

APPENDICES

Appendix 1 Abundances of ant species in pitfall traps (species–abundance data). Introduced species are denoted by an asterisk.

	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	N21	N22
<i>Ochetellus</i> sp.2	.	.	.	.	.	.	.	.	.	.	.	.	.	13	.	.	.	.	.	.	.	.
<i>Papyrius</i> sp.1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Tapinoma melanocephalum</i> *	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Tapinoma</i> sp.1	.	1	.	.	1	1	.	.	.	4	.	2	.	.	.	.	1	.	.	1	.	.
<i>Tap.</i> sp.2	.	.	9	.	.	.	.	.	.	.	3	.	.	.	.	.	.	.	.	.	.	.
<i>Tap.</i> sp. 3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
FORMICINAE																						
<i>Camponotus (nigroaeneus</i> gp.) sp.4	.	.	.	.	.	.	.	.	.	.	2	.	.	.	2	.	.	1	.	.	.	.
<i>Camp.</i> sp. 6	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>C. (discoirs</i> gp.) sp.8	.	2	.	1	.	.	.	.	.	.	.	1	.	1	1	2	.	.	.	22	2	.
<i>C. (variegatus</i> gp.) sp.9	4	.	3	.	2	.	.	6	2	3	.	4	.	1	.	.	.	.	.	.	.	.
<i>C. (variegatus</i> gp.) sp.11	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.
<i>C. (variegatus</i> gp.) sp.12	.	.	.	2	.	.	2	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.
<i>C. (variegatus</i> gp.) sp.13	1	.	3	.	2	.	.	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.
<i>C. (variegatus</i> gp.) sp.14	4	1	.	.	1	.	1	.	.	1	6	.	.	.	3	1	1	.	.	.	.	.
<i>C. (?cephippum</i> gp.) sp.15	.	.	.	.	.	.	1	.	.	.	1	.	.	.	.	.	1	.	.	.	.	.
<i>C. (rubiginosus</i> gp.) sp.17	.	.	.	1	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.
<i>Camp.</i> sp.18	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.
<i>Melophorus (aeneovirens</i> gp.) sp.1	6	10	2	14	.	2	2	4	4	.	50	.	.	8	12	13	18	5	1	.	33	64
<i>M. (aeneovirens</i> gp.) sp.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	59	.	.	.
<i>M. (aeneovirens</i> gp.) sp.4	.	.	.	.	.	.	.	2	.	13	1	54	52	31	.	.	1	4	.	.	.	.
<i>Mel.</i> sp.5	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Mel.</i> sp.6	.	4	.	4	.	2	7	24	13	.	1	.	.	.	6	.	34	2	1	36	8	.
<i>Mel.</i> sp. 9	.	12	.	2	.	.	.	1	.	.	.	1	35	39	2	.	.	.	7	.	26	.
<i>M. el</i> sp.10	7	43	.	115	.	1	.	23	47	65	101	.	.	1	9	1	1	4	22	72	23	.
<i>Mel.</i> sp.11	.	.	.	.	.	.	.	8	.	4	.	.	29	27	7	.	.	.	39	53	42	.
<i>Mel.</i> sp. 12	.	.	.	5	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Mel.</i> sp.13	8	2	.	3	.	.	9	25	4	1	.	.	2	.	.	.	.	.	.	.	3	2
<i>Mel.</i> sp.15	.	.	.	.	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Mel.</i> sp.16	.	.	.	.	.	.	.	.	.	.	74	.	.	.	36	36	.	4	.	15	.	.
<i>Mel.</i> sp.17	1	.	.	.	.	.	.	.	.	.	2	.	.	.	.	.	.	4	.	.	.	.
<i>Mel.</i> sp. 18	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>Mel.</i> sp.20	.	.	.	.	.	.	.	.	.	.	.	49	38	2	.	.	.	.	.	.	.	.
<i>Oecophylla smaragdina</i>	12	.	.	8	.	.	.	8	.	2	.	.	.	2	1	6	4	.	11	20	6	.
<i>Opisthopsis haddoni</i>	5	1	.	4	.	1	.	2	5	3	5	1	1	3	.	3	2	.	3	1	1	.
<i>Paratrechina longicornis</i> *	.	.	.	.	23	.	.	.	.	.	.	.	.	.	.	.	.	27	.	.	.	.
<i>P. (obscura</i> gp.) sp.3	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>P. (vaga</i> gp.) sp.4	8	1	1	7	7	3	.	.	1	16	.	.	.	2	.	.	.	.	.	.	.	.
<i>P. (vaga</i> gp.) sp. 7	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	7	.	.	.	.
<i>P. (minutula</i> gp.) sp.1	.	.	.	4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>P. (minutula</i> gp.) sp.2	3	5	.	16	.	.	.	9	5	1	55	.	.	.	4	1	.	1	20	2	19	62
<i>P. (minutula</i> gp.) sp.6	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	7	.	.	.	.
<i>Polyrhachis</i> gab	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	5	.	.	.	.	.
<i>P. inconspicua</i>	.	.	.	.	.	.	.	.	1	.	.	.	.	.	1	.	.	.	.	.	.	.
<i>P. pseudothrinax</i>	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>P. (Hagiomyrma)</i> sp.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.
<i>P. (Hagiomyrma)</i> sp.3	.	.	.	.	.	16	1	.	1	.	3	.	.	.	.	1	.	4	.	1	.	.
<i>P. (gab</i> gp.) sp.16	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
<i>P. (gab</i> gp.) sp.17	1	2	.	.	1	3	1	3	2	.	2	.	.	.	1	.	1	.	.	.	.	.
<i>Stigmacros (Stigmacros)</i> sp.2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.
<i>Stigmacros (Campostigmacros)</i> sp. 4	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total abundance	229	374	180	480	257	200	237	433	342	410	903	563	603	690	399	217	338	362	722	316	586	648
Number of species	32	45	17	41	19	34	30	39	40	31	52	26	27	35	35	32	35	35	43	20	29	32

Appendix 1 (cont'd)

	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	N21	N22
PONERINAE																						
<i>Anochetus rectangularis</i>		1							1							3	1					
<i>A. sp. nr. armstrongi</i>												1										
<i>Anochetus sp.1</i>																						
<i>Cerapachys sp.3</i>					1													2				
<i>Cer. sp.4</i>			1				1		2	1								3				
<i>Cer. sp.7</i>								1	1													
<i>C. (sp. nr. clarki) sp.8</i>								1														
<i>Discothyrea sp.1</i>																						
<i>Hypoponera sp.1</i>																						
<i>Leptogenys exigua</i>											1			2					2			
<i>Lept sp.2</i>														1								
<i>Odontomachus turneri</i>																		22				
<i>O. nr. turneri</i>	3		19		19					10		1										
<i>O. (ruficeps gp.) sp.</i>											1	1										
<i>Bothroponera sp.3</i>						1							1									
<i>Both. sp. 6</i>																						
<i>Both. sp. 7</i>																		3				
<i>Platythyrea parva</i>																	1					
<i>Rhytidoponera aurata</i>	4			14		7			1	39	13	13	60	31	5		11	4			6	6
<i>R. borealis</i>							1			27	2							11	3			
<i>R. reticulata</i>		17	31		6	1		18	3	11	10	64							17	32		
<i>R. trachypyx</i>		17		10		7	6		5		15						8					
<i>R. (aurata gp.) sp.1</i>															3	20	2	13			13	25
<i>R. (aurata gp.) sp.2</i>															2				23			
<i>R. (aurata gp.) sp.10</i>																		9				
<i>R. nr. rufithorax</i>											2											
<i>R. (reticulata gp.) sp.7</i>																						25
<i>R. (tenuis gp.) sp.9</i>	15	2		17		8	4	1	8	11				1	1		6	4			1	
<i>R. (turneri gp.) sp.3</i>				5									2		3	17						
<i>R. (tylosys gp.) sp.8</i>				7		2							1					4				
<i>R. (tylosys gp.) sp.11</i>												2		2								
<i>Sphinctomyrmex sp.2</i>												1										
<i>Sphinctomyrmex sp. 3</i>							2															
DORYLINAE																						
<i>Aenictus (ceylonicus group) sp.2</i>				1																		
MYRMICINAE																						
<i>Cardiocondyla ?nuda</i>	2		4		21	1									1							
<i>Crematogaster sp.1</i>	3	6					2	6	1				3	6		2			1			
<i>Crem. sp.2</i>			17		1																1	
<i>Gnamptomyrmex sp.2</i>																						
<i>Meranoplus (diversus gp.) sp.1</i>	2						4		1								1		14		3	
<i>M. (diversus gp.) sp.2</i>											2								1			
<i>M. (diversus gp.) sp.3</i>																						
<i>M. minimus</i>		7					3															
<i>M. (mjobergi gp.) sp.4</i>				2		1			25						1							
<i>M. (mjobergi gp.) sp.6</i>	1										1									5		
<i>Mer sp.6</i>											5											
<i>Mer. sp.8</i>	2	2				1	1										4					
<i>Mer. sp.10</i>																						
<i>Mer. sp.14</i>				4		7			2	1											3	3
<i>Mer. sp.15</i>											5						1					5
<i>Mer. sp.16</i>								1			2											
<i>Mer. sp.17</i>							2															

Appendix 1 (cont'd)

	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	N21	N22
Monomorium (rothsteini) sp.1								3	1								4		76			29
M. (Cheloner) sp.5								2			4		20	20							6	
M. (Cheloner) sp.6		5				1	3		1		4				5	15				1	4	4
M. (Cheloner) sp.7	1	1				2	6	13			2				2	9	2		9			7
Mon. sp.8		2		10																		
Mon. sp.9		2		4																		
Mon. sp.11		4	5	1		2	2			17	4	82	115	108	3	3	18		13	2	24	73
Mon. sp.13											7								1			2
Mon. sp.14				25	6	12		29			76	7	14	16	4	6	6	3	20	2	9	50
Mon. sp.17		4		3	9	18	1	7								2		27	1	0	11	18
Mon. sp.18		16							26													
Mon. sp.21	6	19		36	2	9	1	34	39		33	74	40	29	35	1	40	13	8	2		22
Mon. sp.22																1						
Mon. sp.23																5		10				
Mon. sp.24	20	14	2	5	3	1	1	11	15	12	12		3	10	6	9	19	49		17	11	8
Mon. sp.26															7	9						
Mon. sp.27																						
Mon. sp.28														1								
Mon. sp.29																						
Mon. sp.30																						
Mon. sp.31																			1			
Oligomyrmex sp.1						2										1						
Phaeodole sp.1																			36			6
Ph. sp.3			2	9					3	4			15	5			12		4		1	
Ph. sp.5		2						1				9	15									
Ph. sp.7																						
Ph. sp.8	6	5		3		3	3		2	1	14							11				2
Ph. sp.9																						9
Ph. sp.13		1	1	25			1	8	1				1		3	10	7					15
Ph. sp.14										18				4								
Ph. sp.15																				2		
Ph. sp.17		1																				
Ph. sp.18																						
Ph. sp.19																						
Ph. sp.20		7						8						34								
Ph. sp.21												2										
Ph. sp.25											11									4		
Ph. sp.26																						
Quad. sp.4				7																		
Solenopsis sp.1	3	3		1		1	4	3	17	14					1				4		1	2
Sol. sp.2	1	1		1		2	1	2	3		2			1			3	3				
Sol. sp.4				1																		
T. lanuginosum						3			9							4						
T. similimum*																						
T. (striolatum) sp.1	6	7		13		10	7	1	14	4	10	2	3	6	7	13	1	18	5	16	9	8
T. (striolatum) sp.2	1	3		2				2	1		1				9				5			
T. (spininode) sp.5		4									24								14		4	11
DOLICHODERINAE																						
Bothriomyrmex sp.1																						
I. ruficinctus																						
I. sanguineus	39	15	29	20	122	28	128	115	15	87	145	181	85	26	149		44	37	153	109		
I. (anceps) sp.1	21	4	28		19	9	5		12	15	87	3	1	26			29		3	1	31	72
Irid. sp.2		31		36		9	9	10			1	1	40	108	30	11	5		21	22	52	9
Irid. sp.3																			33			
I. (bicknell) sp.8									7	16			4						10			
Irid. sp.9																			10			
Irid. sp.11																			10	9		
I. (hartmeyer) sp.12		5		7				12			4		6	1					1			3
I. (pallidus) sp.14	30	80	3	26	10	24	27	28	36	16	81	5	30	103	36	4	43	9	20		147	34
Irid. sp.16																						
Irid. sp.17	1										4		1						2			
Irid. sp.18																						
Irid. sp.20															1							

Appendix 1 (cont'd)

	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	W1	W2	W3	W4	W5	W6	W7	TOTAL
PONERINAE																		
<i>Anochetus rectangularis</i>				1				1			2	1		2				13
<i>A. sp. nr. armstrongi</i>																		1
<i>Anochetus sp. 1</i>					1													1
<i>Cerapachys sp. 3</i>																		3
<i>Cer. sp. 4</i>					4			2										14
<i>Cer. sp. 7</i>							1	3										6
<i>C. (sp. nr. clarki) sp. 8</i>																		1
<i>Discothyrea sp. 1</i>											1		+	2				3
<i>Hypoponera sp. 1</i>		+									1							1
<i>Leptogenys exigua</i>			1				3											9
<i>Lept sp. 2</i>																		1
<i>Odontomachus turneri</i>																		22
<i>O. nr. turneri</i>				3		5		18			6	6	28	22	6			144
<i>O. (ruficeps) sp.</i>																		2
<i>Bothroponea sp. 3</i>																		2
<i>Both. sp. 6</i>																		3
<i>Both. sp. 7</i>										1								1
<i>Platythyrea parva</i>																		1
<i>Rhytidoponera aurata</i>			6															220
<i>R. borealis</i>			9		7													60
<i>R. reticulata</i>	53	13	4	18	3	5	7	13	20	27	9				13	32	15	450
<i>R. trachypyx</i>			3	1		13	27	15	1									196
<i>R. (aurata) sp. 1</i>																		23
<i>R. (aurata) sp. 2</i>																		2
<i>R. (aurata) sp. 10</i>																		9
<i>R. nr. rufithorax</i>																		2
<i>R. (reticulata) sp. 7</i>																		25
<i>R. (tenuis) sp. 9</i>				4	11	20	2	5										121
<i>R. (turneri) sp. 3</i>																		27
<i>R. (tylosys) sp. 8</i>																		14
<i>R. (tylosys) sp. 11</i>																		4
<i>Sphinctomyrmex sp. 2</i>																		1
<i>Sphinctomyrmex sp. 3</i>																		2
DORYLINAE																		
<i>Aenictus (ceylonicus group) sp. 2</i>																		1
MYRMICINAE																		
<i>Cardiocondyla ?nuda</i>						1	1			1			1	1	2			36
<i>Crematogaster sp. 1</i>	2		3				1	1	7									44
<i>Crem. sp. 2</i>		1		2									4					26
<i>Gnamptomyrmex sp. 2</i>			1		2		4											8
<i>Meranopius (diversus) sp. 1</i>									1									25
<i>M. (diversus) sp. 2</i>																		3
<i>M. (diversus) sp. 3</i>									4									4
<i>M. minimus</i>			2		3													15
<i>M. (mjobergi) sp. 4</i>			8															37
<i>M. (mjobergi) sp. 6</i>					5				4									16
<i>Mer sp. 6</i>																		9
<i>Mer. sp. 8</i>				17														28
<i>Mer. sp. 10</i>																		4
<i>Mer. sp. 14</i>																		22
<i>Mer. sp. 15</i>																		5
<i>Mer. sp. 16</i>																		3
<i>Mer. sp. 17</i>																		2

Appendix 1 (cont'd)

	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	W1	W2	W3	W4	W5	W6	W7	TOTAL
Monomorium (rothsteini) sp.1		5	6	13						26								150
M. (Chelamer) sp.5	5	2							3	1								15
M. (Chelamer) sp.6									5	1								63
M. (Chelamer) sp.7					2													42
Mon. sp.8		1	10	25	3	2	1			5				1				112
Mon. sp.9																		6
Mon. sp.11							16	14	1	10								517
Mon. sp.13					1													11
Mon. sp.14			59	6	15		3		11									381
Mon. sp.17			3	25	8	1	3	9	53			7		4				221
Mon. sp.18	86	30	5							63								228
Mon. sp.21	4	10	15	18	69	1	6	2	13	12	23	3	3	18	19			661
Mon. sp.22																		1
Mon. sp.23			14															29
Mon. sp.24	31	9	9	6	24	27	25	31	19	7	95	31	66	88	25	1		722
Mon. sp.26																		18
Mon. sp.27																		82
Mon. sp.28			1															8
Mon. sp.29		2																3
Mon. sp.30	1																	1
Mon. sp.31																		1
Oligomyrmex sp.1																		3
Phidole sp.1	3						3											42
Ph. sp.3						1	3	7			43	5	28	8	6			140
Ph. sp.5	26			5	3	2	1	2	8									96
Ph. sp.7																		4
Ph. sp.8			4	10	8													58
Ph. sp.9																		23
Ph. sp.13		7	3	9	4			1	3	1								101
Ph. sp.14	1	4						1										28
Ph. sp.15																		2
Ph. sp.17																		1
Ph. sp.18	1								2									1
Ph. sp.19																		2
Ph. sp.20	9	1																25
Ph. sp.21																		36
Ph. sp.25								2										6
Ph. sp.26																		11
Quad. sp.4																		
Solenopsis sp.1	1	4	3	7		1		1										78
Sol. sp.2		3	+		6	+		8			3		5	6				51
Sol. sp.4																		1
T. lanuginosum					4		2				22	1	8	3	22			78
T. similis							1											1
T. (striolatum) sp.1	5		2	6	11	9			8	1								202
T. (striolatum) sp.2										5								29
T. (spininode) sp.5				1														58
DOLICHODERINAE							1											1
Bothriomyrmex sp.1																		1
I. rufocinctus								1										
I. sanguineus	11	70	53	103	88	101	102	123	71	68	6	87		1		26	32	2,465
I. (anceps) sp.1	2		1	1	9	42	45	45	5		10	6	8	5	2	3	2	534
Irid. sp.2	49		6		12	6	1							2	37	41	17	567
Irid. sp.3		55		13					13	18								132
I. (bicknelli) sp.8		9		11														57
Irid. sp.9																		46
Irid. sp.11																		1
I. (harmsi) sp.12	2	21	1		4	3			9	9							1	94
I. (pallidus) sp.14	16	44	117	40	4	45	57		3			3	1	1		1		1,119
Irid. sp.16																		6
Irid. sp.17																		2
Irid. sp.18																		1
Irid. sp.20									14									14

Appendix 1 (cont'd)

	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	W1	W2	W3	W4	W5	W6	W7	TOTAL
Ochetellus sp.2			1															1
Papyrius sp.1																		13
Tapinoma melanocephalum*					4													4
Tapinoma sp.1	4	3	1	1		2		1			7	1	6	7				39
Tap. sp.2							2								9			25
Tap. sp.3																		3
FORMICINAE																		
Camponotus (nigroaeneus gp.) sp.4			3		1	1	1											11
Camp. sp. 8																		1
C. (discolor gp.) sp.8			2		2			1										37
C. (variegatus gp.) sp.9								2			2	5	1	3	1			31
C. (variegatus gp.) sp.11																		10
C. (variegatus gp.) sp.12									1									7
C. (variegatus gp.) sp.13				3	4	1		5			4			1				26
C. (variegatus gp.) sp.14			4		1		1							1		1		27
C. (?sphaerum gp.) sp.15																		3
C. (rubiginosus gp.) sp.17																		2
Camp. sp.18																		1
Melophorus (aeneovirens gp.) sp.1	11	2	10	5	2				3									281
M. (aeneovirens gp.) sp.2				3														62
M. (aeneovirens gp.) sp.4				1														22
Mel. sp.5	17	6		3	1				6									171
Mel. sp.6			2	2	7													153
Mel. sp.9	33	2	3	5	4			3	11									186
Mel. sp.10			12	7	4	6	9	3										576
Mel. sp.11	21	9		23	1	1			20	1								285
Mel. sp.12																		5
Mel. sp.13		12	17		15													103
Mel. sp.15																		4
Mel. sp.16				1														166
Mel. sp.17																		7
Mel. sp.18																		1
Mel. sp.20																		89
Oecophylla smaragdina				4	9								1	3	9			104
Opisthopsis haddoni			1	1		1		1			1			1				47
Paratrechina longicornis*					13		2				7	1	24	15	77	28	20	237
P. (obscura gp.) sp.3							1				8		13			1		23
P. (vaga gp.) sp.4				2		2		3					1	10	7	1		72
P. (vaga gp.) sp.7																		7
P. (minutula gp.) sp.1			5		2										1		1	13
P. (minutula gp.) sp.2	7			6					13									148
P. (minutula gp.) sp.6																		88
Polyrhachis gab																		5
P. inconspicua					1													3
P. pseudothrinax																		1
P. (Hagiomyrma) sp.2																		1
P. (Hagiomyrma) sp.3			3		1	2	2											35
P. (gab gp.) sp.16							2											2
P. (gab gp.) sp.17			5			8		1						1				32
Stigmatopora (Stigmatopora) sp.2																		1
Stigmatopora (Camptostigmatopora) sp.4			2															2
Total abundance	405	325	420	412	383	309	336	321	334	257	250	157	196	206	236	135	88	14,241
Number of species	26	26	43	39	43	28	32	30	30	18	18	13	17	24	15	10	7	162

Appendix 2 Abundances of ant genera in pitfall traps (genus—abundance data)

	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	N21	N22
Anochetus		1							1			1				3	1					
Bothroponera						1							1					3				
Discothyrea																						
Hypoponera											1			3					2			
Leptogenys																						
Odontomachus	3		19		19					10	1	2						22				
Platythyrea																	1					
Rhytidoponera	19	36	31	53	6	25	11	19	17	88	42	79	63	34	14	37	27	45	43	32	20	56
Cerapachys			1		1		1	2	3	1								5				
Sphinctromyrmex								2				1										
Aenictus				1																		
Cardiocondyla	2		4		21	1									1							
Crematogaster	3	6	17		1			2	6	1			3	6		2			1		1	
Gnamptomyrmex																						
Meranoplus	5	9		6		9	4	7	27	2	15				1		6		19	8	3	8
Monomorium	29	67	7	84	20	45	14	99	89	29	142	163	192	184	62	67	89	111	185	61	65	213
Oligomyrmex						2										1						
Pheidole	6	16	3	37		3	4	17	6	23	25	11	16	58	3	10	19	15	44	2	1	32
Solenopsis	4	4		9	1	2	2	6	6	17	16			1	1		3	3	4		1	2
Tetramorium	7	14		15		13	7	3	24	4	35	2	3	6	16	17	1	18	24	16	13	19
Bothriomyrmex																						
Iridomyrmex	91	135	80	89	151	70	169	165	70	134	302	191	167	269	216	15	121	73	253	135	230	118
Ochetellus																						
Papyrius														13								
Tapinoma		1	9		1	1				4	3	2					1			1		
Camponotus	9	4	6	4	5		4	6	2	7	13	5		3	6	3	2	1		22	2	
Melophorus	22	71	2	143		5	19	91	68	70	241	105	157	108	72	50	54	19	133	36	210	131
Oecophylla	12			8					8		2				1	6	4		11		20	6
Opisthopsis	5	1		4		1		2	5	3	5	1	1	3		3	2		3		1	1
Paratrechina	11	6	1	27	30	3		9	6	17	55			2	4	1		42	20	2	19	62
Polyrhachis	1	3			1	19	2	3	4		5				2	1	6	5		1		
Stigmatopora																1						
Total abundance	229	374	160	480	257	200	237	433	342	410	903	563	603	690	399	217	338	362	722	316	596	648

Appendix 2 (cont'd)

	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	W1	W2	W3	W4	W5	W6	W7	TOTAL
Anochetus	.	.	.	1	1	.	.	1	.	.	2	1	.	2	.	.	.	15
Bothroponea	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	6
Discothyrea	.	.	.	.	.	.	.	.	.	.	1	.	.	2	.	.	.	3
Hypoponera	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	1
Lepogenys	.	.	1	.	.	.	3	.	.	.	.	.	.	.	.	.	.	10
Odontomachus	.	.	.	3	.	5	.	16	.	.	6	6	28	22	6	.	.	169
Platythyrea	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
Rhytidoponera	53	13	22	23	21	38	36	33	21	27	9	.	.	.	13	32	15	1,153
Cerapachys	.	.	.	.	4	.	1	5	.	.	.	.	.	.	.	.	.	24
Sphinctomyrmex	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3
Aenictus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
Cardiocondyla	.	.	.	.	.	1	1	.	.	1	.	.	1	1	2	.	.	36
Crematogaster	2	1	3	2	.	.	1	1	7	.	.	.	4	.	.	.	.	70
Gnamptomyrmex	.	.	1	.	2	.	4	.	.	.	.	.	.	.	.	.	.	8
Meranoplus	.	.	10	17	8	.	.	.	9	.	.	.	.	.	.	.	.	173
Monomorium	131	59	122	93	122	31	54	56	105	125	118	41	69	111	44	1	0	3,279
Oligomyrmex	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3
Pheidole	40	12	7	24	15	3	7	11	15	1	43	5	28	8	6	.	.	576
Solenopsis	1	7	3	7	6	1	.	9	.	.	3	.	5	6	.	.	.	130
Tetramorium	5	.	2	7	15	9	3	.	8	6	22	1	8	3	22	.	.	368
Bothriomyrmex	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	1
Iridomyrmex	80	199	178	168	117	197	205	169	115	95	16	96	9	9	39	71	52	5,039
Ochetellus	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
Papyrius	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	13
Tapinoma	4	3	1	1	4	2	2	1	.	.	7	1	6	7	9	.	.	71
Camponotus	.	.	9	3	8	2	2	8	1	.	6	5	1	5	1	1	.	156
Melophorus	82	31	44	50	34	7	9	6	40	1	.	.	.	.	.	.	.	2,111
Oecophylla	.	.	.	4	9	.	.	.	.	.	.	.	1	3	9	.	.	104
Opisthopsis	.	.	1	1	.	1	.	1	.	.	1	.	.	1	.	.	.	47
Paratrechina	7	.	5	8	15	2	3	3	13	.	15	1	38	25	85	30	21	588
Polyrhachis	.	.	8	.	2	10	4	1	.	.	.	.	.	1	.	.	.	79
Stigmatopora	.	.	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	3
Total abundance	405	325	420	412	383	309	336	321	334	257	250	157	198	206	236	135	88	14,241

Appendix 3 Numbers of ant species per genus in pitfall traps (genus—species data)

	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	N21	N22
Anochetus		1							1			1				1	1					
Bothroponea						1							1					1				
Discothyrea																						
Hypoponera											1			2					1			
Leptogenys										1	1	2						1				
Odontomachus	1		1																			
Platythyrea																	1					
Rhytidoponera	2	3	1	5	1	5	3	2	4	4	5	3	3	3	5	2	4	6	3	1	3	3
Cerapachys			1		1		1	2	2	1								2				
Sphinctomyrmex								1				1										
Aenictus				1																		
Cardiocondyla	1		1		1	1									1							
Crematogaster	1	1	1		1			1	1	1			1	1		1			1		1	
Gnamptomyrmex																	1					
Meranoplus	3	2		2		3	2	3	2	2	5				1		3		3	2	1	2
Monomorium	3	9	2	7	4	7	6	7	6	2	8	3	5	6	7	11	6	6	9	6	6	9
Oligomyrmex						1										1						
Pheidole	1	5	2	3		1	2	3	3	3	2	2	2	4	1	1	2	2	3	1	1	4
Solenopsis	2	2		3	1	1	2	2	2	1	2			1	1		1	1	1		1	1
Tetramorium	2	3		2		2	1	2	3	1	3	1	1	1	2	3	1	1	3	1	2	2
Bothriomyrmex																						
Iridomyrmex	4	5	3	4	3	4	4	4	4	4	6	5	7	5	4	2	4	3	9	4	3	4
Ochetellus																						
Papyrius														1								
Tapinoma		1	1		1	1				1	1	1					1			1		
Camponotus	3	3	2	3	3		3	1	1	4	6	2		3	3	2	2	1		1	1	
Melophorus	4	5	1	6		3	4	8	4	3	6	4	6	6	6	3	4	5	7	1	7	4
Oecophylla	1			1					1		1				1	1	1		1		1	1
Opisthopsis	1	1		1		1		1	1	1	1	1	1	1		1	1		1		1	1
Paratrechina	2	2	1	3	2	1		1	2	2	1			1	1	1		4	1	1	1	1
Polymachis	1	2			1	2	2	1	3		2				2	1	2	2		1		
Stigmacros																1						
TOTAL	32	45	17	42	19	34	30	39	40	31	52	26	27	35	35	32	35	35	43	20	29	32

Appendix 3 (cont'd)

	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	W1	W2	W3	W4	W5	W6	W7	TOTAL
Anochetus	.	.	.	1	1	.	.	1	.	.	1	1	.	1	.	.	.	3
Bothroponera	.	.	.	.	.	.	.	.	.	1	.	.	.	1	.	.	.	3
Discothyrea	.	.	.	.	.	.	.	.	.	.	1	.	.	1	.	.	.	1
Hypoponera	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	1
Leptogenys	.	.	1	.	.	.	1	.	.	.	.	.	.	.	.	.	.	2
Odontomachus	.	.	.	1	.	1	.	1	.	.	1	1	1	1	1	.	.	3
Platythyrea	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
Rhytidoponera	1	1	4	3	3	3	3	3	2	1	1	.	.	.	1	1	1	13
Cerapachys	.	.	.	.	1	.	1	2	.	.	.	.	.	.	.	.	.	4
Sphinctomyrmex	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2
Aenictus	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
Cardiocondyla	.	.	.	.	.	1	1	.	.	1	.	.	1	1	1	.	.	1
Crematogaster	1	1	1	1	.	.	1	1	1	.	.	.	1	.	.	.	.	2
Gnamptomyrmex	.	.	1	.	1	.	1	.	.	.	.	.	.	.	.	.	.	1
Meranoplus	.	.	2	1	2	.	.	.	3	.	.	.	.	.	.	.	.	13
Monomorium	6	7	9	6	7	4	6	4	7	8	2	3	2	4	2	1	.	21
Oligomyrmex	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
Pheidole	5	3	2	3	3	2	3	4	4	1	1	1	1	1	1	.	.	16
Solenopsis	1	2	2	1	1	2	.	2	.	.	1	.	2	1	.	.	.	3
Tetramorium	1	1	1	2	2	1	2	.	1	2	1	1	1	1	1	.	.	5
Bothriomyrmex	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	.	1
Iridomyrmex	5	5	5	5	5	5	4	3	6	3	2	3	2	4	2	4	4	14
Ochetellus	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
Papyrius	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1
Tapinoma	1	1	1	1	1	1	1	1	.	.	1	1	1	1	1	.	.	4
Camponotus	.	.	3	1	4	2	2	3	1	.	2	1	1	3	1	1	.	11
Melophorus	4	5	5	9	7	2	1	2	4	1	.	.	.	.	.	.	.	15
Oecophylla	.	.	.	1	1	.	.	.	.	.	.	.	1	1	1	.	.	1
Opisthopsis	.	.	1	1	.	1	.	1	.	.	1	.	.	1	.	.	.	1
Paratrechina	1	.	1	2	2	1	2	1	1	.	2	1	3	2	3	3	2	7
Polyrhachis	.	.	2	.	2	2	2	1	.	.	.	.	.	1	.	.	.	7
Stigmatopoda	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2
TOTAL	26	27	43	39	43	28	32	30	30	18	18	13	19	24	15	10	7	163

Appendix 4 Abundance of ant functional groups in pitfall traps (functional group–abundance data). The two species of *Stigmacros* (Cold Climate Specialists) are not included.

	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	N21	N22
Dominant Dolichoderinae	91	135	60	89	151	70	169	165	70	134	302	191	167	282	216	15	121	73	253	135	230	118
Subordinant Camponotini	15	8	6	8	8	20	6	11	11	10	23	6	1	6	8	7	10	6	3	23	3	1
Hot climate specialists	27	80	2	149	0	14	23	98	95	72	256	105	157	108	73	50	64	19	228	44	213	168
Tropical climate specialists	13	6	0	8	0	1	3	5	10	0	10	0	20	20	6	21	4	0	11	1	30	10
Cryptic species	4	4	0	10	1	4	2	8	6	17	16	1	0	1	1	1	4	3	4	0	1	2
Opportunists	42	57	64	95	77	43	18	31	47	123	136	85	66	42	35	55	29	127	87	51	52	137
Generalized Myrmicinae	37	83	27	121	21	47	15	113	99	53	159	174	191	228	60	64	104	126	134	62	57	212
Specialist Predators	0	1	1	0	1	1	1	2	4	1	1	1	1	3	0	3	2	8	2	0	0	0
TOTAL	229	374	160	480	257	200	237	433	342	410	903	583	603	690	399	216	338	362	722	316	586	648

	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10		W1	W2	W3	W4	W5	W6	W7		TOTAL
Dominant Dolichoderinae	80	199	178	168	117	197	205	169	115	95		16	96	9	9	39	71	52		5,062
Subordinant Camponotini	0	0	18	4	10	13	6	10	1	0		7	5	1	7	1	1	0		282
Hot climate specialists	82	36	60	80	42	7	9	6	49	27		0	0	0	0	0	0	0		2,443
Tropical climate specialists	5	2	0	4	11	0	0	0	8	2		0	0	1	3	9	0	0		224
Cryptic species	1	7	4	7	8	1	5	9	0	0		5	0	5	8	0	0	0		150
Opportunists	69	16	31	42	55	57	45	53	42	34		58	9	81	58	137	62	36		2,385
Generalized Myrmicinae	168	65	126	106	135	34	62	68	119	98		161	46	101	119	50	1	0		3,646
Specialist Predators	0	0	1	1	5	0	4	6	0	1		2	1	0	2	0	0	0		56
TOTAL	405	325	418	412	383	309	336	321	334	257		250	157	198	206	236	135	88		14,238

Appendix 5 Number of ant species per functional group in pitfall traps (functional group–species data). The two species of *Stigmacros* (Cold Climate Specialists) are not included.

	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	N21	N22
Dominant Dolichoderinae	4	5	3	4	3	4	4	4	4	4	6	5	7	6	4	2	4	3	9	4	3	4
Subordinate Camponotini	5	6	2	4	4	3	5	3	5	5	9	3	1	4	5	4	5	3	1	2	2	1
Hot climate specialists	7	7	1	8	0	6	6	11	6	5	11	4	6	6	7	3	8	5	11	3	8	7
Tropical climate specialists	2	2	0	1	0	1	1	2	3	0	3	0	1	1	2	2	1	0	1	1	3	2
Cryptic species	2	2	0	4	1	2	2	3	2	1	2	1	0	1	1	1	2	1	1	0	1	1
Opportunists	8	9	5	10	5	10	4	5	9	9	11	7	4	5	9	6	6	12	7	4	6	6
Generalized Myrmicinae	4	13	5	10	5	7	7	9	8	6	8	5	7	10	7	12	7	8	12	6	6	11
Specialist Predators	0	1	1	0	1	1	1	2	3	1	1	1	1	2	0	1	2	3	1	0	0	0
TOTAL	32	45	17	41	19	34	30	39	40	31	51	26	27	35	35	31	35	35	43	20	29	32

	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	W1	W2	W3	W4	W5	W6	W7	TOTAL
Dominant Dolichoderinae	5	5	5	5	5	5	4	3	6	3	2	3	2	4	2	4	4	15
Subordinate Camponotini	0	0	6	2	6	5	4	5	1	0	3	1	1	5	1	1	0	19
Hot climate specialists	4	6	8	11	9	2	1	2	7	2	0	0	0	0	0	0	0	28
Tropical climate specialists	1	1	0	1	2	0	0	0	2	2	0	0	1	1	1	0	0	1
Cryptic species	1	2	2	1	2	1	2	2	0	0	3	0	1	2	0	0	0	11
Opportunists	4	3	8	9	8	8	9	6	4	4	6	4	7	6	8	4	3	34
Generalized Myrmicinae	11	9	11	9	9	6	10	9	10	6	3	4	4	5	3	1	0	39
Specialist Predators	0	0	1	1	2	0	2	3	0	1	1	1	0	1	0	0	0	13
TOTAL	26	26	41	39	43	27	32	30	30	18	18	13	16	24	15	10	7	160

Appendix 6 Ants recorded in sweep samples. Data for each site are pooled across sampling periods.

	N4	N6	N7	N8	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20
Ponerinae														
<i>Odontomachus</i> sp. nr <i>turneri</i>							1					2		
<i>Rhytidoponera aurata</i>					1		9		1			17		
<i>R. (tylosys</i> gp) sp. 8	1	3	1		1		3	5						
<i>R. (tylosys</i> gp) sp. 11						3	3							
Pseudomyrmecinae														
<i>Tetraponera punctulata</i>	1													
Myrmicinae														
<i>Crematogaster</i> sp. 1							2							
<i>Crematogaster</i> sp. 2			1											
<i>Crematogaster</i> sp. 5														
<i>Meranoplus</i> sp. 2					1									
<i>Meranoplus</i> sp. 16														1
<i>Monomorium</i> sp. 11														
<i>Monomorium</i> sp. 17					1									
<i>Monomorium</i> sp. 18								1						
<i>Pheidole</i> sp. 21				1										
<i>Tetramorium bicarinatum</i>														
Dolichoderinae														
<i>Iridomyrmex rufoinclinus</i>	6		5	1	1	2	2		2		6		9	25
<i>I. sanguineus</i>					5		2				2			
<i>I. (anceps</i> gp) sp. 1									3		1			
<i>I. (anceps</i> gp) sp. 2												4		5
<i>I. (anceps</i> gp) sp. 9	1					5	3	6						
<i>I. (anceps</i> gp) sp. 11							1	1						
<i>I. (pallidus</i> gp) sp. 14												24		
<i>Ochetellus</i> sp. 2														
Formicinae														
<i>Camponotus</i> sp. 4	1	1	6						4					
<i>C. (variegatus</i> gp) sp. 9		4												
<i>C. (variegatus</i> gp) sp. 13	4													
<i>C. (rubiginosus</i> gp) sp. 17								1						
<i>Camponotus</i> sp. 18	1													
<i>Melophorus</i> sp. 1	5	4								4	1			
<i>Oecophylla smaragdina</i>	17	1	10	4	3	7	16	7	17	20	7	2	14	
<i>Opisthopsis haddoni</i>							1							
<i>Paratrechina longicornis</i>												1		
<i>Plagiolepis</i> sp. 1											7			
<i>Polyrhachis gab</i>	1		1		1									
<i>P. inconspicua</i>													1	
<i>P. schenkii</i>										3		2		
<i>P. (ammon</i> gp) sp. 2		4		1	8				3		1	1		
<i>P. (ammon</i> gp) sp. 3														
<i>P. (obtus</i> gp) sp. 9		7	9		3		1		11		6			
<i>P. (gab</i> gp) sp. 17														
TOTAL	38	25	32	7	25	17	41	21	41	27	31	54	23	31
NO. SPECIES	10	8	6	4	10	4	11	6	7	3	8	9	2	3

Appendix 6 (cont'd)

	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10
Ponerinae										
<i>Odontomachus</i> sp. nr <i>turneri</i>										
<i>Rhytidoponera aurata</i>										
<i>R. (tyloxys</i> gp) sp. 8										
<i>R. (tyloxys</i> gp) sp. 11										
Pseudomyrmecinae										
<i>Tetraponera punctulata</i>										
Myrmicinae										
<i>Crematogaster</i> sp. 1										
<i>Crematogaster</i> sp. 2										
<i>Crematogaster</i> sp. 5			1							
<i>Meranoplus</i> sp. 2		1								
<i>Meranoplus</i> sp. 16										
<i>Monomorium</i> sp. 11										
<i>Monomorium</i> sp. 17									1	
<i>Monomorium</i> sp. 18										
<i>Pheidole</i> sp. 21										
<i>Tetramorium bicarinatum</i>										
Dolichoderinae										
<i>Iridomyrmex rufoinclinus</i>		1								
<i>I. sanguineus</i>		2	2	1	1	1	7	1	2	12
<i>I. (anceps</i> gp) sp. 1							3	8		
<i>I. (anceps</i> gp) sp. 2										
<i>I. (anceps</i> gp) sp. 9										
<i>I. (anceps</i> gp) sp. 11										
<i>I. (pallidus</i> gp) sp. 14						3	1			
<i>Ochetellus</i> sp. 2										
Formicinae										
<i>Camponotus</i> sp. 4			6		3		2			
<i>C. (variegatus</i> gp) sp. 9					1					
<i>C. (variegatus</i> gp) sp. 13										
<i>C. (rubiginosus</i> gp) sp. 17										
<i>Camponotus</i> sp. 18										
<i>Melophorus</i> sp. 1									1	
<i>Oecophylla smaragdina</i>		4	5	2	4	2	4	5		
<i>Opisthopsis haddoni</i>					2					
<i>Paratrechina longicornis</i>										
<i>Plagiolepis</i> sp. 1										
<i>Polyrhachis gab</i>										
<i>P. inconspicua</i>										
<i>P. schenkii</i>										
<i>P. (ammon</i> gp) sp. 2					4	1				
<i>P. (ammon</i> gp) sp. 3										
<i>P. (obtusa</i> gp) sp. 9	1		10		8	2		1		
<i>P. (gab</i> gp) sp. 17										
TOTAL	1	8	24	3	23	9	17	16	2	13
NO. SPECIES	1	4	5	2	7	5	5	5	1	2

Appendix 6 (cont'd)

	W1	W2	W3	W4	W5	W6	W7	TOTAL N	TOTAL D	TOTAL W	GRAND TOTAL
Ponerinae											
<i>Odontomachus</i> sp. nr								2			2
<i>turneri</i>								1			1
<i>Rhytidoponera aurata</i>								33			33
<i>R. (tyloxys</i> gp) sp. 8								11			11
<i>R. (tyloxys</i> gp) sp. 11											
Pseudomyrmecinae											
<i>Tetraponera punctulata</i>								1			1
Myrmicinae											
<i>Crematogaster</i> sp. 1				1				2		1	2
<i>Crematogaster</i> sp. 2								1	1		2
<i>Crematogaster</i> sp. 5									1		1
<i>Meranoplus</i> sp. 2								1			1
<i>Meranoplus</i> sp. 16								1			1
<i>Monomorium</i> sp. 11									1		1
<i>Monomorium</i> sp. 17								1			1
<i>Monomorium</i> sp. 18								1			1
<i>Pheidole</i> sp. 21								1			1
<i>Tetramorium bicarinatum</i>											
Dolichoderinae											
<i>Indormymex rufocinctus</i>								1	1		2
<i>I. sanguineus</i>	3						1	59	29		88
<i>I. (anceps</i> gp) sp. 1								9	11	4	24
<i>I. (anceps</i> gp) sp. 2								4			4
<i>I. (anceps</i> gp) sp. 9								9			9
<i>I. (anceps</i> gp) sp. 11				3				15			15
<i>I. (pallidus</i> gp) sp. 14								2	4	3	9
<i>Ochetellus</i> sp. 2								24			24
Formicinae											
<i>Camponotus</i> sp. 4	7	1	8	6				12	11		23
<i>C. (variegatus</i> gp) sp. 9	6							4	1	22	29
<i>C. (variegatus</i> gp) sp. 13										6	6
<i>C. (rubiginosus</i> gp) sp. 17								4			4
<i>Camponotus</i> sp. 18								1			1
<i>Melophorus</i> sp. 1	1	1	10	6	21			1			1
<i>Oecophylla smaragdina</i>			1	6	1			14	1	39	54
<i>Opisthopsis haddoni</i>			2					125	26	7	158
<i>Paratrechina longicornis</i>								1	2	3	6
<i>Plagiolepis</i> sp. 1								1			1
<i>Polyrhachis gab</i>								7			7
<i>P. inconspicua</i>								3			3
<i>P. schenkii</i>								1			1
<i>P. (ammon</i> gp) sp. 2				1				5		1	5
<i>P. (ammon</i> gp) sp. 3	1	1	2	2				18	5	6	24
<i>P. (obtusa</i> gp) sp. 9		3						37	22	3	62
<i>P. (gab</i> gp) sp. 17											
	18	6	23	25	22	0	1	413	116	95	624
TOTAL	5	4	5	7	2	0	1	35	15	11	40
NO. SPECIES											

Appendix 7 Beetles collected in Wet season sweep samples (pooled 1993 and 1994 data)

	N4	N6	N7	N8	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	W1	W2	W3	W4	W5	W6	W7	TOTAL N	TOTAL D	TOTAL W	GRAND TOTAL
ADERIDAE																																			
sp A																																			
ALLECULIDAE																																			
sp A																																			
sp B																																			
ANTHRIDIDAE																																			
sp A																																			
sp B																																			
SUPRESTIDAE																																			
sp A																																			
sp B																																			
sp C																																			
BRENTIDAE																																			
sp A																																			
sp B																																			
sp C																																			
sp E																																			
CARABIDAE																																			
Condelina sp A																																			
CERAMBYCIDAE																																			
sp A																																			
sp B																																			
CHRYSOMELIDAE																																			
Eumolpinae																																			
Eumolpinae sp D																																			
Eumolpinae sp F																																			
Eboe sp																																			
Agathis sp A																																			
Agathis sp B																																			
Agathis sp C																																			
Agathis sp D																																			
Scolodonta sp																																			
Geloptera sp																																			
Geloptera sp E																																			
Rhyssalus sp A																																			
Rhyssalus sp B																																			
Rhyssalus sp C																																			
Rhyssalus sp D																																			
Rhyssalus sp E																																			
Rhyssalus sp F																																			
Rhyssalus sp G																																			
Rhyssalus sp H																																			
Rhyssalus sp I																																			
sp A																																			
sp C																																			

continued

Appendix 7 (cont'd)

	N4	N6	N7	N8	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	W1	W2	W3	W4	W5	W6	W7	TOTAL N	TOTAL D	TOTAL W	GRAND TOTAL	
Hapinae																																				
Europe sp												6																					6		6	
Hapetus sp					1		1						1					2	3			3		1		3							3	9	3	15
Hapinae sp A		2																															2		2	
Hapinae sp E											1																						1		1	
Alcinae																																				
Araspa sp															1																			1	1	
Alcinae sp A												1																					1		1	
Alcinae sp B																				1						1								1	1	
Alcinae sp C																	1								1	1							1	2	3	
Alcinae sp D							1																										1		1	
Cyninae																																				
Drepanus sp A	1			6						1									1							2			4				10	1	6	17
Drepanus sp B				2				2	2				11				2	2															17	4	21	
Drepanus sp C		1			2						1		1																2				5		2	7
Drepanus sp D										1									1														1	1	2	
Drepanus sp E						25	17	9																3									51	3	54	
Dacnusa																																				
sp A																								1									1		1	
sp B																										1	1	1							3	3
sp D			2								1		1		18			1		2	2			18		29	1	2		3			4	40	29	73
sp E		1	1		1					4	7	5	2		3			1								14				1			24	1	15	40
sp F										1																								1		1
sp G													5	1																				6		6
sp H					4																													4		4
sp I		2																										1						2		3
sp J									9		2																							11		11
sp K																	1																	1		1
sp L																								1										1		1
sp M												1																						1		1
sp N																																				
sp O																											1							1		1
sp P																												1								1
sp Q																														1					1	1
sp S																																				
sp R																																				
Manduca sp.																																				
Chrysomelinae																																				
Chrysomelinae sp K				1																														1		1
Chrysomelinae sp L				1																														1		1
Calamita sp																																				
sp A																																				
sp B																																				
sp C										1																										
sp D										1																										
sp E																																				
sp F																																				
sp G																																				
sp J																																				
sp K																																				

continued

continued

Appendix 7 (cont'd)

	N4	N5	N7	N8	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	W1	W2	W3	W4	W5	W6	W7	TOTAL N	TOTAL D	TOTAL W	GRAND TOTAL		
LAMPYRIDAE																																					
sp A		1																																1		1	
LYCIDAE																																					
sp A												1																						1		1	
sp B																					1					1	1	1						1	3	4	
MELOIDAE																								1													
sp A																																			1		1
MELYRIDAE																																					
Malachinae																																					
sp A						1																												1		1	
sp B								1	1																									2		2	
RHIPHORIDAE																																					
sp A			1	3	3													1															7	4		11	
sp B											1											1												1	1	2	
sp C			1																																1		1
sp D			8	2															1															10	1	11	
sp E																													1					1	2	1	
sp F			1																																1		1
sp G				4																														4	1	1	
sp H																																			1	3	3
sp I										1																								1	1	2	2
sp J																																				2	2
SCAPHIDIDAE																																					
sp A																				1								1						1	1	2	
SCIRTIDAE																																					
sp A																																				2	2
sp B																																			2	2	4
sp C																																			1		1
SILVANDIDAE																																					
sp A			1																																1		1
NO BEETLES	26	77	47	41	40	35	29	27	89	25	33	18	54	42	28	3	43	19	25	11	11	27	34	28	49	49	15	27	8	4	1	583	229	153	965		
NO SPECIES	10	24	21	14	16	7	5	12	29	5	17	13	13	13	10	2	20	12	14	9	8	13	7	6	15	17	11	12	7	2	1	100	65	45	147		

Appendix 8 Grasshoppers collected during February 1993. Unidentified species have been assigned ANIC code numbers. Data are abundances scored according to a five-point scale (see section 5.1.1 in text).

	Natural sites										Disturbed sites						
	N4	N6	N7	N8	N15	N16	N17	N18	N19	N20	D1	D2	D3	D4	D5	D6	D7
ACRIDIDAE																	
Acridinae																	
<i>Acrida conica</i>																2	1
<i>Aiolopus thalassinus</i>																1	
<i>Caledia capiva</i>									1					1			
<i>Froggattina australis</i>																	3
<i>Gastromargus muscivorus</i>												3	1				4
<i>Heteropternis obscurilla</i>											1	3				1	
<i>Locusta migratoria</i>																	
<i>Pycnoctictus variatus</i>	1															1	1
Catantopinae																	
<i>Adelpha erythroptera</i>				3	1					1	1			2			
<i>Aretza sp. 1</i>	2				1				2								
<i>Aretza sp.</i>								2									
<i>Caloptilia australis</i>	2	3	3	3	4		3	1	3	4	3	2		3	2	1	
<i>Coryphistes sp. 4</i>																	
<i>Cuspidella flavocarinata</i>	1			3	2	1	3			3	3		1	1	3	1	
<i>Erythropomela aeneana</i>																	
<i>Goniessa furcillera</i>	3	3		1		2						2	1		3	1	
<i>G. vocans</i>	5	4	3	3	3	1	3	3	3	1	1		1	2	4	1	
<i>Goniessoides sp. 3</i>		3	2	3	1		1						1	2		1	
<i>Haemaphysalis pallida</i>								3		5							
<i>Macrazelota sp. 3</i>										1							
<i>Macrocaris conglobata</i>				2			1					1					
<i>Macrocaris sp. 1</i>		1										2		3			
<i>Macrocaris sp. 17</i>				3					2								
<i>Rectitropia australis</i>	1					1									3		
<i>Stenocantantopis augustinus</i>			1														
<i>S. vitripennis</i>			1	4	3		3		3	1	3	2			1	3	2
<i>Xantopoda mediocrista</i>	1	4	3	4	4	2	4	3	2	1					3	1	1
<i>Xylocopa sp. 1</i>				3	1				3								
<i>Zabrachia flavonigra</i>		3		4		3		4		3	1	4		2			
Gen. nov. 61, sp. 2	3	2		1			1				1	1					
Gen. nov. 70, sp. 1.	4	2		3			3		3		2	1		4			
Gen. nov. 98 sp. 1.																	2
Gen. nov. 105, sp. 1	1			1				1	4								
Cyrtacanthacridinae																	
<i>Nomadacris basalis</i>																1	
<i>N. guttulosa</i>																	
<i>Valanga irregularis</i>																	
<i>V. melsageri</i>																	
Oxyinae																	
<i>Bermiella acuta</i>																	
<i>Daperia accola</i>																	
<i>Tolgaia infirma</i>	2	1	4		1	3	2	1		2			1	3		2	
EUMASTACIDAE																	
<i>Geckomima sp.</i>						1											
<i>Kakadu sp. 1</i>							1			3							
<i>Kakadu sp. 2</i>				2			1		4		1						
<i>Kakadu sp. 4</i>															1		
<i>Kakadu sp. 9</i>													1				
<i>Kakadu sp. 10</i>																	
unidentified																	
PYRGOMORPHIDAE																	
<i>Attractomorpha similis</i>																1	
TETRIDIDAE																	
<i>Kakadu sp. 3</i>										1							
TETTIGONIDAE																	
Conocephalinae																	
<i>Conocephalus Kakadu sp. 2</i>				1													
<i>Conocephalus Kakadu sp. 4</i>				2													
Deciclineae																	
<i>Chlorobolus sp.</i>																	
Litrocelinae																	
Gen. nov. 12	1																
Meconemilinae																	
Gen. M.E.1		1		1			1										
Phaneropterinae																	
<i>Casidica Kakadu sp. 5</i>				2				1									
<i>Casidica Kakadu sp. 7</i>					3												
<i>Casidica Kakadu sp. 9</i>										1							
<i>Polichne parvicauda</i>	1						1										
<i>Polichne sp. 6</i>										1							
unidentified	1	1							3	1		1			2		
TOTAL																	
NO. SPECIES	29	26	17	49	24	14	26	19	33	29	20	21	5	23	22	18	14
	14	11	7	20	11	8	14	9	11	14	11	11	5	10	8	14	7

continued

Appendix 8 (cont'd)

	Waste Rock sites										Totals			TOTAL
	D8	D9	D10	W1	W2	W3	W4	W5	W6	W7	N	D	W	
ACRIDIDAE														
Acridinae														
<i>Acrida conica</i>		2	1		4	2	3		3			6	12	18
<i>Aclopus thelaxinus</i>					2							1	2	3
<i>Caledia capiva</i>				1							1	1	1	3
<i>Froggattina australis</i>					3			1				3	4	7
<i>Gastromargus musicus</i>	1		2						1	1		11	2	13
<i>Heteropternis obscurula</i>		2	1		3				1			8	4	12
<i>Locusta migratoria</i>								1					1	1
<i>Pycnostictus senatus</i>											1	2		3
Catantopinae														
<i>Adiappa erythroptera</i>											5	3		8
<i>Aretze sp. 1</i>											5			5
<i>Aretze sp.</i>											2			2
<i>Caloptilia australis</i>		3	4		2	1	2	1	1		28	18	7	51
<i>Coryphistes sp. 4</i>	1					1	2					1	3	4
<i>Curpilledia flavocarinata</i>	1	2	1	1			3	2	1		13	13	7	33
<i>Erythropomela amena</i>		1				1						1	1	2
<i>Goniessa furcifera</i>	1						3	1			9	8	4	21
<i>G. vocans</i>		1					1				29	10	1	40
<i>Goniessoides sp. 3</i>			1		1	1	3				10	5	5	20
<i>Hepperana pallide</i>											8			8
<i>Macrazelota sp. 3</i>			3								1	4		5
<i>Macrocaran conglobata</i>											3	5		8
<i>Macrocaran sp. 1</i>											1			1
<i>Macrotona sp. 17</i>		1									5	1		6
<i>Rectitropis australis</i>				3		1	1				2	3	5	10
<i>Stenocatantops augustinifrons</i>											1			1
<i>S. vitripennis</i>	2			1	1		4	3	3		15	13	12	40
<i>Xantemaria mediocris</i>	2	2	4	2		1	3	4	2		28	13	12	53
<i>Xypechis sp. 1</i>		1	4					1	2		7	12	3	22
<i>Zabratula flavonigra</i>											17			17
Gen. nov. 61, sp. 2			1								7	3		10
Gen. nov. 70, sp. 1.							1				15	7	1	23
Gen. nov. 98 sp. 1.												2		2
Gen. nov. 105, sp. 1											7			7
Cyrtacanthacridinae														
<i>Nomedacris basalis</i>						4	2					1	6	7
<i>N. guttulosa</i>						2	3						5	5
<i>Valanga irregularis</i>					3								3	3
<i>V. malsager</i>						1							1	1
Oxyinae														
<i>Bermiella acuta</i>					4	4	2						10	10
<i>Daperia accola</i>					1	2						2	3	5
<i>Talgadia infirma</i>		1	2								18	7		23
EUMASTACIDAE														
<i>Geckomima sp.</i>								1			1		1	2
<i>Kakadu sp. 1</i>									1		4		1	5
<i>Kakadu sp. 2</i>											7	1		8
<i>Kakadu sp. 4</i>												1		1
<i>Kakadu sp. 9</i>												1		1
<i>Kakadu sp. 10</i>			3									3		3
unidentified		1			4							1	4	5
PYRGOMORPHIDAE														
<i>Attractomorpha similis</i>												1		1
TETRIGIDAE														
<i>Kakadu sp. 3</i>											1			1
TETTIGONIIDAE														
Conocephalinae														
<i>Conocephalus Kakadu sp. 2</i>											1			1
<i>Conocephalus Kakadu sp. 4</i>											2			2
Declininae														
<i>Chlorobellus sp.</i>					3				1				4	4
Listroscelinae														
Gen. nov. 12											1			1
Meconemitiinae														
Gen. M.E.1											3			3
Phaneropterinae														
<i>Caedicia Kakadu sp. 5</i>											3			3
<i>Caedicia Kakadu sp. 7</i>											3			3
<i>Caedicia Kakadu sp. 9</i>											1			1
<i>Polichne parvicauda</i>											2			2
<i>Polichne sp. 6</i>											1			1
unidentified											6	3		9
TOTAL														
NO. SPECIES	8	17	27	8	31	21	33	15	18	1	270	175	125	570
	6	10	12	5	11	12	14	9	10	1	38	33	28	58

Appendix 9 Records of termite species at paper baits (data pooled across sampling periods)

Natural sites

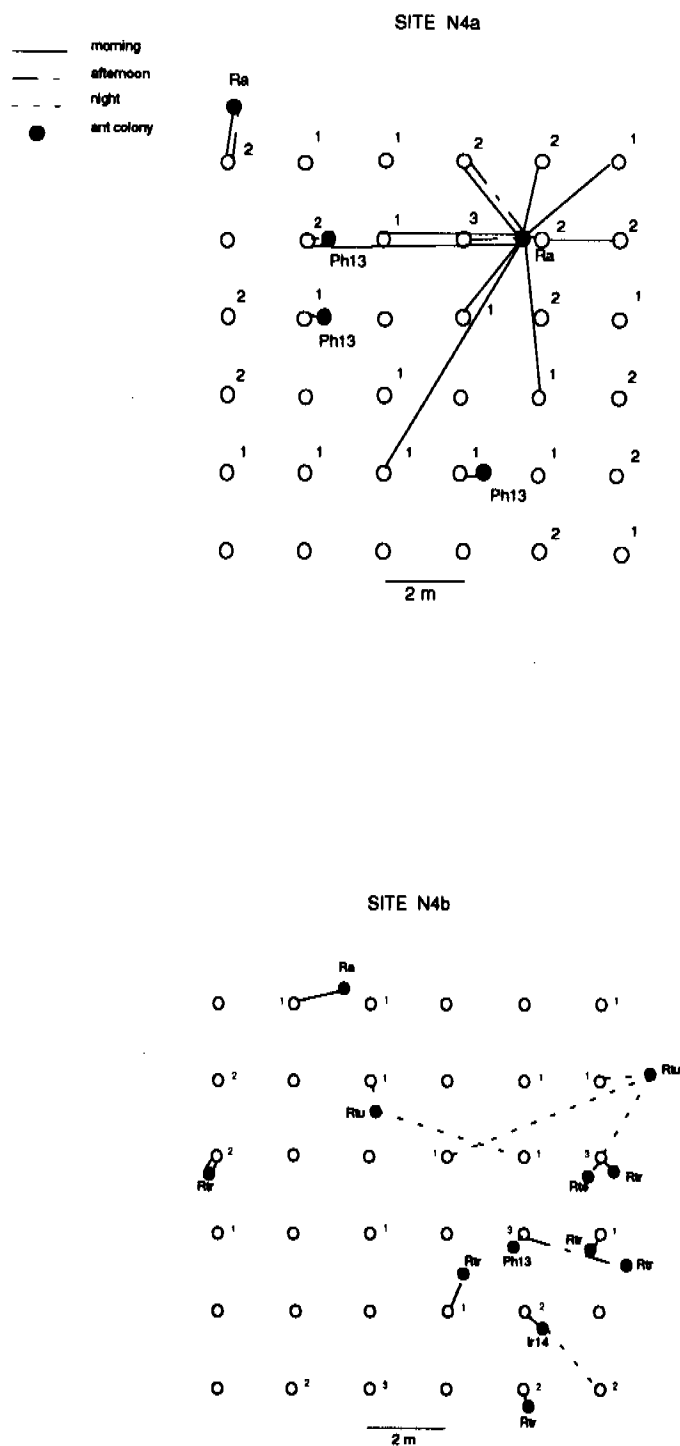
	N1	N2	N3	N4	N5	N6	N7	N8	N9	N10	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	N21	N22
MASTOTERMITIDAE																						
<i>Mastotermes darwiniensis</i>																						
RHINOTERMITIDAE																						
<i>Heterotermes venustus</i>				5		1	2	1			2	1							1		2	3
<i>Schedorhinotermes actuosus</i>																						
<i>S. ?breinii</i>															1							
TERMITIDAE																						
<i>Amitermes</i> sp. 1					2			1			3											
<i>Amitermes</i> sp. 3						2	1	1									2	6		2		
<i>Amitermes</i> sp. 4																						
<i>Amitermes</i> sp. 5																	1					
<i>Drepanotermes rubriceps</i>											3	4		3			1	1				
<i>Microcerotermes boreus</i>															3	5						
<i>M. nanus</i>																						
<i>M. nervosus</i>							1								2							
<i>M. serratus</i>								1					1	1			1					
<i>Microcerotermes</i> sp. 4																		1				
<i>Microcerotermes</i> sp. 5									1													
<i>Nasutitermes</i> sp. 1																			1			
<i>Nasutitermes</i> sp. 2		1																				
"Termes"															1							
<i>Tumulitermes</i> sp. 1				2			1	8	4				1									
<i>Tumulitermes</i> sp. 2																						
<i>Tumulitermes</i> sp. 3				3												5		11	1			
<i>Tumulitermes</i> sp. 4				1											6							
<i>Tumulitermes</i> sp. 7	1					2		1	2		2								1			
unidentified workers		2		7			4	1			1	2		2	6	2	4	4	3	2	2	1
TOTAL	1	3	0	18	2	5	9	14	7	0	11	7	2	6	19	12	9	23	7	4	4	4
NO. SPECIES	1	1	0	4	1	3	4	6	3	0	4	2	2	2	5	2	4	4	4	1	1	1

continued

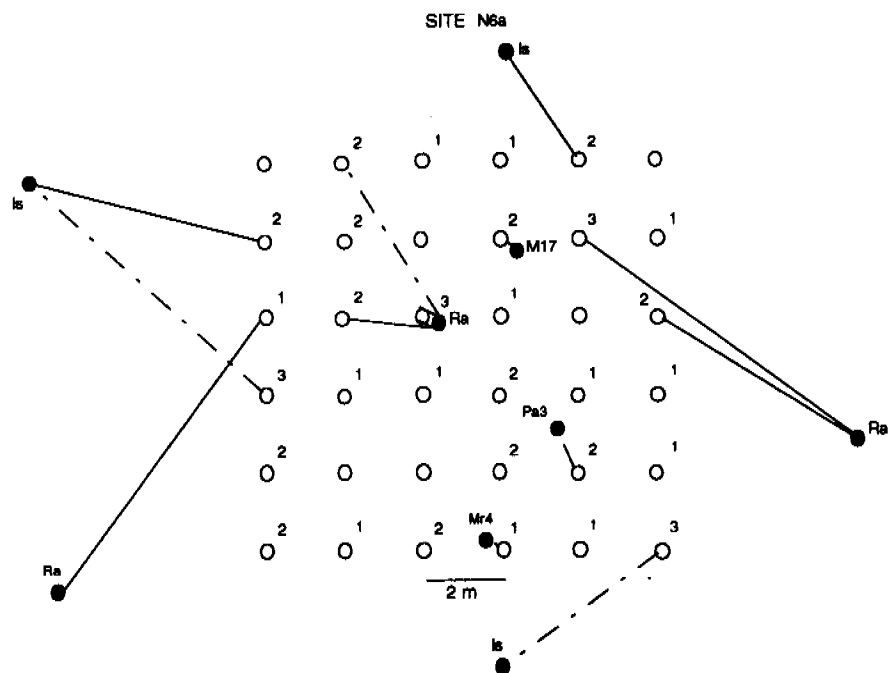
Appendix 9 (cont'd)

	Disturbed sites										Waste rock sites							Totals			
	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	W1	W2	W3	W4	W5	W6	W7	N	D	W	TOTAL
MASTOTERMITIDAE																					
<i>Mastotermes darwiniensis</i>			1	1	1					2					2				5	2	7
RHINOTERMITIDAE																					
<i>Heterotermes venustus</i>	1		3	5	1	1		1		1				1				18	13	1	32
<i>Schedorhinotermes actuosus</i>											1		2	2	1				6		6
<i>S. ?breinli</i>								1										1	1		
TERMITIDAE																					
<i>Amitermes</i> sp. 1	2							1										6	3		9
<i>Amitermes</i> sp. 3	8	2		1				3	6	3						1		14	23	1	38
<i>Amitermes</i> sp. 4	1		1		2					2									6		6
<i>Amitermes</i> sp. 5										1								1	1		2
<i>Drepanotermes rubriceps</i>	4	1																12	5		17
<i>Microcerotermes boreus</i>																		8			8
<i>M. nanus</i>				1															1		1
<i>M. nervosus</i>			1					1	1									3	3		6
<i>M. serratus</i>			1		1													4	2		6
<i>Microcerotermes</i> sp. 4																		1			1
<i>Microcerotermes</i> sp. 5																		1			1
<i>Nasutitermes</i> sp. 1																		1			1
<i>Nasutitermes</i> sp. 2																		1			1
"Termes"																		1			1
<i>Tumulitermes</i> sp. 1	3	4	3	1	9													16	20		36
<i>Tumulitermes</i> sp. 2					1														1		1
<i>Tumulitermes</i> sp. 3																		20			20
<i>Tumulitermes</i> sp. 4																		7			7
<i>Tumulitermes</i> sp. 7				1	2													9	3		12
unidentified workers	7	2	1	4	4			1	4	3	2	2	1		2			43	26	7	76
TOTAL	26	9	11	14	21	1	0	8	11	12	3	2	3	3	5	1	0	167	113	17	295
NO. SPECIES	6	3	6	6	7	1	0	5	2	5	1	0	1	2	2	1	0	18	14	4	22

Appendix 10 Maps illustrating seed transport by ants from baiting stations (open circles) to nests during myrmecochory trials

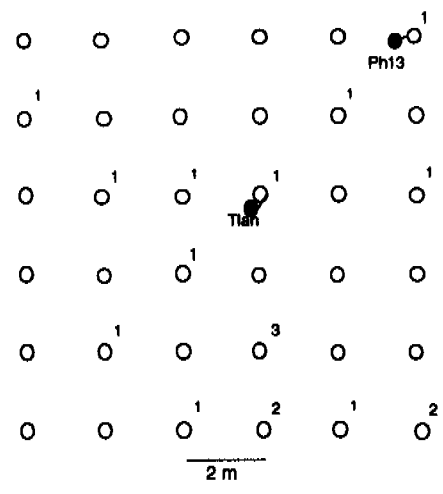


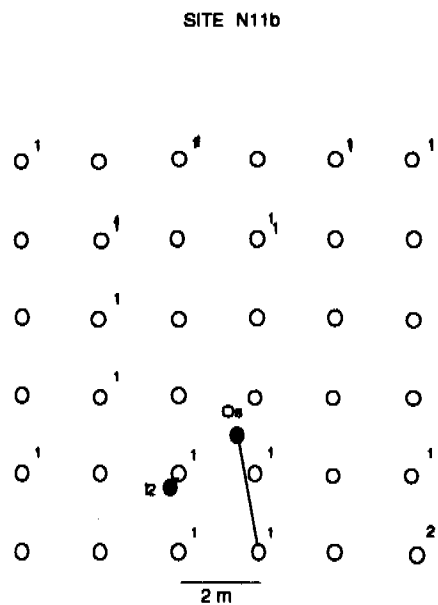
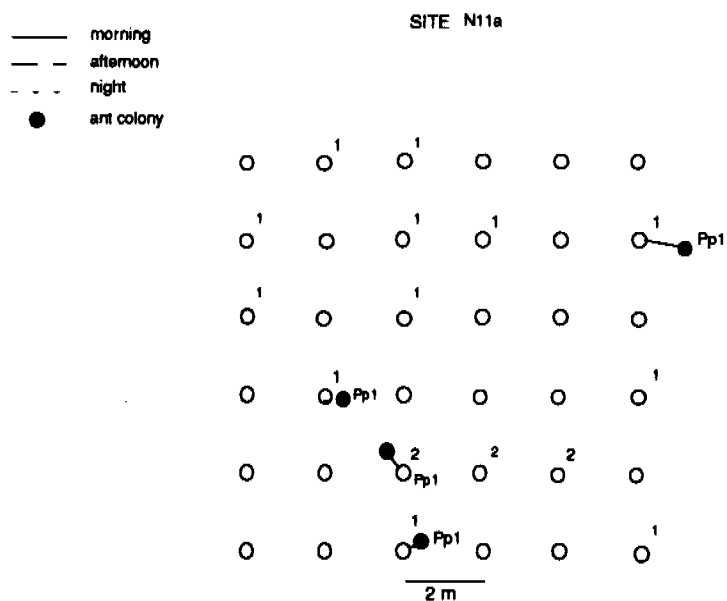
Appendix 10 (cont'd)



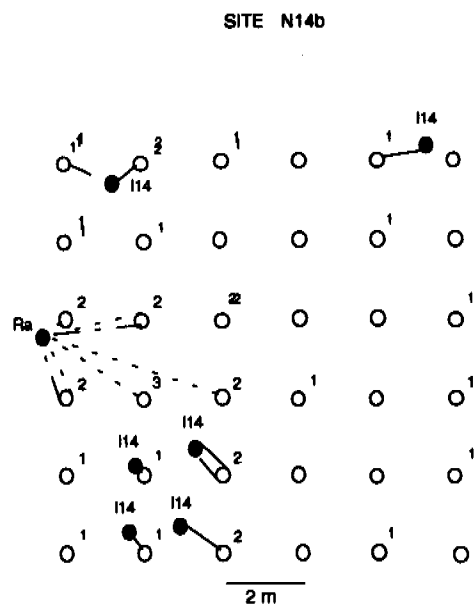
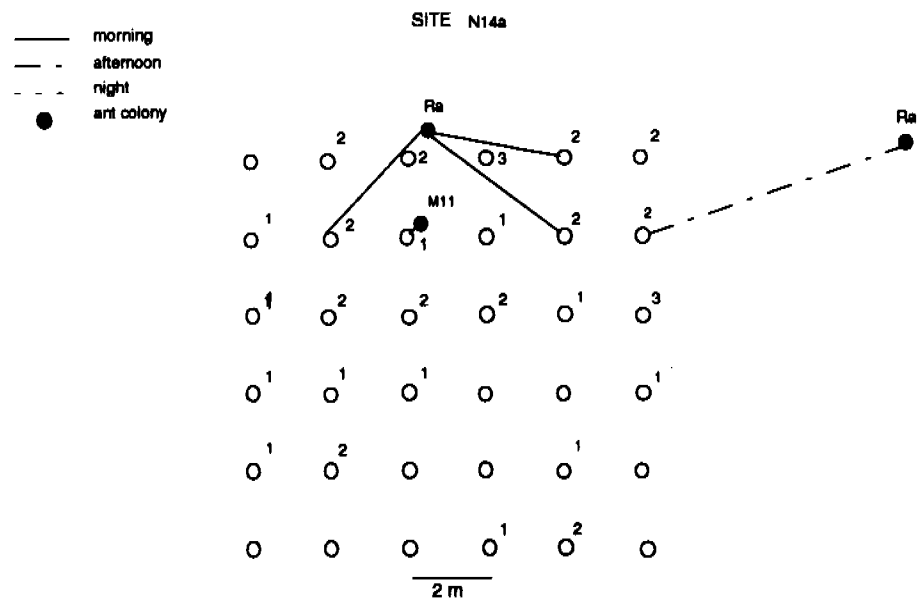
— morning
- - - afternoon
... right
● ant colony

SITE N6b

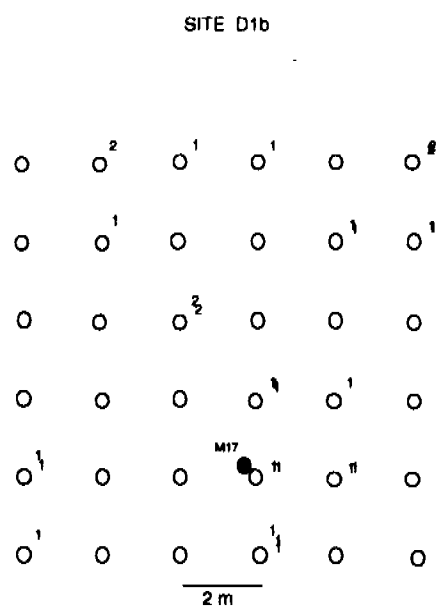
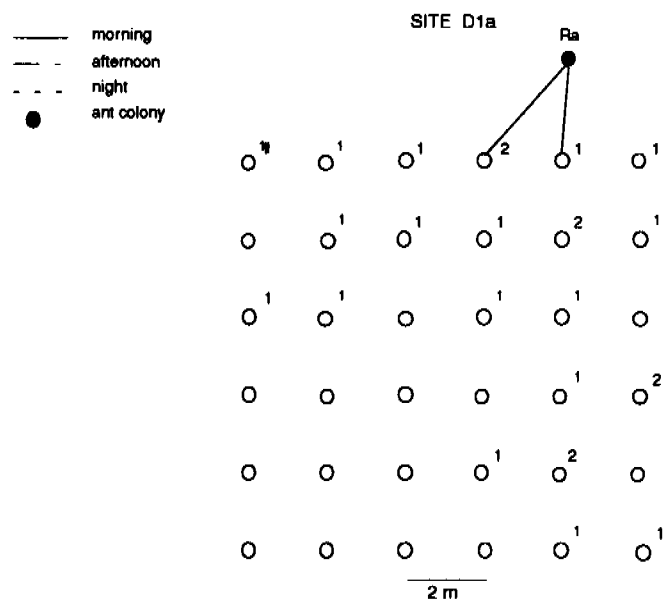


Appendix 10 (cont'd)

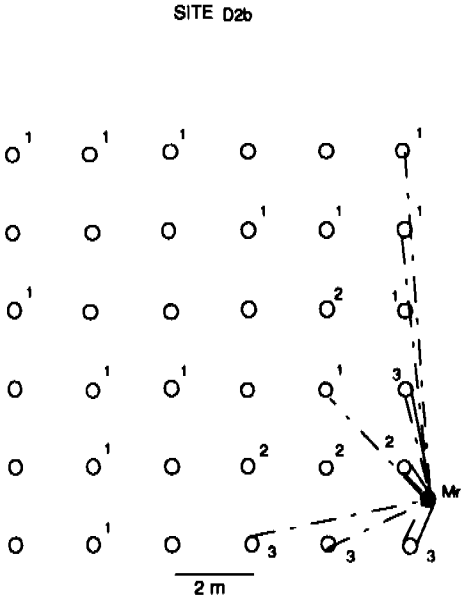
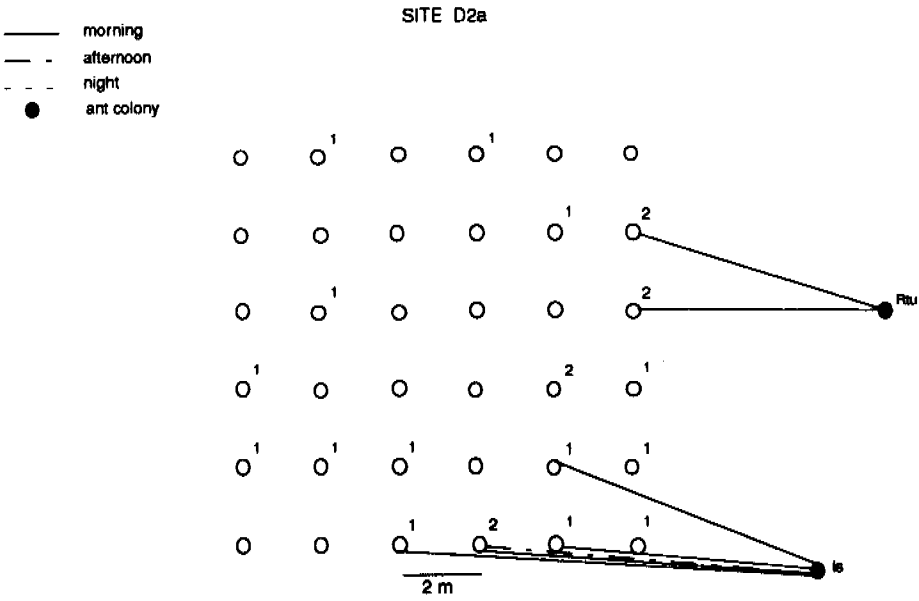
Appendix 10 (cont'd)



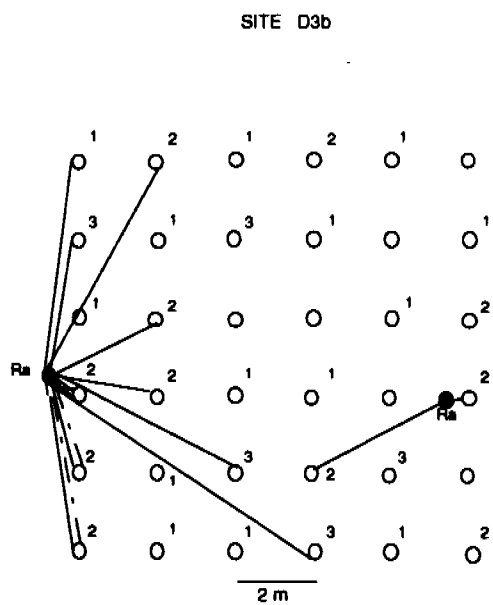
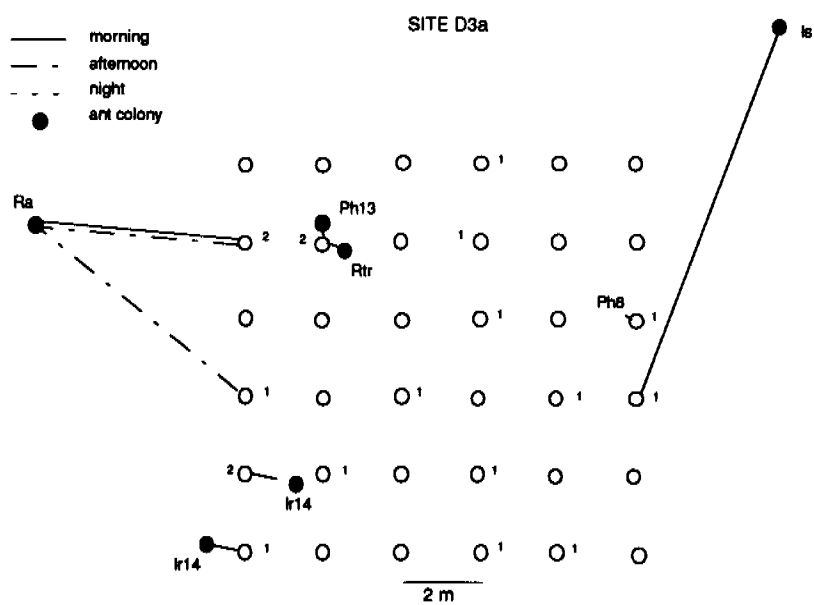
Appendix 10 (cont'd)



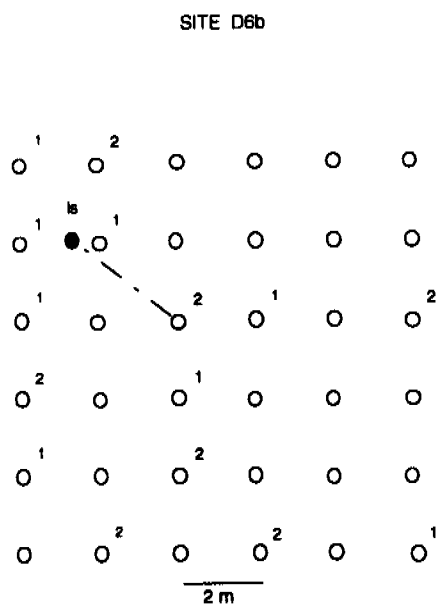
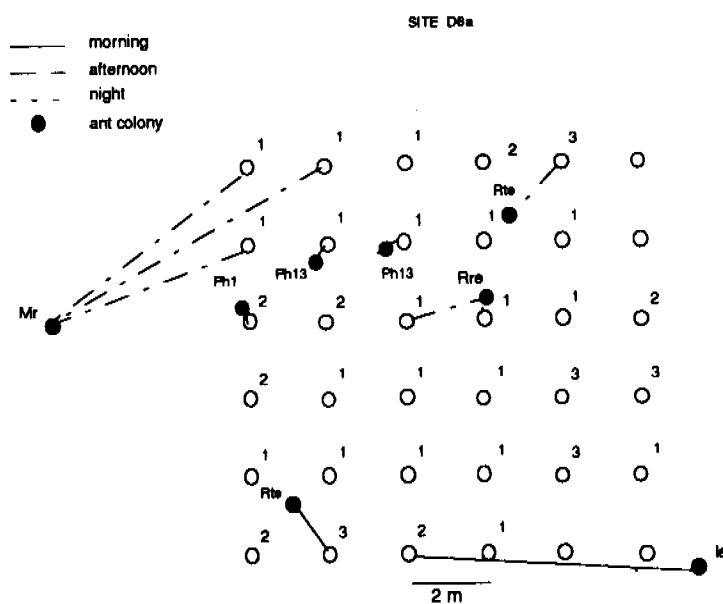
Appendix 10 (cont'd)



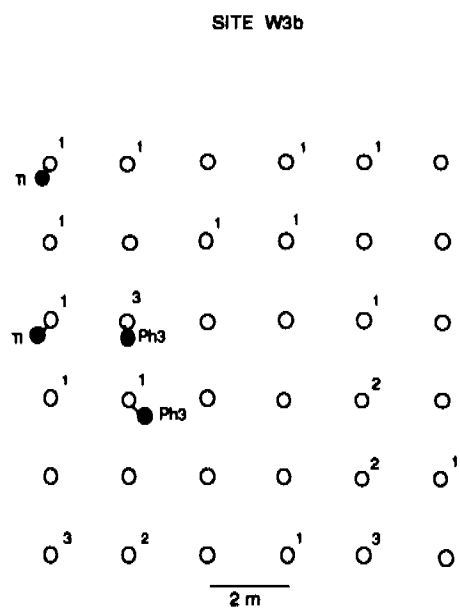
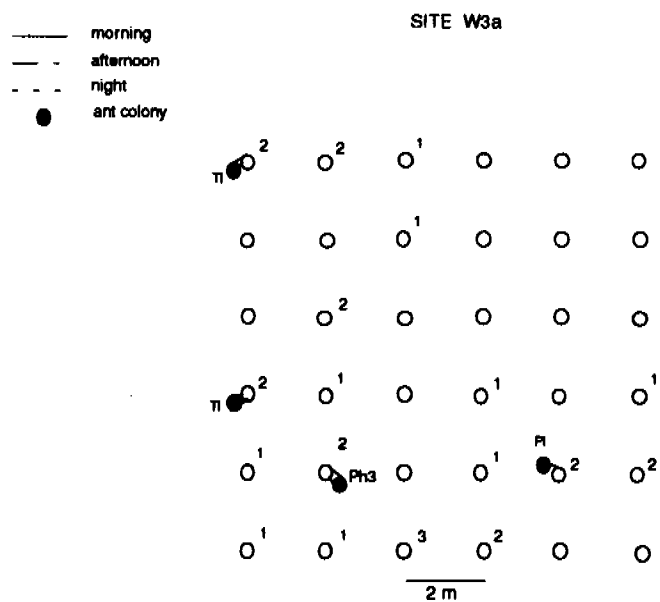
Appendix 10 (cont'd)



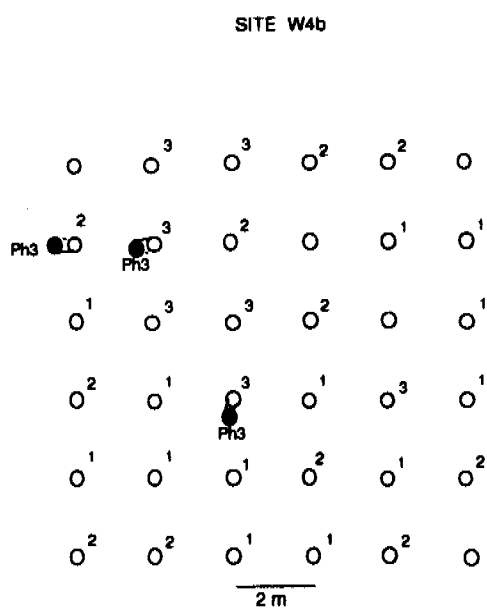
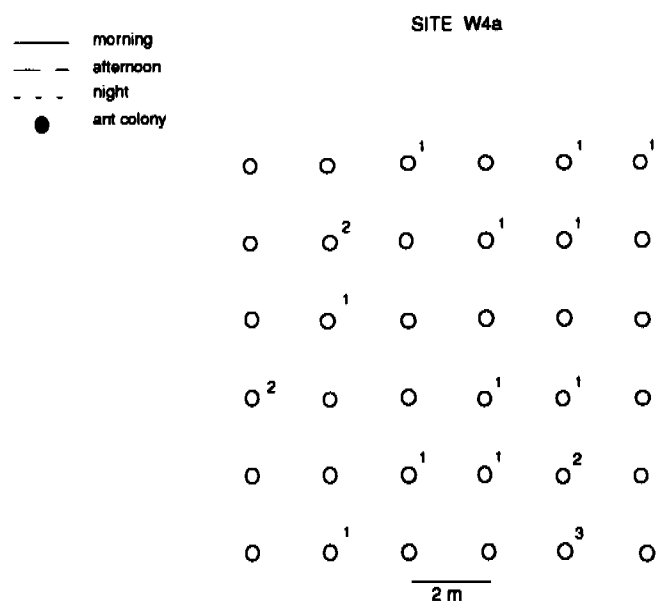
Appendix 10 (cont'd)



Appendix 10 (cont'd)



Appendix 10 (cont'd)



Appendix 11 Numbers of seed depots (n = 36 each plot) at which ants were observed feeding on arils *in situ*

	N4		N6		N11		N14		D1		D2		D3		D6		W3		W4		TOTAL
	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b	a	b	
MYRMICINAE																					
<i>Crematogaster</i> sp. 1							3	5					1								8
<i>Crematogaster</i> sp. 2																					1
<i>Meranoplus</i> sp. 4	1	1									1	1	1								2
<i>Monomorium</i> sp. 5										1											3
<i>Monomorium</i> sp. 6						1	5														6
<i>Monomorium</i> sp. 8		1																			1
<i>Monomorium</i> sp. 11				1	5	11	8	10	12		10	6	11	12	11						97
<i>Monomorium</i> sp. 14		5			5								4								14
<i>Monomorium</i> sp. 17	5		6	15		2			31	34			4								97
<i>Monomorium</i> sp. 21				2			2														4
<i>Monomorium</i> sp. 23													10								10
<i>Monomorium</i> sp. 24			3	7	8	17	8	5	7	22			3	15	4	3	13	24	35	26	200
<i>Monomorium</i> sp. 28		3																			3
<i>Pheidole</i> sp. 3													2						2		4
<i>Pheidole</i> sp. 8		3											3								6
<i>Pheidole</i> sp. 13	8								1												9
<i>Solenopsis</i> sp. 1											9	8	2								19
<i>Tetramorium</i> sp. 1		1																			1
<i>Tetramorium</i> sp. 2															1						1
<i>Tetramorium</i> sp. 5						1															1
<i>T. lanuginosum</i>				7													5	2		1	15
DOLICHODERINAE																					
<i>Iridomyrmex</i> sp. 2		1									1	5									7
FORMICINAE																					
<i>Camponotus</i> sp. 17	4																				4
<i>Paratrechina</i> sp. 2					1										28						29
TOTAL (%depots)	44	39	22	75	42	67	61	44	100	100	53	47	69	69	39	81	50	69	97	75	62