

Western Ringtail Possums

Introduction and Background

This 6 monthly report forms part of a monitoring protocol established between Karakamia Sanctuary and the Department of Conservation and Land Management on 22/11/95, and is an addendum to previous reports produced on 1/12/95, 1/1/96, 1/2/96, 1/3/96, 1/4/96, 1/5/96, 1/6/96, 1/7/96, 1/8/99, 1/9/96, 1/10/96 and 1/11/96, followed by data submissions on 1/12/96, 1/1/97, 1/2/97, 1/3/97, 1/4/97, 1/5/97, 1/6/97 and reports on 20/6/97, 1/12/97, 18/6/98, 7/12/98, 18/3/99, 18/6/99, 12/1/00 and 17/6/00 summarising data.

Results

Information here summarises the past 6 mths radio-tracking and spotlighting data. Included are:-

- 1) Table 1:- Details of spotlighting and radio-tracking data for the period (17/6/00 - 14/12/00: 49 records)
- 2) Tracking sheets for all radio-collared Ringtails (7 individuals)
- 3) Table 2:- Details of all Ringtails processed during the period (18 records, including new release)

Summary

Six Ringtails have been radio-tracked during the period. On 8/11/2000 a young male (progeny of F13) was captured and also radio-collared. Another young female (F21, progeny of F7) was captured and collared by CALM staff. This 'break-away' collar fell off after 2 days. Attempts have been made to recapture this animal, but it has not been seen with its parent since.

Collared Animals

F7: Released in June 1996 as an adult (ie over 4.5 years ago)

* Recaptured on 12/10/2000 with juvenile female.

F8: Released in June 1996 as an adult (ie over 4.5 years ago)

* Recaptured with embryonic young and collared on 17/10/2000

F11: Released in March 1998

* Captured on 14/7/2000 with 77g female pouch young

F13: Released in March 1998

* Captured on 8/11/2000 with 360 g male young at heel

* Penned with pouch young and released 1/12/2000

F21: Captured with F7 on 12/10/2000 as young at heel

*Recaptured to collar on 9/11/2000 released to F7 12/11/2000

*Collar found with broken strap 13/11/2000 not seen since.

M13: Captured on 8/11/2000 as young at heel of F13

*Penned for collaring with F13 released 1/12/2000

Other Records

M10 Trapped on top of Release Pens on the 31/11/2000 collar expiry imminent. Removed collar.

New Releases:-

F19: Penned for release on 18/12/2000

F20: Penned for release on 18/12/2000

M11: Penned for release on 18/12/2000

M12: Penned for release on 18/12/2000

Table 1: Spotlighting and Radio-tracking Data:
17/6/2000 - 15/12/2000
*** sorted by ID: 49 records**

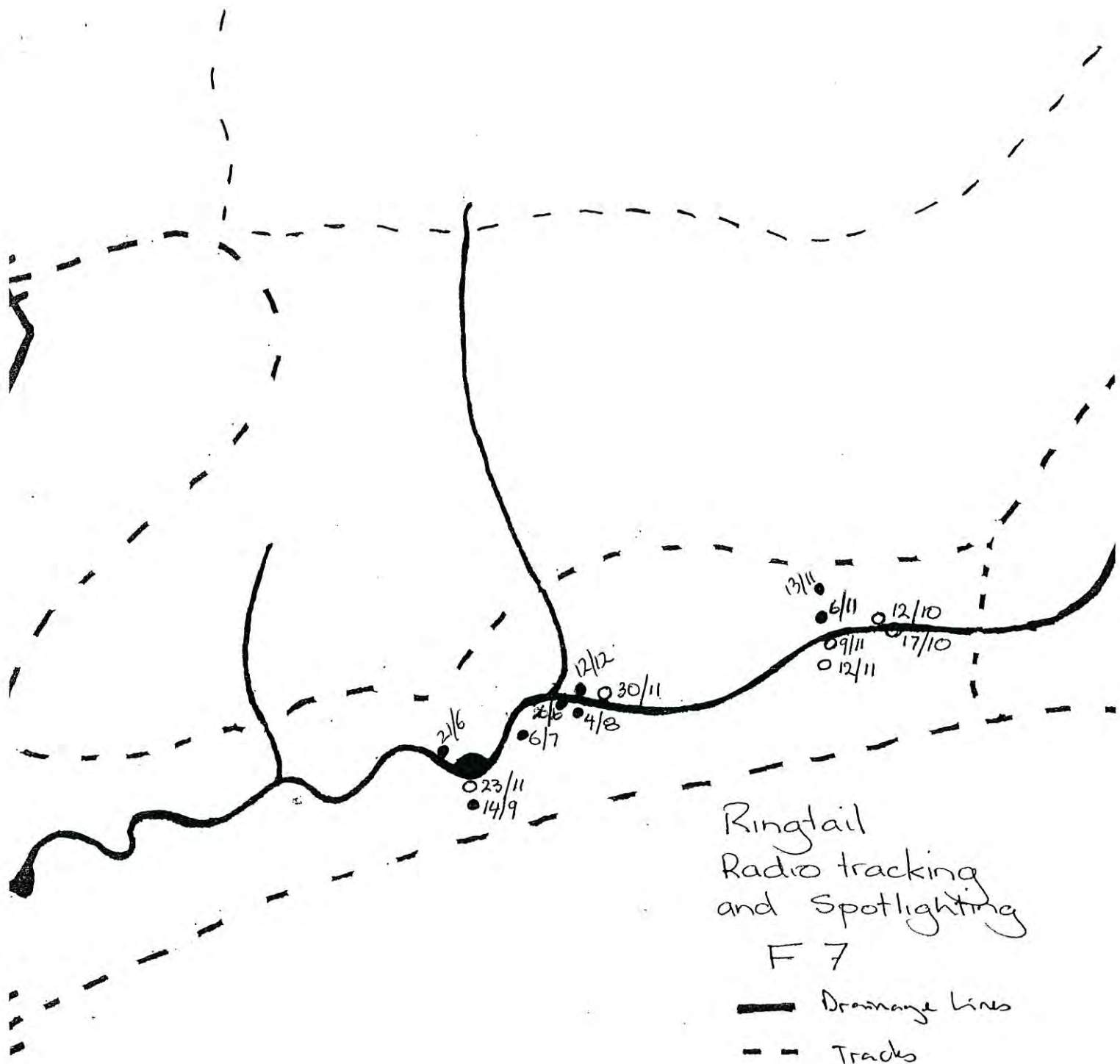
<u>Date</u>	<u>ID</u>	<u>D/N</u>	<u>Veg</u>	<u>H (V)</u>	<u>H (A)</u>	<u>S</u>	<u>Loc</u>	<u>No.</u>	<u>A</u>
21/06/2000	F11	D	M	9	5	N	H		S
06/07/2000	F11	D	Reeds	1	0.5	N	F		S
11/07/2000	F11	D	J	4	2	N	F		S
14/07/2000	F11	D	B	2.5	1.8	Y	F		
04/08/2000	F11	D	J	8	6	N	F		S
14/09/2000	F11	D	M	10	5	N	H		S
09/11/2000	F11	N	J	12	11	Y	F		M
30/11/2000	F11	N	M	10	10	Y	F		M
14/07/2000	F11J	D	B	2.5	1.8	Y	F		S
21/06/2000	F13	D	Cas	4	2	Y	F		S
06/07/2000	F13	D	Cas	5	2	Y	F		S
04/08/2000	F13	D	J	10	1.5	Y	F	D2	R
08/11/2000	F13	D	Cas	5	2	Y	F		S
03/12/2000	F13	D	J	6	2	Y	F		S
08/12/2000	F13	D	J	6	2	Y	F		R
12/10/2000	F21	N	Ago	2	2	Y	F		F
09/11/2000	F21	N	Ago	2	1	Y	F		F
12/11/2000	F21	N	M	8	4		F		M
23/11/2000	F21	N	M	10	8	Y	F		M
21/06/2000	F7	D	Reeds	1	0	N	G		S
26/06/2000	F7	D	Reeds	0	0	N	G		S
06/07/2000	F7	D	Reeds	1	0.5	N	F		S
04/08/2000	F7	D	Reeds	1	0.5	N	F		S
14/09/2000	F7	D	W	5	5	N	H		S
12/10/2000	F7	N	Ago	2	2	Y	F		F
17/10/2000	F7	N	M	8	7	Y	F		M
06/11/2000	F7	D	M	10	7	N	H		S

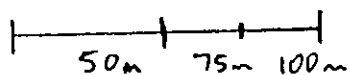
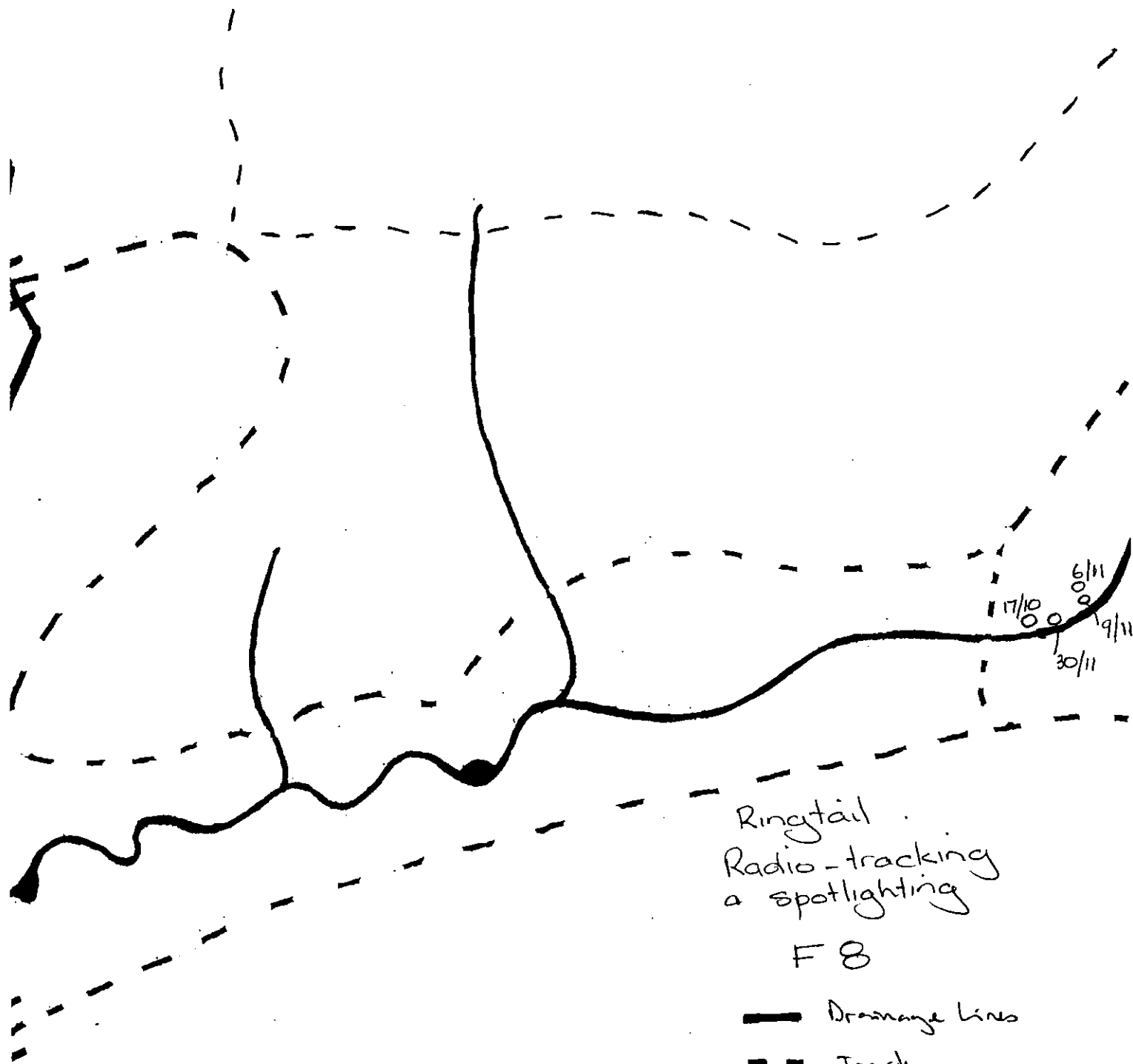
ID: Identification J= juvenile (e.g. F5J= juvenile of F5). U= Unidentified (e.g. UFJ= Unidentified female juvenile)
D/N: Day or Night
Veg: Vegetation Ast= Astartea, R= rudis, M= Marri, J= jarrah, W= Wandoo, D= Dead Euc, P= Pen, B= Blackboy
H: Height (veg + animal)
S: Sighted (yes or no)
Loc: Location F= foliage, H= hollow, G= ground, W / Wind= windrow
A: Activity M= moving, R= resting, F= feeding, S= sleeping, D= dead

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09/11/2000	F7	N	M	10	10	Y	F		M
12/11/2000	F7	N	M	8	7	Y	F		M
13/11/2000	F7	D	M	10	4	N	H		S
23/11/2000	F7	N	M	10	8	Y	F		M
30/11/2000	F7	N	M	8	4	Y	F		M
12/12/2000	F7	D	Reeds	1	0	Y	G		R
17/10/2000	F8	N	R	10	6	Y	F		M
06/11/2000	F8	D	M	8	5	Y	H		S
09/11/2000	F8	N	M	6	2	Y	F		M
30/11/2000	F8	N	M	12	6	Y	F		M
21/06/2000	M10	D	Reeds	1	0	N	G		S
26/06/2000	M10	D	Reeds	0	0	N	G		S
06/07/2000	M10	D	Reeds	1	0.5	N	F		S
18/07/2000	M10	D	Reeds	0.8	0	N	G		S
04/08/2000	M10	D	J	10	7	N	F		S
14/09/2000	M10	D	J	10	5	N	F/H		S
14/10/2000	M10	D	M	15	12	N	H		S
17/10/2000	M10	N	M	10	7	Y	F		M
30/11/2000	M10	N				Y	P		
08/11/2000	M13	D	Cas	5	2	Y	F		S
03/12/2000	M13	D	J	6	2	Y	F		S
08/12/2000	M13	D	Cas	5	1.5	Y	F		R

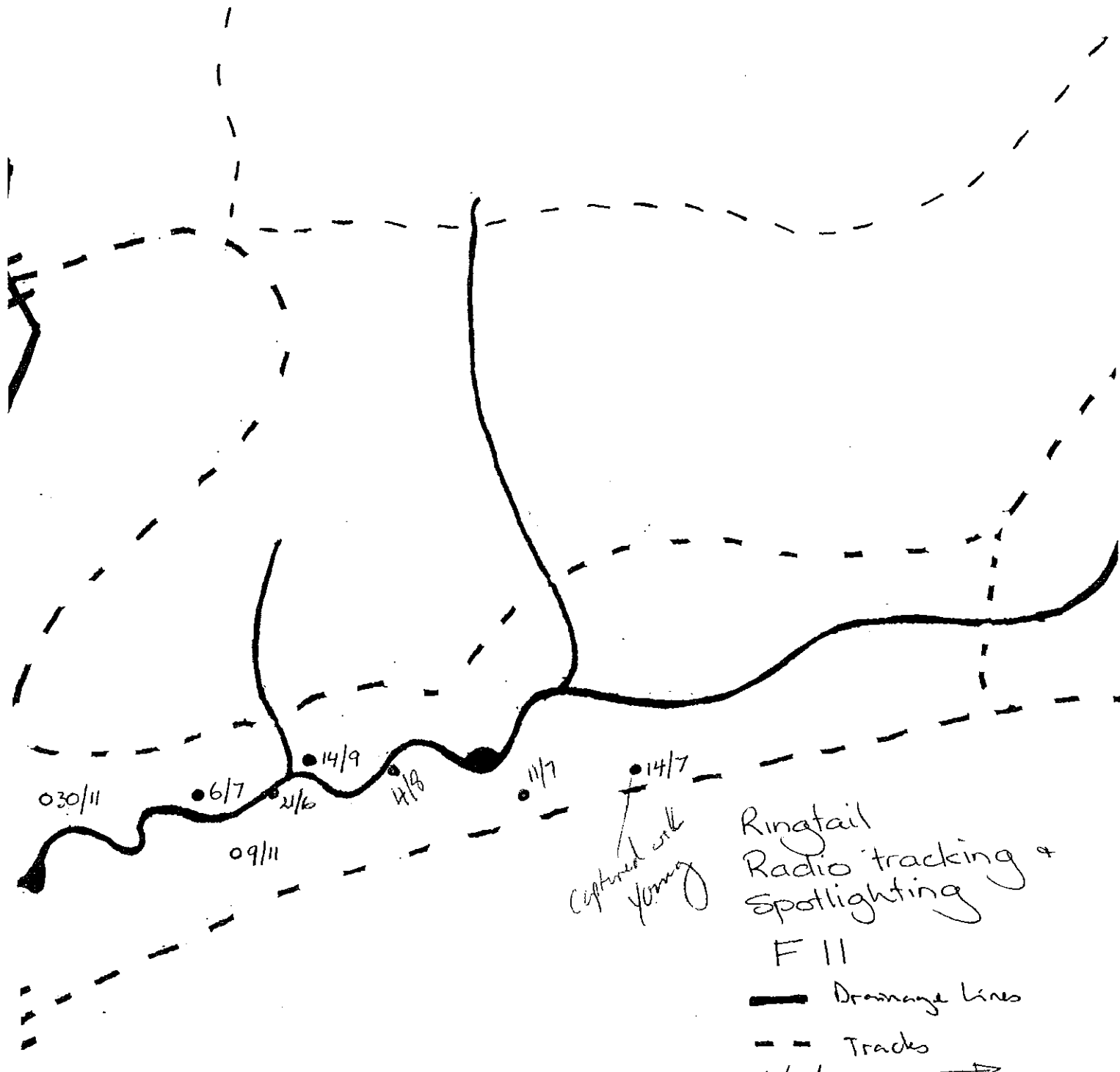
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Scale

- Rest Site
- Nocturnal Activity



Ringtail
Radio tracking &
Spotlighting

F11

— Drainage Lines

- - - Tracks

6/7/2000 →

14/7 with 70g peach young

N
←

50m 75m 100m

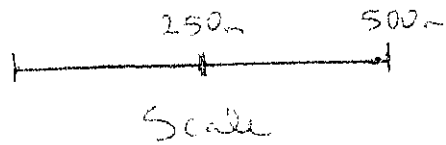
Scale

• Rest Site

○ Nocturnal Activity

Ringtail Radio tracking F13

6/7/2000 →



● Diurnal
○ Nocturnal.

21/6

11/12
8/11
6/7

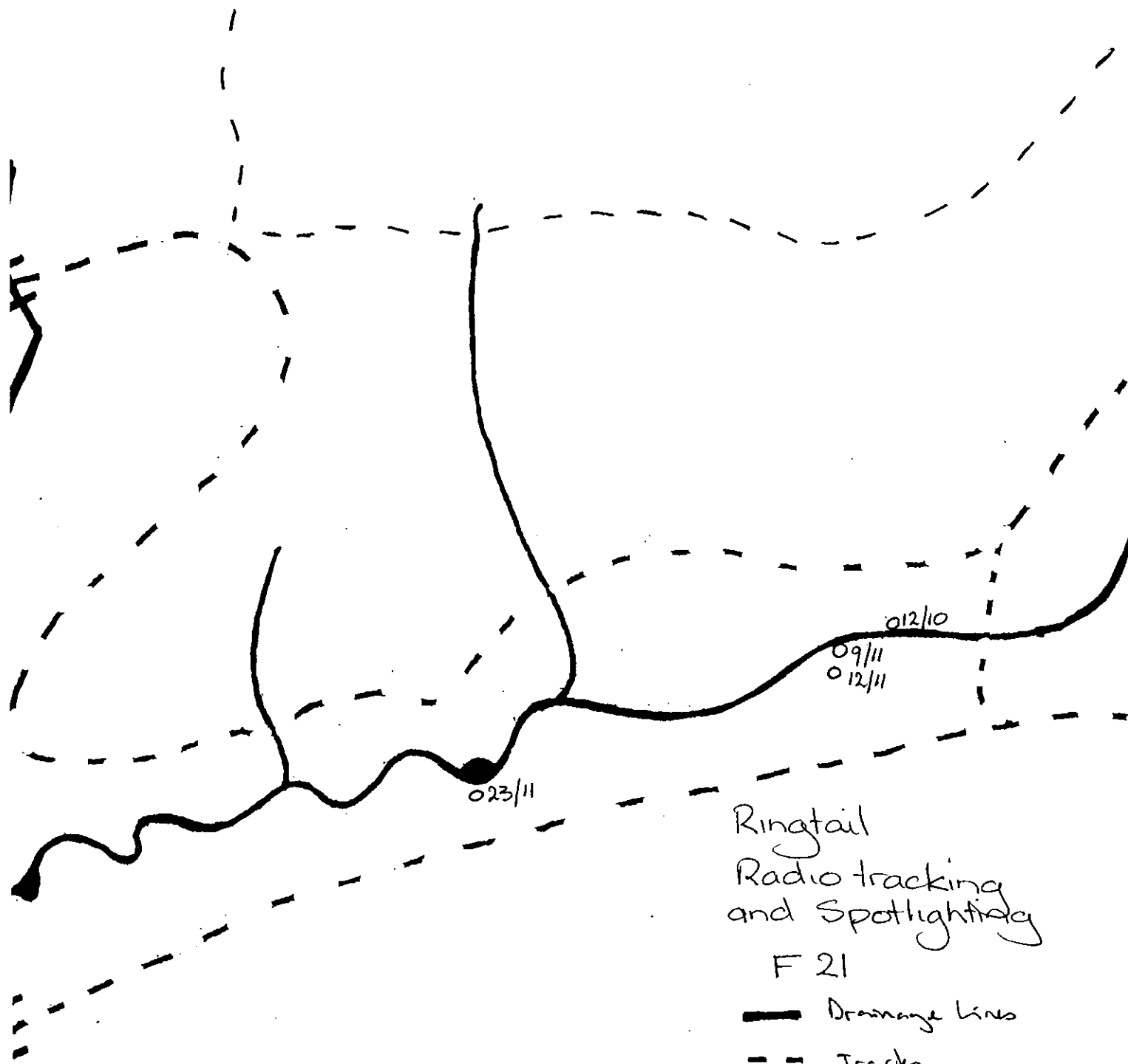
released.
captured

11/7

D2

4/8
8/12

11 12 13 14 15 16



Ringtail
Radio tracking
and Spotlighting

F 21

— Drainage Lines

- - Tracks

9/11/2000 →



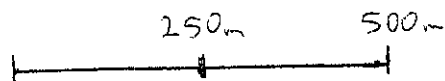
50m 75m 100m

Scale

• Rest Site

○ Nocturnal Activity

Ringtail Radio tracking M13 (young of F13)



Scale

1/12/2000 →

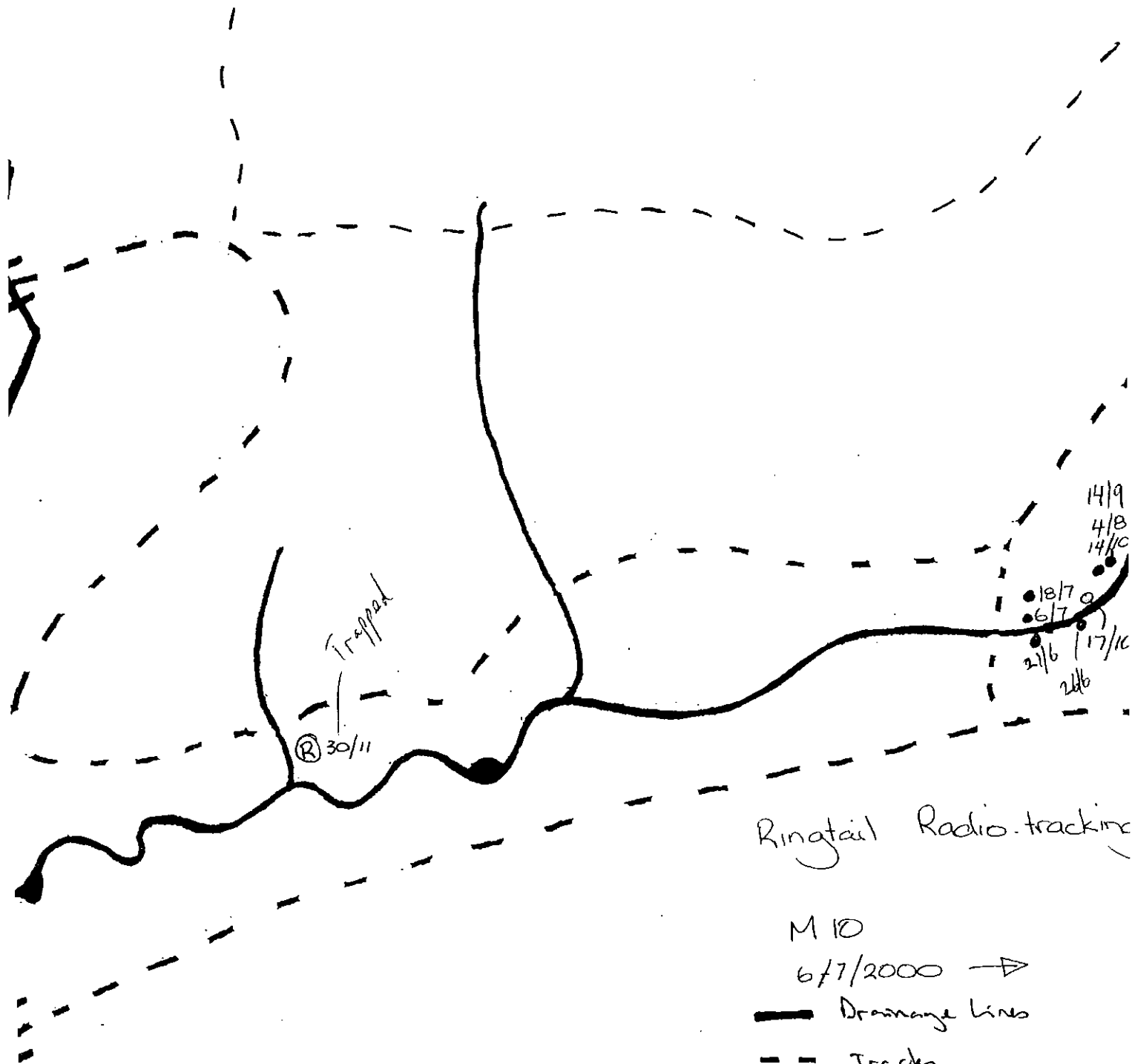
● Diurnal
○ Nocturnal

● 8/12

● 8/11 captured
1/12 released

● 3/12

11 12 13 14 15 16 17 18



- Rest Site
- Nocturnal Activity

**TABLE 2: Details of Ringtails Processed
16/6/2000 - 14/12/2000**

<u>Date</u>	<u>ID</u>	<u>N/R</u>	<u>Per</u>	<u>Trovan</u>	<u>Sex</u>	<u>Age</u>	<u>Weight</u>	<u>Pouch</u>
Jul 2000 14	F11	R/I		1 3B696F T	F	A	1048	lac
Jul 2000 14	F11J	N			F	J	77g	
Nov 2000 8	F13	R/I		1 21EE47 T	F	A	1020	Lac
Nov 2000 10	F19	P	P	5 FE5F8D T	F	A	1083	Reg
Dec 2000 14	F19	R	R	5 FE5F8D T	F	A	1020	Reg
Nov 2000 10	F20	P	P	5 FEA31E T	F	A	1018	Lac
Dec 2000 14	F20	R	R	5 FEA31E T	F	A	980	Reg
Oct 2000 12	F21	N		5 FD4A1D T	F	S/A	440	Reg
Nov 2000 11	F21	K		5 FD4A1D T	M	S/A	469	Reg
Oct 2000 12	F7	R/I		1 32F57E T	F	A	1125	Lac
Oct 2000 17	F8	R/I		1 337A8D T	F	A	1080	EPY
Nov 2000 10	M11	P	P	2 04F7CA T	M	A	844	
Dec 2000 14	M11	R	R	2 04F7CA T	M	A	700	
Nov 2000 10	M12	P	P	5 FD77B3 T	M	S/A	612	
Dec 2000 14	M12	R	R	5 FD77B3 T	M	S/A	720	
Nov 2000 8	M13	N		5 FE8E7F T	M	S/A	360	
Nov 2000 11	M13	K		5 FE8E7F T	M	S/A	363	
Nov 2000 14	M13	K		5 FE8E7F T	M	S/A		