

1 **Appendix 1. Number of trees with hollows in each possum area and the number of**
 2 **hollows, classified by occupancy**

3 Notes: **(1)** unused hollows were those that we did not detect as being occupied; they may
 4 have been used by other animals or at another time outside the period of the investigation.

5 **(2)** possums A and B occupy the same possum area. The grand total is not the sum of the
 6 gender totals because these both include the common possum areas of possums A and B. **(3)**
 7 possums C F M N Q do not have possum areas

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Possum area	Number of trees with hollows	Number of used hollows	Number of unused hollows	Total number of hollows
Females				
B	28	7	42	49
D	2	1	1	2
E	7	1	7	8
H	14	1	33	34
K	18	3	37	40
O	9	3	13	16
R	18	4	42	46
S	1	0	1	1
U	1	0	1	1
Total for females	98	20	177	197
Males				
A	28	7	42	49
G	5	2	5	7
I	4	1	5	6
J	25	7	49	56
L	33	2	43	45
P	11	2	11	13
T	0	0	0	0
Total for males	106	21	155	176
Total for areas	176	34	290	324

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1 **Appendix 2. Number of trees with hollows in each possum area, classified by occupancy**

2 Notes: **(1)** unused hollows were those that we did not detect as being occupied; they may
3 have been used by other animals or at another time outside the period of the investigation.

4 **(2)** possums A and B occupy the same possum area. The grand total is not the sum of the
5 gender totals because these both include the common possum areas of possums A and B. **(3)**
6 possums C F M N Q do not have possum areas
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Possum area	Number of trees with			Total number of trees
	All hollows used	Both used and unused hollows	All hollows unused	
Females				
B	4	1	23	28
D	1	0	1	2
E	1	0	6	7
H	1	0	13	14
K	1	1	16	18
O	2	1	6	9
R	4	0	14	18
S	0	0	1	1
U	0	0	1	1
Total for females	14	3	81	98
Males				
A	4	1	23	28
G	1	1	3	5
I	1	0	3	4
J	2	1	22	25
L	1	0	32	33
P	2	0	9	11
T	0	0	0	0
Total for males	11	3	92	106
Total	21	5	150	176

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Appendix 3. Number of day fixes from radio-tracking data and number of occupied nests in the possum area (50m circle) associated with each possum, classified by nest type

Notes: **(1)** possums A and B occupy the same possum area. The grand total for number of used hollows is not the sum of the gender totals because these both include the common possum areas of possums A and B. **(2)** possums C F M N Q do not have possum areas. **(3)** possum T is a drey user (by the radio-tracking data) but did not use any dreys within its possum area

Possum	Usage type	Hollows		Dreys		Ground	Total number of day fixes
		Number of day fixes	Number of used nests	Number of day fixes	Number of used nests	Number of day fixes	
Females							
B	hollow	30	7				30
D	both	23	1	13	1		36
E	drey	1	1	17	3		18
H	hollow	23	1	8	1		31
K	hollow	27	3	8	1		35
M	hollow	11					11
N	hollow	11					11
O	both	13	3	21	3		34
R	hollow	29	4	5			34
S	drey	3		24	10	1	28
U	drey			31	6		31
Total for females		171	20	127	25	1	299
Males							
A	hollow	26	7				26
C	drey			14			14
F	hollow	5					5
G	hollow	28	2			2	30
I	both	10	1	4	1		14
J	hollow	31	7				31

L	hollow	38	2		1	1	39
P	drey	3	2	34	4		37
Q	hollow	4					4
T	drey			18		2	20
Total for males		145	21	70	6	5	220
Total		316	34	197	31	6	519

Appendix 4. Home range areas (based on minimum convex polygons)

Notes: **(1)** possums A and B occupy the same possum area. **(2)** possums C F M N Q do not have possum areas

Possum	% MCP home range (ha)		
	50%	75%	100%
Females			
B	0.225	0.411	0.628
D	0.131	0.239	0.453
E	0.233	0.435	0.597
H	0.141	0.189	1.010
K	0.052	0.117	0.278
O	0.080	0.119	0.166
R	0.172	0.581	1.021
S	0.301	0.520	1.052
U	0.101	0.168	0.560
Males			
A	0.176	0.386	0.732
G	0.080	0.302	0.950
I	0.336	0.613	0.633
J	0.216	0.497	0.737
L	0.168	0.320	0.624
P	0.065	0.166	0.270
T	0.867	2.174	3.248