagged females (site dependent).

The capture success rate of new koalas to the Program in June for all polygons and the Griffin translocation site was 1/1 (100%). This was:

- 1 sighting/capture attempt of a joey nearing independence opportunistically at Kippa-Ring. This capture was successful.

3. Veterinary Update

Koalas in care at the Australia Zoo Wildlife Hospital (AZWH)

No tagged koalas were in care at the AZWH at the end of June 2016.

Koalas in care at EVE veterinary facilities

Name:	FU
Polygon/Site:	Kippa-Ring
Date of Examination:	15/06/16
Reason for Capture:	Recheck previous health concern
Veterinary Findings:	Otitis externa and otitis media (right ear). Approx. 6-7 month old pouch joey.
Outcome:	Admitted to EVE for treatment.



Koalas in care with a koala carer

Name: SAMMY
Polygon/Site: Kippa-Ring
Date of Examination: 01/12/15
Reason for Capture: Captured with “supposed” mother *Karen* who was due for a tag check.
Veterinary Findings: *Sammy*, who was approximately 6-7 months of age at the time of capture, was too young to be *Karen*’s biological joey (*Karen*’s joey should have been around 10-11 months of age at the time of her capture). Another female, *Aerona*, with a home range overlapping with *Karen* was missing her approximately 6-7 month old joey.
Outcome: *Sammy* reunited with biological mother *Aerona* (as she was still lactating) and “adoptive” mother *Karen* was pregnant and about to give birth to a new joey. During the reunite effort, *Aerona*’s milk supply dried up and *Sammy* was sent to a registered koala carer for ongoing care.



Releases of KTMP koalas following treatment/care at AZWH/EVE

Name: **BOBBY**
Polygon/Site: Amcor
Date of Examination: 02/11/15
Reason for Capture: Found alone and separate to mother *Robyn* at multiple monitoring events. Fair to poor body condition. Approximately 10-11 month old joey at the time.
Veterinary Findings: Fair to poor body condition.
Outcome: *Bobby* was initially sent to a registered koala carer to improve in body condition. He was later transferred to the free-range pre-release enclosure at EVE and then released back near his point of capture on 9/6/16.

Name: **KEANU**
Polygon/Site: Kippa-Ring
Date of Examination: 02/12/15
Reason for Capture: Female koala *Karen* was missing her approximately 10-11 month old male joey and had “adopted” another koala’s approximately 6-7 month old joey. A targeted search was conducted to try to locate *Karen*’s biological joey. A juvenile koala *Keanu* was found in *Karen*’s home range that matched the age and sex of *Karen*’s biological joey.
Veterinary Findings: Orphan, but otherwise healthy.
Outcome: Samples collected for DNA analysis to confirm parentage. *Keanu* was initially sent to a registered koala carer for ongoing care. He was later transferred to the free-range pre-release enclosure at EVE and then released back near his point of capture on 30/6/16.



Name: **CYRUS**
Polygon/Site: Amcor
Date of Examination: 28/6/16
Reason for Capture: During routine monitoring, *Cyrus* was observed moving along a lateral tree branch. Appeared to have lost footing, slipped and fell 18m.
Veterinary Findings: Lameness right hind leg, haemoabdomen, approx. 5-6 month old pouch joey (unharmed).
Outcome: Admitted to EVE for treatment/observations. Taken to AZWH for x-rays (no obvious fractures). Lameness resolved the day following tree fall. No further concerns. Released back at point of capture on 30/6/16.

Koalas euthanased at first veterinary examination

No koalas were euthanased at their first veterinary examination in June 2016.

Koala deaths during monitoring (includes immediate euthanasia by a veterinary hospital)

Name: **ROCKET**
Polygon/Site: Amcor
Found Dead: 30/06/16
Circumstances: Found dead during routine tracking. No premonitory signs. Fresh carcass.
Necropsy Findings: Dropped in body condition (BCS 4) and lost 750g since release from care. Markedly dehydrated. Lungs dark and severely congested with early consolidation. Dehydrated ingesta in caecum/proximal colon. Stomach empty.
Cause of Death: *Rocket* suffered an acute, fulminating illness, possibly associated with the recent severe weather events (prolonged rain and cold weather). The illness caused profound, acute dehydration and inanition. Histologically, there was early gastric ulceration, and lymphoid depletion, which is suggestive of chronic stress, possibly as a result of maladaptation to release back to the wild. (*Rocket* was a hand-reared orphan).

Koalas euthanased/died after a period of hospitalisation

No koalas were euthanased/died after a period of hospitalisation in June 2016.

4. Current Month Learnings and Findings

Chlamydial Disease Prevalence

Inferred chlamydial disease prevalence is based on initial veterinary examinations. These do not represent a measure of prevalence at a single moment in time, because we cannot catch every koala at once. Disease prevalence changes over time, particularly because we are actively treating and managing chlamydial disease and infection in the koala population. Therefore, the figures for prevalence given below should be considered inferred prevalence for periods of time, based on the initial examinations of koalas (for the first 12-month period). More detailed assessment and analysis of disease prevalence for the final project report will lead to more accurate information on disease prevalence and its change over time.

Chlamydial disease prevalence - whole site: 68/270 (25%) (based on initial examination of all independent koalas conducted in the first 12 months of the project- 18/03/13-17/03/14). This figure does not include koalas from Scouts or Griffin as capture efforts had not commenced at these sites within this period.

Amcor: 19/132 (14%) (based on initial examination of all independent koalas conducted in the first 12 months of the project)

Bruce Hwy West: 10/27 (37%) (based on initial examination of all independent koalas conducted in the first 12 months of the project)

Mango Hill: 2/8 (25%) (based on initial examination of all independent koalas conducted in the first 12 months of the project)

Kinsellas Rd: 4/8 (50%) (based on initial examination of all independent koalas conducted in the first 12 months of the project)

Rothwell: 4/7 (57%) (based on initial examination of all independent koalas conducted in the first 12 months of the project)

Kippa-Ring: 29/88 (33%) (based on initial examination of all independent koalas conducted in the first 12 months of the project).

Intensive capture efforts of koalas at the Scouts and Griffin sites occurred in 2014 over a short timeframe. Therefore, all koalas captured at these sites (excluding recently tagged joeys and untagged koalas captured for welfare purposes) have been included in the prevalence calculations below.

Griffin: 2/11 (18%) (based on initial veterinary examination for all of those koalas as captured within a short timeframe)

Scouts: 19/32 (59%) (based on initial veterinary examination for all of those koalas as captured within a short timeframe)

Currently, the disease prevalence (as of 30 June 2016) based on last veterinary examinations or knowledge of every tagged koala currently in the Program PLUS joeys in foster care is **0/122 (0%)**.

*Refer to Appendix 2 for a summary of the health statistics

As of 30 June 2016:

- o 120 koalas were being monitored in the field at Amcor, Kippa-Ring, Bruce Highway West, Mango Hill, Rothwell and Griffin;
- o 0 tagged koalas were in care at Australia Zoo Wildlife Hospital;
- o 1 koala was in care at EVE;
- o 1 koala was in care with a foster carer;
- o 167 koalas have been found dead during the monitoring period (body or body parts found);
- o 38 koalas have disappeared (no body or body parts found). Of these, 36 are suspected wild dog predations due to location of tags, bite marks on tags or other evidence of dog activity, 1 is a suspected death from vehicle trauma, and 1 has no signal on its VHF tags;
- o Of the above two categories, 38 koalas have been categorised as “suspect wild dog predation” based on the circumstances and evidence, two of which had some remains found;
- o 77 koalas have been euthanased or died in care due to illness or trauma (either at their first veterinary examination or a subsequent examination, or during hospitalisation);
- o 3 koalas were captured for welfare reasons but never monitored as part of the KTMP because maximum permitted numbers of koalas were already being monitored at the Scouts translocation site (*Jamboree, Tristan and Daffy*);
- o 1 koala was captured as it was suspected to be one of the koalas that had slipped its tags (similar size and in the same area), but was released without tags when it was determined that it was a new koala and no new koalas were being added to the program (Speedy);
- o 49* koalas were removed from the KTMP as they no longer resided in the polygons or were no longer relevant to ongoing monitoring programs;
- o 30 koalas from the Scouts translocation site were removed from the KTMP due to project wind down.
- o 16 koalas were removed from the KTMP as they have never been located after slipping their tags.

*Note: two additional koalas were removed from the KTMP but were later reported by AZWH or koala rescue group as being hit and killed by cars (*Nuelli and Rambo*). They have been included in the “koalas found dead during the monitoring period” category above.

Causes of mortality	Amcor	Bruce Highway West	Kinsellas Rd	Kippa-Ring	Mango Hill	Rothwell	Griffin	Scouts	TOTALS
Killed by a wild dog	69	8	1	23	3	2	8	2	116
Killed by a carpet python	16	1		2					19
Killed by domestic dog	2			2					4
Killed by dog (unable to confirm whether domestic or wild dog)				1					1
Hit by vehicle	6	1		1		1			9
Hit by train	1								1
Trauma - other	2			1	1			1	5
Illness*	26	6	2	27	2	1	3	15	82
Old-age-related	1								1
Misadventure				1					1
Unknown cause of death	2							1	3
Suspected hit by vehicle		1**							1
Suspected wild dog predation***	11	2	1	20		1	3		38
TOTALS	136	19	4	78	6	5	14	19	281

Table 1: Causes of mortality for each Koala Search Polygon (March 2013 - June 2016)

*Note: This classification includes all koalas that have been euthanased or have died due to illness

**Note: classification based on: a) a koala rescue group received a call about a hit by car koala in the area of the missing koala's last known location, b) no signals able to be obtained on the koala's tags, and c) a broken collar housing found on the side of the road close to where the koala was last seen.

***Note: a classification of suspected wild dog predation may be due to location of tags (eg found away from usual home range), bite marks on tags or other evidence of dog activity (in most cases, no body/remains have been found to confirm predation)

Table 2 provides a summary of the KTMP koalas with home ranges that overlap or are very close to the rail corridor.

Polygon	No. Koalas With Home Range Overlapping or Very Close to Rail Corridor	No. Koalas With Home Range <u>Away</u> from Rail Corridor
Amcor	23 Barnacles, Bates, Bobby, Cyrus, Davey, Fiona, Geisha, Isabel, Jerilly, Jim, Lana, MacGyver, Maisie, Moscow, Old Bean, Patricia, Portia, Robyn, September, Siva, Taz, The Dursk, Winnie.	4 Christoph, Disco, Hayden, Henderson.
Bruce Highway West	9 Broadley, Jen, Mali, Nikandros, Nyx, Paige, Paper, Pink, Sparkles.	1 Jeramiah.
Mango Hill	5 Blu, Cherry, Tiny Dancer, Tuco, Walker.	0
Kinsellas Rd	0	0
Rothwell	1 Venom.	2 Tanja, Wolf.
Kippa-Ring	45 Alexander, Ali, Alistair, Amelia, Anita, Astra, Bicko, Bubbles, Carmin, Cindy, Circe, CJ, Cora, Courtney, D Smurf, Fu, Gamora, Gauthier, Helen, Igor, Indigo, Ireland, Janet, Josie, Kyarna, Leia, Lofaro, MacNish, Madison, Manfred, O'Dea, Olive, Peter, Petro, Pudding, Rainbow, Squeek, Swepon, Tamara O, Teena, Thunder, Wayne, Willie, Winky. Currently missing: Hazzard	12 Aida, Alice, JC, Keanu, Paddy, Petal, Pyne, Regina, Theo, Troy, Walt, Willow.
Total	83	19

Table 2: Summary of koala home ranges in relation to the rail corridor (March 2013 to June 2016)

Koalas that have slipped their bio-telemetry and/or VHF telemetry device or lost koalas (slipped tag or unable to obtain signal)

- *Hazzard*- tracked on 30/6/16 and no signals were able to be detected from his collar or ankle. Field staff conducted broad searches of his home range and surrounding areas using radio-telemetry, but he was not located. Searches will continue in July.

Note: ongoing attempts will be made to find and re-capture koalas that have lost their telemetry devices if they are relevant to ongoing monitoring programs.

Koalas found after slipping their telemetry device

- *O'Connor*- juvenile collar found on ground on 8/6/16. A search was conducted and he was quickly located approximately 35m from the location of his dropped collar in a tree that was suitable for a capture attempt. He was successfully recaptured and refitted with a collar.

Koalas removed from the Koala Tagging and Monitoring Program

Koalas no longer monitored as they reside away from the rail corridor or are no longer relevant to ongoing monitoring programs:

- *Princess Shrek* – removed from the KTMP on 3/6/16
- *Aerona* – removed from the KTMP on 7/6/16
- *Karen*- removed from the KTMP on 8/6/16
- *Coco*- removed from the KTMP on 8/6/16
- *Cowboy*- removed from the KTMP on 9/6/16
- *Tonia*- removed from the KTMP on 30/6/16



Koalas suspected dead (eg VHF device found well away from usual home range) but cannot be confirmed

- *GeeGee* - VHF anklet found on the ground on 11/9/13 but away from her usual home range. The velcro was open. *GeeGee* is a suspected wild dog predation.
- *Melaleuca* - VHF collar found on ground on 15/9/13 within her usual home range, but with no sign of *Melaleuca* in the immediate area. Her ear tag was found approximately two weeks later, 550m to the south-west and well outside her usual home range. Based on the timing and location of *Melaleuca*'s dropped tags, her disappearance is a suspected wild dog predation.
- *Shell* – VHF anklet found on the ground on 1/10/13 but away from her usual home range. Her home range had always been in the Amcor polygon, however her anklet was found across Dohles Rocks Rd in the Bruce Highway West polygon. A few months after *Shell*'s anklet had been located, her non-functioning collar was found in the bush (also in the Bruce Highway West polygon). A koala skull was found adjacent to the collar. *Shell* is a suspected wild dog predation.
- *David F* - VHF anklet found on 19/11/13 away from his usual home range (in the middle of the grey rubbish piles near the mill). Field personnel were unable to obtain a signal on his anklet at around the same time that koala *My* went missing (*My*'s remains were found- by her VHF anklet- confirmed wild dog predation). *David F* is a suspected wild dog predation.
- *Barb* – Koala *Barb*'s anklet was found lying in long grass away from her usual tracking locations on 22/11/13. The anklet was separated from the velcro. The location of the velcro and the anklet were quite close to where koala *My*'s remains were found on 19/11/13. Koala *Barb* was last seen alive on 19/11/13. She is a suspected wild dog predation.
- *Doddy*- anklet and collar were found a reasonable distance apart on the 13/1/14 and 16/1/14. *Doddy* is a suspected wild dog predation.
- *Phill*- Koala *Phill*'s collar and anklet were found together in bushland behind residential development on 16/1/14, with no body or remains found. On the 9/12/14, *Phill*'s ear tag was found at the edge of bushland approximately 350m to the south-west of his tag locations. *Phill*'s disappearance is a suspected wild dog predation.
- *Zoe*- Koala *Zoe*'s anklet and collar were found a reasonable distance apart on 23/1/14. *Zoe*'s disappearance is suspected to be the result of wild dog predation.
- *Randall*- Koala *Randall*'s collar and anklet were found a reasonable distance apart on the 24/2/14. He is a suspected wild dog predation.
- *Angus*- Koala *Angus*' anklet (from the Kippa-Ring polygon) was found dropped on the ground during routine radio-tracking. A few days later a caecum was found in the general area of the anklet (however this was not noticed on the day the anklet was located). *Angus* is a suspected wild dog predation.
- *Ella*- Koala *Ella*'s anklet was found well outside her usual home range on the 10/3/14. *Ella* and her young have not been found during searches of the area. While no body parts were found, *Ella* is a suspected wild dog predation.
- *Mitch*- (from the Griffin site) (anklet not functioning from 21/4/14, but *Mitch* was still able to be opportunistically located until the 28/4/14). A fresh caecum was located on 30/4/14 near where *Mitch* had been located previously. *Mitch* is a suspected wild dog predation.
- *Pepper*- Koala *Pepper*'s collar was found well outside her usual home range (Kippa-Ring polygon) and well away from her last sighting and the location of her anklet (no body parts were found). *Pepper* is a suspected wild dog predation.
- *Trapper*- Koala *Trapper*'s anklets were found on the ground on the same day during routine monitoring (Kippa-Ring polygon). The anklets were located 20m apart; however, it is unusual that both anklets would have slipped off *Trapper* at the same time, or within such a short time period. *Trapper* is a suspected wild dog predation.

- *River*- The telemetry tags of koala *River* (from the Kippa-Ring polygon) were found well away from her usual home range on 15/5/14, however there was no sign of her body or any remains in the vicinity. *River* is a suspected wild dog predation.
- *Kayla*- Koala *Kayla*'s bio-telemetry collar was found on vegetation amongst the mangroves with dog tracks in the immediate area. Her VHF anklet was found almost 50m away from the bio-telemetry tag. There were no signs of any remains. *Kayla* is a suspected wild dog predation.
- *Morty*- Koala *Morty*'s biotelemetry collar and VHF tag were found on 19/8/14 on a tuft of grass on the mudflats and amongst casuarina approximately 300m to the south-west of his usual home range. No koala remains were found, however there was obvious chew marks on the anklet and fresh dog tracks in the area. *Morty* is a suspected wild dog predation.
- *Starkey*- Koala *Starkey*'s biotelemetry collar and VHF tag were found 60 m apart and 1km from his usual home range on 20/8/14 (Griffin site). There were no signs of his body or any remains. *Starkey* is a suspected wild dog predation.
- *Posh Spice*- Koala *Posh Spice*'s biotelemetry collar and VHF anklet signals were not able to be picked up by field personnel, despite extensive searching on and after the 3/9/14. It is unusual that both telemetry devices would fail at the same time. A search of the area to try and locate *Posh Spice* was not successful, however the remains of a koala gut was found within her home range, which is typically left behind by wild dogs. It is uncertain if this was the remains of *Posh Spice*. A further search for her biotelemetry devices was successful and her collar and anklet were found together on 5/2/15 submerged in shallow water at the edge of a dam approximately 1km from her usual home range. *Posh Spice* is a suspected wild dog predation.
- *Clancy*- Koala *Clancy*'s biotelemetry collar and VHF anklet signals were not able to be picked up by field personnel, despite extensive searching on and after the 3/9/14. A search of the area to try and locate *Clancy* was not successful, however the remains of a koala gut was found near his last known location, which is typically left behind by wild dogs. It was uncertain if these were the remains of *Clancy*, and it is unusual that both telemetry devices would fail at the same time. A further search for *Clancy*'s telemetry devices on 12/2/15 managed to recover his anklet approximately 2km from his last known location. *Clancy* is a suspected wild dog predation.
- *Savannah*- Koala *Savannah*'s biotelemetry collar was found slipped in long grass approximately 100m from where her anklet was retrieved in the mangroves on 12/9/14. There were no signs of her body or any remains. *Savannah* is a suspected wild dog predation.
- *Leanne*- Koala *Leanne*'s biotelemetry collar was found on 8/10/14 approximately 10m from her anklet. Her tags were found approximately 1.5km outside her usual home range with no remains found near the tags. The anklet was covered in saliva and the tags were found in the vicinity of kangaroo bones, likely the remains of a kangaroo that was killed by a wild dog. It is suspected that *Leanne* was killed and then taken off site by a wild dog.
- *Brock*- Koala *Brock*'s collar was found on 30/10/14, approximately 200m from his anklet and the collar looked like it had been dragged through the mud. The anklet was found in the mangroves with chew marks on it. While no body or remains were found, due to the location and state of his tags, *Brock* is a suspected wild dog predation.
- *Zac*- Koala *Zac*'s anklet was found on 15/10/14 in a swampy area behind the sewerage treatment plant at the end of Bickles Rd. The velcro had chew marks all over it but no koala remains were found. His biotelemetry collar was found in an open dried pond approximately 300m away. While no body or remains were found, due to the location and state of his tags, *Zac* is a suspected wild dog predation.
- *Lil' Richard*- *Lil' Richard*'s VHF tag signal was heard coming from the smaller of two lace monitors in a tree on 13/11/14. The next day the VHF transmitter was found in a clump of regurgitated matter consisting of grass, fur, little feathers and a claw in the same location where the monitors were seen. As lace monitors scavenge carrion, it is suspected that *Lil' Richard*'s remains and VHF tag were ingested by the monitor and later regurgitated. We consider that the likely scenario is that *Lil' Richard* was killed by a wild dog, partially eaten and then scavenged by a lace monitor. The categorisation of this case as a suspect wild dog predation does not definitively exclude other possible scenarios.

- *Marina*- Koala *Marina*'s collar was found on 22/11/14, approximately 20m from her mother *Sherrina*'s remains and tags. The velcro had been ripped open and the VHF tag was lying nearby. Both *Marina* and *Sherrina*'s tags were found in open grass on the opposite side of the creek to where they are usually found. Based on these findings, *Marina*'s disappearance is a suspected wild dog predation.
- *Panda*- Koala *Panda*'s collar was found on the ground with the break point intact on 29/11/14, approximately 320 m to the south of her usual home range. Her VHF anklet tag was located 150m from the collar, with no velcro attached to the tag. While no body or remains were found, due to the location and state of her tags, *Panda*'s disappearance is a suspected wild dog predation.
- *Grumps*- Koala *Grump*'s anklet was found without the velcro attachment in his usual home range; however his collar with fishing line intact was found on grass near the mudflats, well outside his usual home range. His ear tag was found approximately 16 months later between 300 and 400m from the locations of his anklet and collar. While no remains were found, due to the location and state of his tags, *Grump*'s disappearance is a suspected wild dog predation.
- *Sara*- Koala *Sara*'s collar and anklet, without velcro, were found together on the ground within her usual home range, with no signs of *Sara* or remains in the area. Her bio-telemetry tag had a large crack in one side. Based on the state and loss of both tags at the same time, the disappearance of *Sara* is a suspected wild dog predation.
- *Butter*- Koala *Butter*'s anklet was found on the ground within her usual home range, with no signs of *Butter*. The velcro band of her anklet had distinctive chew marks. Based on the state of the anklet, the disappearance of *Butter* is a suspected wild dog predation.
- *Meneguzzo* – Koala *Meneguzzo*'s collar was found intact under lantana well outside (800m) his usual home range. No remains were found. Based on the circumstances surrounding the location of the collar, the disappearance of *Meneguzzo* is a suspected wild dog predation.
- *Solo* – Koala *Solo*'s bio-telemetry collar and VHF anklet were found on the ground within 15m of each other on 30/3/15. The break point on the collar was intact and the velcro attachment for the anklet was also intact and not undone or broken. Based on the state and loss of both tags at the same time, *Solo*'s disappearance is a suspected wild dog predation.
- *Xerox* – Koala *Xerox*'s bio-telemetry collar and ear tag, with chew marks, were found on the ground on the edge of a landfill area, approximately 500m east of her usual home range. Her anklet, with chew marks, was found approximately 700m to the north of the location of her biotelemetry collar, or around 800m north-east of her usual home range. Based on the state and location of bio-telemetry and ear tags, the disappearance of *Xerox* is a suspected wild dog predation.
- *Connie* – Koala *Connie*'s bio-telemetry collar was uploading zero activity on the LX website on 11/5/15 and was located on the ground in a grassy area at the edge of bushland. The VHF anklet, on mortality mode, was found 8m from the collar, with chew marks evident on the strap. Both tags were located approximately 600m to the north west of *Connie*'s usual home range. Based on the state and location of *Connie*'s tags, his disappearance is a suspected wild dog predation.
- *Kapok* – Koala *Kapok*'s VHF anklet was found on the ground in mortality mode on 7/7/15, seemingly slipped by the koala. She was then tracked by her collar, which was also found on the ground, with the fishing line "break point" unbroken, approximately 80m from the location of the anklet. The dropping of both tags at the same time is unusual, and the collar is fitted so that it is unlikely to slip off the koala's head without the fishing line breaking. Almost one year after *Kapok* went missing (4/6/16), her ear tag was found during routine tracking. Chew marks were obvious on the tag. The disappearance of *Kapok* is a suspected wild dog predation.
- *Brenda* – Koala *Brenda*'s VHF anklet and collar were found approximately 210m apart in the landfill area (east of the rail corridor) of the Amcor site on 13/7/15 during routine tracking by field personnel. The tags were located well outside her usual home range on the western side of the rail corridor. Both tags were in mortality mode and the collar was intact, with the fishing line unbroken. There were no signs of *Brenda* or her approximately 4-5 month old pouch joey. Her ear tag was found eight months later, near the location of her bio-telemetry collar. *Brenda*'s disappearance is a suspected wild dog predation based on the location and state of her tags.

- *Kylie* - Koala *Kylie* was located in an isolated patch of trees next to a busy road but could not be captured and relocated due to safety concerns for the koala and capture team. The local koala rescue group received a call for a koala hit by a car in the area of *Kylie*'s last known location, but few details of the koala's injuries or whereabouts were left by the caller. *Kylie* could not be located over the next week despite intensive searching and no signals could be obtained on her tags. During these searches, part of the casing of her suspected collar was found by the side of the road with significant damage. *Kylie*'s disappearance is suspected to be a result of vehicle trauma.

5. Looking Ahead

Field activities proposed for July 2016

- Ongoing field monitoring of tagged koalas
- Monitoring of tagged koalas during vegetation clearing
- Locate and recapture koalas with slipped bio-telemetry and VHF tags if relevant to ongoing monitoring programs
- Recaptures for scheduled veterinary examinations and tag sizing checks
- Capture of joeys nearing independence at the Griffin site
- Monitoring of mitigation structures along the rail corridor
- Capture and removal of telemetry devices from koalas living away from the rail corridor or that are no longer relevant to ongoing monitoring programs.



6. Appendices

Appendix 1: Koala Capture Summaries

Appendix 2: Health Statistics



Patricia

Appendix 1: Koala Capture Summaries

KTMP Koala Summary	March 2013			April 2013			May 2013			June 2013			July 2013			August 2013		
	Total	Sex		Total	Sex		Total	Sex		Total	Sex		Total	Sex		Total	Sex	
		M	F		M	F		M	F		M	F		M	F		M	F
New Koala Captures	9	4	5	19	5	14	32	14	18	25	5	20	6	2	4	6	5	1
Amcor	0	0	0	15	3	12	30	14	16	13	4	9	4	2	2	5	5	0
Bruce Highway West	0	0	0	0	0	0	0	0	0	4	0	4	0	0	0	0	0	0
Mango Hill	0	0	0	0	0	0	0	0	0	6	1	5	0	0	0	0	0	0
Kinsellas Rd	6	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rothwell	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
Kippa-Ring	3	1	2	4	2	2	2	0	2	2	0	2	1	0	1	1	0	1
Koalas that have entered program via koala rescue groups, wildlife hospitals	2 (Ozone & Molten)	1	1	1 (Butter)	0	1	0	0	0	0	0	0	4 (Nuelli, Rosie, Xoryan & Camomile)	2	2	3 (Adrianna, Jordii & Rambo)	1	2
Koalas entered into the KTMP (1st vet exam conducted)	11	5	6	20	5	15	32	14	18	25	5	20	10	4	6	9	6	3

Table 1A: Summary of koalas entering the KTMP

KTMP Koala Summary	September 2013			October 2013			November 2013			December 2013			January 2014			February 2014		
	Total	Sex		Total	Sex		Total	Sex		Total	Sex		Total	Sex		Total	Sex	
		M	F		M	F		M	F		M	F		M	F		M	F
New Koala Captures	11	6	5	32	11	21	49	23	26	29	13	16	36	16	20	24	10	14
Amcor	5	4	1	9	3	6	9	2	7	16	9	7	20	11	9	13	4	9
Bruce Highway West	1	1	0	0	0	0	6	4	2	0	0	0	6	3	3	7	3	4
Mango Hill	0	0	0	0	0	0	1	1	0	0	0	0	1	0	1	1	0	1
Kinsellas Rd	2	0	2	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
Rothwell	0	0	0	0	0	0	4	2	2	1	0	1	1	0	1	0	0	0
Kippa-Ring	3	1	2	23	8	15	29	14	15	12	4	8	7	1	6	3	3	0
Koalas that have entered program via koala rescue groups, wildlife hospitals	5 (Shaelea, Saba, Melaleuca, Billy & Colledge)	2	3	2 (Moon Unit & Sheriff)	1	1	2 (Baloua, Chute)	2	0	1 (Jarred)	1	0	1 (June-Jai)	1	0	0	0	0
Koalas entered into the KTMP	16	8	8	34	12	22	51	25	26	30	14	16	37	17	20	24	10	14

Table 1A: Summary of koalas entering the KTMP (continued)

KTMP Koala Summary	March 2014			April 2014			May 2014			June 2014				July 2014			
	Total	Sex		Total	Sex		Total	Sex		Total	Sex			Total	Sex		
		M	F		M	F		M	F		Inter-sex	M	F		Inter-sex		
New Koala Captures	17	9	8	10	2	8	8	5	3	32	9	22	1	6	1	5	0
Amcor	4	3	1	0	0	0	4	2	2	3	0	2	1	3	1	2	0
Bruce Highway West	3	1	2	2	2	0	1	1	0	0	0	0	0	0	0	0	0
Mango Hill	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
Kinsellas Rd	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
Rothwell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kippa-Ring	4	2	2	3	0	3	1	1	0	0	0	0	0	2	0	2	0
Griffin	6	3	3	4	0	4	1	1	0	0	0	0	0	0	0	0	0
Kurwongbah Scouts	-	-	-	-	-	-	1	0	1	29	9	20	0	0	0	0	0
Koalas that have entered program via koala rescue groups, wildlife hospitals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Koalas entered into the KTMP	17	9	8	10	2	8	8	5	3	32	9	22	1	6	1	5	0

Table 1A: Summary of koalas entering the KTMP (continued)

KTMP Koala Summary	August 2014				September 2014				October 2014				November 2014			
	Total	Sex			Total	Sex			Total	Sex			Total	Sex		
		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex
New Koala Captures	4	1	3	0	22	13	9	0	18	9	9	0	11	4	7	0
Amcor	1	0	1	0	6	4	2	0	11	6	5	0	5	1	4	0
Bruce Highway West	0	0	0	0	5	3	2	0	1	1	0	0	0	0	0	0
Mango Hill	0	0	0	0	1	2	0	0	1	0	1	0	0	0	0	0
Kinsellas Rd	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
Rothwell	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0
Kippa-Ring	1	1	0	0	5	2	3	0	4	1	3	0	5	3	2	0
Griffin	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0
Kurwongbah Scouts	2	0	2	0	1	1	0	0	0	0	0	0	1	0	1	0
Koalas that have entered program via koala rescue groups, wildlife hospitals	0	0	0	0	1 (Ninja)	1	0	0	0	0	0	0	0	0	0	0
Koalas entered into the KTMP	4	1	3	0	23	14	9	0	18	9	9	0	11	4	7	0

Table 1A: Summary of koalas entering the KTMP (continued)

KTMP Koala Summary	December 2014				January 2015				February 2015				March 2015			
	Total	Sex			Total	Sex			Total	Sex			Total	Sex		
		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex
New Koala Captures	9	5	4	0	4	0	4	0	0	0	0	0	6	2	4	0
Amcor	3	0	3	0	2	0	2	0	0	0	0	0	2	1	1	0
Bruce Highway West	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mango Hill	1	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0
Kinsellas Rd	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
Rothwell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kippa-Ring	5	4	1	0	1	0	1	0	0	0	0	0	3	1	2	0
Griffin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kurwongbah Scouts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Koalas that have entered program via koala rescue groups, wildlife hospitals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Koalas entered into the KTMP	9	5	4	0	4	0	4	0	0	0	0	0	6	2	4	0

Table 1A: Summary of koalas entering the KTMP (continued)

KTMP Koala Summary	April 2015				May 2015				June 2015				July 2015			
	Total	Sex			Total	Sex			Total	Sex			Total	Sex		
		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex
New Koala Captures	0	0	0	0	1	1	0	0	0	0	0	0	3	3	0	0
Amcor	0	0	0	0	1	1	0	0	0	0	0	0	2	2	0	0
Bruce Highway West	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mango Hill	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Kinsellas Rd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rothwell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kippa-Ring	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Griffin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kurwongbah Scouts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Koalas that have entered program via koala rescue groups, wildlife hospitals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Koalas entered into the KTMP	0	0	0	0	1	1	0	0	0	0	0	0	3	3	0	0

Table 1A: Summary of koalas entering the KTMP (continued)

KTMP Koala Summary	August 2015				September 2015				October 2015				November 2015			
	Total	Sex			Total	Sex			Total	Sex			Total	Sex		
		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex
New Koala Captures	2	1	1	0	10	5	5	0	14	6	8	0	9	4	5	0
Amcor	1	0	1	0	5	2	3	0	2	1	1	0	3	2	1	0
Bruce Highway West	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Mango Hill	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0
Kinsellas Rd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rothwell	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
Kippa-Ring	0	0	0	0	3	2	1	0	7	4	3	0	4	2	2	0
Griffin	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kurwongbah Scouts	0	0	0	0	2	1	1	0	2	1	1	0	1	0	1	0
Koalas that have entered program via koala rescue groups, wildlife hospitals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Koalas entered into the KTMP	2	1	1	0	10	5	5	0	14	6	8	0	9	4	5	0

Table 1A: Summary of koalas entering the KTMP (continued)

KTMP Koala Summary	December 2015				January 2016				February 2016				March 2016			
	Total	Sex			Total	Sex			Total	Sex			Total	Sex		
		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex
New Koala Captures	4	3	1	0	3	2	1	0	6	3	3	0	3	2	1	0
Amcor	1	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0
Bruce Highway West	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0
Mango Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kinsellas Rd	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rothwell	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kippa-Ring	0	3	0	0	2	1	1	0	3	2	1	0	0	0	0	0
Griffin	0	0	0	0	1	1	0	0	1	0	1	0	2	1	1	0
Kurwongbah Scouts	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Koalas that have entered program via koala rescue groups, wildlife hospitals	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Koalas entered into the KTMP	4	3	1	0	3	2	1	0	6	3	3	0	3	2	1	0

Table 1A: Summary of koalas entering the KTMP (continued)

KTMP Koala Summary	April 2016				May 2016				June 2016				Cumulative Total			
	Total	Sex			Total	Sex			Total	Sex			Cumulative Total	Sex		
		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex
New Koala Captures	0	0	0	0	0	0	0	0	1	1	0	0	481	205	275	1
Ancor	0	0	0	0	0	0	0	0	0	0	0	0	199	88	110	1
Bruce Highway West	0	0	0	0	0	0	0	0	0	0	0	0	38	19	19	0
Mango Hill	0	0	0	0	0	0	0	0	0	0	0	0	17	5	12	0
Kinsellas Rd	0	0	0	0	0	0	0	0	0	0	0	0	12	5	7	0
Rothwell	0	0	0	0	0	0	0	0	0	0	0	0	10	4	6	0
Kippa-Ring	0	0	0	0	0	0	0	0	1	1	0	0	147	64	83	0
Griffin	0	0	0	0	0	0	0	0	0	0	0	0	18	7	11	0
Kurwongbah Scouts	0	0	0	0	0	0	0	0	0	0	0	0	40	13	27	0
Koalas that have entered program via koala rescue groups, wildlife hospitals	0	0	0	0	0	0	0	0	0	0	0	0	22	12	10	0
Koalas entered into the KTMP	0	0	0	0	0	0	0	0	1	1	0	0	503	217	285	1

Table 1A: Summary of koalas entering the KTMP (continued)

Appendix 2: Health Statistics

Health Statistics	March 2013			April 2013			May 2013			June 2013			July 2013			August 2013		
	Total	Sex		Total	Sex		Total	Sex		Total	Sex		Total	Sex		Total	Sex	
		M	F		M	F		M	F		M	F		M	F		M	F
Healthy at 1st vet exam	6	2	4	18	5	13	25	10	15	17	3	14	7	4	3	7	5	2
Chlamydial disease detected at 1st vet exam	5	3	2	3	1	2	3	2	1	6	1	5	3	0	3	2	1	1
Chlamydial infection (no obvious disease, but Clearview 2+ or greater) detected at 1st vet exam	0	0	0	1	0	1	0	0	0	1	0	1	0	0	0	0	0	0
Disease (any) detected at 1st health exam	5	3	2	3	1	2	5	3	2	7	2	5	3	0	3	2	1	1
Females with a joey at 1st health exam	3	-	3	9	-	9	10	-	10	12	-	12	4	-	4	1	-	1
Koalas admitted to hospital for veterinary treatment at 1st vet exam	5	3	2	3	1	2	2	2	0	7	2	5	1	0	1	0	0	0
Euthanased at 1st vet exam	1	0	1	0	0	0	3	1	2	1	0	1	0	0	0	1	0	1
Koalas admitted to hospital during tracking period	0	0	0	1	1	0	2	1	1	0	0	0	0	0	0	0	0	0
Mortalities (euthanased or died due to disease)-during tracking period	0	0	0	1	1	0	0	0	0	1	0	1	0	0	0	1	1	0
Mortalities (euthanased or died due to trauma)-during tracking period	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	3	2	1

Table 2A: Summary of KTMP koala health

Health Statistics	September 2013			October 2013 (**includes 6 koalas 1 st captured in Sept but vet exam conducted in Oct)			November 2013			December 2013			January 2014			February 2014		
	Total	Sex		Total	Sex		Total	Sex		Total	Sex		Total	Sex		Total	Sex	
		M	F		M	F		M	F		M	F		M	F		M	F
Healthy at 1 st vet exam	5	2	3	**34	13	21	33	20	13	22	10	12	24	13	11	20	9	11
Chlamydial disease detected at 1st vet exam	3	2	1	4	1	3	18	5	13	6	2	4	10	3	7	4	1	3
Chlamydial infection (no obvious disease, but Clearview 2+ or greater) detected at 1st vet exam	2	1	1	0	0	0	1	0	1	1	1	0	1	1	0	0	0	0
Disease (any) detected at 1st health exam	3	2	1	**5	2	3	18	5	13	7	3	4	12	3	9	4	1	3
Females with a joey at 1 st health exam	1	-	1	**9	-	9	11	-	11	5	-	5	9*	-	9	9	-	9
Koalas admitted to hospital for veterinary treatment at 1st vet exam	2	1	1	**3	1	2	7	2	5	5	2	3	5	1	4	2	1	1
Euthanased at 1st vet exam	0	0	0	1	0	1	2	0	2	0	0	0	4	1	3	1	0	1
Koalas admitted to hospital during tracking period	4	1	3	0	0	0	0	0	0	2	0	2	4	2	2	2	0	2
Mortalities (euthanased or died due to illness)- during tracking period	1	1	0	1	0	1	1	0	1	2	1	1	0	0	0	2	0	2
Mortalities (euthanased or died due to trauma)- during tracking period	3	2	1	6	2	3	6	4	2	11	6	5	6	4	2	10	6	4
Mortalities (unknown cause)- during tracking period	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0

Table 2A: Summary of KTMP koala health (continued)

Health Statistics	March 2014			April 2014			May 2014			June 2014				July 2014			
	Total	Sex		Total	Sex		Total	Sex		Total	Sex			Total	Sex		
		M	F		M	F		M	F		Inter-sex	M	F		Inter-sex		
Healthy at 1st vet exam	13	6	7	8	1	7	6	4	2	14	2	11	1	6	1	5	0
Chlamydial disease detected at 1st vet exam	3	3	0	2	1	1	2	1	1	17	5	12	0	0	0	0	0
Chlamydial infection (no obvious disease, but Clearview 2+ or greater) detected at 1st vet exam	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Disease (any) detected at 1st health exam	3	3	0	2	1	1	2	1	1	18	6	12	0	0	0	0	0
Females with a joey at 1st health exam	5	-	5	4	-	4	2	-	2	5	-	5	-	1	-	1	-
Koalas admitted to hospital for veterinary treatment at 1st vet exam	3	2	1	1	0	1	0	0	0	4	0	4	0	0	0	0	0
Euthanased at 1st vet exam	0	0	0	1	1	0	1	0	1	5	1	4	0	0	0	0	0
Koalas admitted to hospital during tracking period	3	0	3	2	1	1	2	2	0	2	1	1	0	8	5	3	0
Mortalities (euthanased or died due to illness)- during tracking period	1	0	1	4	1	3	0	0	0	0	0	0	0	1	1	0	0
Mortalities (euthanased or died due to trauma)- during tracking period	7	5	2	5	3	2	9	3	6	3	2	1	0	4	0	4	0
Mortalities (unknown cause)-during tracking period	0	0	0	1	1	0	0	0	0	1	0	1	0	1	1	0	0

Table 2A: Summary of KTMP koala health (continued)

Health Statistics	August 2014				September 2014				October 2014				November 2014			
	Total	Sex			Total	Sex			Total	Sex			Total	Sex		
		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex
Healthy at 1st vet exam	3	1	2	0	21	13	8	0	17	8	9	0	11	4	7	0
Chlamydial disease detected at 1st vet exam	1	0	1	0	2	1	1	0	1	1	0	0	0	0	0	0
Chlamydial infection (no obvious disease, but Clearview 2+ or greater) detected at 1st vet exam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Disease (any) detected at 1st health exam	1	0	1	0	2	1	1	0	1	1	0	0	0	0	0	0
Females with a joey at 1st health exam	0	-	0	-	1	-	1	-	3	-	3	-	1	-	1	-
Koalas admitted to hospital for veterinary treatment at 1st vet exam	0	0	0	0	2	1	1	0	1	1	0	0	0	0	0	0
Euthanased at 1st vet exam	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Koalas admitted to hospital during tracking period	1	0	1	0	8	4	4	0	10	3	7	0				
Mortalities (euthanased or died due to illness)- during tracking period	0	0	0	0	0	0	0	0	3	0	3	0	7	3	4	0
Mortalities (euthanased or died due to trauma)- during tracking period)	3	2	126	0	7	4	3	0	13	6	7	0	11	5	6	0
Mortalities (unknown cause)-during tracking period	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2A: Summary of KTMP koala health (continued)

Health Statistics	December 2014				January 2015				February 2015				March 2015			
	Total	Sex			Total	Sex			Total	Sex			Total	Sex		
		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex
Healthy at 1st vet exam	9	5	4	0	4	0	4	0	0	0	0	6	2	4	0	
Chlamydial disease detected at 1st vet exam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Chlamydial infection (no obvious disease, but Clearview 2+ or greater) detected at 1st vet exam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Disease (any) detected at 1st health exam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Females with a joey at 1st health exam	0	-	0	0	1	-	1	0	0	-	0	0	0	-	0	
Koalas admitted to hospital for veterinary treatment at 1st vet exam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Euthanased at 1st vet exam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Koalas admitted to hospital during tracking period	9	4	5	0	3	0	3	0	3	1	2	0	3	1	2	
Mortalities (euthanased or died due to illness)- during tracking period	1	1	0	0	2	1	1	0	1	1	0	0	0	0	0	
Mortalities (euthanased or died due to trauma)- during tracking period	9	6	3	0	2	0	2	0	1	0	1	0	3	3	0	
Mortalities (unknown cause)-during tracking period	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 2A: Summary of KTMP koala health (continued)

Health Statistics	April 2015				May 2015				June 2015				July 2015			
	Total	Sex			Total	Sex			Total	Sex			Total	Sex		
		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex
Healthy at 1 st vet exam	0	0	0	0	1	1	0	0	0	0	0	0	3	3	0	0
Chlamydial disease detected at 1st vet exam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlamydial infection (no obvious disease, but Clearview 2+ or greater) detected at 1st vet exam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Disease (any) detected at 1st health exam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Females with a joey at 1 st health exam	0	-	0	0	0	-	0	0	0	-	0	0	0	-	0	0
Koalas admitted to hospital for veterinary treatment at 1st vet exam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Euthanased at 1st vet exam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Koalas admitted to hospital during tracking period	2	0	2	0	4	0	4	0	1	1	0	0	1	1	0	0
Mortalities (euthanased or died due to illness)- during tracking period	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Mortalities (euthanased or died due to trauma)- during tracking period)	4	1	3	0	1	0	1	0	6	3	3	0	2	1	1	0
Mortalities (unknown cause)-during tracking period	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2A: Summary of KTMP koala health (continued)

Health Statistics	August 2015				September 2015				October 2015				November 2015			
	Total	Sex			Total	Sex			Total	Sex			Total	Sex		
		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex
Healthy at 1st vet exam	2	1	1	0	10	5	5	0	13	5	8	0	8	4	4	0
Chlamydial disease detected at 1st vet exam	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1	0
Chlamydial infection (no obvious disease, but Clearview 2+ or greater) detected at 1st vet exam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Disease (any) detected at 1st health exam	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1	0
Females with a joey at 1st health exam	0	-	0	0	0	-	0	0	0	-	0	0	0	-	0	0
Koalas admitted to hospital for veterinary treatment at 1st vet exam	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1	0
Euthanased at 1st vet exam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Koalas admitted to hospital during tracking period	0	0	0	0	1	0	1	0	3	1	2	0	7	1	6	0
Mortalities (euthanased or died due to illness)- during tracking period	1	0	1	0	1	1	0	0	4	4	0	0	0	0	0	0
Mortalities (euthanased or died due to trauma)- during tracking period)	0	0	0	0	0	0	0	0	3	1	2	0	0	0	0	0
Mortalities (unknown cause)-during tracking period	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2A: Summary of KTMP koala health (continued)

Health Statistics	December 2015				January 2016				February 2016				March 2016			
	Total	Sex			Total	Sex			Total	Sex			Total	Sex		
		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex
Healthy at 1st vet exam	4	3	1	0	3	2	1	0	6	3	3	0	3	2	1	0
Chlamydial disease detected at 1st vet exam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Chlamydial infection (no obvious disease, but Clearview 2+ or greater) detected at 1st vet exam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Disease (any) detected at 1st health exam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Females with a joey at 1st health exam	0	-	0	0	0	-	0	0	0	-	0	0	0	-	0	0
Koalas admitted to hospital for veterinary treatment at 1st vet exam	1	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0
Euthanased at 1st vet exam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Koalas admitted to hospital during tracking period	3	1	2	0	6	4	2	0	6	4	2	0	2	1	1	0
Mortalities (euthanased or died due to illness)- during tracking period	1	0	1	0	2	2	0	0	2	1	1	0	2	0	2	0
Mortalities (euthanased or died due to trauma)- during tracking period	3	1	2	0	1	1	0	0	1	1	0	0	2	1	1	0
Mortalities (unknown cause)-during tracking period	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2A: Summary of KTMP koala health (continued)

Health Statistics	April 2016				May 2016				June 2016				Cumulative Total			
	Total	Sex			Total	Sex			Total	Sex			Cumulative Total	Sex		
		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex		M	F	Inter-sex
Healthy at 1 st vet exam	0	0	0	0	0	0	0	0	1	1	0	0	390	174	215	1
Chlamydial disease detected at 1st vet exam	0	0	0	0	0	0	0	0	0	0	0	0	97	35	62	0
Chlamydial infection (no obvious disease, but Clearview 2+ or greater) detected at 1st vet exam	0	0	0	0	0	0	0	0	0	0	0	0	8	3	5	0
Disease (any) detected at 1st health exam	0	0	0	0	0	0	0	0	0	0	0	0	105	40	65	0
Females with a joey at 1 st health exam	0	-	0	0	0	0	0	0	0	0	0	0	106	-	106	-
Koalas admitted to hospital for veterinary treatment at 1st vet exam	0	0	0	0	0	0	0	0	0	0	0	0	59	23	36	0
Euthanased at 1st vet exam	0	0	0	0	0	0	0	0	0	0	0	0	22	4	18	0
Koalas admitted to hospital during tracking period	6	2	4	0	2	2	0	0	3	0	3	0	123	48	75	0
Mortalities (euthanased or died due to illness)- during tracking period	2	1	1	0	2	0	2	0	1	0	1	0	44	20	24	0
Mortalities (euthanased or died due to trauma)- during tracking period)	0	0	0	0	0	0	0	0	0	0	0	0	146	77	69	0
Mortalities (unknown cause)-during tracking period	0	0	0	0	0	0	0	0	0	0	0	0	6	2	4	0

Table 2A: Summary of KTMP koala health (continued)