

## Supplementary Material

### **Mammal responses to moderate-intensity planned burning in a small, isolated woodland reserve**

*Michael M. Driessen<sup>A,B,D</sup>, Peter J. Jarman<sup>C</sup>, Micah Visoiu<sup>A</sup> and Elise Dewar<sup>A</sup>*

<sup>A</sup>Natural Values Science Section, Department of Primary Industries, Parks, Water and Environment, Tasmania, PO Box 44, Hobart, Tas. 7001, Australia.

<sup>B</sup>School of Technology, Environments and Design, University of Tasmania, Private Bag 78, Hobart, Tas. 7001, Australia.

<sup>C</sup>C/o School of Biological Sciences, University of Tasmania, Private Bag 5, Hobart, Tas. 7001, Australia.

<sup>D</sup>Corresponding author. Email: Michael.Driessen@dpiwwe.tas.gov.au

**Table S1. General linear models of vegetation density (0-50 and 50-100 cm), mammal species activity (recorded by live- and camera-trapping), treatment and time since fire (TSF) showing partitioning of variation and tests of treatment, TSF and their interaction**

**A. Vegetation**

Source	Index of vegetation density 0-50cm					Index of vegetation density 50-100 cm				
	df	Adj SS	Adj MS	F-Value	P-Value	df	Adj SS	Adj MS	F-Value	P-Value
Treatment	1	2813	2812.74	35.04	0.000	1	2489	2488.84	63.38	0.000
TSF	3	6467	2155.75	26.86	0.000	3	5920	1973.45	50.26	0.000
Treatment*TSF	3	7152	2383.93	29.70	0.000	3	3544	1181.40	30.09	0.000
Error	50	4013	80.27			50	1963	39.27		
Total	57	20697				57	14184			

**B. Mammals**

Source	Live-trapping					Camera-trapping				
	df	Adj SS	Adj MS	F-Value	P-Value	df	Adj SS	Adj MS	F-Value	P-Value
<b>Long-nosed potoroo (ln)</b>										
Treatment	1	21.56	21.56	13.01	0.001	1	1.19	1.19	1.71	0.196
TSF	4	41.99	10.50	6.33	0.000	4	12.439	3.11	4.48	0.003
Treatment*TSF	4	15.37	3.84	2.32	0.066	4	0.88	0.22	0.32	0.866
Error	65	107.71	1.66			60	41.60	0.69		
Total	74	182.36				69	55.74			
<b>Tasmanian pademelon</b>										
Treatment						1	0.04	0.04	0.07	0.788
TSF						4	34.00	8.50	15.44	0.000
Treatment*TSF						4	6.44	1.61	2.92	0.028
Error						60	33.04	0.55		
Total						69	74.83			

**Red-necked wallaby**

Treatment						1	6.64	6.64	9.19	0.004
TSF						4	21.85	5.46	7.56	0.000
Treatment*TSF						4	6.11	1.53	2.11	0.090
Error						60	43.36	0.72		
Total						69	83.91			

**Brushtail possum**

Treatment	1	78.51	78.51	3.29	0.075	1	7.37	7.37	5.16	0.027
TSF	4	388.64	97.16	4.07	0.005	4	80.517	20.13	14.10	0.000
Treatment*TSF	4	37.36	9.34	0.39	0.814	4	6.32	1.58	1.11	0.362
Error	65	1553.32	23.90			60	85.65	1.43		
Total	74	2083.66				69	185.56			

**Southern brown bandicoot**

Treatment	1	45.14	45.14	3.26	0.076	1	0.31	0.308	0.13	0.719
TSF	4	247.34	61.84	4.46	0.003	4	51.47	12.87	5.43	0.001
Treatment*TSF	4	68.45	17.11	1.23	0.305	4	3.89	0.97	0.41	0.801
Error	65	900.95	13.86			60	142.05	2.37		
Total	74	1252.51				69	197.42			

**Short-beaked echidna**

Treatment						1	0.01	0.01	0.33	0.566
TSF						4	0.20	0.05	1.81	0.138
Treatment*TSF						4	0.04	0.01	0.35	0.845
Error						60	1.654	0.03		
Total						69	1.91			

**Swamp rat**

Treatment	1	17.36	17.36	2.99	0.088	1	4.89	4.89	3.07	0.085
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TSF	4	511.70	127.92	22.06	0.000	4	12.55	3.14	1.97	0.111
Treatment*TSF	4	96.17	24.04	4.15	<b>0.005</b>	4	20.69	5.17	3.24	0.018
Error	65	376.99	5.80			60	95.67	1.60		
Total	74	1011.59				69	134.23			

**House mouse**

Treatment	1	4.84	4.84	0.31	0.582	1	1.67	1.67	0.70	0.406
TSF	4	340.54	85.14	5.4	0.001	4	9.51	2.38	0.99	0.418
Treatment*TSF	4	56.80	14.20	0.9	0.469	4	7.63	1.91	0.80	0.531
Error	65	1025.37	15.78			60	143.46	2.39		
Total	74	1448.73				69	165.32			

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