



Figure S1. Cleared grassland, Talaroo Station.
Survey site V. Photo: Scott Morrison.



Figure S2. Natural grassland, Talaroo Station.
Survey site J. Photo: Scott Morrison.



Figure S3. Riparian vegetation, Ewamian Creek (wet season), Talaroo Station.
This stream typically flows for only a few months each year. Photo: Don Franklin.



Figure S4. Tea-tree (*Melaleuca bracteata*, Black Tea-tree) swamp forest , Talaroo Station.
Photo: Don Franklin.



Figure S5. Ironbark (*Eucalyptus crebra*, Narrow-leaved Ironbark) woodland, Talaroo Station.
Photo: Don Franklin.



Figure S6. Box (*Eucalyptus microneura*, Georgetown Box) woodland, Talaroo Station.
Survey site F. Photo: Scott Morrison.



Figure S7. *Acacia* (mixed species) shrubland, Newcastle Range, Talaroo Station.
Photo: Don Franklin.

Table S1. Ant species, functional groups, sites and capture rates at Talaroo Station, October 2017.

Capture rates are the number of traps per site out of a possible 15. * indicates a non-native species.

Sub-family/Species	Functional Group	Sites																				n traps	n sites				
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T			U	V	W	X
Dorylinae																											
<i>Lioponera</i> sp. S1	Specialist Predator												1							1						2	2
Ponerinae																											
<i>Anochetus</i> sp. A	Specialist Predator			1	1																					2	2
<i>Anochetus</i> sp. B	Specialist Predator						1																			1	1
<i>Leptogenys adlerzi</i>	Specialist Predator		1			1						1	2	2				2		1	1	1			1	13	10
<i>Odontomachus</i> nr. <i>turneri</i>	Opportunist									1				3	2			1			2				1	10	6
<i>Odontomachus</i> sp. A	Specialist Predator																				2					2	1
Ectatomminae																											
<i>Rhytidoponera</i> sp. A1 (<i>aurata</i> gp.)	Opportunist	1	4	1	2	1							4				5	8	11	5	2		1	2		47	13
<i>Rhytidoponera</i> nr. <i>rufithorax</i>	Opportunist									2	7	2			5	6	1	9	2	1					5	40	10
<i>Rhytidoponera</i> ? <i>convexa</i>	Opportunist													1	1											2	2
<i>Rhytidoponera</i> nr. <i>cornuta</i>	Opportunist		2										3										1			6	3
<i>Rhytidoponera</i> nr. <i>ferruginea</i>	Opportunist																	1			11					12	2
<i>Rhytidoponera</i> sp. R1 (<i>reticulata</i> gp.)	Opportunist	5								2							1			1	6					15	5
<i>Rhytidoponera</i> sp. Te1 (<i>tenuis</i> gp.)	Opportunist			2	1																					3	2
<i>Rhytidoponera</i> sp. T1 (<i>turneri</i> gp.)	Opportunist												3					3	1					1		8	4
<i>Rhytidoponera</i> sp. T2 (<i>turneri</i> gp.)	Opportunist											1														1	1
<i>Rhytidoponera</i> sp. T3 (<i>turneri</i> gp.)	Opportunist	1								1							2	3								7	4
<i>Rhytidoponera</i> sp. Ty1 (<i>tyloxys</i> gp.)	Opportunist																1				1					2	2
Myrmicinae																											
<i>Cardiocondyla atalanta</i>	Opportunist			1				4	8						7	1										21	5
<i>Cardiocondyla nuda</i>	Opportunist														1											1	1
<i>Crematogaster</i> sp. 10	Generalised Myrmicinae		4				1	4				1	1				1		2				1			15	8
<i>Crematogaster</i> sp. B	Generalised Myrmicinae							3																		4	2
<i>Crematogaster</i> sp. C	Generalised Myrmicinae																					1				1	1
<i>Crematogaster queenslandica</i>	Generalised Myrmicinae												1													1	1
<i>Meranoplus</i> sp. M1	Hot-Climat Specialist				1													1			1					3	3
<i>Meranoplus</i> sp. E1	Hot-Climat Specialist			1	1																					2	2
<i>Meranoplus ajax</i>	Hot-Climat Specialist						1																			1	1
<i>Meranoplus</i> sp. D1	Hot-Climat Specialist															1										1	1
<i>Meranoplus</i> sp. A1	Hot-Climat Specialist												1													1	1
<i>Meranoplus</i> nr. <i>dimidiatus</i>	Hot-Climat Specialist				1																					1	1
<i>Monomorium bicorne</i>	Hot-Climat Specialist											2														2	1
<i>Monomorium</i> sp. L1	Generalised Myrmicinae			2			1		1	1		1	1					3	2	1			2			15	10
<i>Monomorium</i> sp. L2	Generalised Myrmicinae																2								1	3	2
<i>Monomorium</i> sp. L3	Generalised Myrmicinae																					1				1	1
<i>Monomorium</i> sp. L4	Generalised Myrmicinae										2															2	1
<i>Monomorium</i> sp. L5	Generalised Myrmicinae			1				1		2										1						5	4
<i>Monomorium</i> sp. L6	Generalised Myrmicinae								1																	1	1
<i>Monomorium</i> sp. L7	Generalised Myrmicinae																			1						1	1
<i>Monomorium</i> sp. L8	Generalised Myrmicinae																	1								1	1
<i>Monomorium</i> sp. L9	Generalised Myrmicinae									1																1	1
<i>Monomorium</i> sp. L10	Generalised Myrmicinae					5	1																			6	2
<i>Monomorium</i> sp. N1	Generalised Myrmicinae			1	1	2	1	1					1	2				1	1		4			2		17	11

