

Australian Wildlife Conservancy

KARAKAMIA SANCTUARY

27/6/01

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, 17/6/00 and 14/12/00 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
- 2) Tracking sheets for all radio-collared Ringtails
- 3) Table 2:- Details of all Ringtails processed during the period

Six new ringtails have been released during this report period (4 females and 2 males).

New Releases:- (all new animals radio-collared)

Released on the 18/12/2000: F19, F20, M11, M12

Released on the 25/5/2001: F22, F23

Collared Animals

A total of eight Ringtails have been radio-tracked during the period.

FEMALES

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

*Collar failed 10/1/2001 unable to recapture

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

* seen 22/12/2001 with black unfurred young

* captured 22/1/2001 to check PY (young missing presumed dead)

* 14/2/2001 found dead within carpet python

F13: Released in March 1998 as an adult (over 3 years old)

- * surviving in upland Jarrah Forrest

F19: Released 17/12/2000 as an adult

- * living within 100m of release site

F20: Released 17/12/2000 as an adult

- * now moved into F8's (dead) long term territory
- * last located within 5 metres of F22 and M12, in reeds along creekline

F22: Released 25/5/2001 as an adult

- * last located within 5 metres of F20 and M12, in reeds along creekline

MALES

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

- * released 1/12/2000 with F13
- * captured 23/2/2001 missing fur on back, injured eye, taken to vet
- * died 25/2/2001

M11: Died on 21/12/2000

- * autopsy revealed a lung infection as the cause of death

M12: Released on the 18/12/2000 as an adult

- * appears OK, moving within 3-400 m range adjoining F20's territory
- * last location within 5 metres of F20 and F22, in reeds along creekline

Unknown Individuals

U?: * One unknown individual was sighted during search for Dreys in upland Jarrah forrest.

Summary

There are 9 individual Ringtails known to be alive within Karakamia, 6 females, 2 males and one unknown. Of the nine, 6 are currently radio-collared.

Table 1: Spotlighting and Radio-tracking Data:

15/12/2000 - 27/6/2001

*** sorted by ID: 74 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>
22/12/2000	F13	D	Cas	4	3	Y	F		S
29/12/2000	F13	D	M	4	1.2	Y	F		S
02/01/2001	F13	D	Cas	4	3	Y	F		S
03/01/2001	F13	D	Cas	4	3	Y	F		S
02/02/2001	F13	D	J	20	15	Y	F		R
14/02/2001	F13	D	Cas	5	7	Y	7		F
23/02/2001	F13	D	Cas	15	2	Y	H		S
09/04/2001	F13	D	Cas	5	2.5	Y	F		S
23/04/2001	F13	D	J	5	1.5	Y	F		S
30/04/2001	F13	D	J	5	1.5	Y	F		S
18/12/2000	F19	D	M	20	15	Y	F		R
20/12/2000	F19	N	M	10	5		F		M
22/12/2000	F19	D	Reeds	1.5	1	Y	F		S
27/12/2000	F19	D	Reeds	1	0.5	Y	F		S
29/12/2000	F19	D	Reeds	1	0	Y	F		S
02/01/2001	F19	D	Reeds	1	0	N	F		S
21/01/2001	F19	D	M	30	25	N	H		S
15/02/2001	F19	D	Reeds	1	0	N	G		S
23/02/2001	F19	D	Reeds	1	0.5	Y	F		S
30/04/2001	F19	D	M	20	8	N	H		S
28/05/2001	F19	D	M	15	3	N	H		S
18/12/2000	F20	D	J	8	7	Y	F		R
22/12/2000	F20	D	J	15	2	Y	H		R
27/12/2000	F20	D	J	15	2	Y	F		R
29/12/2000	F20	D	J	15	2	Y	F		R
02/01/2001	F20	D	J	15	2	Y	F		R
04/01/2001	F20	N	R	6	2	Y	F		M
21/01/2001	F20	D	M	25	15	N	H	H22	S
14/02/2001	F20	D	Reeds	1	0	N	G		R
23/02/2001	F20	D	M	20	7	Y	F		S
03/03/2001	F20	D				Y			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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15/12/2000 - 27/6/2001

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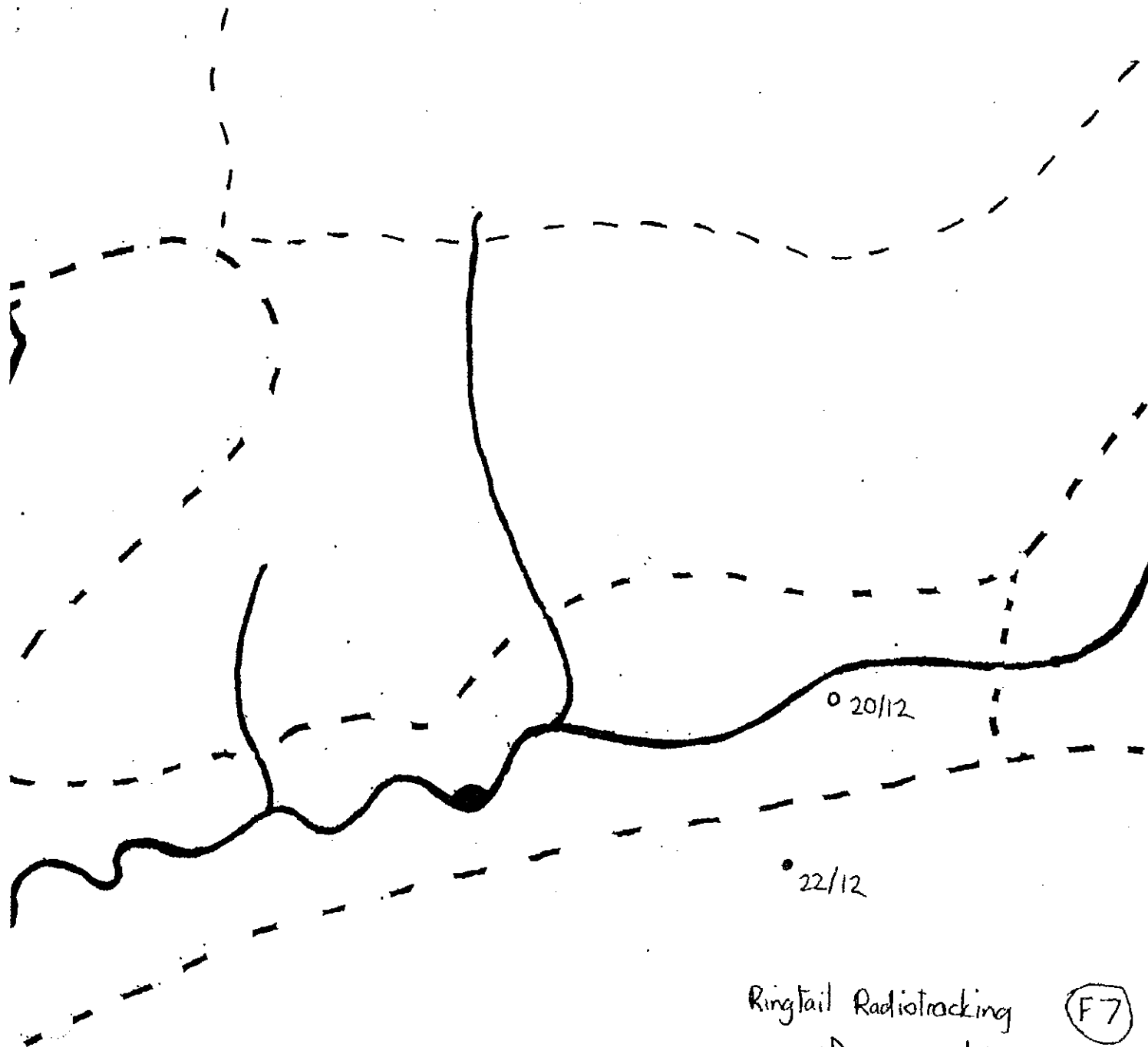
<u>Date</u>	<u>ID</u>	<u>D/N</u>	<u>Veg</u>	<u>H (V)</u>	<u>H (A)</u>	<u>S</u>	<u>Loc</u>	<u>No.</u>	<u>A</u>
30/04/2001	F20	D	M	20	20	N	H		S
28/05/2001	F20	D	Reeds	1	0	N	F		S
18/06/2001	F20	D	Reeds	1	0.5	N	F		S
28/05/2001	F22	D	M	20	5	N	F		S
28/05/2001	F23	D	B	0.5	0	N	F		S
18/06/2001	F23	D	Ago	5		N	F		M
20/12/2000	F7	N	M	5	5	Y	F		M
22/12/2000	F7	D	M	25	7	N	H		S
04/01/2001	F7	N	R	8	7	Y	F		M
22/12/2000	F8	D	A	5	2	Y	F		R
27/12/2000	F8	D	A	5	0	Y	G		R
29/12/2000	F8	D	A	5	3	Y	F		R
02/01/2001	F8	D	A	5	1	Y	F		R
10/01/2001	F8	D	A	4	2	Y	F		R
21/01/2001	F8	D	A	5	3	Y	F		R
02/02/2001	F8	D	A	5	2	Y	F		R
14/02/2001	F8	D	Ground	0	0	Y			DEAD
04/01/2001	M10	N	R	10	3	Y	F		M
18/12/2000	M11	D	R	10	8	Y	H		R
22/12/2000	M11	D	B	4	3	Y	F		S
27/12/2000	M11	D	B	4	3	Y	F		S
29/12/2000	M11	D	B	3	2.5	N	F		S
02/01/2001	M11	D	J	10	7	N	H?		S
10/01/2001	M11	D	Swish Bush	4	3.5	Y	F		R
21/01/2001	M11	D	B	4	4	N	F		S
14/02/2001	M11	D	Reeds	0.30	0	N	G		R
15/02/2001	M11	D	Reeds	30	0	Y	G		S
23/02/2001	M11	D	J	25	10	Y	H		S
28/02/2001	M11	D	J	25	10	Y	H		S
30/04/2001	M11	D	J	10	9	N	F		S
28/05/2001	M11	D	Reeds	1	0	N	F		S

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18/06/2001	M11	D	M	4	3	N	F		S
18/12/2000	M12	D							releas
20/12/2000	M12	N							
21/12/2000	M12	D							
22/12/2000	M13	D	Cas	4	3	Y	F		S
29/12/2000	M13	D	M	4	1.2	Y	F		S
02/01/2001	M13	D	Cas	4	3	Y	F		S
03/01/2001	M13	D	Cas	4	3	Y	F		S
02/02/2001	M13	D	Windrow	0	0	Y	6		R
15/02/2001	M13	D			0.7	N	H		S
23/02/2001	M13	D	A	4	1.5	Y	F		M
09/04/2001	U?	D	Per	6	2.5	Y	F		S

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D/N: Day or Night
Veg: Vegetation Ast= Astartea, R= rudis, M= Marri, J= jarrah, W= Wandoo, D= Dead Euc, P= Pen, B= Blackboy
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Ringtail Radiotracking
— Drainage Lines
-- Tracks

(F7)

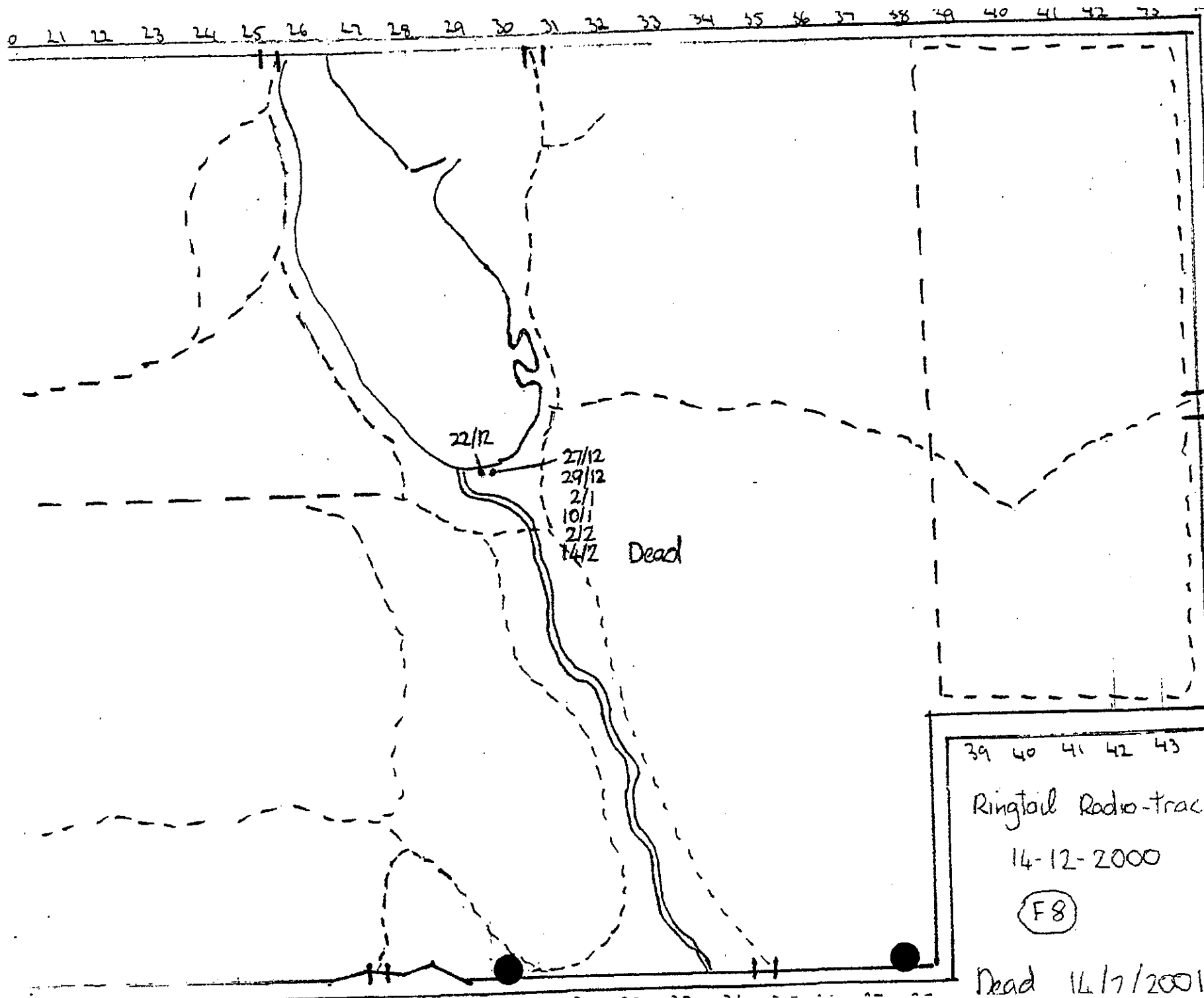
14-12-2000 →

N
↑



50m 75m 100m

• Rest Site
○ Nocturnal Activity



39 40 41 42 43 44

Ringtail Radio-tracking

14-12-2000

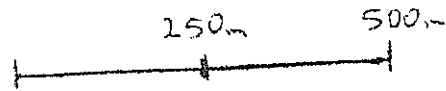
(F8)

Dead 14/1/2001

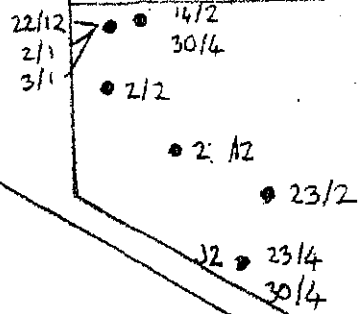
Ringtail Radio-tracking

14-12-2000 →

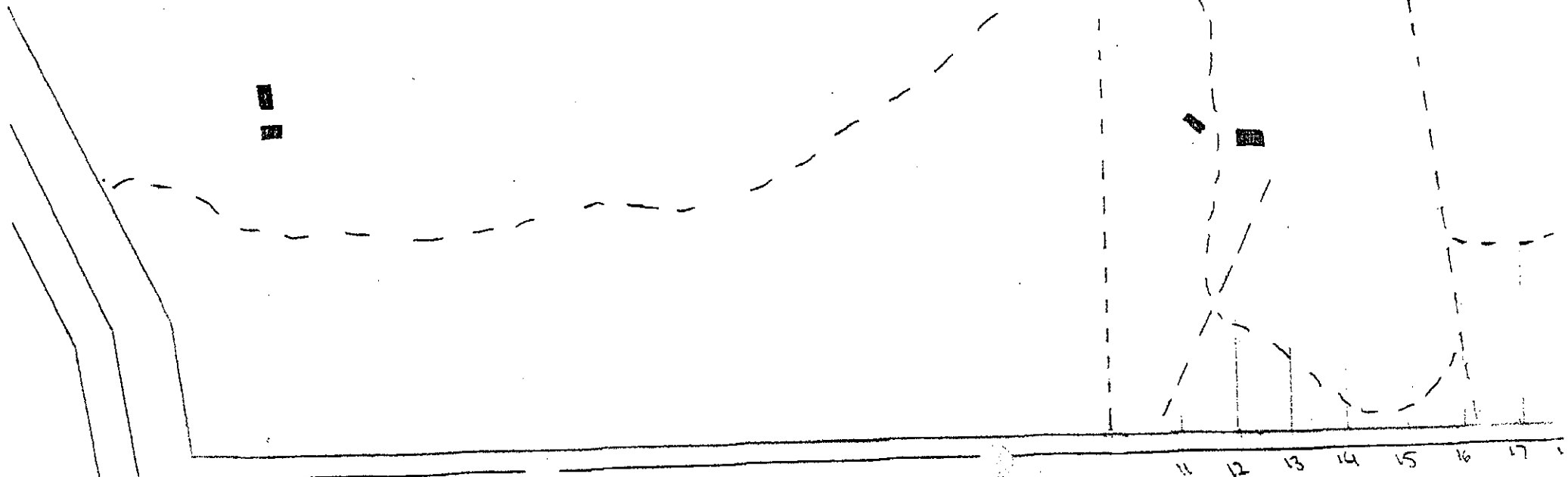
F13

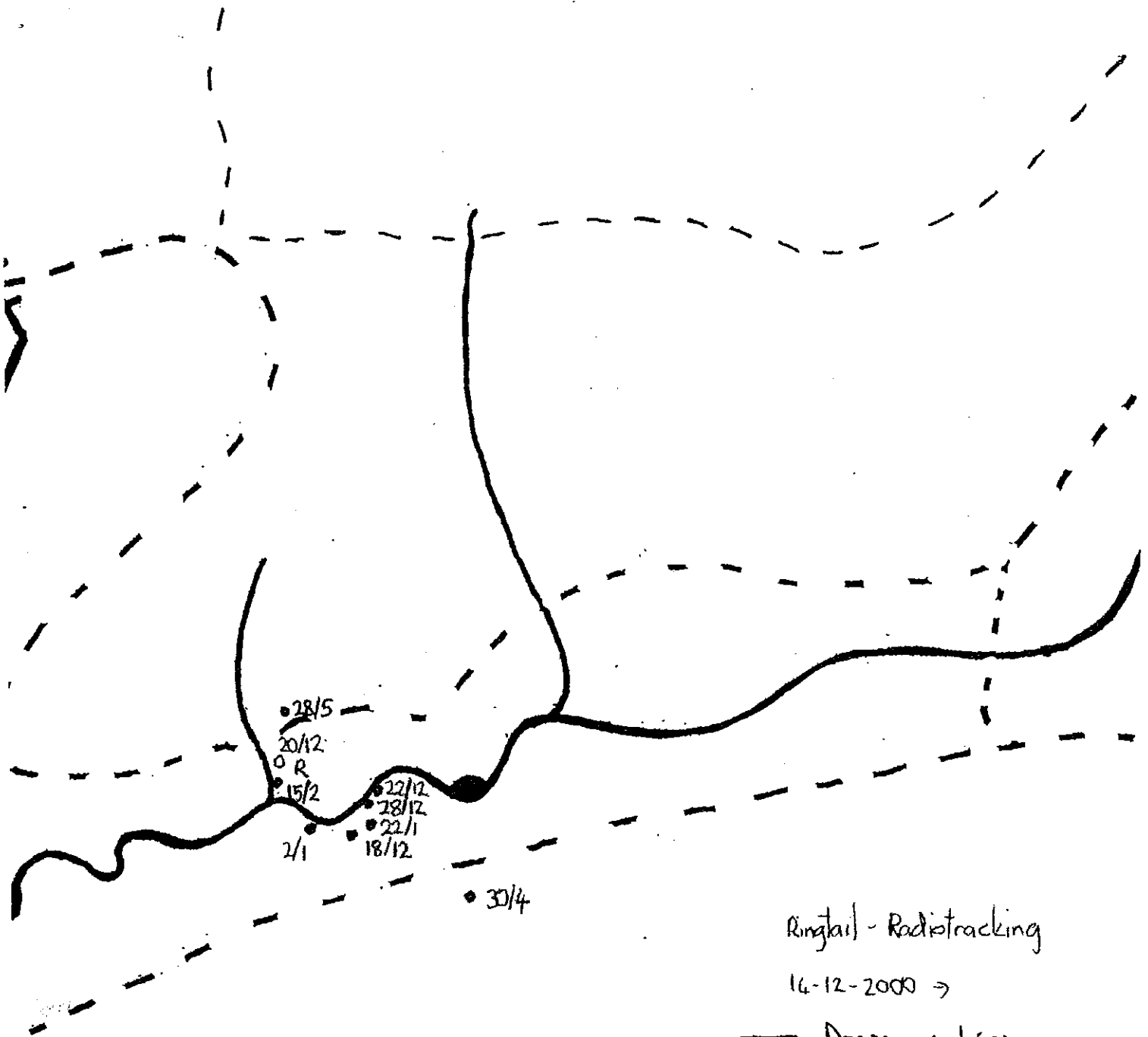


Scale



● Diurnal
○ Nocturnal





Ringtail - Radiotracking

14-12-2000 →

— Drainage Lines

- - Tracks

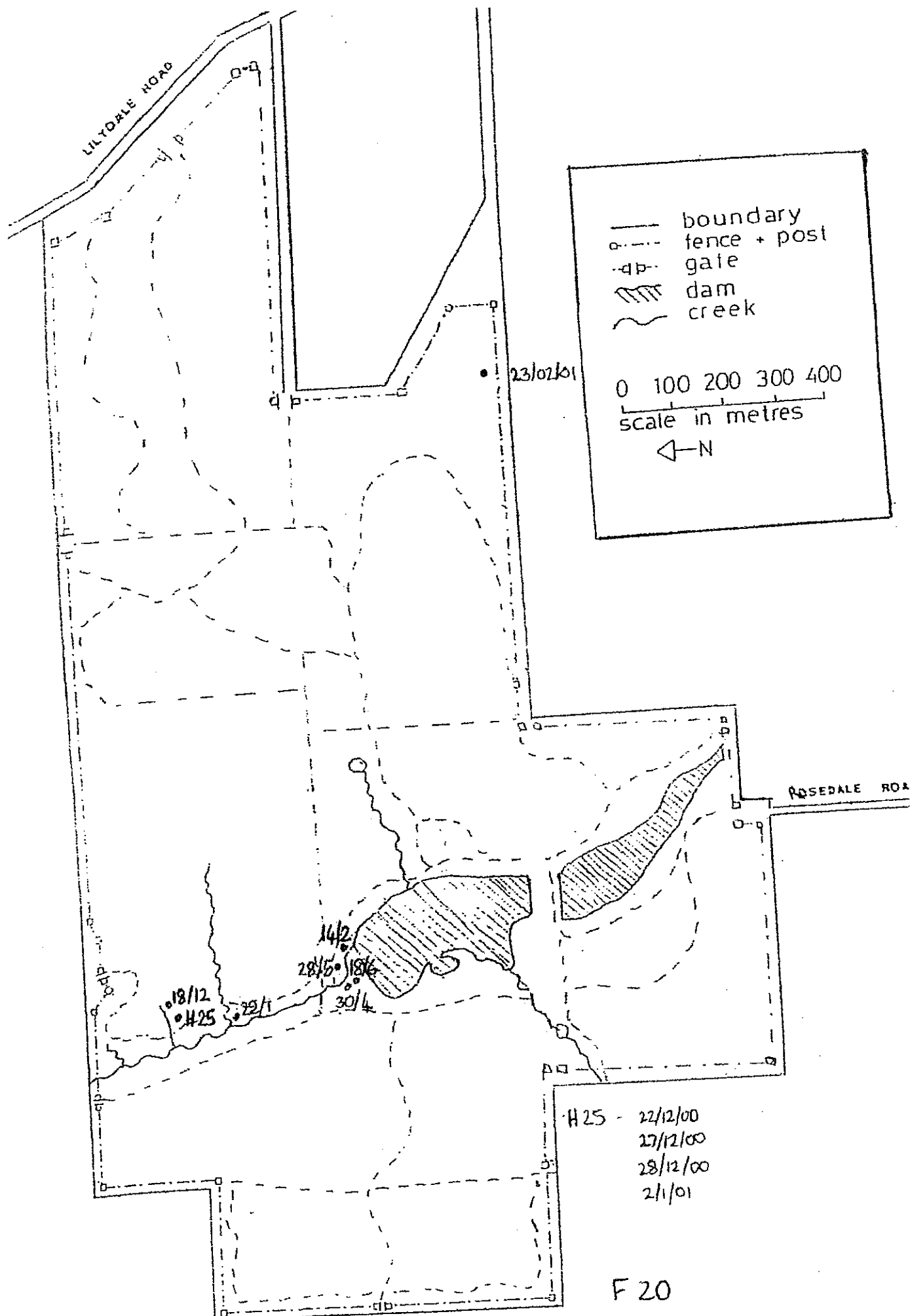
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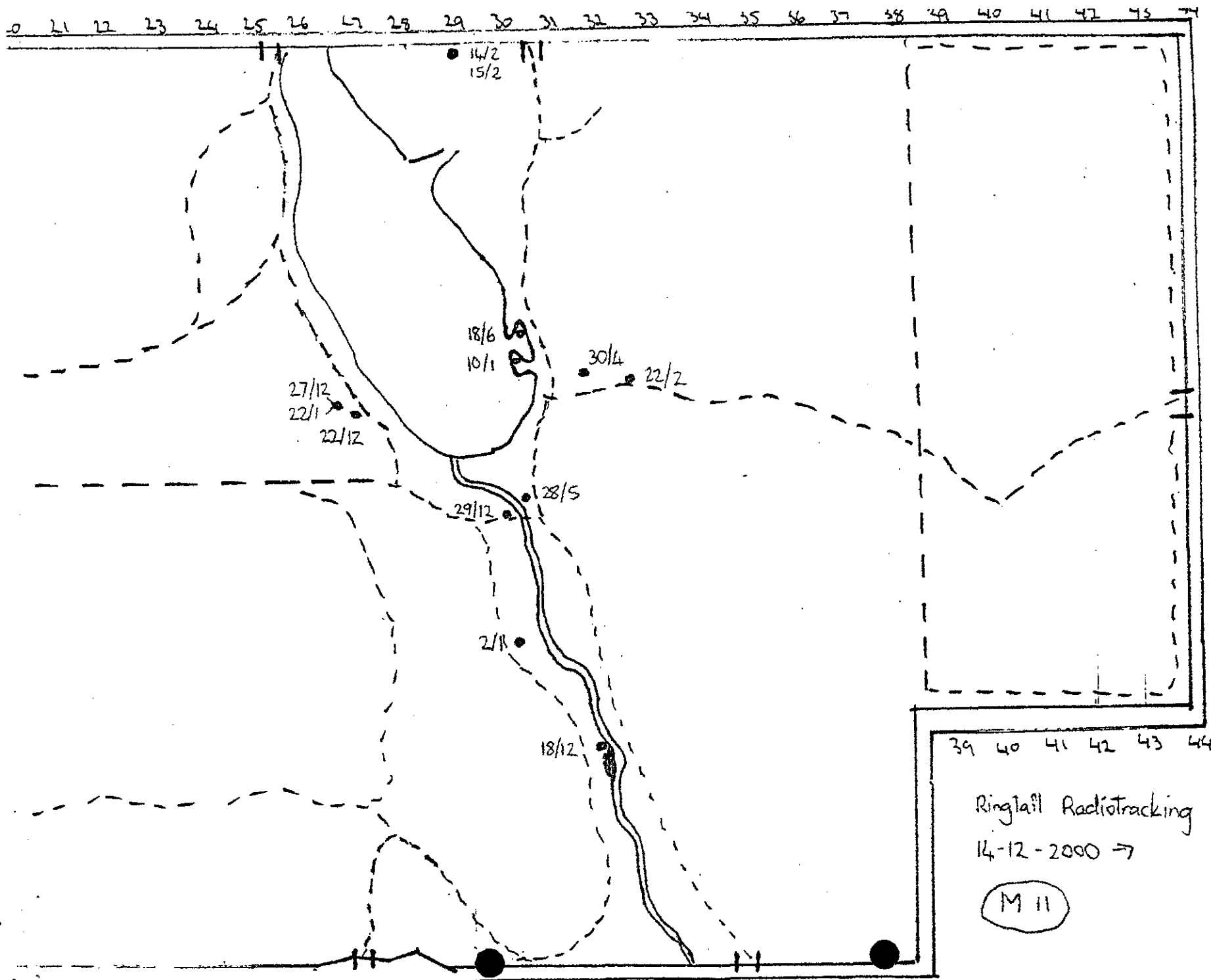
50m 75m 100m

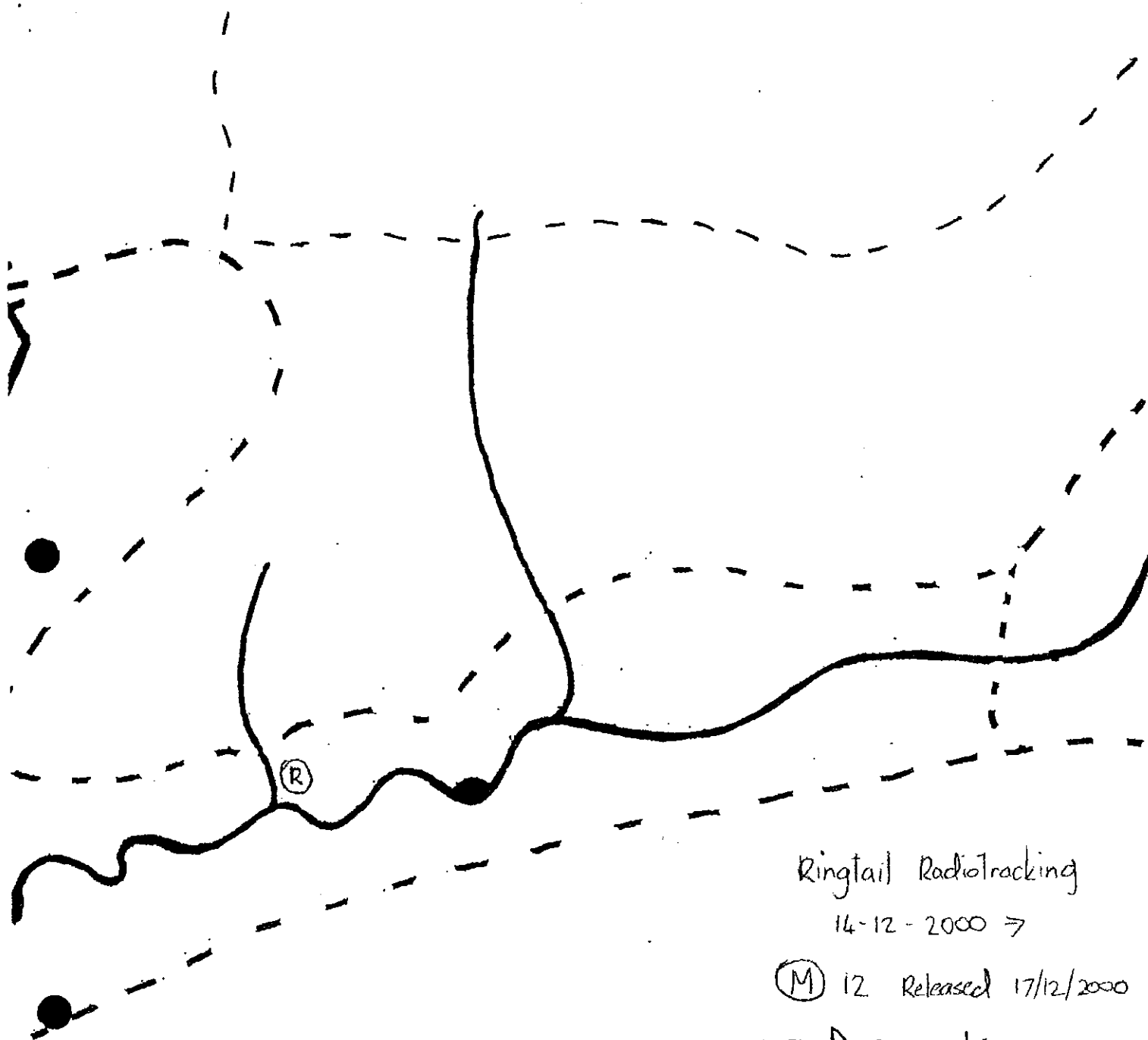
• Rest Site

○ Nocturnal Activity



Ringtail - Radio-tracking





Ringtail Radiotracking

14-12-2000 →

(M) 12 Released 17/12/2000

— Drainage Lines

- - Tracks

(R) 18/12, 20/12

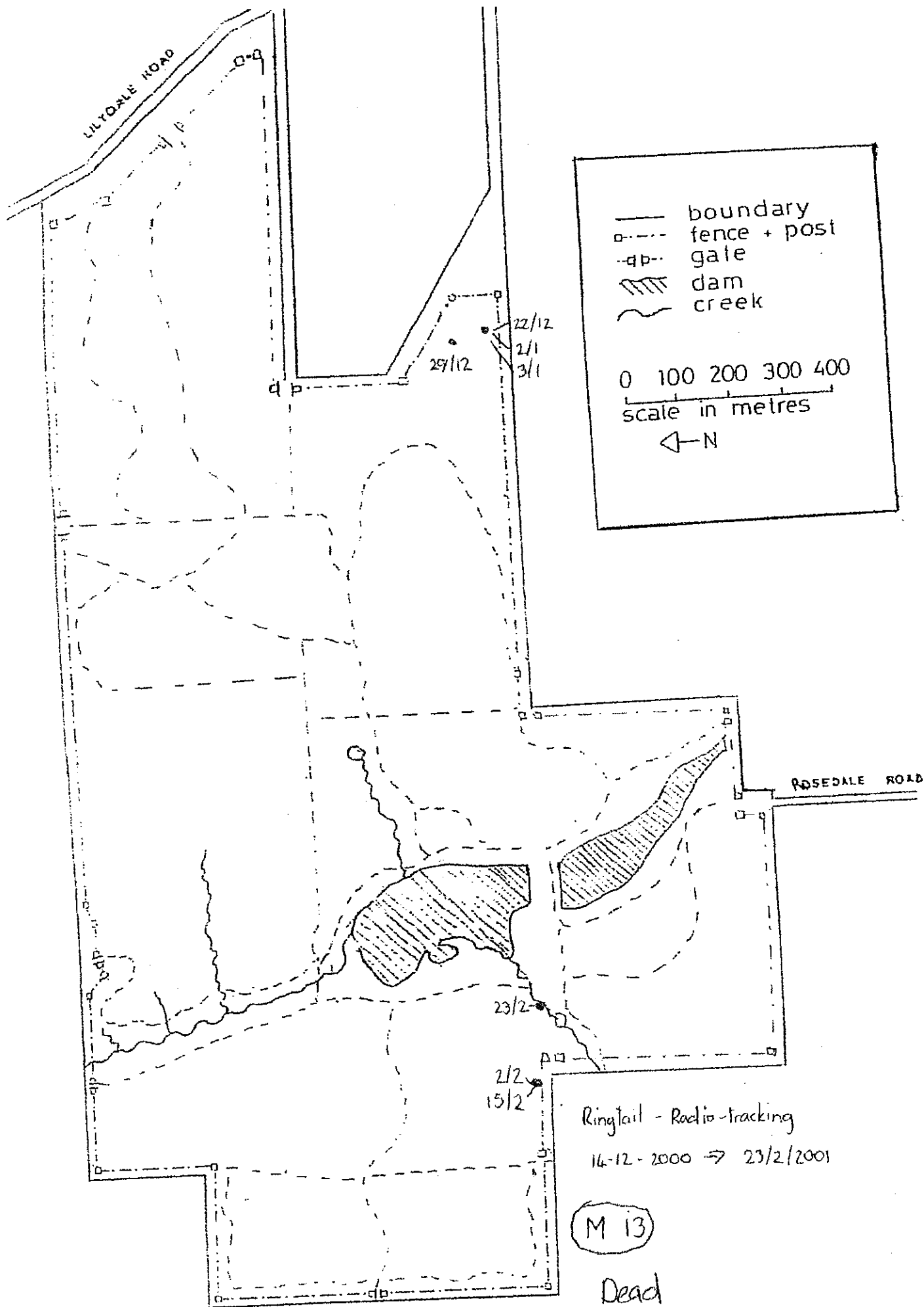
Died 21/12



50m 75m 100m

● Rest Site

○ Nocturnal Activity



**TABLE 2: Details of Ringtails Processed
15/12/2000-20/6/2001**

<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>
21/12/2000	M12	D	D	5 FD77B3 T	M	S/A		
17/04/2001	F23	R	R		F	A	895	Reg
17/04/2001	F22	R	R		F	A	941	Reg
25/05/2001	F22	R	R	1 6AOF56 T	F	A	950	Reg
25/05/2001	F23	R	R	1 6A23C9 T	F	A	900	Reg