

**Supplementary material for****Population decline of the noisy scrub-bird is not correlated with territory size, marginal declines in rainfall or fire impacts**

*J. Dale Roberts<sup>A,F</sup>, Alan Danks<sup>B</sup>, Abby Berryman<sup>B</sup>, Nadisha Sidhu<sup>C,D</sup>, Allan H. Burbidge<sup>E</sup> and Sarah Comer<sup>B</sup>*

<sup>A</sup>School of Biological Sciences, and, Centre for Evolutionary Biology, University of Western Australia, 35 Stirling Highway, Crawley WA 6009, Australia.

<sup>B</sup>Department of Biodiversity, Conservation and Attractions, Parks and Wildlife Service, 120 Albany Highway, Albany, WA 6330, Australia.

<sup>C</sup>School of Agriculture and Environment, University of Western Australia, PO Box 5771, Albany, WA 6332, Australia.

<sup>D</sup>Bristol Veterinary School, University of Bristol, Langford House, Langford, Bristol BS40 5DU, United Kingdom.

<sup>E</sup>Department of Biodiversity, Conservation and Attractions, Biodiversity and Conservation Science, Locked Bag 104, Bentley, WA 6983, Australia.

<sup>F</sup>Corresponding author. Email: dale.roberts@uwa.edu.au

**Table S1.** Piecewise regression results for scrub-bird counts at Mt Gardner over time.

	Estimate	s.e.	t value	<i>P</i> value
Intercept	10370	1276	8.123	<0.001
YEAR – 1996	–5.105	0.636	–8.03	<0.001
YEAR – 1996	–20530	1508	–13.611	<0.001
YEAR:YEAR – 1996	10.290	0.754	13.642	<0.001

**Table S2.** Piecewise regression results for scrub-bird counts at Lake Gardner over time.

	Estimate	s.e.	t value	<i>P</i> value
Intercept	1392.273	400.203	3.479	0.001
YEAR	–0.694	0.200	–3.466	0.001
YEAR – 1986	–9169.464	857.560	–10.693	<0.001
YEAR:YEAR – 1986	4.638	0.433	10.722	<0.001

**Table S3.** Linear regression results for scrub-bird counts over time at Mt Gardner from 2011 to 2015.

	Estimate	s.e.	t value	<i>P</i> value
Intercept	28891.1	8649.658	3.34	0.044
Year	−14.3	4.297	−3.328	0.045

**Figure S1.** Decline of scrub birds post 2015 wildfire. Numbers post-fire (X) fall within the 95% confidence intervals (dotted black lines) of the pre-fire regression line (dashed black line) defined by five pre-fire counts (black circles).

