

**Table S1.** Number of individual small mammals detected at various spatial samples on selfie traps positioned in the four areas within the study landscape.

	Number of individuals detected at only							
	1 site	2 sites	3 sites	4 sites	5 sites	6 sites	8 sites	Total
Area 1								
<i>Petaurus breviceps</i>	14	23	12	4	3	2	1	59
<i>Antechinus stuartii</i>	15	5	3	4		1		28
<i>Rattus fuscipes</i>	1							1
<i>Rattus norvegicus</i>	7							7
Area 2								
<i>P. breviceps</i>	23	21	22	12	4	1		83
<i>A. stuartii</i>	20	4		1				25
<i>R. fuscipes</i>	5	4						9
<i>R. norvegicus</i>	1							1
Area 3								
<i>P. breviceps</i>	7	9	8	5	2	1		32
<i>A. stuartii</i>	1	1						2
<i>R. norvegicus</i>	5	3						8
Area 4								
<i>P. breviceps</i>	4							4
<i>A. stuartii</i>	15	1	1					17
<i>R. fuscipes</i>	2							2
<i>R. norvegicus</i>	5	1						6
Total	125	72	46	26	9	5	1	284

**Table S2.** Short term home ranges (50% and 95%) using Kernel Density Estimate (KDE), of sugar gliders (*Petaurus breviceps*) detected at four or more sites (n = 34). Female n = 15, male n = 19. Home ranges estimates from Minimum Convex Polygons (MCP) was calculated by calculating the amount of available habitat within the polygon.

Individual no.	Area	Fragment	Sex	Number of sites detected at	Recaptures (/24hr)	Distance moved (m)	KDE Home range 95% (ha)	KDE Home range 50% (ha)	MCP (ha)
1	A1	Grid	F	5	10	2425.44	5.69	1.26	2.12
2	A1	Grid	M	4	9	702.58	3.94	0.61	2.14
3	A3	Linear	M	5	10	1479.05	3.71	1.00	1.77
4	A3	Linear	F	5	14	2397.75	3.33	0.80	1.77
5	A3	Linear	M	4	6	2378.03	8.97	1.60	5.20
6	A3	Linear	M	4	13	4438.07	5.77	1.29	4.40
7	A3	Linear	M	4	14	3474.96	12.52	3.95	3.58
8	A3	Linear	F	4	20	1791.58	3.39	0.92	1.06
9	A3	Grid	M	6	9	2325.24	7.60	1.40	2.20
10	A1	Linear	M	5	9	7145.37	16.44	4.26	1.19
11	A1	Linear	M	4	9	1866.25	5.20	1.01	0.70
12	A1	Linear	M	4	7	928.26	8.09	3.83	0.94
13	A1	Linear	F	4	7	763.94	11.95	2.43	0.34
14	A1	Linear	M	8	25	12014.52	7.72	3.08	4.48
15	A1	Linear	M	6	18	4276.08	3.21	1.42	3.75
16	A1	Linear	F	6	27	14660.74	6.23	2.07	1.45
17	A1	Linear	F	5	22	8252.85	5.71	2.32	1.26
18	A2	Grid	M	6	20	3122.04	5.83	0.81	3.59
19	A2	Grid	M	5	10	643.31	11.29	2.94	2.80

20	A2	Grid	F	5	16	1599.44	5.40	1.51	1.56
21	A2	Grid	M	4	7	1342.98	10.16	2.44	2.97
22	A2	Grid	M	4	17	2048.99	6.84	1.45	0.05
23	A2	Grid	F	4	20	1306.54	3.13	0.55	1.42
24	A2	Grid	F	4	9	1444.40	4.17	1.08	1.05
25	A2	Grid	F	4	10	1342.20	4.65	0.84	1.14
26	A2	Grid	F	4	14	2167.65	5.57	1.71	1.02
27	A2	Grid	F	5	21	1297.86	4.83	0.91	1.31
28	A2	Grid	M	4	6	515.08	4.40	1.09	1.29
29	A2	Linear	M	5	8	2559.74	4.01	0.67	2.47
30	A2	Linear	M	4	11	3437.96	6.45	0.52	1.35
31	A2	Linear	F	4	19	2294.83	2.78	0.35	1.43
32	A2	Grid	M	4	12	1323.24	5.03	0.69	1.28
33	A2	Grid	F	4	23	771.67	2.26	0.56	0.92
34	A2	Grid	F	4	12	2914.36	6.01	1.32	1.14