

Supplementary material for:

Long-term monitoring suggests bat boxes may alter local bat community structure

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Table S1. Examples of the four different bat box designs installed at Organ Pipes National Park, Melbourne, Australia. Box designs were variations of the Stebbings and Walsh (1985) single-chamber box. All boxes have an entrance slit at the bottom, varying in width from 1.4–3.0 cm. Note that the photographs of boxes are not to scale.

Bat boxes adapted from the Stebbings & Walsh (1985) design			
Design 1		<ul style="list-style-type: none"> • 1.9 cm thick Oregon pine • One chamber • Entrance width 1.4–3.0 cm • Internal volume 3250 cm³ • Internal dimensions – 15 cm wide, 25 cm high, 10 cm deep 	<ul style="list-style-type: none"> • $n = 18$ • Installed 1992–1996
Design 2		<ul style="list-style-type: none"> • 1.9 cm thick Oregon pine • One chamber • Entrance width 1.2–1.5 cm • Internal volume 1920 cm³ • Internal dimensions – 10 cm wide, 24 cm high, 8 cm deep 	<ul style="list-style-type: none"> • $n = 8$ • Installed 1996–2000
Design 3		<ul style="list-style-type: none"> • 4.5 cm thick Oregon pine • One chamber • Entrance width 1.5 cm • Internal volume 3402 cm³ • Internal dimensions – 14 cm wide, 27 cm high, 9 cm deep 	<ul style="list-style-type: none"> • $n = 8$ • Installed 1998–2001
Design 4		<ul style="list-style-type: none"> • 1.9 cm thick Oregon pine • One chamber • Entrance width 1.6 cm • Internal volume 8640 cm³ • Internal dimensions – 30 cm wide, 24 cm high, 12 cm deep 	<ul style="list-style-type: none"> • $n = 3$ • Installed 2005

References

Stebbins, R. E., and Walsh, S. T. (1985). 'Bat Boxes'. (Fauna & Flora Preservation Society: London, England.)

Table S2. Summary of the total number of bats captured during monthly (1994–2007) or bi-monthly (2008–2018) manual inspections of bat boxes at Organ Pipes National Park, Melbourne, Australia. Cells shaded in grey represent months when bat box surveys were not conducted; 'x' represents the month when the first boxes were installed.

Year	January	February	March	April	May	June	July	August	September	October	November	December
1992				x							0	
1993												
1994							0			7	34	4
1995	0	20	0	9	0	0	0	0	0	0	18	25
1996	38	22	13	0	0	3	0	0	17	17	29	43
1997	42	42	49	29	11	0	4	1	20	49	58	54
1998	41	69	42	36	38	13	0	0	23	34	63	56
1999	52	43	57	28	38	19	10	10	83	95	74	64
2000	102	92	110	63	88	28	30	27	94	84	101	146
2001	103	119	82	65		41	32	18	85	103	88	135
2002	136	98	110	94	67	26	22	22	82	82	76	124
2003	78	101	104	94	35	21	18		80	77	79	
2004	176	91	141	101	50	22	19	31	127	101	92	336
2005	140	194	157	137	41	8	16	27	140	136	112	254
2006	175		153	312	29	14	23	34	146	125	121	219
2007	190	184	182	167	102	41	52	147	135	141	279	258
2008	277	270		231		66		85		163		408
2009		148		237		110		113		196		389
2010		307		208		74		49		201		
2011		254		303		109		119		241		539
2012		205		277		107		102		272		470
2013		276		226		110		202		228		311
2014		207		193		85		59		164		290
2015		207		257		135		89		216		220
2016		222		228		121		75		166		320
2017		296		288		112		87		133		228
2018		197		232		82						