

doi:10.1071/PC21007_AC

Supplementary Material: *Pacific Conservation Biology*

Conservation status of common wombats in Tasmania I: incidence of mange and its significance

Michael M. Driessen^{A,C}, Elise Dewar^A, Scott Carver^B and Rosemary Gales^A

^ADepartment of Primary Industries, Parks, Water and Environment, PO Box 44, Hobart 7001, Tas., Australia.

^BDepartment of Biological Sciences, University of Tasmania, Tas., Australia.

^CCorresponding author. Email: Michael.Driessen@dpiwpe.tas.gov.au

Supplementary Material

Table S1. Vegetation (TASVEG code), altitude (m), mange prevalence data and survey data for 25 locations in Tasmania

D = number of days, N = number of nights; n = number of wombats (observation surveys) or number visits (camera surveys), m = number of wombats or wombat visits with mange, % = percentage mange, C = number of cameras, u = unknown survey effort; wombat observations reported monthly by Parks and Wildlife Service staff, Sp = spring, Su = summer, Au = autumn, Wi = winter.

REGION	Veg Code	Alt. (m)	Year	Season	Observational surveys								Camera surveys								
					Day				Night				C	D	Day			Night			
					D	n	m	%	N	n	m	%			n	m	%	n	m	%	
CENTRAL NORTH																					
Narawntapu	FAG	5	2016	Sp-Su	-	-	-	-	-	-	-	-	3	50	1	1	100.0	8	1	12.5	
			2017	Au	u	4	1	25.0	-	-	-	-	-	-	-	-	-	-	-	-	-
				Wi	u	5	2	40.0	-	-	-	-	-	-	-	-	-	-	-	-	-
				Sp	u	4	1	25.0	-	-	-	-	-	-	-	-	-	-	-	-	-
			2018	Su	u	4	1	25.0	-	-	-	-	-	-	-	-	-	-	-	-	-
				Au	u	3	1	33.3	2	1	0	0.0	22	29	1	0	0.0	2	0	0.0	
				Wi	u	4	1	25.0	-	-	-	-	-	-	-	-	-	-	-	-	
				Sp	u	2	1	50.0	-	-	-	-	-	-	-	-	-	-	-	-	
			2019	Su	u	2	1	50.0	-	-	-	-	-	-	-	-	-	-	-	-	-
				Au	u	2	1	50.0	1	0	-	-	22	42	0	-	-	5	0	0.0	
Wi	u	2		2	100.0	-	-	-	-	-	-	-	-	-	-	-	-				
Evandale	FAG	230	2018	Sp	1	1	0	0.0	1	16	3	18.8	-	-	-	-	-	-			
Total Central North						33	12	36.3		17	3	17.6			2	1	50.0	15	1	6.7	
CENTRAL PLATEAU																					
Cradle Mt	GPH	830	2016	Sp	2	37	0	0.0	-	-	-	-	-	-	-	-	-	-	-		
			2017	Su	2	24	0	0.0	-	-	-	-	-	-	-	-	-	-	-		
				Au	2	12	0	0.0	-	-	-	-	-	-	-	-	-	-	-		

REGION Location	Veg Code	Alt. (m)	Year	Season	Observational surveys								Camera surveys							
					Day				Night				C	D	Day			Night		
					D	n	m	%	N	n	m	%			n	m	%	n	m	%
				Wi	6	50	0	0.0	-	-	-	-	-	-	-	-	-	-	-	
				Sp	6	53	0	0.0	-	-	-	-	-	-	-	-	-	-	-	
			2018	Su	6	27	0	0.0	-	-	-	-	-	-	-	-	-	-	-	
				Au	6	27	0	0.0	-	-	-	-	-	-	-	-	-	-	-	
				Wi	6	39	0	0.0	-	-	-	-	-	-	-	-	-	-	-	
				Sp	6	37	0	0.0	-	-	-	-	-	-	-	-	-	-	-	
			2019	Su	6	30	0	0.0	-	-	-	-	-	-	-	-	-	-	-	
				Au	6	15	0	0.0	-	-	-	-	-	-	-	-	-	-	-	
				Wi	6	19	0	0.0	-	-	-	-	-	-	-	-	-	-	-	
				Sp	1	31	0	0.0	-	-	-	-	-	-	-	-	-	-	-	
				Su	1	12	0	0.0	-	-	-	-	-	-	-	-	-	-	-	
Vale of Belvoir	MGH	800	2017	Su	-	-	-	-	-	-	-	-	11	24	22	0	0.0	57	3	5.3
Five Rivers Reserve	DDE	1000	2017	Su-Au	-	-	-	-	-	-	-	-	37	49	22	2	9.1	104	1	1.0
Lake Mackenzie	DCO	1180	2016	Au-Wi	-	-	-	-	-	-	-	-	16	41	0	-	-	3	0	0.0
			2017	Su-Au	-	-	-	-	-	-	-	-	16	61	2	0	0.0	7	0	0.0
Gunn's Marsh	DDP	980	2019	Wi-Sp	-	-	-	-	-	-	-	-	11	81	13	0	0.0	24	0	0.0

REGION Location	Veg Code	Alt. (m)	Year	Season	Observational surveys								Camera surveys							
					Day				Night				C	D	Day			Night		
					D	n	m	%	N	n	m	%			n	m	%	n	m	%
Weston's Road	DCO	1115	2019	Wi-Sp	-	-	-	-	-	-	-	-	7	74	2	0	0.0	2	0	0.0
Lake Augusta	HHE	1150	2019	Wi-Sp	-	-	-	-	-	-	-	-	20	82	28	0	0.0	33	0	0.0
Top Marshes	HHE	1050	2019	Wi-Sp	-	-	-	-	-	-	-	-	4	73	5	0	0.0	2	0	0.0
Middlesex Plains	GPH	760	2017	Su	-	-	-	-	1	12	0	0.0	-	-	-	-	-	-	-	-
			2018	Su	-	-	-	-	1	8	0	0.0	-	-	-	-	-	-	-	-
			2019	Au	-	-	-	-	1	8	0	0.0	-	-	-	-	-	-	-	-
			2020	Su	-	-	-	-	1	9	0	0.0	-	-	-	-	-	-	-	-
Total Central Plateau						413	0	0.0		37	0	0.0			94	2	2.1	232	4	1.7
FLINDERS																				
Flinders I. South	FAG	20	2018	Sp	1	0	-	-	1	12	0	0.0	-	-	-	-	-	-	-	-
			2019	Sp	1	0	-	-	1	27	0	0.0	-	-	-	-	-	-	-	-

REGION Location	Veg Code	Alt. (m)	Year	Season	Observational surveys								Camera surveys							
					Day				Night				C	D	Day			Night		
					D	n	m	%	N	n	m	%			n	m	%	n	m	%
Flinders	FAG	50	2019	Sp	1	0	-	-	1	64	8	12.5	-	-	-	-	-	-	-	-
Middle Flinders North	FAG	20	2019	Sp	1	4	0	0.0	1	72	1	1.4	-	-	-	-	-	-	-	-
Total Flinders						4	0	0.0		175	9	5.1			-	-	-	-	-	-
EAST COAST																				
Forestier Peninsula	FAG	5	2017	Wi	-	-	-	-	1	113	1	0.9	-	-	-	-	-	-	-	-
			2017	Wi	1	63	0	0	-	-	-	-	-	-	-	-	-	-	-	-
			2018	Wi	-	-	-	-	1	80	0	0.0	-	-	-	-	-	-	-	-
			2019	Su	-	-	-	-	1	117	0	0.0	-	-	-	-	-	-	-	-
			2019	Sp	-	-	-	-	1	109	0	0.0	-	-	-	-	-	-	-	-
Maria Island	FAG	20	2018	Wi	2	550	0	0.0	2	154	0	0.0	-	-	-	-	-	-	-	-
			2019	Wi	2	304	0	0.0	2	61	0	0.0	-	-	-	-	-	-	-	-
Saltwater River	FAG	80	2017	Sp-Su	-	-	-	-	-	-	-	-	19	14	40	0	0.0	844	0	0.0
Freycinet	DAC	30	2016	Su	-	-	-	-	-	-	-	-	6	35	0	-	-	5	0	0.0

REGION Location	Veg Code	Alt. (m)	Year	Season	Observational surveys								Camera surveys								
					Day				Night				C	D	Day			Night			
					D	n	m	%	N	n	m	%			n	m	%	n	m	%	
Total East Coast					63	0	0.0		634	1	0.2			40	0	0.0	849	0	0.0		
NORTH EAST																					
Cape	FAG	20	2017	Au-Wi	-	-	-	-	-	-	-	-	2	34	0	-	-	11	0	0.0	
Portland																					
			2017	Wi	2	20	14	70.0	2	185	15	8.1	23	35	38	7	18.4	356	4	1.0	
*			2017	Wi	1	2	2	100.0	1	86	3	3.5	-	-	-	-	-	-	-	-	
			2018	Wi	2	25	6	24.0	2	212	17	8.0	-	-	-	-	-	-	-	-	
			2019	Au	2	8	5	62.5	2	205	13	6.3	-	-	-	-	-	-	-	-	
			2019	Wi	2	32	7	21.9	2	193	10	5.2	-	-	-	-	-	-	-	-	
			2019	Sp	2	11	1	9.1	2	237	19	8.0	-	-	-	-	-	-	-	-	
Mt William	DAC	20	2017	Su-Au	-	-	-	-	1	43	0	0.0	15	40	7	0	0.0	38	0	0.0	
Rushy	FAG	20	2017	Au	-	-	-	-	1	18	0	0.0	-	-	-	-	-	-	-	-	
Lagoon																					
Northeast			2017	Au	-	-	-	-	-	-	-	-	50	21	0	-	-	-	31	0	0.0
Inland**																					
Little Boggy	DAC	50	2017	Su	-	-	-	-	-	-	-	-	2	14	0	-	-	-	1	0	0.0
Ck																					
Bellingham	SCH	50	2017	Su	-	-	-	-	-	-	-	-	2	14	0	-	-	-	2	0	0.0
Tomahawk	SCH	10	2017	Au-Wi	-	-	-	-	-	-	-	-	2	43	0	-	-	-	9	0	0.0

REGION	Veg Location	Alt. Code (m)	Year	Season	Observational surveys								Camera surveys							
					Day				Night				C	D	Day			Night		
					D	n	m	%	N	n	m	%			n	m	%	n	m	%
Total North East					98	35	35.7		1179	77	6.5			40	7	17.5	426	4	0.9	

* Only the eastern transect was surveyed

** These cameras were spread over a broad area of north east Tasmania

TASVEG Codes: FAG = Agricultural land, GPH = Highland *Poa* grassland, MGH = Highland grassy sedgeland, DDE = *Eucalyptus delegatensis* dry forest and woodland, DCO = *E. coccifera* forest and woodland, DDP, *E. dalrympleana*-*E. pauciflora* forest and woodland, HHE= Eastern alpine heathland, DAC = *E. amygdalina* coastal forest and woodland, SCH = Coastal heathland.