

Supplementary material for

**Patterns of decline of small mammal assemblages in vegetation communities of coastal south-east Australia:
identification of habitat refuges**

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a) heathy woodland west



b) heathy woodland east



c) sandy heathland



d) heathy lowland forest



e) estuarine woodland



f) coastal headland scrub



g) coastal dune scrub

Fig. S1 Habitat at a) Heathy woodland west b) heathy woodland east c) sandy heathland d) heathy lowland forest e) estuarine woodland f) coastal headland scrub g) coastal dune scrub



Fig. S2 Coastal dune scrub refuge

Table S1. Summary of maximum trap success (captures per 100 trap nights) for total native small mammals 1975–2007; 2013–18

Values are **baseline** (maximum two years recorded 1975–2007), **final** (maximum two years recorded 2013–18). Status (abundance) change: SD, severe decrease (>80%); D⁺ large decrease (50–80%); D, decrease (0–50%); I, increase

Vegetation /Site	1975–2007 Maximum success (2 years)	Years	2013–18 Maximum success (1-2 years)	Years	Status (abundance) change %
HWW					
Harvey	39.2	1976, 1980	3.3	2014, 2017	- 91 SD
Bald Hills B	47.9	1988, 1989	13.3	2013, 2015	- 72 D ⁺
Bald Hills C	31.3	1990, 1992	6.5	2013, 2017	- 79 D ⁺
Bald Hills 2	28.8	1987, 1988	1.1	2014	- 96 SD
Bald Hills 21	24.4	1987, 1992	0	2016	- 100 SD
Bald Hills 22	23.3	1988, 1991	0	2014	- 100 SD
Batson A	38.5	1988, 1991	2.22	2016	- 94 SD
Batson C	33.0	1987, 1988	5.6	2016	- 80 D ⁺
HWE					
Forest Rd	19.1	1987, 1987	2.2	2013, 2018	- 88 SD
Pipeline	31.1	1987, 1986	5	2015, 2018	- 84 SD
Harrison	6.5	1992	3.3	2015	- 49 D
Flax A	39.9	1995, 1996	0	2013, 2018	- 100 SD
Flax B	30.0	1995, 1996	0	2013, 2015	- 100 SD
Flax C	38	1995, 1995	0	2013, 2015	- 100 SD
Flax D	31.0	1995, 1995	0.6	2013, 2015	- 98 SD
SH					
Urquhart	43.5	1998, 2002	7.2	2014, 2015	- 83 SD
HLF					
3	38.9	1987, 1988	5.6	2015	- 85 D
4	23.3	1986, 2001	3.3	2015	- 75 D
30	27.7	1987, 2001	0.0	2014	- 100 SD
41	11.2	1987, 1988	1.1	2016	- 90 SD
EW					
Painkalac	46.0	1999, 1999	8.8	2015, 2017	- 81 SD
CHS					
*AI	76.7	1997, 1998	12.1	2015, 2017	- 84 SD
CS					

36	54.5	1984, 1987	37.8	2015, 2017	- 31 D
37	65.5	1991, 1998	12.2	2015	- 80 D
39	54.5	1986, 1987	4.4	2014	- 91 SD
40	34.5	1985, 1986	15.6	2015	- 55 D ⁺
25	53.3	1986, 1988	49.6	2015, 2018	- 7 D

*AI combined LHW, LHE, Gully, HBB