

Supplementary Material

Environmental temperature influences detectability of a nocturnal marsupial

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1 **Supplementary material**

2 Table S1: Number of bilbies observed and mean survey temperatures during bilby
 3 spotlight surveys at Yookamurra Wildlife Sanctuary (2015–2023). The November 2018–
 4 February 2019 supplementation of 20 bilbies into Yookamurra is included and highlighted
 5 grey to indicate timeline.

Year	Month	Number of bilbies observed	Mean survey temperature \pm SE ($^{\circ}$C)
2015	September	13	13.6 \pm 1.2
2017	March	35	22.3 \pm 0.3
2017	September	16	13.9 \pm 0.4
2018	March	24	19.0 \pm 0.4
2018	September	2	11.3 \pm 0.2
2018–2019	November–February	20 translocated into Yookamurra	
2019	March	32	20.9 \pm 0.3
2019	September	9	11.1 \pm 0.6
2020	March	13	17.9 \pm 0.3
2020	September	5	10.8 \pm 0.3
2021	March	22	17.3 \pm 0.2
2022	March	18	19.6 \pm 0.3
2023	April	4	12.5 \pm 0.4

6