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*Australian Mammalogy*

## **Supplementary Material**

### **Detection of rabbit and wombat warrens in broad-scale satellite imagery**

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1 **Supplementary Material**

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3 **Table S1.** Field survey records collected in March and September of 2023 along Cook Road and Ooldea Road on the Nullarbor Plain.

4 Records reference GPS locations and associated characteristics of individual warrens, including associated species, approximate size,

5 burrow activity, scat estimates, and general comments.

FID	Transect	Site	Observer	Species	Number of burrows	Diameter (m)	Activity	Active wombat burrows	Active rabbit burrows	Inactive wombat burrows	Inactive rabbit burrows	Scats	Scat (species)	Scat age	Comments	Lat	Long
0	Ooldea	22	1	Rabbit	7	6	0	0	0	0	7	0			Rabbit scratches	-30.4766	131.8542
1	Ooldea	21	1	Rabbit	0	18	0	0	0	0	0	0				-30.527	131.9564
2	Ooldea	21	1	Rabbit	5	10	1	0	5	0	0	0			Canopy	-30.5298	131.9578
3	Ooldea	21	1	Rabbit	1	5	1	0	1	0	0	0				-30.5299	131.9575
4	Ooldea	21	1	Rabbit	2	5	1	0	2	0	0	0			Canopy	-30.5294	131.956
5	Ooldea	21	1	Rabbit	15	20	1	0	15	0	0	0				-30.5279	131.9553
6	Ooldea	20	1	Rabbit	50	30	0	0	0	0	50	0				-30.6109	132.0143
7	Ooldea	20	1	Rabbit	6	15	0	0	0	0	6	1000	Rabbit	Fresh		-30.6108	132.0142
9	Ooldea	19	1	Rabbit	18	25	1	0	8	0	10	0				-30.7027	132.0555
10	Ooldea	19	1	Rabbit	25	20	0	0	0	0	25	0			Rabbit scratches	-30.703	132.0552
11	Ooldea	19	1	Rabbit	15	25	1	0	5	0	10	0				-30.7021	132.0544
12	Ooldea	19	1	Rabbit	25	30	1	0	15	0	10	0				-30.7011	132.055
13	Ooldea	19	1	Rabbit	22	30	1	0	2	0	20	0				-30.7008	132.0554
14	Ooldea	19	1	Rabbit	20	30	0	0	0	0	20	0				-30.701	132.0556
15	Ooldea	17	1	Rabbit	7	30	0	0	0	0	7	0			Collapsed	-30.8813	132.0913
16	Ooldea	17	1	Rabbit	15	25	0	0	0	0	15	0			Collapsed	-30.8821	132.09
17	Ooldea	17	1	Rabbit	10	25	1	0	1	0	9	0			Collapsed	-30.8821	132.0896
18	Ooldea	17	1	Rabbit	14	20	1	0	4	0	10	1000	Rabbit	Fresh	Collapsed	-30.8799	132.0919
19	Ooldea	16	1	Wombat	5	20	1	5	0	0	0	0				-30.9681	132.0851
20	Ooldea	16	1	Wombat	1	10	1	1	0	0	0	0				-30.969	132.0843

21	Ooldea	16	1	Wombat	7	25	1	2	0	5	0	0				-30.9697	132.0834
22	Ooldea	16	1	Wombat	10	40	1	10	0	0	0	0				-30.9688	132.0834
23	Ooldea	16	1	Wombat	1	10	1	1	0	0	0	0				-30.9683	132.0842
24	Ooldea	16	1	Wombat	15	25	1	5	0	10	0	0				-30.9675	132.085
25	Ooldea	16	1	Rabbit	18	0	1	0	3	0	15	10	Wombat	Old	Collapsed	-30.9669	132.0858
26	Ooldea	16	1	Wombat	1	10	1	1	0	0	0	0				-30.9668	132.0858
27	Ooldea	15	1	Rabbit	5	15	0	0	0	0	5	0			Collapsed	-31.068	132.0814
28	Ooldea	15	1	Wombat	3	30	1	3	0	0	0	50	Rabbit	Fresh	Rabbit diggings	-31.0667	132.0809
29	Ooldea	15	1	Both	9	40	1	3	1	5	0	100	Rabbit			-31.0668	132.0816
30	Ooldea	15	1	Wombat	13	30	1	13	0	0	0	0				-31.0662	132.0818
31	Ooldea	15	1	Both	7	20	1	2	0	4	1	0				-31.0662	132.082
32	Ooldea	13	1	Both	7	20	1	1	5	0	0	0				-31.2476	132.0796
33	Ooldea	13	1	Rabbit	0	5	0	0	0	0	0	100	Rabbit	Fresh	Collapsed	-31.2471	132.0795
34	Ooldea	13	1	Wombat	1	3	0	0	0	1	0	150	Rabbit	Old	Collapsed	-31.2477	132.0791
35	Ooldea	13	1	Wombat	1	8	1	1	0	0	0	20	Rabbit	Old	Rabbit scratches	-31.2477	132.0779
36	Ooldea	13	1	Wombat	0	20	0	0	0	0	0	0			Rabbit scratches	-31.2464	132.0785
37	Ooldea	12	1	Wombat	0	25	0	0	0	0	0	0			Rabbit scratches	-31.3445	132.1042
38	Ooldea	12	1	Wombat	4	30	1	4	0	0	0	0			Rabbit scratches	-31.3441	132.1025
39	Ooldea	12	1	Wombat	2	15	1	2	0	0	0	200	Rabbit	Fresh		-31.3434	132.1026
40	Ooldea	12	1	Wombat	5	30	1	4	0	1	0	0			Rabbit scratches	-31.3429	132.1036
41	Ooldea	12	1	Wombat	1	0	1	1	0	0	0	0			Collapsed	-31.3435	132.104
42	Ooldea	11	1	Wombat	1	5	1	1	0	0	0	0				-31.4421	132.1016
43	Ooldea	11	1	Rabbit	5	5	1	0	3	0	2	200	Rabbit	Fresh		-31.442	132.1014
44	Ooldea	11	1	Both	2	5	1	1	0	0	1	100	Rabbit	Old		-31.4416	132.1011
45	Ooldea	11	1	Wombat	1	3	0	0	0	1	0	0				-31.4408	132.1021
46	Ooldea	11	1	Wombat	2	5	1	2	0	0	0	0			Rabbit scratches	-31.4405	132.1027

50	Cook	1	1	Both	5	30	1	1	4	0	0	500	Rabbit				-31.4646	130.4903
51	Cook	1	1	Both	7	8	1	1	6	0	0	0					-31.4641	130.4904
52	Cook	1	1	Both	22	50	1	2	20	0	0	0					-31.4636	130.4907
53	Cook	1	1	Both	7	12	1	1	5	1	0	500	Rabbit				-31.4643	130.491
55	Cook	1	1	Both	16	20	1	0	15	1	0	500	Rabbit				-31.4651	130.4915
61	Cook	1	1	Rabbit	12	0	1	0	12	0	0	0					-31.465	130.4888
62	Cook	1	1	Wombat	1	5	0	0	0	1	0	0			Collapsed		-31.3756	130.4901
63	Cook	2	1	Wombat	1	5	0	0	0	1	0	0					-31.3759	130.4906
65	Cook	2	1	Wombat	1	8	1	1	0	0	0	0					-31.3769	130.4921
66	Cook	2	1	Wombat	1	10	1	1	0	0	0	0					-31.3769	130.4922
67	Cook	2	1	Wombat	2	8	1	1	0	1	0	0					-31.377	130.4922
68	Cook	2	1	Wombat	13	20	1	12	0	1	0	0					-31.3771	130.4924
69	Cook	2	1	Wombat	1	6	1	1	0	0	0	0					-31.3772	130.4928
71	Cook	2	1	Wombat	2	5	1	2	0	0	0	0					-31.3777	130.4927
72	Cook	2	1	Wombat	4	5	1	4	0	0	0	0					-31.3778	130.4927
73	Cook	2	1	Wombat	5	20	1	5	0	0	0	0					-31.3779	130.4925
74	Cook	2	1	Wombat	3	15	1	3	0	0	0	0					-31.3781	130.4925
75	Cook	2	1	Wombat	3	10	1	3	0	0	0	0					-31.3784	130.4911
76	Cook	2	1	Wombat	1	4	0	0	0	1	0	0			Collapsed		-31.3782	130.4908
77	Cook	2	1	Wombat	7	0	1	4	0	3	0	0					-31.3778	130.4897
78	Cook	2	1	Wombat	1	5	1	1	0	0	0	0					-31.3776	130.4892
83	Cook	6	1	Rabbit	15	25	1	0	5	0	10	500	Rabbit				-31.01	130.4898
86	Cook	4	1	Both	3	5	1	0	2	1	0	500	Rabbit				-31.1927	130.4869
87	Cook	4	1	Rabbit	3	6	1	0	2	0	1	0					-31.1929	130.4866
89	Cook	4	1	Wombat	1	4	0	0	0	1	0	0					-31.1931	130.4862
93	Cook	3	1	Wombat	1	7	1	1	0	0	0	0					-31.2821	130.4844
94	Cook	3	1	Wombat	3	15	0	0	0	3	0	0			Collapsed		-31.2817	130.4851
95	Cook	3	1	Wombat	1	5	0	0	0	1	0	0			Collapsed		-31.2822	130.4859
96	Ooldea	22	2	Rabbit	4	14	0	0	0	0	4	0					-30.4788	131.8557
97	Ooldea	22	2	Rabbit	6	16	0	0	0	0	6	0					-30.4788	131.856

98	Ooldea	21	2	Rabbit	0	10	0	0	0	0	0	0			Overgrown	-30.5259	131.9541
99	Ooldea	21	2	Rabbit	9	24	1	0	3	0	6	100	Rabbit	Fresh	Overgrown	-30.5266	131.9513
100	Ooldea	21	2	Rabbit	3	15	0	0	0	0	3	20	Rabbit	Fresh	Rabbit scratches	-30.5278	131.9508
101	Ooldea	21	2	Rabbit	5	13	1	0	3	0	2	20	Rabbit	Old	Rabbit scratches	-30.5263	131.9545
102	Ooldea	20	2	Rabbit	14	30	1	0	12	0	2	500	Rabbit	Fresh	Rabbit scratches	-30.6071	132.0142
103	Ooldea	20	2	Rabbit	0	10	0	0	0	0	0	0				-30.6091	132.0108
104	Ooldea	20	2	Rabbit	0	0	0	0	0	0	0	0				-30.609	132.0107
105	Ooldea	19	2	Rabbit	3	9	0	0	0	0	3	0			Collapsed	-30.6995	132.0548
106	Ooldea	19	2	Rabbit	6	15	0	0	0	0	6	10	Rabbit	Old		-30.7002	132.0518
107	Ooldea	19	2	Rabbit	11	20	1	0	6	0	5	200	Rabbit	Fresh		-30.7006	132.0546
108	Ooldea	19	2	Rabbit	0	11	0	0	0	0	0	0			Active	-30.7009	132.0545
109	Ooldea	18	2	Wombat	0	0	0	0	0	0	0	0			Collapsed	-30.7848	132.0885
110	Ooldea	17	2	Rabbit	0	8	0	0	0	0	0	0				-30.8788	132.0919
111	Ooldea	17	2	Rabbit	11	12	0	0	0	0	11	0				-30.8782	132.089
112	Ooldea	17	2	Rabbit	0	15	0	0	0	0	0	0				-30.8784	132.0889
113	Ooldea	17	2	Rabbit	0	10	0	0	0	0	0	0				-30.8794	132.0918
114	Ooldea	16	2	Both	7	14	0	0	0	1	6	0			Dog tracks	-30.9649	132.0853
115	Ooldea	16	2	Wombat	10	20	1	7	0	3	0	20	Rabbit	Fresh		-30.9663	132.0854
116	Ooldea	15	2	Wombat	2	8	1	2	0	0	0	20	Rabbit	Old		-31.0652	132.083
117	Ooldea	15	2	Rabbit	1	0	1	0	1	0	0	50	Rabbit	Fresh		-31.0651	132.0825
118	Ooldea	15	2	Wombat	1	4	1	1	0	0	0	20	Rabbit	Fresh		-31.0651	132.0824
119	Ooldea	15	2	Both	8	23	1	7	1	0	0	0				-31.0652	132.0822
120	Ooldea	15	2	Wombat	7	23	1	6	0	1	0	40	Rabbit	Fresh		-31.0649	132.0818
121	Ooldea	15	2	Wombat	2	9	1	2	0	0	0	20	Rabbit	Fresh		-31.0651	132.0809
122	Ooldea	15	2	Wombat	1	5	1	1	0	0	0	20	Rabbit			-31.0651	132.0804
123	Ooldea	15	2	Wombat	3	25	1	3	0	0	0	100	Rabbit	Fresh		-31.0652	132.0805
124	Ooldea	15	2	Rabbit	1	0	1	0	1	0	0	50	Rabbit	Fresh		-31.0655	132.0816
125	Ooldea	15	2	Rabbit	1	0	1	0	1	0	0	0				-31.0657	132.0822

126	Ooldea	15	2	Both	10	17	1	2	5	0	3	200	Rabbit	Fresh	Rabbit scratches	-31.0657	132.0823
127	Ooldea	15	2	Both	6	11	1	4	0	0	2	0			Rabbit scratches	-31.0658	132.0828
128	Ooldea	14	2	Rabbit	0	0	0	0	0	0	0	0				-31.1542	132.0772
129	Ooldea	14	2	Rabbit	0	13	0	0	0	0	0	0				-31.1544	132.0763
130	Ooldea	14	2	Rabbit	9	0	1	0	7	0	2	200	Rabbit	Fresh	Canopy	-31.1547	132.0759
131	Ooldea	14	2	Rabbit	1	2	1	0	1	0	0	0				-31.1541	132.0756
132	Ooldea	14	2	Rabbit	4	0	1	0	2	0	2	100	Rabbit	Fresh	Dead rabbit	-31.1539	132.0756
133	Ooldea	13	2	Rabbit	6	13	0	0	0	0	6	0				-31.2429	132.0777
134	Ooldea	13	2	Both	2	12	1	0	1	1	0	40	Rabbit	Fresh		-31.2429	132.0771
135	Ooldea	13	2	Rabbit	2	3	1	0	2	0	0	100	Rabbit	Fresh	Canopy	-31.2432	132.077
136	Ooldea	12	2	Both	8	15	0	0	0	8	0	0				-31.3425	132.1052
137	Ooldea	12	2	Both	0	11	0	0	0	0	0	0				-31.3421	132.105
138	Ooldea	12	2	Wombat	3	12	0	0	0	0	0	20	Rabbit	Fresh	Rabbit scratches	-31.3421	132.1043
139	Ooldea	12	2	Wombat	4	15	1	1	0	3	0	0				-31.3408	132.1028
140	Ooldea	12	2	Wombat	6	24	1	6	0	0	0	0				-31.3406	132.1018
141	Ooldea	12	2	Wombat	3	22	1	3	0	0	0	0				-31.3411	132.1017
142	Ooldea	12	2	Wombat	2	11	1	1	0	1	0	10	Wombat	Fresh		-31.3419	132.1022
143	Ooldea	12	2	Wombat	7	21	1	4	0	3	0	0				-31.3423	132.1027
144	Ooldea	12	2	Wombat	1	11	0	0	0	1	0	0				-31.3429	132.1042
145	Ooldea	12	2	Wombat	1	8	0	0	0	1	0	0				-31.343	132.1047
146	Ooldea	11	2	Wombat	1	12	1	1	0	0	0	0			Collapsed	-31.4387	132.1026
147	Ooldea	11	2	Both	7	2	1	3	2	1	1	30	Rabbit		Rabbit scratches	-31.4386	132.1019
148	Ooldea	11	2	Both	3	8	1	1	1	1	0	0				-31.4387	132.1013
149	Ooldea	11	2	Rabbit	1	1	1	0	1	0	0	10	Rabbit			-31.4394	132.1032
151	Cook	1	2	Wombat	3	9	0	0	0	3	0	0				-31.4633	130.4865
152	Cook	1	2	Both	4	10	0	0	0	3	1	50	Rabbit	Old		-31.463	130.4857
154	Cook	1	2	Both	3	10	1	1	0	1	1	0				-31.463	130.4855

155	Cook	1	2	Wombat	2	7	0	0	0	2	0	0					-31.463	130.4853	
158	Cook	2	2	Wombat	1	2	0	0	0	1	0	10	Rabbit	Fresh				-31.3757	130.4867
159	Cook	2	2	Both	5	18	1	2	1	2	0	300	Rabbit					-31.3751	130.4865
160	Cook	2	2	Rabbit	8	0	1	0	6	0	2	50	Rabbit	Fresh				-31.3741	130.4851
161	Cook	2	2	Rabbit	7	12	1	0	4	0	3	0						-31.3752	130.4842
162	Cook	2	2	Wombat	1	2	0	0	0	1	0	0						-31.3757	130.4856
163	Cook	2	2	Wombat	1	3	0	0	0	1	0	300	Rabbit		Used by rabbits			-31.3756	130.4859
164	Cook	5	2	Rabbit	1	1	0	0	0	0	1	0						-31.0965	130.4882
166	Cook	3	2	Rabbit	4	9	1	0	3	0	1	100	Rabbit	Fresh				-31.1926	130.4882
167	Cook	4	2	Wombat	3	15	1	1	0	2	0	0						-31.1925	130.4878
168	Cook	4	2	Both	3	15	0	0	0	2	1	0						-31.2841	130.4897
169	Cook	4	2	Wombat	3	12	1	2	0	1	0	0						-31.2841	130.4901
170	Cook	4	2	Wombat	1	7	1	1	0	0	0	0						-31.2838	130.4899
171	Cook	4	2	Both	3	6	0	0	0	1	2	0						-31.2834	130.4893
172	Cook	3	2	Wombat	3	7	1	1	0	2	0	20	Rabbit	Fresh				-31.2833	130.4889
173	Cook	1	3	Rabbit	2	3	0	0	0	0	2	0			Overgrown			-31.4653	130.4858
174	Cook	1	3	Rabbit	1	2	0	0	0	0	1	0			Collapsed			-31.4664	130.4854
175	Cook	1	3	Rabbit	0	2	0	0	0	0	0	0			Canopy			-31.4644	130.4861
176	Cook	2	3	Rabbit	2	5	0	0	0	0	2	0			Rabbit scratches			-31.3769	130.4868
178	Cook	2	3	Rabbit	1	1	0	0	0	0	1	0						-31.3769	130.4849
179	Cook	2	3	Rabbit	1	1	0	0	0	0	1	0						-31.3767	130.4849
180	Cook	2	3	Wombat	2	10	0	0	0	2	0	0						-31.3764	130.4853
181	Cook	2	3	Wombat	6	15	0	0	0	6	0	100	Rabbit	Old	Collapsed			-31.3763	130.4862
182	Cook	2	3	Wombat	2	6	0	0	0	2	0	0						-31.3762	130.4863
183	Cook	2	3	Wombat	2	5	0	0	0	2	0	0			Collapsed			-31.3762	130.4869
185	Cook	5	3	Rabbit	1	2	1	0	1	0	0	0			Canopy			-31.0953	130.4886
186	Cook	4	3	Rabbit	1	3	0	0	0	0	1	0			Collapsed			-31.1918	130.4882
187	Cook	4	3	Rabbit	1	1	0	0	0	0	1	0						-31.1923	130.4883

188	Cook	3	3	Wombat	4	15	1	4	0	0	0	50	Wombat	Fresh		-31.2818	130.4893
189	Cook	3	3	Wombat	4	13	1	4	0	0	0	0				-31.2811	130.4896
190	Cook	3	3	Wombat	1	3	0	0	0	1	0	0				-31.281	130.4893
191	Cook	3	3	Wombat	2	10	0	0	0	2	0	0				-31.2808	130.4889
193	Ooldea	13	3	Rabbit	0	2	0	0	0	0	0	0			Rabbit scratches	-31.2469	132.0824
194	Ooldea	13	3	Wombat	3	2	1	1	0	2	0	0				-31.2461	132.0829
195	Ooldea	13	3	Wombat	5	15	1	4	0	1	0	50	Wombat	Fresh	Rabbit scratches	-31.2449	132.0839
196	Ooldea	13	3	Wombat	2	9	1	2	0	0	0	50	Wombat	Fresh		-31.2449	132.0828
197	Ooldea	13	3	Both	7	10	0	0	0	3	4	0				-31.2453	132.0818
198	Ooldea	12	3	Wombat	3	10	1	1	0	2	0	100	Wombat	Old	Rabbit scratches	-31.3447	132.1066
199	Ooldea	12	3	Wombat	5	0	1	2	0	3	0	50	Wombat	Fresh	Rabbit scratches	-31.345	132.1073
200	Ooldea	12	3	Wombat	3	5	1	3	0	0	0	50	Wombat	Fresh		-31.3443	132.1086
201	Ooldea	12	3	Rabbit	10	12	0	0	0	0	10	0				-31.3432	132.1082
202	Ooldea	11	3	Wombat	1	3	0	0	0	1	0	0			Collapsed	-31.4407	132.1056
203	Ooldea	11	3	Wombat	2	2	0	0	0	2	0	0				-31.4412	132.107
204	Ooldea	11	3	Wombat	1	2	1	1	0	0	0	0				-31.4403	132.1081
205	Ooldea	11	3	Wombat	3	10	0	0	0	3	0	0			Collapsed	-31.4391	132.1079
206	Ooldea	11	3	Wombat	4	10	1	4	0	0	0	50	Wombat	Fresh		-31.4388	132.1069
207	Ooldea	22	3	Rabbit	4	12	0	0	0	0	4	0				-30.4793	131.8507
208	Ooldea	22	3	Rabbit	8	5	0	0	0	0	8	0				-30.4797	131.852
209	Ooldea	21	3	Rabbit	8	10	0	0	0	0	8	0			Collapsed	-30.5253	131.9578
210	Ooldea	20	3	Rabbit	5	7	1	0	5	0	0	0				-30.6086	132.0188
212	Ooldea	20	3	Rabbit	1	2	0	0	0	0	1	0			Collapsed	-30.6086	132.0189
213	Ooldea	20	3	Rabbit	10	7	1	0	8	0	2	0				-30.6074	132.0176
214	Ooldea	20	3	Rabbit	11	10	1	0	7	0	4	0				-30.6075	132.0175
215	Ooldea	20	3	Rabbit	5	6	0	0	0	0	5	0			Collapsed	-30.6074	132.0171
216	Ooldea	19	3	Rabbit	0	10	0	0	0	0	0	500	Rabbit	Old		-30.7014	132.0596



217	Ooldea	19	3	Rabbit	8	7	1	0	3	0	5	0				-30.7016	132.0601
218	Ooldea	19	3	Rabbit	6	12	0	0	0	0	6	0			Collapsed	-30.7014	132.0604
219	Ooldea	18	3	Rabbit	10	5	1	0	3	0	7	0				-30.7867	132.093
220	Ooldea	18	3	Rabbit	14	10	1	0	2	0	12	50	Rabbit	Fresh		-30.7863	132.0934
221	Ooldea	16	3	Rabbit	9	5	1	0	2	0	7	100	Rabbit	Fresh		-30.9695	132.0881
222	Ooldea	16	3	Rabbit	25	30	1	0	5	0	20	100	Rabbit	Fresh		-30.9694	132.0885
223	Ooldea	15	3	Both	6	12	1	1	2	0	3	100	Wombat	Fresh		-31.0672	132.0849
224	Ooldea	15	3	Both	5	0	1	2	3	0	0	500	Rabbit	Fresh		-31.0671	132.0857
225	Ooldea	15	3	Wombat	2	0	1	2	0	0	0	50	Wombat	Old		-31.067	132.0862
226	Cook	7	2	Rabbit	5	11	0	0	0	0	5	0				-30.9157	130.4724
227	Cook	7	2	Rabbit	4	8	1	0	2	0	3	0				-30.9169	130.4761
228	Cook	8	2	Rabbit	5	15	0	0	0	0	5	0				-30.8302	130.4548
229	Cook	8	2	Rabbit	1	6	0	0	0	0	1	0				-30.8305	130.4567
230	Cook	9	2	Rabbit	5	10	1	0	3	0	2	0				-30.7369	130.4371
231	Cook	9	2	Rabbit	8	12	1	0	2	0	6	0				-30.7386	130.4356
232	Cook	9	2	Rabbit	4	8	1	0	3	0	1	0				-30.7394	130.4357
233	Cook	10	2	Rabbit	14	12	1	0	10	0	4	0				-30.6468	130.4178
234	Cook	10	2	Rabbit	0	8	0	0	0	0	0	0				-30.6481	130.4174
235	Cook	10	2	Rabbit	7	14	0	0	0	0	7	0				-30.6484	130.4183
236	Cook	7	3	Rabbit	5	20	0	0	0	0	5	0				-30.9152	130.4775
237	Cook	7	3	Rabbit	2	7	0	0	0	0	2	0				-30.9124	130.4788
238	Cook	7	3	Rabbit	2	2	0	0	0	0	2	0				-30.9125	130.4808
239	Cook	7	3	Rabbit	2	2	0	0	0	0	2	0				-30.9158	130.4781
240	Cook	8	3	Rabbit	12	12	1	0	2	0	10	0				-30.8244	130.4592
241	Cook	8	3	Rabbit	1	2	0	0	0	0	1	0				-30.8273	130.4604
242	Cook	9	3	Rabbit	5	7	0	0	0	0	5	0				-30.7347	130.4408
243	Cook	9	3	Both	5	15	1	0	3	2	0	0				-30.7345	130.441
244	Cook	9	3	Rabbit	10	13	1	0	1	0	9	0				-30.7331	130.4418
245	Cook	9	3	Rabbit	2	5	1	0	1	0	1	0				-30.7332	130.4422
246	Cook	9	3	Rabbit	5	20	1	0	5	0	0	0				-30.7358	130.4416

247	Cook	10	3	Rabbit	7	15	1	0	1	0	6	0					-30.6457	130.422	
248	Cook	10	3	Rabbit	1	1	0	0	0	0	1	0						-30.6463	130.4243
249	Cook	7	4	Rabbit	2	3	0	0	0	0	2	0						-30.9158	130.4781
250	Cook	7	4	Rabbit	3	4	0	0	0	0	3	0						-30.9155	130.4803
251	Cook	7	4	Rabbit	2	4	0	0	0	0	2	0						-30.9152	130.4817
252	Cook	7	4	Rabbit	2	4	0	0	0	0	2	0						-30.9145	130.485
253	Cook	8	4	Rabbit	5	12	0	0	0	0	5	0						-30.8278	130.4605
254	Cook	8	4	Rabbit	9	9	0	0	0	0	9	0						-30.8273	130.4663
255	Cook	8	4	Rabbit	3	5	0	0	0	0	3	0						-30.8276	130.4668
256	Cook	8	4	Rabbit	5	5	0	0	0	0	5	0						-30.828	130.4675
257	Cook	8	4	Rabbit	4	7	0	0	0	0	4	0						-30.8281	130.4687
258	Cook	8	4	Rabbit	5	8	0	0	0	0	5	0						-30.828	130.4687
259	Cook	8	4	Rabbit	2	3	0	0	0	0	2	0						-30.8283	130.4647
260	Cook	9	4	Both	6	7	0	0	0	2	4	0						-30.7358	130.442
261	Cook	9	4	Rabbit	2	4	0	0	0	0	2	0						-30.7362	130.4422
262	Cook	9	4	Rabbit	10	7	0	0	0	0	10	0						-30.736	130.4426
263	Cook	10	4	Rabbit	9	6	0	0	0	0	9	0						-30.6466	130.4211
264	Cook	10	4	Rabbit	7	7	0	0	0	0	7	0						-30.6464	130.4215
265	Cook	10	4	Rabbit	20	22	0	0	0	0	20	0						-30.6466	130.4235
266	Cook	10	4	Rabbit	3	4	0	0	0	0	3	0						-30.6479	130.426
267	Cook	10	4	Rabbit	4	5	0	0	0	0	4	0						-30.6479	130.4245
268	Cook	10	4	Rabbit	11	11	0	0	0	0	11	0						-30.6479	130.423
269	Cook	10	4	Rabbit	16	14	0	0	0	0	16	0						-30.6475	130.4213

8 **Table S2.** Results of field validation for warren detection of the southern hairy-nosed wombat and European rabbit in the Nullarbor Plain.  
 9 The study covered 22 sites along two road transects wherein both field and satellite imagery (<1 m resolution) were used to count wombat  
 10 and rabbit warrens. The table summarises the comparison between field and satellite estimates for each species.

Species	GPS records <sup>A</sup>	Satellite detections	Agreed	<i>Omission</i>		<i>Commission</i>	Best estimate <sup>B</sup>
				Satellite	Field	Satellite	
<b>Wombat</b>	<b>114</b> (85+29)	<b>107</b>	<b>97</b>	<b>17</b>	<b>5</b>	<b>5</b>	<b>119</b> (114+5)
<i>Cook Rd</i>	49 (36+13)	44	38	11	3	3	52 (49+3)
<i>Ooldea Rd</i>	65 (49+16)	63	59	6	2	2	67 (65+2)
<b>Rabbit</b>	<b>154</b> (125+29)	<b>100</b>	<b>81</b>	<b>73</b>	<b>13</b>	<b>6</b>	<b>167</b> (154+13)
<i>Cook Rd</i>	71 (58+13)	49	39	32	5	5	76 (71+5)
<i>Ooldea Rd</i>	83 (67+16)	51	42	41	8	1	91 (83+8)

11 <sup>A</sup> Includes the sum of GPS records and shared warrens.

12 <sup>B</sup> Calculated as the sum of GPS records and field omissions.

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