



Appendix

APPENDIX 1: Species diversity and abundance of spiders collected in four different grassland types and from three species of woody plants in the Erfenis Dam Nature Reserve, Free State Province from November 2005 to August 2007.

Family	Species	Guild	Grass-dwellers						Foliage-dwellers					
			MG	TG	WeG	WoG	Total	% of total	Ak	Sc	Sl	Total	% of total	
Agelenidae	<i>Benoitia ocellata</i> (Pocock, 1900)	FWB	-	-	-	-	-	-	-	-	1	-	1	0.20
Araneidae	<i>Araneus</i> sp. 1	OWB	-	-	-	-	-	-	-	-	-	1	1	0.20
	<i>Araneinae</i> sp. 1	OWB	21	7	5	3	36	2.18	1	-	-	1	0.20	
	<i>Araneinae</i> sp. 2	OWB	5	-	-	4	9	0.55	-	-	-	-	-	
	<i>Caerostris sexcuspidata</i> (Fabricius, 1793)	OWB	-	-	-	-	-	-	-	2	-	2	0.40	
	<i>Cyclosa insulana</i> (Costa, 1834)	OWB	-	-	1	-	1	0.06	-	-	-	-	-	
	<i>Hypsosinga lithyphantoides</i> Caporiacco, 1947	OWB	25	6	32	8	71	4.31	1	-	-	1	0.20	
	<i>Hypsosinga</i> sp. 2	OWB	14	24	5	4	47	2.85	-	-	-	-	-	
	<i>Hypsosinga</i> sp. 3	OWB	-	6	-	-	6	0.36	-	-	-	-	-	
	<i>Kilima decens</i> (Blackwall, 1866)	OWB	15	41	19	7	82	4.97	-	-	-	-	-	
	<i>Kilima</i> sp. 2†	OWB	-	-	-	1	1	0.06	-	-	-	-	-	
	<i>Lipocrea longissima</i> (Simon, 1881)	OWB	9	6	4	5	24	1.46	1	6	1	8	1.61	
	<i>Nemoscolus cotti</i> Lessert, 1933	OWB	14	-	-	2	16	0.97	-	-	-	-	-	
	<i>Neoscona blondeli</i> (Simon, 1886)	OWB	1	8	7	6	22	1.33	9	6	7	22	4.44	
	<i>Neoscona moreli</i> (Vinson, 1863)	OWB	-	-	6	12	18	1.09	-	-	-	-	-	
	<i>Neoscona rapta</i> Thorell, 1899	OWB	-	-	-	-	-	-	-	1	-	1	0.20	
<i>Neoscona subfusca</i> (C.L. Koch, 1837)	OWB	-	-	-	-	-	-	12	15	1	28	5.65		
<i>Parareneus cyrtoscapus</i> (Pocock, 1898)	OWB	-	-	-	-	-	-	-	-	2	2	0.40		
<i>Parareneus spectator</i> (Karsch, 1886)	OWB	-	-	-	-	-	-	1	1	3	5	1.00		
<i>Prasonica seriata</i> Simon, 1895	OWB	25	1	-	-	26	1.58	-	-	-	-	-		
Clubionidae	<i>Clubiona</i> sp. 1	PW	1	-	-	-	1	0.06	-	1	1	2	0.40	
Corinnidae	<i>Copuetta lacustris</i> (Strand, 1916)	PW	-	-	-	-	-	-	-	1	-	1	0.20	
	<i>Poachelas striatus</i> Haddad & Lyle, 2008	PW	2	1	-	-	3	0.18	-	-	-	-	-	
	<i>Thysanina absolve</i> Lyle & Haddad, 2006	PW	1	4	-	4	9	0.55	-	5	-	5	1.00	
Dictynidae	<i>Archaeodictyna</i> sp. 1	HWB	13	22	-	3	38	2.30	-	-	-	-	-	
	<i>Dictyna</i> sp. 1	HWB	9	4	5	-	18	1.09	-	1	-	1	0.20	
Gnaphosidae	<i>Echeminae</i> sp. 1	GW	-	-	-	1	1	0.06	-	1	-	1	0.20	
	<i>Echeminae</i> sp. 2	GW	-	-	-	1	1	0.06	-	1	-	1	0.20	
	<i>Zelotes</i> sp. imm.	GW	4	1	-	2	7	0.42	-	-	-	-	-	
Linyphiidae	<i>Microlinyphia sterilis</i> (Pavesi, 1883)	SWB	-	-	2	1	3	0.18	-	1	-	1	0.20	
	<i>Ostearius melanopygus</i> (O. P.-Cambridge, 1879)	SWB	-	-	1	-	1	0.06	-	-	-	-	-	
	<i>Linyphiidae</i> sp. 1	SWB	1	-	-	-	1	0.06	-	-	-	-	-	
	<i>Linyphiidae</i> sp. 2	SWB	2	1	1	-	4	0.24	-	-	-	-	-	
	<i>Linyphiidae</i> sp. 3	SWB	2	-	-	1	3	0.18	-	-	-	-	-	
	<i>Linyphiidae</i> sp. 4	SWB	-	1	-	-	1	0.06	-	-	-	-	-	
<i>Linyphiidae</i> sp. 5	SWB	-	1	-	-	1	0.06	-	-	-	-	-		
Liocranidae	<i>Rhaeboctesis</i> sp. imm.	GW	-	1	-	-	1	0.06	-	-	-	-	-	
Lycosidae	<i>Lycosidae</i> sp. imm.	GW	-	1	-	-	1	0.06	-	-	-	-	-	
	<i>Pardosa</i> sp. imm.	GW	2	3	1	2	8	0.49	-	-	-	-	-	
	<i>Proevippa</i> sp. imm.	GW	9	9	49	15	82	4.97	-	-	-	-	-	
	<i>Trabea purcelli</i> Roewer, 1951	GW	-	-	-	-	-	-	-	-	1	1	0.20	
Mysmenidae	<i>Mysmenidae</i> sp. 1	OWB	-	-	-	-	-	-	-	-	1	1	0.20	
Miturgidae	<i>Cheiracanthium furculatum</i> Karsch, 1879	PW	2	1	1	-	4	0.24	27	10	12	49	9.88	
	<i>Cheiramiona floribadensis</i> Lotz, 2003	PW	1	1	-	-	2	0.12	-	-	-	-	-	
	<i>Miturgidae</i> sp. 1	PW	4	1	-	4	9	0.55	-	-	-	-	-	

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Ak, *Acacia karroo*; imm., immature specimens only; MG, mixed grassland; Sc, *Searsia ciliata*; Sl, *Searsia lancea*; TG, Themeda grassland; WeG, weedy grassland; WoG, woodland grassland; FWB, funnel-web builders; OWB, orb-web builders; PW, plant wanderers; HWB, hackle-web builders; GW, ground wanderers; GWB, gumfoot-web builders; SWB, sheet-web builders.

†, new species.

?, dubious identification.

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Family	Species	Guild	Grass-dwellers						Foliage-dwellers				
			MG	TG	WeG	WoG	Total	% of total	Ak	Sc	Sl	Total	% of total
Oxyopidae	<i>Oxyopes affinis</i> Lessert, 1915?	PW	8	21	3	9	41	2.49	24	-	-	24	4.84
	<i>Oxyopes jacksoni</i> Lessert, 1915	PW	-	5	-	-	5	0.30	-	-	-	-	-
	<i>Oxyopes russoi</i> Caporriacco, 1940	PW	6	14	-	1	21	1.27	-	2	-	2	0.40
	<i>Oxyopes</i> sp. 4	PW	2	-	-	-	2	0.12	6	1	-	7	1.41
	<i>Peucea striata</i> Karsch, 1878?	PW	2	13	3	1	19	1.15	-	-	-	-	-
Philodromidae	<i>Gephyrota</i> sp. 1	PW	-	-	-	1	1	0.06	4	-	-	4	0.81
	<i>Philodromus browningi</i> Lawrence, 1952	PW	-	-	-	-	-	-	28	23	18	69	13.91
	<i>Philodromus</i> sp. 2	PW	1	9	8	6	24	1.46	7	1	2	10	2.02
	<i>Philodromus</i> sp. 3	PW	-	-	-	-	-	-	12	-	4	16	3.23
	<i>Suemus punctatus</i> Lawrence, 1938?	GW	1	-	-	-	1	0.06	-	-	-	-	-
	<i>Thanatus dorsilineatus</i> Jézéquel, 1964?	PW	20	2	4	8	34	2.06	-	-	-	-	-
	<i>Thanatus vulgaris</i> Simon, 1870	PW	-	-	-	1	1	0.06	-	-	-	-	-
	<i>Tibellus hollidayi</i> Lawrence, 1952	PW	23	5	57	15	100	6.06	-	-	-	-	-
	<i>Tibellus minor</i> Lessert, 1919	PW	58	88	19	13	178	10.79	-	2	-	2	0.40
Pholcidae	<i>Smeringopus</i> sp. †	-	-	-	-	-	-	-	-	1	-	1	0.20
Salticidae	<i>Baryphas ahenus</i> Simon, 1902	PW	-	-	-	-	-	-	1	32	-	33	6.65
	<i>Evarcha prosimilis</i> Wesolowska & Cumming, 2008	GW	-	-	-	-	-	-	-	6	-	6	1.21
	<i>Heliophanus charlesi</i> Wesolowska, 2003?	PW	-	1	-	-	1	0.06	-	-	-	-	-
	<i>Heliophanus debilis</i> Simon, 1901	PW	-	-	-	2	2	0.12	-	-	-	-	-
	<i>Heliophanus nanus</i> Wesolowska, 2003	PW	6	1	2	2	11	0.67	2	2	5	9	1.82
	<i>Heliophanus pistaciae</i> Wesolowska, 2003	PW	5	8	12	12	37	2.24	4	1	1	6	1.21
	<i>Heliophanus prozysnii</i> Wesolowska, 2003	PW	1	1	12	2	16	0.97	-	-	-	-	-
	<i>Heliophanus transvaalicus</i> Simon, 1901	PW	-	-	-	-	-	-	-	14	-	14	2.82
	<i>Nigorella hirsuta</i> Wesolowska, 2009	GW	-	1	-	-	1	0.06	-	-	-	-	-
	<i>Pellenes bulawayoensis</i> Wesolowska, 1999	GW	1	-	-	2	3	0.18	-	-	-	-	-
	<i>Pellenes tharinae</i> Wesolowska, 2006	GW	1	-	-	-	1	0.06	-	2	1	3	0.61
	<i>Phlegma karoo</i> Wesolowska, 2006	GW	-	1	-	-	1	0.06	-	-	-	-	-
	<i>Pseudicius dependens</i> Haddad & Wesolowska, 2011	PW	-	-	-	-	-	-	-	-	3	3	0.61
	<i>Pseudicius gracilis</i> Haddad & Wesolowska, 2011	PW	-	-	-	-	-	-	1	6	-	7	1.41
	<i>Rhene</i> sp. imm.	PW	5	2	-	-	7	0.42	1	-	-	1	0.20
	<i>Thyene inflata</i> (Gerstäcker, 1873)	PW	-	-	2	1	3	0.18	-	-	-	-	-
<i>Thyene thynioides</i> (Peckham & Peckham, 1903)	PW	75	30	24	23	152	9.22	-	-	1	1	0.20	
<i>Tusitala barbata</i> Peckham & Peckham, 1902	PW	-	-	-	-	-	-	-	1	-	1	0.20	
Sparassidae	<i>Olios correvoni</i> Lessert, 1921?	PW	1	-	-	-	1	0.06	-	-	-	-	-
	<i>Pseudomicrommata longipes</i> (Bösenberg & Lenz, 1895)	PW	-	-	-	-	-	-	1	0	0	1	0.20
Theridiidae	<i>Achaearanea</i> sp. 1	GWB	-	-	-	-	-	-	3	19	0	22	4.44
	<i>Achaearanea</i> sp. 2	GWB	-	-	-	-	-	-	0	1	0	1	0.20
	<i>Anelosimus</i> sp. 1?	GWB	-	-	1	1	2	0.12	-	-	-	-	-
	<i>Coleosoma</i> sp. 1	GWB	-	-	-	-	-	-	1	0	0	1	0.20
	<i>Latrodectus renivulvatus</i> Dahl, 1902	GWB	-	1	-	-	1	0.06	-	-	-	-	-
	<i>Phoroncidia</i> sp. 1	GWB	12	8	3	-	23	1.40	-	-	-	-	-
	<i>Theridion</i> sp. 1	GWB	6	4	12	3	25	1.52	2	15	0	17	3.43
	<i>Theridion</i> sp. 2	GWB	3	-	2	1	6	0.36	2	16	0	18	3.63
<i>Theridion</i> sp. 3	GWB	-	1	2	1	4	0.24	-	-	-	-	-	

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Family	Species	Guild	Grass-dwellers						Foliage-dwellers				
			MG	TG	WeG	WoG	Total	% of total	Ak	Sc	Sl	Total	% of total
Thomisidae	<i>Heriaeus</i> sp. 1†	PW	3	2	1	-	6	0.36	-	-	-	-	-
	<i>Misumenops rubrodecoratus</i> Millot, 1941	PW	14	49	21	89	173	10.49	37	4	1	42	8.47
	<i>Monaeses gibbus</i> Dippenaar-Schoeman, 1984	PW	2	1	-	1	4	0.24	-	-	-	-	-
	<i>Monaeses quadrituberculatus</i> Lawrence, 1927	PW	-	1	-	-	1	0.06	-	-	-	-	-
	<i>Pherecydes</i> sp. 1	PW	-	-	-	-	-	-	1	0	1	2	0.40
	<i>Runcinia aethiops</i> (Simon, 1901)?	PW	1	-	-	-	1	0.06	-	-	-	-	-
	<i>Runcinia affinis</i> Simon, 1897	PW	2	15	-	-	17	1.03	-	-	-	-	-
	<i>Runcinia erythrina</i> Jézéquel, 1964?	PW	-	1	-	1	2	0.12	-	-	-	-	-
	<i>Runcinia flavida</i> (Simon, 1881)	PW	9	13	28	52	102	6.19	-	-	-	-	-
	<i>Runcinia grammica</i> (C.L. Koch, 1837)	PW	1	-	3	2	6	0.36	-	-	-	-	-
	<i>Stiphropus affinis</i> Lessert, 1923	PW	2	3	1	1	7	0.42	-	-	-	-	-
	<i>Synema decens</i> (Karsch, 1878)	PW	-	-	-	-	-	-	0	4	0	4	0.81
	Thomisidae sp. 1	PW	1	-	-	-	1	0.06	-	-	-	-	-
	Thomisidae sp. 2	PW	-	1	-	-	1	0.06	-	-	-	-	-
	<i>Thomisops sulcatus</i> Simon, 1895	PW	1	-	-	-	1	0.06	-	-	-	-	-
	<i>Thomisus stenningi</i> Pocock, 1900	PW	1	2	1	4	8	0.49	0	3	0	3	0.61
	<i>Thomisus</i> sp. 2 imm.	PW	8	8	10	10	36	2.18	-	-	-	-	-
	<i>Tmarus cameliformis</i> Millot, 1942	PW	-	-	-	-	-	-	1	2	0	3	0.61
	<i>Xysticus natalensis</i> Lawrence, 1938	GW	1	-	-	-	1	0.06	-	-	-	-	-
Total		-	465	463	370	351	1649	~100	190	211	67	468	~100

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