

KEA OBSERVATION

SUMMARY (General)

Morning Observations

- 1) Keas commence arriving at the site at approx. 4:30am
- 2) Keas have left the site by 7:00am
- 3) On average 15 Keas visit the site each morning
- 4) Generally speaking the younger Keas are last to leave.
- 5) The younger Keas are the most approachable, and less afraid.
- 6) All Keas are undisturbed by light & noise.
- 7) Most Keas in the morning DO NOT forage in the tip
- 8) Kea will more likely stay longer if their curiosity is aroused.(ie. human activity), however because a **New Zealand Falcon** hunts near the Tip, there will be a limitation on their length of extended stay.

Evening Observations

- 1) Keas commence arriving at the site at approx. 18:30pm
- 2) Keas have moved away from the site by 19:50pm
- 3) On average 16 Keas visit the site each evening
- 4) Generally speaking the younger Keas are last to depart the site.
- 5) The younger Keas are most approachable, but also they tend to be foraging in the Tip.
- 6) Several of the tagged Keas appear to be more curious, or inquisitive about my presence in the evening, and stay close to me.
- 7) It is unlikely the Keas would arrive any earlier, as a NEW ZEALAND FALCON is known to hunt Kea at the tip during daylight hours.

General (working with Kea)

- 1) Kea are the most intelligent of the Parrot family. Young Kea very much react like young children, they are extremely inquisitive, lack fear, and want to test anything & everything for its edibility. To "shoo" a Kea away from an object, doubles its resolve to get near it. It will team up with other Keas in a game of distraction, and normally they win!
- 2) The morning Kea provide the best opportunity to photograph Kea acting naturally, as they appear more interested in social interaction than foraging in the tip. The young Kea have tended to follow me around at very close range. These young Kea can be led to an area of ground that appears more natural.
- 3) I have placed myself amongst tussock at 6:30am, incoming Kea have visited my position on most occasions, but soon lose interest and move on to the site.
- 4) No Kea will remain solo at the site, the risk from predators is too high!

KEA OBSERVATION

2nd SUMMARY (General)

General

As far as **Morning Observations** are concerned nothing has changed much in the Kea routine. They still arrive directly to the site, or to the Beech tree stand from 4.30am to 6am. They still depart just after 7am.

The reason for their departure at this time is the real predator threat the **NZ Falcon** poses. The Falcon does a fly-by about 7.15am to 7.45am, and occasionally perches in the same trees as the Kea, or moves over to the forest on Mt O'Malley. The Kea are outwardly nervous anytime after 7am, and prefer to move about in groups (they also become silent). It is very rare that a Kea departs the area solo. The Falcon is actually an asset to the Bealey Valley, as the valley was part of its natural range in times past, and it is good to see it has reintroduced itself.

From your point of view (needing natural light), you will have to rely on the Kea's natural curiosity for human activity to lengthen their stay at the site (this may not be a problem). The Kea do most of their **various calls** between their arrival and 6.30am, and possibly some "sound" recording could take place then. **GOOD LUCK!**

The **Evening Observations** reveal that the Kea will always wait till late dusk (when the NZ Falcon has departed) before they enter the area. They always use the Beech trees as a preliminary staging area before descending to the site about 6:15pm to 6:30pm. The length of their stay is directly related to the available light, while the moon shines they go nowhere. Because the period they visit the area can be quite long (5+ hours) their numbers have been substantial. They call continuously.

As far as **Weather** is concerned, Kea will not stay in open ground during rain, if they sense a subsequent drop in temperature is to follow (Avoiding Hypothermia). Light rain, or "warm" rain does not deter them. The recent snowfalls has forced many more Kea into the valleys in search of food, but this snow is still temporary.

KEA OBSERVATION PHOTOGRAPH SUMMARY

Frame	Date	Time	Description
1	9-4-97	5:18	1 Kea playing with Tin Can
2	9-4-97	18:33	4 Kea
3	9-4-97	18:37	3 Kea
4	9-4-97	18:38	3 Kea
5	10-4-97	6:07	4 Kea at Pack
6	10-4-97	6:08	8 Kea nearby
7	10-4-97	18:38	1 Kea in typical pose
8	11-4-97	6:08	2 Kea
9	12-4-97	5:50	1 Kea
10	12-4-97	19:10	Kea at boots
11	12-4-97	19:15	Kea at head-torch
12	12-4-97	19:20	FLASH FAILURE
13	13-4-97	6:12	3 Kea
14	13-4-97	6:32	Kea on Car Wreck roof
15	13-4-97	18:31	2 Kea ripping mattresses

Note : I am very uncertain of any of the exposures. The first three were taken using the camera mounted on a tripod with a cable operated flash, this proved unsatisfactory as the Kea were generally un-cooperative. All later photos are hand-held, with focus being achieved using a head-lamp.

KEA OBSERVATION

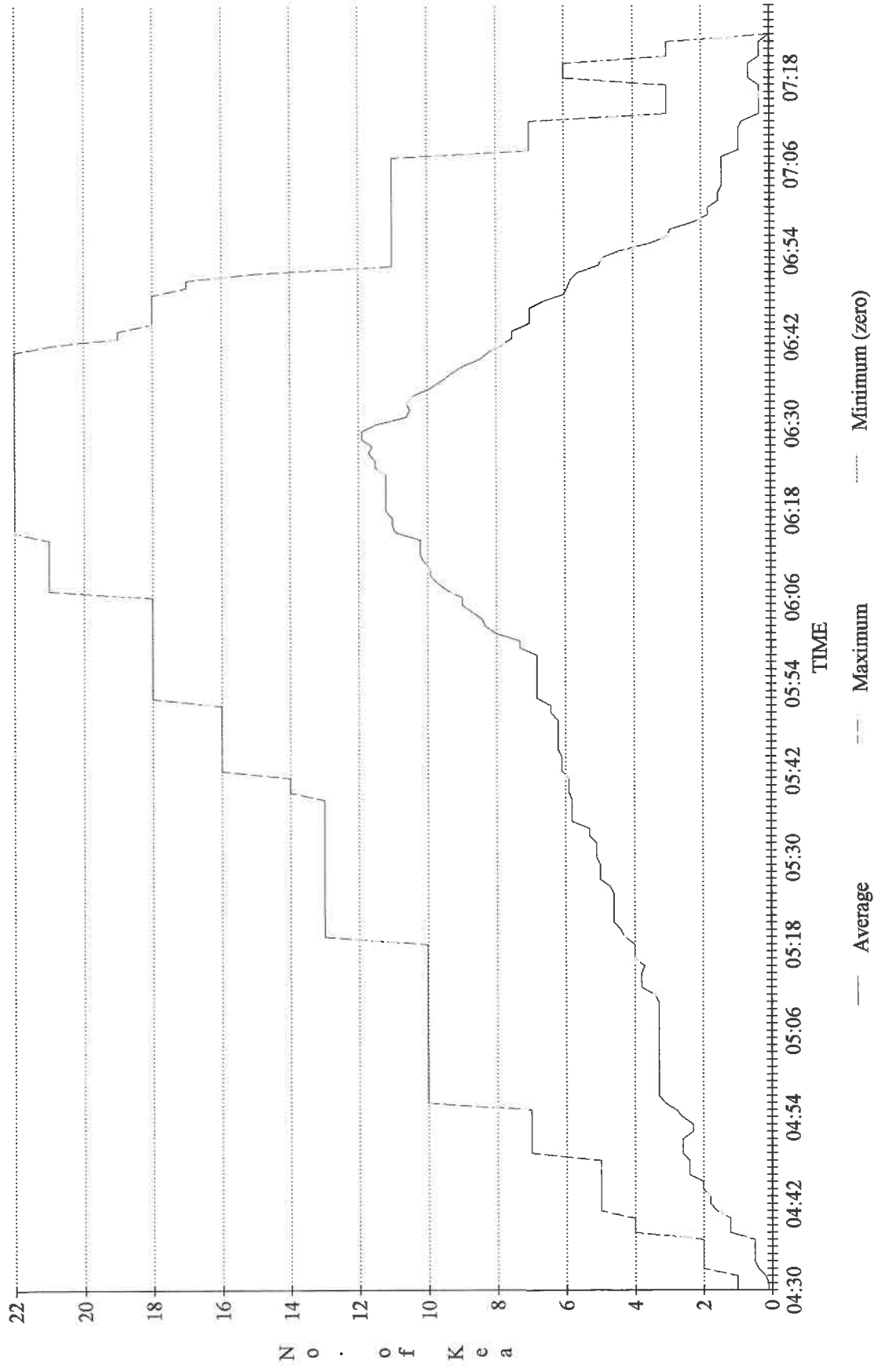
2nd PHOTOGRAPH SUMMARY

Frame	Date	Time	Description
1	14-4-97	19:05	Kea Group
2	15-4-97	6:20	2 Kea on Bike
3	15-4-97	6:23	1 Kea on Bike Wheel
4	16-4-97	18:26	3 Kea
5	16-4-97	18:36	2 Kea
6	16-4-97	18:56	Kea Silhouette against fire
7	17-4-97	18:37	3 Kea
8	17-4-97	18:51	Kea eating Window seal
9	18-4-97		Test Photograph - spool
10	18-4-97		Test Photograph - Shutter
11	19-4-97	6:12	1 Kea
12	19-4-97	6:17	2 Kea
13	19-4-97	6:20	1 Kea
14	20-4-97	6:26	1 tagged Kea
15	20-4-97	6:37	4 Kea
16	20-4-97	6:38	4 Kea
17	20-4-97	18:35	1 Kea at Boot
18	20-4-97	18:40	Kea on Foam Mat
19	20-4-97	18:44	Kea on Bike Wheel

Note : Lets hope these exposures were successful. If these fail I can only assume the camera's sync with the flash unit has gone awry, or I reloaded the exposed film. My camera has been functioning OK as I just finished taking 500 successful slide photos with it overseas. (???????)

MORNING KEA OBSERVATIONS (9 - 20/04/97)

Halpin's Creek Waste Disposal Site



KEA OBSERVATION

Halpins Creek Waste Disposal Site - Arthur's Pass

Observations taken by Graeme Kates

DATE : 9th April, 1997

PAGE : 1

AM OBSERVATIONS Total Kea = 15

Weather

Air Temperature 4.7 ° Celsius, 1/8 Cloud Cover, Intermittent Sleet, Wind - Light NW

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
4:30	Arrive at site (No Kea Present)	
4:44	2 Kea arrive (2 Juvenile)	2J = 2
4:54	3 Kea arrive (3 Adult)	2J + 3A = 5
5:02	Kea commence calling	
5:05	Train passes : Kea cease calling	
5:07	Kea recommence calling	
5:10	2 Kea investigate me at 2 metres	
5:18	Photo (Flash) 1 Kea playing with tin can (3.5m, F8, 50mm, 125/s, 200ASA)	
5:21	1 Kea pulling grass shoots nearby	
5:33	3 Kea heard in distance to south of Halpins Creek	
5:41	FIRST LIGHT	
5:52	2 Kea arrive (2 Adult)	2J + 5A = 7
6:01	4 Kea arrive (2 Adult, 2 Juvenile)	4J + 7A = 11
6:08	3 Kea arrive (1 Adult, 2 Juvenile)	6J + 8A = 14
6:12	1 Kea arrive (1 Adult)	6J + 9A = 15
6:39	5 Kea move to crowns of Beech trees west of site (10 Tip, 5 Trees)	
6:42	5 Kea fly up Halpins Creek (5 Tip, 5 Trees)	
6:45	Other species of birds arrive	
6:48	2 Kea to same trees, 2 Kea fly across Bealey River (1 Tip, 7 Trees)	
6:52	3 Kea fly to Mt O'Malley, 1 Kea fly Halpins Creek (1 Tip, 3 Trees)	
7:01	3 Kea fly to Mt O'Malley (1 Trees)	
7:02	5 Kea return, circle, 6 Kea to Mt O'Malley (0 Kea at site)	
7:07	4 Kea move Mt O'Malley to Mingha River Valley	
7:15	Depart site.	

EXTRA INFORMATION

R=Right L=Left Si=Silver Rd=Red Ye=Yellow Bk=Black Bl=Blue Gn=Green

Banded Kea (x4) : (R-Si), (R-Rd, L-Si), (R-Ye/Rd, L-Ye/Si), (R-Rd, L-Bk/Si)

Very few Kea actually rummaged about the Tip, most did no foraging.

Beech tree stand used as roost is about 10 metres high, crown is open, all birds are visible.

General activity is also noted : trains, people, and other interferences etc

PM OBSERVATIONS Max. Total Kea = 16**Weather**

Air Temperature 9 ° Celsius, 4/8 Cloud Cover, Intermittent Drizzle, Wind - Light NW

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
16:45	Arrive at site (No Kea Present)	
17:34	Coal train passes	
17:36	Kea (1) heard in Halpins Crk area (not seen)	
17:42	Villager calls in to dump rubbish	

Weather update

Air Temp: 7.4° Celsius, 4/8 Cloud Cover, No Rain, Wind - Light NW

17:59	Kea (1) heard in Halpins Crk area (not seen)	
18:07	Kea (2) fly over (Mingha River to forested hill to west)	
18:10	SUNSET	

Weather update

Air Temp: 7.1° Celsius, 5/8 Cloud Cover, Intermittent Drizzle, Wind - Light NW

18:11	Kea (3) seen flying west towards Mt Bealey	
18:23	Kea (1) heard on Mt O'Malley forested flanks (not seen)	
18:26	Kea (as above) flies over to forested hill to west.	
18:27	Kea (4) heard on Mt O'Malley forested flanks.	
18:29	2 Kea arrive (1 Adult, 1 Juvenile)	1J + 1A = 2
18:30	3 Kea arrive, roosting in Beech trees nearby.	
18:31	1 Kea arrive, roosting in Beech trees nearby.	
18:31	1 Kea (1 Adult) from trees to site.	1J + 2A = 3
18:33	1 Kea (1 Juvenile) from tree to site	2J + 2A = 4
18:33	Photo (Flash) 4 Kea (5m, F5.6, 70mm, 125/s, 200ASA)	
18:35	5 Kea arrive (3 Adult, 2 Juvenile)	4J + 5A = 9
18:37	Photo (Flash) 3 Kea (2m, F11, 50mm, 125/s, 200ASA)	
18:38	Photo (Flash) 3 Kea (1.8m, F16, 35mm, 125/s, 200ASA)	
18:42	2 Kea arrive (2 Adult)	4J + 7A = 11
18:44	8 Kea rumaging in tip, 3 outside.	
18:45	FAILING LIGHT : FIRST STARS VISIBLE	
18:45	2 Kea exploring my boots	
18:50	Coal train passes (Keas unafraid of noise & bright light)	
18:56	2 Kea arrive (2 Adult)	4J + 9A = 13
18:57	3 Kea arrive (1 adult, 2 Juvenile)	6J + 10A = 16
19:14	DARKNESS	
19:17	All Keas calling loudly	
19:27	4 Keas move to Beech trees	
19:39	4 Keas depart to forested hill west of site	
19:42	5 Keas move to Beech trees	
19:50	3 Keas fly to ??? (0 Kea at site) Some heard in Beech stand.	
19:55	Depart site.	

Weather update

Air Temp: 5.6° Celsius, 5/8 Cloud Cover, Drizzle, Wind - Light NW

AM OBSERVATIONS Max. Total Kea = 15**Weather**

Air Temperature 4.1° Celsius, 0/8 Cloud Cover, Clear Sky, Wind - None

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
4:30	Arrive at site (1 Adult Kea Present)	1A = 1
4:38	2 Kea arrive (2 Juvenile)	2J + 1A = 3
4:45	Kea on-site commence calling	
4:49	Kea stop calling	
4:57	Kea generally picking around grass shoots	

Weather update

Air Temp: 4.3° Celsius, 0/8 Cloud Cover, Wind - Light Northerly

5:13	Kea recommence calling	
5:20	1 Kea arrive (1 Adult)	2J + 2A = 4
5:30	Coal train passes, Kea cease calling	
5:31	Kea heard Halpins Crk, on-site Kea return call	
5:35	1 Kea arrive (1 Adult), on-site Kea stop calling	2J + 3A = 5
5:39	FIRST LIGHT	
5:47	On-site Kea recommence calling (very loud)	
6:01	3 Kea arrive (2 Adult, 1 Juvenile)	3J + 5A = 8
6:05	3 Kea arrive (1 Adult, 2 Juvenile)	5J + 6A = 11
6:07	Photo (Flash) 4 Kea at Pack (2m, F11, 50mm, 125/s, 200ASA)	
6:08	Photo (Flash) 8 Kea nearby (5m, F5.6, 50mm, 125/s, 200ASA)	
6:16	1 Kea arrive (1 Juvenile)	6J + 6A = 12
6:22	Atleast 4 Kea heard in Beech forest to west	
6:28	3 Kea arrive (1 Adult, 2 Juvenile)	8J + 7A = 15
6:30	5 Kea move to Beech stand west of site	
6:31	Coal train passes	
6:32	1 Kea departs to Mt O'Malley	
6:34	2 Kea from trees depart to Mingha River	
6:36	1 Kea departs to Mt O'Malley	
6:41	3 Kea move to Beech stand, 2 Kea from trees depart to Halpins Crk	
6:46	Other bird species arrive at site (30 birds approx.)	
6:50	1 Kea move to Beech stand	
6:53	1 Kea departs for Mingha River	
6:53	8 Kea depart to Mingha River from Beech stand	
6:56	1 Kea to forested hill west of site	
6:58	1 Kea from Beech stand to Mt O'Malley (0 Kea at site)	

Weather update

Air Temp: 3.7° Celsius, 2/8 Cloud Cover, Wind - Light Northerly Breeze

7:03 Depart Site

EXTRA INFORMATION (Banded Kea present this morning)

R=Right L=Left Si=Silver Rd=Red Ye=Yellow Bk=Black Bl=Blue Gn=Green

Banded Kea (x4) : (R-Si), (R-Rd, L-Si), (R-Ye/Rd, L-Ye/Si), (R-Rd, L-Bk/Si)

PM OBSERVATIONS Max. Total Kea = 12**Weather**

Air Temperature 9.4° Celsius, 4/8 Cloud Cover, Intermittent Drizzle, Wind - Mild NW

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
16:58	Arrive at site (No Kea Present)	
17:33	2 Kea seen & heard 250m atop forested hill to west	
17:38	Other Bird Species present (S.I. Rifleman, Introd. Sparrows)	
17:42	Coal train passes	
17:54	Kea flying Mingha River to T.R. Halpins Crk	

Weather update

Air Temp: 6° Celsius, 4/8 Cloud Cover, No Rain, Wind - Mild NW Breeze

18:05	SUNSET	
18:06	Keas heard calling in Halpins Creek	
18:18	RAF Rescue Helicopter flies overhead.	
18:19	1 Kea arrive to Beech tree stand (from Mingha River)	
18:24	4 Kea seen / heard on forested hill west of site	
18:25	1 Kea arrive to Beech tree stand (from Mt Bealey)	
18:26	RAF Rescue Helicopter flies overhead into Edwards River	
18:28	1 Kea arrive to Beech tree stand (from Halpins Creek)	
18:29	2 Kea arrive (2 Juvenile) from trees, calling	2J = 2
18:31	1 Kea arrive (1 Adult) from Mt O'Malley	2J + 1A = 3
18:35	2 Kea arrive (1 Adult, 1 Juvenile) from trees	3J + 2A = 5
18:36	Coal train passes	
18:36	2 Kea arrive (2 Adult)	3J + 4A = 7
18:38	Photo (Flash) 1 Kea posing (2m, F11, 70mm, 125/s, 200ASA)	

Weather update

Air Temp: 5.3° Celsius, 8/8 Cloud Cover, No Rain, Wind - Calm

18:44	4 Kea arrive to Beech tree stand (from Mingha River)	
18:45	FAILING LIGHT	
18:48	2 Kea arrive (2 Adult) from trees	3J + 6A = 9
18:57	Keas observed throwing stones, scaring each other in darkness	
19:02	RAF Rescue Helicopter flies overhead - (Very loud - Keas unphased)	
19:05	3 Kea arrive (3 Juvenile)	6J + 6A = 12
19:07	Individual Keas calling long & loud	
19:11	DARKNESS	
19:20	3 Keas move to Beech trees	
19:31	3 Keas move to Beech trees, calling loudly from trees	
19:36	2 Keas fly off, can't tell where in darkness	
19:44	4 Keas fly to ??? (0 Kea at site)	
19:50	Depart site.	

Weather update

Air Temp: 4.9° Celsius, 7/8 Cloud Cover, Wind - Calm

EXTRA INFORMATION (Banded Kea present this evening)

R=Right L=Left Si=Silver Rd=Red Ye=Yellow Bk=Black Bl=Blue Gn=Green

Banded Kea (x4) : (R-Si), (R-Ye, L-Si), (R-Ye, L-Rd / Ye)

AM OBSERVATIONS Max. Total Kea = 14**Weather**

Air Temperature 4.3° Celsius, Valley Fog, Wind - Calm

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
4:28	Arrive at site (No Kea Present)	
4:33	2 Kea arrive (2 Juvenile)	2J = 2
4:40	Kea on-site commence calling	
4:43	1 Kea arrives to Beech tree stand, Kea stop calling	
4:51	1 Kea arrive (1 Adult) from Beech trees	2J + 1A = 3
5:07	Kea recommence calling	
5:12	2 Kea arrive (1 Adult, 1 Juvenile), calling loudly	3J + 2A = 5
5:15	Kea heard on flanks of Mt O'Malley	
5:24	Coal train passes	
5:35	1 Kea arrive (1 Adult)	3J + 3A = 6

Weather update

Air Temp: 4.2° Celsius, Fog, Wind - Calm

5:41	FIRST LIGHT	
5:44	On-site Keas calling - some replies heard from Halpins Creek	
5:59	3 Kea arrive (1 Adult, 2 Juvenile) from Mt O'Malley	5J + 4A = 9
6:04	3 Kea arrive (2 Adult, 1 Juvenile) from Mt Bealey	6J + 6A = 12
6:08	Photo (Flash) 2 Kea (2m, F11, 50mm, 125/s, 200ASA)	
6:15	1 Kea arrive (1 Juvenile) from ???	7J + 6A = 13
6:27	1 Kea arrive (1 Adult) from Halpins Creek	7J + 7A = 14
6:31	4 Kea depart to Beech tree stand	
6:34	2 Kea depart to Mingha River	
6:35	1 Kea departs to Beech tree stand	
6:40	4 Kea depart trees to Mt O'Malley	
6:41	1 Kea departs trees to Halpins Creek	
6:45	Other Bird Species arrive (mostly Introd. Sparrows)	
6:48	1 Kea departs to Beech tree stand	
6:54	1 Kea departs for Mingha River - calling loudly	
6:56	4 Kea depart to Mingha River	
7:01	1 Kea departs to forested hill to west (0 Kea at site)	

Weather update

Air Temp: 4.3° Celsius, Poor Visibility, Fog dropping, Wind - Calm

7:10 Depart Site

EXTRA INFORMATION (Banded Kea present this morning)

R=Right L=Left Si=Silver Rd=Red Ye=Yellow Bk=Black Bl=Blue Gn=Green

Banded Kea (x4) : (R-Si), (R-Ye, L-Si), (R-Ye/Rd, L-Ye/Si), (R-Rd, L-Bk/Si)

AM OBSERVATIONS Max. Total Kea = 11**Weather**Air Temperature : **Minus 1.3°** Celsius, 0/8 Cloud Cover, Clear Sky, Wind - Calm

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
4:31	Arrive at site (No Kea Present)	
4:42	2 Kea arrive (2 Juvenile)	2J = 2
4:45	Kea on-site commence calling	
4:47	1 Kea arrives to Beech tree stand	
4:57	2 Kea arrive (2 Adult)	2J + 2A = 4
4:58	1 Kea arrives (1 adult) from trees	2J + 3A = 5
5:04	All Kea calling loudly	
5:10	Kea heard near Mt O'Malley	
5:12	Kea heard in Halpins Creek area	
5:26	1 Kea arrives (1 Juvenile) from Halpins Creek	3J + 3A = 6
5:35	3 Kea arrive (1 Juvenile, 2 Adult) from Mt O'Malley	4J + 5A = 9
5: 43	FIRST LIGHT	

Weather updateAir Temp: **Minus 2.1°** Celsius, 0/8 Cloud Cover, Frost formming, Wind - Calm

5:50	Photo (Flash) 1 Kea (1.8m, F22, 50mm, 125/s, 200ASA)	
5:53	ALL Kea on-site screaming / calling (very loud)	
6:03	1 Kea arrives (1 Adult) from ???	4J + 6A = 10
6:15	1 Kea arrives (1 Juvenile) from Halpins Creek	5J + 6A = 11
6:27	3 Kea depart to Beech tree stand	
6:31	1 Kea depart to Beech tree stand	
6:40	3 Kea from trees depart for Mingha River	
6:47	2 Kea depart for Mt O'Malley	
6:48	1 Kea departs for Halpins Creek	
6:57	2 Kea depart to Beech tree stand	
6:57	1 Kea from trees depart for Halpins Creek	
7:01	2 Kea depart to Beech tree stand (No Kea on-site)	
7:07	GOOD LIGHT - Keas in trees calling very loudly	
7:11	4 Kea from trees depart for Mingha River	
7:15	Depart site	

Weather updateAir Temp: **Minus 2.5°** Celsius, 0/8 Cloud Cover, Ice forming, Wind - Calm**EXTRA INFORMATION** (Banded Kea present this morning)

R=Right L=Left Si=Silver Rd=Red Ye=Yellow Bk=Black Bl=Blue Gn=Green

Banded Kea (x1) : (R-Ye, L-Si)

PM OBSERVATIONS Max. Total Kea = 10**Weather**

Air Temperature 9.1° Celsius, 7/8 Cloud Cover, Wind - Light N, Moon - ¼ visible

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
16:56	Arrive at site (No Kea Present)	
Note : Traffic Noise (Hwy 73) is fairly constant		
17:26	Kea heard (1) along Mingha Bluffs	
17:28	As Above	
17:30	1 Kea spotted flying high over Halpins Creek T.R. ridgeline	
17:36	2 "	"
17:39	Other Bird Species arrive at site (Sparrows mostly)	
18:08	SUNSET (Other Bird Species have departed)	
Note : Traffic Noise abated.		
18:09	D.o.C. Conservation Officer visits	
18:11	Coal Train passes	
18:20	Kea (2) arrive to Beech tree stand	
18:29	Kea (2) heard rounding Mingha corner	
18:30	Kea (1) arrives to Beech stand	
18:34	Kea arrives (1 Adult)	1A = 1
18:35	Kea (1) arrives to Beech stand	
18:39	" "	
18:42	Kea arrive (3 Adult) from trees	4A = 4
18:44	All Keas calling (Site & trees)	
18:54	Kea arrive (2 Juvenile)	4A + 2J = 6
19:03	Kea heard calling from Mt O'Malley flanks	

Weather update

Air Temp: 4.8° Celsius, 1/8 Cloud Cover, Wind - Calm, Moon - ¼ visible

19:05	Kea arrive (2 Juvenile)	4A + 4J = 8
19:10	Photo (Flash) Kea at boots (1.8m, F22, 50mm, 125/s, 200ASA)	
19:11	Kea arrive (2 Adult)	6A + 4J = 10
19:15	Photo (Flash) Kea at head-torch (2m, F16, 55mm, 125/s, 200ASA)	
19:18	Juvenile Kea calling loudly	
19:20	Photo (Flash Failed)	
19:29	3 Kea heard on Mt O'Malley flanks	
19:34	3 Kea depart to ??? (couldn't track in dark)	
19:40	2 Kea depart to Beech stand	
19:42	2 Kea depart up the Bealey Valley	
19:44	2 Kea departs for Mt O'Malley	
19:45	1 Kea departs to Beech stand (No Kea on-site)	
19:52	Depart site	

Weather update

Air Temp: 4.7° Celsius, 0/8 Cloud Cover, Clear, Wind - Calm

EXTRA INFORMATION (Banded Kea present this evening)

R=Right L=Left Si=Silver Rd=Red Ye=Yellow Bk=Black Bl=Blue Gn=Green

Banded Kea (x1) : (R-Ye, L-Si)

AM OBSERVATIONS Max. Total Kea = 21**Weather**

Air Temperature : 6.1° Celsius, 1/8 Cloud Cover, Wind - Calm, Moon - Nil

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
4:34	Arrive at site (1 Adult Kea present in tip)	1A = 1
4:38	3 Kea arrive (2 Adult, 1 Juvenile)	1J + 3A = 4
4:43	Kea heard on Mt O'Malley flanks	
4:59	Morpork (owl) heard in forest over Halpins Creek	
5:03	Young Kea near me picking up & throwing rocks	
5:24	Kea heard calling from Mingha Bluff area	
5:33	" "	
5:45	FIRST LIGHT - Kea on-site calling loudly	

Weather update

Air Temp: 3.3° Celsius, 0/8 Cloud Cover, Wind - Slight Northerly

5:50	2 Kea arrive (2 Adult)	1J + 5A = 6
5:52	All Kea calling loudly	
5:59	2 Kea arrive (2 Juvenile)	3J + 5A = 8
6:09	2 Kea arrive (2 Juvenile)	5J + 5A = 10

Weather update

Air Temp: 2° Celsius, 1/8 Cloud Cover, Wind - Slight Northerly

6:12	Photo (Flash) 3 Kea (2.2m, F8, 35mm, 125/s, 200ASA)	
6:15	All Keas screaming disturbed warning calls (no predators seen!)	
6:18	2 Kea arrive (2 Adult)	5J + 7A = 12
6:22	Coal train passes	
6:24	3 Kea arrive (3 Adult)	5J + 10A = 15
6:26	2 Kea arrive (1 Juvenile, 1 Adult)	6J + 11A = 17
6:30	3 Kea arrive (3 Adult)	6J + 14A = 20
6:32	Photo (Flash) Kea on car wreck (3m, F5.6, 50mm, 125/s, 200ASA)	
6:33	1 Kea arrives (1 Juvenile)	7J + 14A = 21

Weather update

Air Temp: 3.2° Celsius, 3/8 Cloud Cover, Wind - Fresh Southerly

6:35	4 Kea depart to Beech stand	
6:36	2 Kea depart to Mt O'Malley	
6:38	3 Kea depart to trees on Halpins Creek	
6:40	2 Kea depart to Beech stand	
6:44	2 Kea depart to Halpins Creek	
6:47	5 Kea depart trees to Mt O'Malley	
6:49	SUNRISE COLOURS	
6:51	Other Bird Species arrive	
6:55	5 Kea depart to Mt O'Malley	
6:57	1 Kea returns to site from trees	
7:03	1 Kea departs to Mt O'Malley	
7:08	1 Kea departs to Beech stand	

Note : 2 Kea remaining are youngest of flock

7:12 2 Kea departs to Beech stand (No Kea on-site)

7:15 Depart Site

Weather update

Air Temp: 4.9° Celsius, 4/8 Cloud Cover, Rain Pending, Wind - Slight Northwest

EXTRA INFORMATION (Banded Kea present this morning)

R=Right L=Left Si=Silver Rd=Red Ye=Yellow Bk=Black Bl=Blue Gn=Green, Wh=White

Banded Kea (x8) : (R-Ye, L-Si), (R-Rd, L-Si/Bk), (R-Wh/Bl, L-Si), (R-Ye/Rd, L-Si), (R-Ye/Rd, L-Ye/Si), (L-Si), (R-Si), (R-Wh)

PM OBSERVATIONS Max. Total Kea = 25**Weather**

Air Temperature 7.1° Celsius, 8/8 Cloud Cover, Steady Rain, Wind - Calm

Time	Activity	Kea Present
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Note : A great deal of new rubbish is very noticable in tip

17:42	Arrive at site (No Kea Present)	
17:45	Kea heard on forested hill west of site	
17:52	Kea heard on Mt O'Malley flanks	
17:57	2 Kea seen/heard flying Mt O'Malley to forested hill west of site	
17:58	1 Kea arrives to Beech stand from Mt O'Malley	
18:04	Keas heard calling & answering in most directions from site.	
18:11	3 Kea arrive to Beech stand from Mt O'Malley	
18:14	SUNSET	
18:15	1 Kea arrives to Beech stand from forested hill west of site	
18:16	1 Kea arrives to Beech stand from Mt O'Malley	
18:19	" "	
18:23	Kea from tree does low flight over site but returns to tree	
18:25	RAIN CEASES	
18:26	3 Kea arrive (2 Juvenile, 1 Adult) - Coal train passes	2J + 1A = 3
18:31	Photo (Flash) 2 Kea ripping mattresses (2.5m, F11, 50mm, 125/s, 200ASA)	
18:32	5 Kea arrive (5 Adult)	2J + 6A = 8
18:37	6 Kea arrive (4 Juvenile, 2 Adult)	6J + 8A = 14
18:40	5 Kea arrive (3 Juvenile, 2 Adult)	9J + 10A = 19
18:45	5 Kea arrive (1 Juvenile, 4 Adult)	10J + 14A = 24

Weather update

Air Temp: 6.2° Celsius, 8/8 Cloud Cover, Drizzle, Wind - Calm, Moon - ¼ visible

18:50	All Kea are in tip being destructive	
18:58	Kea heard calling from Mt O'Malley flanks	
19:01	1 Kea arrives (1 Adult)	10J + 15A = 25
19:12	6 Kea depart to Beech tree stand	
19:21	Keas heard calling from forest south of site, on-site Keas return call	
19:28	2 Kea depart for forested hill west of site	
19:38	4 Kea depart for Beech tree stand	
19:41	3 Kea dart for ???	
19:45	4 Kea depart to Beech trees	
19:46	Keas in trees calling loudly	
19:49	2 Kea depart up Halpins Creek	
19:54	3-5 Kea depart trees towards Mt O'Malley	
19:58	2 Kea depart to ???	
20:05	1 Kea departs to Mt O'Malley (No Kea on-site)	
20:07	Depart Site	

Weather update

Air Temp: 5.9° Celsius, 6/8 Cloud Cover, Clearing, Wind - Calm, Moon - ¼ visible

EXTRA INFORMATION (Banded Kea present this evening)

R=Right L=Left Si=Silver Rd=Red Ye=Yellow Bk=Black Bl=Blue Gn=Green, Wh=White

Banded Kea (x5) : (R-Rd/Bk, L-Rd/Si), (R-Si), (R-Ye/Bk, L-Ye/Si), (R-Ye/Rd, L-Si), (R-Bl/Bk, L-Si)

PM OBSERVATIONS Max. Total Kea = 21**Weather**

Air Temperature 7.5° Celsius, 0/8 Cloud Cover, Clear, Wind - Calm, Moon - ½ visible

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
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17:27 Arrive at site (No Kea Present)

17:30 Coal train passes

Note : No Kea heard anywhere since arrival18:10 **SUNSET****Weather update**

Air Temp: 3.7° Celsius, 0/8 Cloud Cover, Clear, Wind - Calm, Moon - ½ visible

18:11 2 Kea seen on Mt O'Malley ridge above Mingha junction

18:17 2 Kea heard on forested hill west of site

18:21 1 Kea flies from O'Malley to forested hill west of site

18:25 3 Kea arrive at Beech tree stand

18:28 3 Kea arrive (3 Adult) from trees

3A = 3

18:31 1 Kea arrives (1 Adult)

4A = 4

18:32 5 Kea arrive (5 Adult)

9A = 9

18:34 All kea calling very loudly

18:35 2 Kea arrive (1 Adult, 1 Juvenile)

10A + 1J = 11

18:37 4 Kea arrive (2 Adult, 2 Juvenile)

12A + 3J = 15

Note : All Kea are in Tip

18:38 2 Kea arrive (2 Juvenile)

12A + 5J = 17

18:43 2 Kea arrive (2 Adult)

14A + 5J = 19

Note : Kea are fighting quite alot tonight18:50 **LAST LIGHT**

18:51 2 Kea arrive (2 Adult)

16A + 5J = 21

19:01 Coal train passes

19:05 Photo (Flash) Kea Group (2.5m, F11, 50mm, 125/s, 200ASA)

19:11 2 Kea depart to Beech tree stand

19:13 2 Kea depart to Beech tree stand

Weather update

Air Temp: 2.7° Celsius, 0/8 Cloud Cover, Clear, Wind - Calm, Moon - ½ visible

19:17 Kea heard in direction of Mt O'Malley

19:20 1 Kea arrives (1 Adult) Maybe a return of same group

Note : Dew beginning to settle. Kea don't appear to be going anywhere in a hurry, possibly because Moon is quite bright, and providing good light.

19:55 Depart Site - (18 Kea still present)

20:51 Return Site - (7 Kea present)

Weather update

Air Temp: 1.9° Celsius, 0/8 Cloud Cover, Clear, Wind - Calm, Moon - ½ setting

21:02 Kea appear settled in Tip

21:10 Depart site (7 Kea still present)

EXTRA INFORMATION (Banded Kea present this evening)

R=Right L=Left Si=Silver Rd=Red Ye=Yellow Bk=Black Bl=Blue Gn=Green, Wh=White

Banded Kea (x7) : (R-Ye/Si, L-Ye/Rd), (L-Si), (R-Ye/Rd, L-Si), (R-Si), (R-Ye/Bk, L-Ye/Si), (R-Rd, L-Si/Bk), (R-Rd)

AM OBSERVATIONS Max. Total Kea = 22**Weather**

Air Temperature : 6.1° Celsius, 0/8 Cloud Cover, Clear, Wind - Calm, Moon - Nil

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
4:41	Arrive at site (2 Juvenile Kea present in tip)	2J = 2
4:46	3 Kea arrive (3 Adult)	3A + 2J = 5
4:49	2 Kea arrive (2 Adult)	5A + 2J = 7
4:56	3 Kea arrive (2 Adult, 1 Juvenile)	7A + 3J = 10
5:00	All Kea on-site calling	
5:03	Kea heard in Halpins Creek, Forested hill to west & Halpins Creek	
5:11	Kea on-site taking turns calling	
5:17	Coal train passes	
5:18	All Kea calling very loudly	
5:19	3 Kea arrive (2 Adult, 1 Juvenile)	9A + 4J = 13

Note : All Kea on gravel & grass to east of Tip

5:29 Kea heard calling from Mingha Bluffs area

Weather update

Air Temp: 2.9° Celsius, 0/8 Cloud Cover, Clear, Dew Settling, Wind - Slight Southerly

5:55	FIRST LIGHT	
6:02	4 Kea arrive (3 Adult, 1 Juvenile)	12A + 5J = 17
6:08	12 Kea have surrounded me in half-circle (1.5m radius)	
6:15	5 Kea arrive (4 Adult, 1 Juvenile)	16A + 6J = 22
6:20	Photo (Flash) 2 Kea on Bike (1.5m, F16, 50mm, 125/s, 200ASA)	
6:23	Photo (Flash) 1 Kea on Bike wheel (1.2m, F16, 50mm, 125/s, 200ASA)	
6:31	SUNRISE (COLOURS INTENSE)	
6:40	2 Kea calling from forested hill west of site, on-site Kea answer	
6:41	1 Kea departs for Beech tree stand	
6:42	2 Kea depart for Beech tree stand	
6:44	8 Kea from site + 3 Kea from trees depart for Mt O'Malley	
6:47	1 Kea departs for Mt O'Malley, 1 Kea departs for Beech tree stand	
6:48	Coal train passes	
6:49	2 Kea depart for Mingha Valley	
6:50	Other bird species arrive (Hedge Sparrows, Chaffinch)	
	Note : Most Adult Kea show signs of plumage moulting during flight.	
6:58	6 Kea depart for Mt O'Malley	
6:59	3 Kea depart to Beech tree stand (No Kea on-site)	
7:01	Depart site	

Weather update

Air Temp: 3.7° Celsius, 4/8 Cloud Cover, Gloomy, Wind - Fresh Southerly

EXTRA INFORMATION (Banded Kea present this morning)

R=Right L=Left Si=Silver Rd=Red Ye=Yellow Bk=Black Bl=Blue Gn=Green, Wh=White

Banded Kea (x6) : (R-Ye/Rd, L-Si), 2x (R-Si), (R-Rd/Bk, L-Rd/Si), (R-Ye/Bk, L-Ye/Si), (R-Ye/Rd, L-Si)

PM OBSERVATIONS Max. Total Kea = 20**Weather**

Air Temperature 7.4° Celsius, 4/8 Cloud Cover, Light Drizzle, Wind - Light Northerly,
Moon - ½ behind Cloud

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
17:45	Arrive at site with Robin Smith (D.o.C) (No Kea Present)	
Note : NZ Falcon present in Beech tree stand on arrival!!!!		
17:48	Falcon departs for Mt O'Malley forested flanks	
18:02	SUNSET	
Note : Moon - ½ now visible		
18:11	2 Kea circling over forested ridge to west	
18:13	1 Kea from Mt O'Malley to forested hill to west	
18:16	1 Kea arrives to Beech tree stand (calling loudly)	
18:18	NZ Falcon flies directly overhead towards Mingha Bluffs	
18:24	4 Kea arrive to Beech tree stand	
18:26	3 Kea arrive (2 Adult, 1 Juvenile)	2A + 1J = 3
18:29	2 Kea arrive (2 Adult)	4A + 1J = 5
18:30	Coal train passes	
18:31	2 Kea arrive (2 Adult)	6A + 1J = 7
18:34	1 Kea arrives(1 adult)	7A + 1J = 8
18:38	3 Kea aarrive (3 Adult)	10A + 1J = 11
18:44	2 Kea arrive (2 Juvenile)	10A + 3J = 13

Weather update

Air Temp: 5.7° Celsius, 2/8 Cloud Cover, Rain Stops, Wind - Calm, Moon - ½ visible

18:56	Coal train passes	
18:57	Morpork (Owl) arrives - sitting on rock close to tip	
19:00	4 Kea arrive (2Adult, 2 Juvenile)	12A + 5J = 17
19:03	2 Kea arrive (1 Adult, 1 Juvenile)	13A + 6J = 19
19:05	1 Kea arrives (1 Juvenile)	13A + 7J = 20
19:07	5 Kea fighting in Tip, causing a huge disturbance.	
19:20	Morpork departs	
19:31	1 Kea departs to Beech tree stand	
19:33	1 Kea departs to forested hill west of site	
19:40	All Kea calling loudly	
19:42	1 Kea arrives (1 Adult) - think it is same as flew to beech stand	

Weather update

Air Temp: 5.3° Celsius, 1/8 Cloud Cover, Wind - Calm, Moon - ½ visible

19:59	All Kea foraging in tip	
20:05	1 Kea departs to Beech tree stand	
20:14	1 Kea departs for Halpins Creek area	
20:20	Depart site (18 Kea look settled in Tip)	

Note : Assume Kea will stay at site till Moon sets over ridge in 2 hours time.

EXTRA INFORMATION (Banded Kea present this evening)

R=Right L=Left Si=Silver Rd=Red Ye=Yellow Bk=Black Bl=Blue Gn=Green, Wh=White

Banded Kea (x5) : (R-Wh, L-Si), (L-Si), (R-Ye/Si, L-Ye/Rd), (R-Ye/Rd, L-Si), (R-Bl, L-Si)

DATE : 16th April, 1997

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AM OBSERVATIONS Max. Total Kea = 5

Weather

Air Temperature : 4.3° Celsius, 8/8 Cloud Cover, Light Rain / Sleet, Wind - Calm

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
4:32	Arrive at site (1 Adult Kea present in tip)	1A = 1
4:38	2 Kea arrive (2 Adult)	3A = 3
4:41	2 Kea arrive (2 adult)	5A = 5
4:45	RAIN BECOMING HEAVY (some hail)	
4:52	3 Kea depart for (Mt O'Malley ?)	
4:58	1 Kea departs	
5:07	Coal train passes	
5:15	1 Kea departs (No Kea on-site)	

Weather update

Air Temp: 4.7° Celsius, 8/8 Cloud Cover, Steady Rain, Wind - Calm

5:25 Depart site

6:31 Return site (No Kea present)

Weather update

Air Temp: 2.1° Celsius, 8/8 Cloud Cover, Steady Rain / Sleet, Wind - Slight Southerly

7:01 Depart site

Weather update

Air Temp: 1.6° Celsius, 8/8 Cloud Cover, Sleet / Snow above 900m, Wind - Slight Southerly

Note : At 7:40am it commenced snowing down to an altitude of 690 metres, and continued snowing until 10:30am. The tops above 1300 metres received 10cm of fresh snow. The snow at village level had melted away by 13:00pm.

EXTRA INFORMATION (Banded Kea present this morning)

R=Right L=Left Si=Silver Rd=Red Ye=Yellow Bk=Black Bl=Blue Gn=Green, Wh=White

Banded Kea (x1) : (R-Ye/Rd, L-Ye/Si)

PM OBSERVATIONS Max. Total Kea = 34 (the record thus far)**Weather**

Air Temperature 4.4° Celsius, 3/8 Cloud Cover, Wind - Calm, Moon - Not risen

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
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17:39 Arrive site (No Kea Present)

Note : Tip is on fire !

17:46 7 Kea seen / heard circling Mingha Bluffs

17:56 5 Kea seen flying 300 metres overhead to Mt O'Malley

18:01 **SUNSET**

18:06 5 Kea flying over ridge to west

Note : Fire burning very intense, with occasional explosions. Also note that fire has been lit illegally (ie. no fire permit issued to council)

18:12 7 Kea seen circling ridge crest

18:14 3 Kea arrive to Beech tree stand (calling loudly)

18:16 3 Kea arrive to Beech tree stand (circling smoke plume on way in)

18:19 4 Kea arrive (4 Adult) from trees 4A = 418:22 **MASSIVE EXPLOSION** in tip (Most Kea leave temporarily)18:25 7 Kea arrive (4 Adult, 3 Juvenile) 8A + 3J = 11

18:26 Photo (Flash) 3 Kea (2m, F16, 50mm, 125/s, 200ASA)

18:27 4 Kea arrive (4 Adult) 12A + 3J = 1518:35 5 Kea arrive (3 Adult, 2 Juvenile) 15A + 5J = 20

18:36 Photo (Flash) 2 Kea (1.5m, F22, 70mm, 125/s, 200ASA)

18:43 Tourist arrive to photograph Kea

18:50 3 Kea arrive (3 Adult) 18A + 5J = 23

18:55 Tourist leave

18:56 Photo (Flash) Kea Silhouette (4m, F8, 70mm, 125/s, 200ASA)

Weather updateAir Temp: **minus 2.7° Celsius**, 1/8 Cloud Cover, Wind - Calm, Moon - ½ visible18:59 4 Kea arrive (4 Adult) 22A + 5J = 2719:03 5 Kea arrive (3 Adult, 2 Juvenile) 25A + 7J = 32

19:05 Coal train passes

19:26 3 Kea depart to Beech tree stand (=29)

19:33 2 Kea depart to Beech tree stand (=27)

19:35 5 Kea arrive (4 Adult, 1 Juvenile) 26A + 6J = 3219:37 2 Kea arrive (1 Adult, 1 Juvenile) 27A + 7J = 34

19:45 2 Kea depart for Halpin's Creek area

19:54 3 Kea are fighting constantly, lots of unrest with so many Kea

Weather updateAir Temp: **minus 2.7° Celsius**, 0/8 Cloud Cover, Wind - Calm, Moon - ½ visible

20:12 3 Kea depart for Beech tree stand (Calling)

20:21 Depart site (Ice settling on everything)

Note : Assume Kea will stay at site till Moon sets over ridge in 2½ hours time.**EXTRA INFORMATION (Banded Kea present this evening)**

R=Right L=Left Si=Silver Rd=Red Yc=Yellow Bk=Black Bl=Blue Gn=Green, Wh=White

Banded Kea (x7) : (R-Rd, L-Si/Bk), (R-Ye/Bk, L-Ye/Rd), (L-Si), (R-Si), (R-Bk, L-Wh/Si),

(R-Ye/Rd, L-Ye/Si), (R-Ye/Si, L-Ye/Bk)

DATE : 17th April, 1997

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PM OBSERVATIONS Max. Total Kea = 27

Weather

Air Temperature 8.6° Celsius, 5/8 Cloud Cover, Wind - Slight Northerly, Moon - Not risen

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
17:58	Arrive site (No Kea Present)	
18:03	SUNSET - Anita (D.o.C) arrives to take Kea photographs	
18:14	1 Kea arrives to Beech tree stand from Mt O'Malley	
Note : Tip still burning, a good deal of smoke		
18:16	2 Kea arrive to Beech tree stand from Mt O'Malley	
18:19	1 "	"
18:21	3 "	"
18:22	1 Kea arrives to Beech tree stand from Mingha Valley	
18:25	2 Kea arrive (2 Adult)	2A = 2
18:26	1 Kea arrives (1 Adult)	3A = 3
18:27	2 Kea arrive (1 Adult, 1 Juvenile)	4A + 1J = 5
18:28	1 Kea arrive (1 Adult)	5A + 1J = 6
18:30	4 Kea arrive (4 Adult)	9A + 1J = 10
18:32	4 Kea arrive (4 Adult)	13A + 1J = 14
18:35	2 Kea arrive (2 Adult)	15A + 1J = 16
18:37	Photo (Flash) 3 Kea (1.8m, F16, 50mm, 125/s, 200ASA)	
18:38	Coal train passes	
18:41	3 Kea arrive (2 Adult, 1 Juvenile)	17A + 2J = 19

Weather update

Air Temp: 6.6° Celsius, 5/8 Cloud Cover, Wind - Slight Northerly, Moon - ½ hidden behind cloud

18:46	5 Kea arrive (5 Adult)	22A + 2J = 24
18:51	Photo (Flash) Kea eating window seal (1.9m, F16, 50mm, 125/s, 200ASA)	
18:52	Individual Kea taking turns screaming	
18:59	3 Kea arrive (3 Juvenile)	22A + 5J = 27
19:14	All Kea foraging in Tip, except 3 which are pulling grass shoots	
19:19	3 Kea depart for Beech tree stand - calling intermittently	
19:26	DRIZZLE RAIN COMMENCING	
19:33	5 Kea depart for Mt O'Malley - Rain increasing	
19:41	RAIN BECOMING HEAVY	
19:45	6 Kea depart for Halpin's Creek area	

Weather update

Air Temp: 6.2° Celsius, 7/8 Cloud Cover, Heavy Rain, Wind - Fresh Northwest, Moon - ½ hidden

19:51	5 Kea move to Beech tree stand
19:53	2 Kea depart for ???
19:59	1 Kea departs to Beech tree stand
20:01	3 Kea fly to forest south of Halpin's Creek
20:05	2 Kea depart to ???
20:10	Depart site (No Kea on-site)

Weather update

Air Temp: 6° Celsius, 7/8 Cloud Cover, Heavy Rain, Wind - Fresh Northwest, Moon - ½ hidden

EXTRA INFORMATION (Banded Kea present this evening)

R=Right L=Left Si=Silver Rd=Red Ye=Yellow Bk=Black Bl=Blue Gn=Green, Wh=White

Banded Kea (x7) : (R-Ye/Rd, L-Si), (R-Wh, L-Si), (R-Si), (L-Si), (R-Ye/Bk, L-Ye/Rd), (R-Ye/Rd, L-Wh/Si), (R-Wh/Si, L-Wh-Bk)

AM OBSERVATIONS Max. Total Kea = 1**Weather**

Air Temp: 5.6° Celsius, 6/8 Cloud Cover, DRIZZLE, Wind - Strong Northwesterly

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
4:37	Arrive site (No Kea Present)	
4:46	1 Kea arrives (1 Adult)	1A = 1
4:51	1 Kea departs - RAIN & WIND INCREASING	
5:03	2 Kea arrive to Beech tree stand	
5:15	1 Kea arrives to Beech tree stand	

Weather update

Air Temp: 5.4° Celsius, 6/8 Cloud Cover, RAIN, Wind - Strong Northwesterly

5:30	1 Kea arrives (1 Adult)	1A = 1
5:32	Kea in trees are calling very loudly	
5:57	FIRST LIGHT	
6:02	1 Kea departs to Halpin's Creek	
6:05	Kea in trees also depart for Halpin's Creek	
6:12	Coal train passes	
6:35	SUNRISE	

Weather update

Air Temp: 5.6° Celsius, 7/8 Cloud Cover, Squally Rain, Wind - Strong Northwesterly

6:42	2 Kea fly overhead screaming
6:56	1 Kea heard on flanks of Mt O'Malley
7:05	Depart site (No Kea present)

Weather update

Air Temp: 5.8° Celsius, 7/8 Cloud Cover, Heavy Rain, Wind - Strong Northwesterly

EXTRA INFORMATION**Definitions...****FIRST LIGHT** - Stars starting to fade, can make out objects and contrasting colours.**SUNRISE** - Sky is clear of stars, can read & write without aid of a flashlight, some colouring of sky towards east.**Note** : There is not enough natural light until about **7:25am** for photographic purposes, dependant on cloud cover & conditions.**KEA SIGHTINGS IN THE VILLAGE AREA**

These have been extremely random. A Kea tends to infrequently visit the A.P. Tearooms about 7am to 8am (Lincoln is his name). A Kea also visits the Mountain House Backpacker premises late at night (22:00 to 02:00) looking for campsites to pillage. 2 Kea visit & perch in trees on top of Brake Hill Road during daylight hours, but their arrival is unpredictable (I hear & see them from my home).

2 Kea have been sighted up at Temple Basin Ski Field in the past week, but are very shy of human interaction. Kea have also been noted above the tree-line on Scott's track to Avalanche Peak following day-hikers to the summit.

AM OBSERVATIONS Max. Total Kea = 21**Weather**

Air Temp: 4.6° Celsius, 8/8 Cloud Cover, RAIN / SLEET, Wind - Calm

Note : Previous 24 hours has been intense Northwest Rain (All rivers flooding!)

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
4:41	Arrive site (No Kea Present)	
4:50	Kea heard calling from Mt O'Malley flanks	
4:52	2 Kea arrive to Beech tree stand (Calling)	
5:07	2-3 Kea arrive to Beech tree stand	
5:11	1 Kea arrives (1 Adult)	1A = 1
5:12	2 Kea arrive (2 Adult)	3A = 3
5:16	3 Kea arrive (1 Adult, 2 Juvenile)	4A + 2J = 6
5:21	2 Kea arrive (2 Adult)	6A + 2J = 8
5:24	Coal train passes	
5:27	3 Kea arrive (3 Adult)	9A + 2J = 11
Note : Rain has eased to very light DRIZZLE / SLEET		
5:33	2 Kea arrive (2 Juvenile)	9A + 4J = 13
Note : All Kea now in tip foraging		
5:39	1 Kea arrives (1 Adult)	10A + 4J = 14
5:42	2 Kea arrive (1 Adult, 1 Juvenile)	11A + 5J = 16
5:52	2 Kea arrive (1 Adult, 1 Juvenile)	12A + 6J = 18
6:00	FIRST LIGHT	

Weather update

Air Temp: 3.2° Celsius, 8/8 Cloud Cover, Intermittent Drizzle / Sleet, Wind - Slight Northerly

6:07	3 Kea arrive (3 Adult)	15A + 6J = 21
6:12	Photo (Flash) 1 Kea (2.8m, F16, 50mm, 125/s, 200ASA)	
6:17	Photo (Flash) 2 Kea (2.5m, F11, 70mm, 125/s, 200ASA)	
6:20	Photo (Flash) 1 Kea (1.5m, F16, 50mm, 125/s, 200ASA)	
6:31	3 Kea depart to Beech tree stand	
6:33	SUNRISE	
6:37	4 Kea depart to Beech tree stand (calling)	
6:40	3 Kea depart to Mt O'Malley	
6:48	6 Kea are walking towards Beech tree stand	
6:52	Other Bird Species arrive	
7:02	DRIZZLE becoming persistent	
7:06	4 Kea leave trees for Mingha Valley	
7:08	4 Kea depart to Beech tree stand (calling loudly)	
7:11	3 Kea depart trees to Mt O'Malley (all Kea on-site calling loudly)	
7:13	4 Kea depart (1 to Mt O'Malley, 3 to Beech tree stand)	
7:18	3 Kea return to site	
7:21	3 Kea depart to Beech tree stand	
7:24	3 Kea depart to Mingha Valley	
7:27	Depart site (No Kea on-site)	

Weather update

Air Temp: 4° Celsius, 8/8 Cloud Cover, Drizzle / Fog, Wind - Slight Northerly

EXTRA INFORMATION (Banded Kea present this morning)

R=Right L=Left Si=Silver Rd=Red Ye=Yellow Bk=Black Bl=Blue Gn=Green Wh=White

Banded Kea (x2) : (R-Si), (R-Wh/Rd, L-Wh/Si)

AM OBSERVATIONS Max. Total Kea = 18**Weather**Air Temp: **Minus 2°** Celsius, 0/8 Cloud Cover, Valley Mist, Wind - Calm**Note :** Within previous 24 hours snow has fallen to 900 metres ASL.

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
4:40	Arrive site (No Kea Present)	
4:55	2 Kea arrive (2 Adult)	2A = 2
5:07	Kea have moved to area under cut brush (escaping the cold?)	
5:27	MAJOR ROCKFALL heard on slopes west of site	
5:29	1 Kea moved to Tip (now foraging)	

Weather updateAir Temp: **Minus 4.1°** Celsius, 0/8 Cloud Cover, Mist has cleared, Wind - Calm

5:45	1 Kea arrives (1 Adult)	3A = 3
6:02	FIRST LIGHT (Temp. = Minus 4.6° Celsius) Frost settling	
6:07	1 Kea arrives (1 Adult) All Kea on-site calling	4A = 4
6:11	2 Kea arrive (2 Adult)	6A = 6
6:26	Photo (Flash) 1 Tagged Kea (1.8m, F16, 50mm, 125/s, 200ASA)	
6:27	1 Kea arrive (1 Adult) All Kea on-site calling	7A = 7

Weather updateAir Temp: **Minus 6°** Celsius, 0/8 Cloud Cover, Some Mist, Wind - Slight Southerly

6:37	Photo (Flash) 4 Kea (2m, F16, 50mm, 125/s, 200ASA)	
6:38	Photo (Flash) 4 Kea (1.8m, F16, 50mm, 125/s, 200ASA)	
6:39	SUNRISE	
6:40	2 Kea arrive (2 Juvenile)	7A + 2J = 9
6:42	4 Kea arrive (4 Adult)	11A + 2J = 13
6:44	5 Kea arrive (3 Adult, 2 juvenile)	14A + 4J = 18
6:45	Many Kea heard in Beech tree stand & Mingha Bluffs	
6:48	Other Bird Species arrive	
6:49	1 Kea departs for Halpin's Creek	
6:50	Counted 7 Kea perched in Beech tree stand - they haven't visited site.	
6:51	2 Kea depart for Beech tree stand	
6:52	5 Kea depart to Beech tree stand	
6:54	4 Kea depart for Mt O'Malley, 4 Kea depart trees to Halpin's Creek	
6:55	4 Kea depart to Halpin's Creek, 2 Kea depart trees to Mt O'Malley	
6:57	2 Kea depart trees to Mt O'Malley, 1 Kea depart trees to forest west of site	
6:58	1 Kea departs for Mt O'Malley	
6:59	1 Kea to Beech tree stand	
7:00	6 Kea depart trees to Mt O'Malley	
7:05	Depart site (No Kea on-site)	

Weather updateAir Temp: **Minus 7.3°** Celsius, 0/8 Cloud Cover, Valley Mist, Wind - Calm, ICE FORMING**EXTRA INFORMATION (Banded Kea present this morning)**

R=Right L=Left Si=Silver Rd=Red Ye=Yellow Bk=Black Bl=Blue Gn=Green Wh=White

Banded Kea (x2) : (R-Si), (R-Wh/Rd, L-Wh/Si)

PM OBSERVATIONS Max. Total Kea = 36 (the record thus far)**Weather**

Air Temp: 4.4° Celsius, 7/8 Cloud Cover, Misty on tops, Wind - Slight Northerly

Time	Activity	Kea Present
17:50	Arrive site (No Kea Present)	
17:55	SUNSET	
17:56	1 Kea arrives to Beech tree stand (Calling)	
18:01	1 Kea from Mt O'Malley to Halpin's Creek	
18:12	1 Kea arrives to Beech tree stand from Mt O'Malley	
18:13	DRIZZLE RAIN Commences	
18:14	2 Kea arrive to Beech tree stand from forested hill west of site	
18:16	3 Kea arrive to Beech tree stand from Mt O'Malley	
18:17	3 Kea arrive to Beech tree stand from Halpin's Creek	
18:18	2 Kea arrive (2 Adult) from trees	2A = 2
18:19	1 Kea arrives (1 Adult) from trees	3A = 3
18:20	3 Kea arrive (3 Adult) from trees	6A = 6
18:23	6 Kea arrive (4 Adult, 2 Juvenile)	10A + 2J = 12
18:24	4 Kea arrive (4 Adult)	14A + 2J = 16
18:25	2 Kea arrive (2 Adult)	16A + 2J = 18
18:27	2 Kea arrive (1 Adult, 1 Juvenile)	17A + 3J = 20
18:35	Photo (Flash) 1 Kea at Boot (0.7m, F22, 50mm, 125/s, 200ASA)	

Weather update

Air Temp: 3.1° Celsius, 7/8 Cloud Cover, Intermittent Drizzle, Wind - Calm, Moon - Not visible

18:40	Photo (Flash) Kea on Mat (2.5m, F11, 40mm, 125/s, 200ASA)	
18:44	Photo (Flash) Kea on Bike Wheel (2.5m, F11, 40mm, 125/s, 200ASA)	
18:46	LAST LIGHT	
18:48	5 Kea arrive (4 Adult, 1 Juvenile)	21A + 4J = 25
18:53	3 Kea arrive (3 Adult)	24A + 4J = 28
19:00	A.P.Bach owner arrives to dump household rubbish & leaves	
19:03	4 Kea arrive (2 Adult, 2 Juvenile)	26A + 6J = 32

Weather update

Air Temp: 2.5° Celsius, 4/8 Cloud Cover, Clearing, Wind - Slight Northerly, Moon - 3/4 Rising

19:12	2 Kea arrive (2 Adult)	28A + 6J = 34
19:21	2 Kea arrive (2 Adult)	30A + 6J = 36
19:31	Villager arrives to reclaim Aluminium cans	
19:39	Villager leaves - Moon rises completely over ridge. Plenty of ambient light.	

Note : Kea split 50/50, In / Out of tip

19:54 Morpork (Owl) visits, perching on same rock as previous occasion. Departs

20:05 All Kea now foraging in Tip, except 6

Note : Again the Kea don't even hint of leaving, or moving away!

20:35 No Change - Depart site (36 Kea on-site)

Weather update

Air Temp: 1.6° Celsius, 4/8 Cloud Cover, Dew falling, Wind - Calm, Moon - 3/4 visible

EXTRA INFORMATION (Banded Kea present this evening)

R=Right L=Left Si=Silver Rd=Red Ye=Yellow Bk=Black Bl=Blue Gn=Green Wh=White

Banded Kea (x12) : (R-Ye/Rd, L-Si), (R-Bk, L-Wh/Si), (R-Bl, L-Si/Bk), (R-Wh/Si),
 (R-Wh/Si, L-Wh/Bk), 2x (R-Si), (L-Si), (R-Bl/Bk, L-Rd/Si), (R-Wh/Rd, L-Wh/Si),
 (R-Ye/Bk, L-Ye/Rd)

AM OBSERVATIONS Max. Total Kea = 21**Weather**

Air Temp: 2.2° Celsius, 2/8 Cloud Cover, Wind - Slight Northwesterly

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
4:38	Arrive site (1Adult Kea Present)	1A= 1
4:44	Kea heard calling from Mt O'Malley	
4:51	2 Kea arrive (2 adult)	3A = 3
5:00	Kea calling in Beech tree stand	
5:03	2 Kea arrive (1 Adult, 1 Juvenile)	4A + 1J = 5
5:12	Note : All Kea in tip foraging	
5:25	3 Kea arrive (3 Adult)	7A + 1J = 8
5:32	1 Kea arrive (1 Juvenile)	7A + 2J = 9

Weather update

Air Temp: 2.6° Celsius, 1/8 Cloud Cover, Some Mist, Wind - Slight Northerly

5:41	1 Kea arrives (1 Adult)	8A + 2J = 10
5:52	2 Kea arrive (2 Adult) All Kea calling loudly	10A + 2J
=12		
6:13	FIRST LIGHT	
6:15	3 Kea arrive (1 Adult, 2 Juvenile)	11A + 4J = 15
6:22	2 Kea arrive (2 Adult)	13A + 4J = 17
6:31	1 Kea arrives (1 Juvenile)	13A + 5J = 18
6:32	Coal train passes	
6:34	3 Kea arrive (3 Adult)	16A + 5J = 21
6:43	SUNRISE COLOURS	

Weather update

Air Temp: 3.1° Celsius, 1/8 Cloud Cover, Some Mist, Wind - Slight Northwesterly

6:45	All Kea calling very loudly	
6:46	Other Bird Species arrive	
6:51	1 Kea departs to Beech tree stand	
6:52	1 Kea departs to Halpin's Creek	
7:00	4 Kea depart to Mt O'Malley	
7:02	3 Kea depart for Beech tree stand	
7:04	2 Kea depart trees to Mt O'Malley	
7:06	5 Kea depart for Mt O'Malley	
7:07	Kea in trees calling loudly	
7:08	2 Kea depart trees for Mingha Bluffs	
7:11	2 Kea depart to Mt O'Malley	
7:13	3 Kea depart for Mingha River + 1 Kea to forested hill west of site	
7:15	1 Kea departs to beech tree stand	
7:16	2 Kea fly overhead from Up to Down Bealey River	
7:21	Depart site (No Kea on-site)	

Weather update

Air Temp: 3.6° Celsius, 1/8 Cloud Cover, Clearing, Wind - Calm

EXTRA INFORMATION (Banded Kea present this morning)

R=Right L=Left Si=Silver Rd=Red (Ye=Yellow) Bk=Black Bl=Blue Gn=Green Wh=White

Banded Kea (x6) : (R-Si) with club foot, (R-Wh/Rd, L-Wh/Si), (R-Bl/Bk, L-Rd/Si), (R-Bk, L-Wh/Si), (L-Si), (R-Wh/Si, L-Wh/Bk)

AM OBSERVATIONS Max. Total Kea = 25**Weather**

Air Temp: 3.7° Celsius, 6/8 Cloud Cover, Looks like rain, Wind - Fresh Northerly

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
4:32	Arrive site (No Kea present)	
Note : Tip is smoldering (some smoke)		
4:49	Coal train passes	
4:52	2 Kea arrive (2 Adult)	2A = 2
4:54	2 Kea arrive (2 Adult)	4A = 4
5:03	3 Kea arrive (2 Adult, 1 Juvenile)	6A + 1J = 7
5:13	1 Kea arrives (1 Juvenile)	6A + 2J = 8
Note : All Kea outside Tip		
5:26	4 Kea arrive (4 Adult)	10A + 2J = 12
5:28	All Kea calling	

Weather update

Air Temp: 3.1° Celsius, 6/8 Cloud Cover, Drizzle, Wind - Cold Southerly

5:35	2 Kea arrive (2 Adult)	12A + 2J = 14
5:50	1 Kea arrives (1 Juvenile)	12A + 3J = 15
6:02	5 Kea arrive (or appear) (3 Adult, 2 Juvenile)	15A + 5J = 20
6:05	1 Kea arrives (1 Adult) All Kea screaming	16A + 5J = 21
6:17	FIRST LIGHT	
6:31	4 Kea arrive (3 Adult, 1 Juvenile)	19A + 6J = 25
6:37	1 Kea departs for Beech tree stand	
6:39	4 Kea depart to Beech tree stand	
6:41	3 Kea depart for Mt O'Malley	
6:45	2 Kea depart trees for Mt O'Malley	
6:48	4 Kea depart for Mingha Valley	
6:51	4 Kea depart to Beech tree stand (calling)	
Note : Probably sunrise (too much cloud to tell)		
6:55	1 Kea departs to Beech tree stand (all Kea on-site & trees calling)	
6:58	5 depart towards Mt Bealey direction	
7:02	3 Kea depart for Mt O'Malley	
Note : Kea in trees are slowly filtering back into forest to west		
7:05	Depart site (No Kea on-site)	

Weather update

Air Temp: 3.1° Celsius, 5/8 Cloud Cover, Clearing slowly, Wind - Slight Southerly

EXTRA INFORMATION (Banded Kea present this morning)

R=Right L=Left Si=Silver Rd=Red (Ye=Yellow) Bk=Black Bl=Blue Gn=Green Wh=White

Banded Kea (x8) : (R-Ye/Rd, L-Si), 2x (R-Si), (R-Wh), (R-Bl/Bk, L-Rd/Si),
 (R-Rd, L-Si/Bk), (R-Wh/Si, L-Wh/Bk), (R-Ye/Bk, L-Ye/Rd)

AM OBSERVATIONS Max. Total Kea = 15**Weather**

Air Temp: Minus 4.7° Celsius, 0/8 Cloud Cover, Clear & Frosty, Wind - Calm

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
4:37	Arrive site (No Kea present)	
4:47	2 Kea arrive to Beech tree stand (calling)	
4:49	2 Kea arrive (2 Adult)	2A = 2
4:51	2 Kea arrive (2 Adult) from trees	4A = 4
5:02	3 Kea arrive (2 Adult, 1 Juvenile)	6A + 1J = 7
Note : All Kea in tip near burning debris		
5:17	3 Kea arrive (3 Adult) Screaming	9A + 1J = 10
5:23	4 Kea arrive (3 Adult, 1 Juvenile) from Mt O'Malley	12A + 2J = 14
5:42	Coal train passes	

Weather update

Air Temp: Minus 5.5° Celsius, 0/8 Cloud Cover, Clear, Wind - Calm

5:55	All Kea calling	
6:08	1 Kea arrive (1 Adult) from Upper Bealey Valley	13A + 2J = 15
6:20	FIRST LIGHT - Kea heard in forest west of site	
6:32	1 Kea departs to Beech tree stand	
6:47	SUNRISE (??)	
6:49	Other Bird Species arrive	
6:51	3 Kea depart to Beech tree stand	
6:54	3 Kea depart to Beech tree stand	
6:57	3 Kea depart trees to Mt O'Malley	
7:00	4 Kea depart to Mt O'Malley	
7:03	Coal train passes	

Weather update

Air Temp: Minus 4.3° Celsius, 0/8 Cloud Cover, Ice forming, Wind - Calm

7:07	2 Kea depart to Beech tree stand (all Kea calling in trees)	
7:11	5 Kea depart trees to Mingha Valley	
7:14	2 Kea depart for Mt O'Malley	
7:17	Depart site (No Kea on-site)	

Weather update

Air Temp: Minus 4.4° Celsius, 0/8 Cloud Cover, Icy, Wind - Slight Southerly

EXTRA INFORMATION (Banded Kea present this morning)

R=Right L=Left Si=Silver Rd=Red (Ye=Yellow) Bk=Black Bl=Blue Gn=Green Wh=White

Banded Kea (x4) : (R-Ye/Rd, L-Ye/Bk), (R-Si), (R-Wh/Rd, L-Wh/Si), (R-Rd, L-Si/Bk)**NOTES****IN VILLAGE AREA...**

7:48	2 Kea (2 Adult) at Tearooms Carpark
7:54	2 Kea in trees on Rough Creek Rd
10:15	4 Kea seen flying over Avalanche Ridge
13:08	1 Kea (Lincoln) at Tearooms

DATE : 25th April, 1997 (Anzac day)

PAGE : 23

AM OBSERVATIONS Max. Total Kea = 9

Weather

Air Temp: 3.4° Celsius, 8/8 Cloud Cover, Drizzle & Sleet, Wind - Fresh Northwest, Moon - Ambient Light

<u>Time</u>	<u>Activity</u>	<u>Kea Present</u>
4:34	Arrive site (6 Kea present) (6 Adult)	6A = 6
4:40	2 Kea arrive (2 adult)	8A = 8
Note : Moonlight present, but fading, No Moon visible		
4:44	1 Kea arrive (1 Juvenile)	8A + 1J = 9
4:55	3 Kea depart to ???	
Note : Raining heavier		
4:58	Kea calling (chortling) in low voice	
5:04	Fine Sleet has began falling	
5:08	1 Kea departs	
5:09	Kea calling loud from Halpin's Creek area, on-site Kea returning calls	
5:15	1 Kea departs for Mingha River	
5:22	1 Kea arrives (1 Juvenile)	3A + 2J = 5

Weather update

Air Temp: 3.7° Celsius, 8/8 Cloud Cover, Drizzle, Wind - Slight Northerly

5:40	All Kea calling - all Kea are outside tip with me	
5:45	Many Kea heard calling from forests on all sides of site	
6:00	1 Kea arrives (1 Adult)	4A + 2J = 6
6:02	Kea on-site calling very loud	
6:05	Rain & Northwest Wind on increase	
6:12	Abandon site (6 Kea present) - Myself too ill to carry on!	

Weather update

Air Temp: 4° Celsius, 8/8 Cloud Cover, Rain, Wind - Fresh Northwesterly

EXTRA INFORMATION (Banded Kea present this morning)

R=Right L=Left Si=Silver Rd=Red (Ye=Yellow) Bk=Black Bl=Blue Gn=Green Wh=White

Banded Kea (x3) : (R-Ye/Rd, L-Si), (R-Wh/Si, L-Wh/Bk), (R-Bl/Rd, L-Rd/Si)

NOTES

Sorry, but couldn't carry on this morning. Have caught some (vomiting) virus like many others in town.

PS .. 2 Kea (2 Adult) at tearooms this morning! (8.30am) Pouring Rain