



TABLE 1

Phytosociological table of the plant communities of the *Adansonia digitata*-*Acacia nigrescens* Soutpansberg arid northern Bushveld Major Vegetation Type

Association no.	1	2	3	4	5	6	7	8
Relev number	1 1 1 1 1	1 1 1		1 1 1 1	1 1 1 1	1 1 1	1 1 1 1	1 1 1 1 1 1
	8 8 8 8 9 9 9 9 9 9 9 9 0 0 0 0 5	3 3 4 4 4 4 6 0 0 1	5 5 5 6 6 6 6	3 4 4 4 4 5 0 0 0 3 4	7 7 8 8	6 7 7	4 4 4 4	4 4 4 4 4
	6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 0	7 8 1 2 3 4 1 5 6 0	7 8 9 0 2 3 4	2 5 6 7 8 6 4 7 8 9 1 0	8 9 0 1	9 0 1	6 7 8 9	0 1 2 3 4 5
Species Group A								
Diagnostic species of plant community 1: <i>Commiphora tenuipetiolata</i> - <i>Adansonia digitata</i> short open woodland								
<i>Tephrosia macropoda</i>	+	+	+	+	+	+	+	+
<i>Sclerocarya birrea caffra</i>	a b a	+	+	+	+	+	+	+
<i>Commiphora tenuipetiolata</i>	+	1 1 1 +	+	+	+	+	+	+
<i>Leudebouria apertiflora</i>	+	+	+	+	+	+	+	+
<i>Aristida stipitata graciliflora</i>	+	+	1 1 1 +	+	+	+	+	+
<i>Tricholaena monachne</i>	+	1 +	+	+	+	+	+	+
<i>Hermannia boraginiflora</i>	+	+	+	+	+	+	+	+
<i>Blépharis subvolubilis</i>	+	+	+	+	+	+	+	+
<i>Diceracaryum eriocarpum</i>	+	+	+	+	+	+	+	+
<i>Chamaecrista mimosoides</i>	+	+	+	+	+	+	+	+
<i>Albizia anthelmintica</i>	+	+	1 1 +	+	+	+	+	+
Barleria species	+	+	+	+	+	+	+	+
<i>Phyllanthus maderaspatensis</i>	+	+	+	+	+	+	+	+
<i>Indigofera adenoides</i>	+	+	+	+	+	+	+	+
<i>Sansevieria hyacinthoides</i>	+	+	+	+	+	+	+	+
<i>Corchorus trilocularis</i>	+	+	+	+	+	+	+	+
<i>Schoenia brachypetala</i>	r	+	+	+	+	+	+	+
<i>Agathisanthemum bojeri</i>	+	+	+	+	+	+	+	+
<i>Asparagus asparagoides</i>	+	+	+	+	+	+	+	+
<i>Acacia nilotica kraussiana</i>	+	r r	+	1	+	1 1	1 1	1 1
<i>Commelea africana</i>	a 1	+			+			
<i>Gymnosperma senegalensis</i>	+	+	+					
<i>Solanum kweibense</i>	+	+	+					
<i>Eragrostis pseudosclerantha</i>	1 1 +							
<i>Acacia erioloba</i>	+	+	+					
<i>Acacia burkei</i>	++							
<i>Ehretia obtusifolia</i>	++							
<i>Polygala hottentotta</i>	+	+	+					
<i>Ochna natalitia</i>		+	+					
<i>Euclea natalensis</i>		+	+					
<i>Tephrosia longipes</i>		+	+					
<i>Eragrostis pallens</i>	+	+	+					
Species Group B								
Diagnostic species of plant community 2: <i>Leudebouria ovatifolia</i> - <i>Commiphora mollis</i> short bushland								
<i>Leudebouria ovatifolia</i>								
<i>Asparagus cooperi</i>								
<i>Barleria elegans</i>								
<i>Dalbergia nitidula</i>	r							
<i>Ocimum canum</i>								
<i>Asparagus racemosus</i>								
<i>Abutilon angulatum angulatum</i>								
<i>Stapelia gigantea</i>								
<i>Euclea undulata</i>		r						
<i>Lantana rugosa</i>	+							
<i>Pyrostria hystrix</i>				r				
<i>Aloe globuligemma</i>								
<i>Rhigozum obovatum</i>								
<i>Pseudolachnostylis maprouneifolia</i>	r							
<i>Toddiaflopsis bremekampii</i>	r	+						
Species Group C								
Diagnostic species of plant community 3: <i>Phyllanthus reticulatus</i> - <i>Acacia nigrescens</i> short bushland								
<i>Adansonia digitata</i>	1 1 1 a +	1 1 1 1 1 +	1 1 1 1 1 1 1	1 1 1 1 +	1 1 1 1 1 1 +			
<i>Blepharis diversispina</i>	+	1 +	1 + + + + + + + +	1 + + + +	+ + + + + + + +	+		
<i>Terminalia prunioides</i>								
<i>Ximenia americana microphylla</i>	a 1 b a 1 a + + +	+	+ + 1 + + 1 1 + + +					
<i>Combretum mossambicense</i>	+	++ + + + + + + +	+	+	++ + + + + + + +	+		
<i>Gossypium herbaceum africanum</i>	+	++ + + + + + + +	+	+ + + + + + + +				
<i>Commiphora viminea</i>	+	++ + + + + + + +	+	+ + + + + + + +				
<i>Waltheria indica</i>	++ +	++ +	+ + + + + + + +					
Species Group D								
Diagnostic species of plant community 4: <i>Phyllanthus reticulatus</i> - <i>Acacia nigrescens</i> short bushland								
<i>Phyllanthus reticulatus</i>		r		+				
<i>Setaria nigrirostris</i>								
<i>Ruspolia hypocrateriformis</i>								
<i>Asparagus setaceus</i>								
<i>Wrightia natalensis</i>								
<i>Rhynchosia nervosa</i>								
<i>Acalypha glabrata</i>								
<i>Melhania prostrata</i>								
<i>Brachylaena discolor</i>								
<i>Canthium mundianum</i>								
<i>Pouzolzia mixta</i>								
<i>Barleria obtusa</i>								
<i>Ruspolia hypocrateriformis australis</i>								
<i>Clerodendrum makanjanum</i>								
<i>Loeseneriella crenata</i>								
<i>Combretum molle</i>				r				
<i>Vangueria infausta infausta</i>	+	+	+	+				

TABLE 1 (cont.)
Phytosociological table of the plant communities of the *Adansonia digitata*-*Acacia nigrescens* Soutpansberg arid northern Bushveld Major Vegetation Type



TABLE 1 (cont.)

Phytosociological table of the plant communities of the *Adansonia digitata*-*Acacia nigrescens* Soutpansberg arid northern Bushveld Major Vegetation Type

Species Group O									
Diagnostic species of plant community 6: <i>Themeda triandra</i>-<i>Pterocarpus rotundifolius</i> short closed grassland on steep basaltic slopes									
<i>Themeda triandra</i>		r		+		+		+	
<i>Pterocarpus rotundifolius rotundifolius</i>	+					+		1+	
<i>Bolusanthus speciosus</i>								r	
<i>Rhynchosia komatiensis</i>							+		
<i>Acacia caffra</i>									
<i>Indigofera hilaris</i>									
<i>Gymnosporia buxifolia</i>		+		+		+			
<i>Lannea discolor</i>									
<i>Dombeya rotundifolia rotundifolia</i>							+		
<i>Cleome gynandra</i>								+	
<i>Rhynchosia venulosa</i>								+	
<i>Acacia gerrardii gerrardii</i>			+					1 1	
Species Group P									
<i>Combretum hereroense</i>								+ + r + + + + + +	
Species Group Q									
<i>Enneapogon cenchroides</i>			r					+ + + + a + + a b a a b b + + + 1 + + a 1	
Species Group R									
<i>Grewia monticola</i>									
<i>Commiphora mollis</i>									
<i>Ximenia caffra caffra</i>									
<i>Cleome angustifolia petriana</i>									
<i>Ozoroa paniculosa salicina</i>									
Species Group S									
Diagnostic species of plant community 7: <i>Cyperus albostriatus</i>-<i>Syzygium cordatum</i> sandveld wetlands									
<i>Cyperus albostriatus</i>									
<i>Syzygium cordatum</i>									
<i>Hyphaea petriana</i>			+	+					
<i>Cynodon dactylon</i>							+		
<i>Acacia robusta clavigera</i>	+								
<i>Thelypteris madagascariensis</i>									
<i>Senna petriana</i>			+						
<i>Persicaria serrulata</i>									
<i>Fimbristylis complanata</i>									
<i>Pycreus polystachyos</i>									
<i>Andropogon eucomus</i>									
<i>Fuirena pubescens</i>									
<i>Garcinia livingstonei</i>			+	+					
<i>Albizia versicolor</i>									
<i>Mystroxylon aethiopicum schlechteri</i>	+				+				
<i>Bridelia mollis</i>									
<i>Artobotrys brachypetalus</i>	+								
<i>Ficus sycomorus</i>									
<i>Xanthocercis zambesiaca</i>			+						
<i>Urochloa mosaambicensis</i>	+			+					
<i>Cyperus distans</i>									
<i>Wahlenbergia grandiflora</i>									
<i>Cyperus solidus</i>									
<i>Hypericum lalandii</i>									
<i>Veronica centaureoides</i>									
Species Group T									
<i>Philenoptera violacea</i>					+		r		+ + + + + + 1 1 + +
Species Group U									
<i>Grewia hexamita</i>									
<i>Dichrostachys cinerea africana</i>									
<i>Plectoniella armata</i>									
<i>Terminalia sericea</i>									
<i>Strychnos madagascariensis</i>									
<i>Peltophorum africanum</i>									
<i>Euclea natans</i>									
<i>Rhus leptodictya</i>									
<i>Bulbostylis hispidula</i>									
<i>Acacia velutschii delagoensis</i>									
Species Group V									
Diagnostic species of plant community 8: <i>Sesamothamnus lugardii</i>-<i>Catophractes alexandri</i> tall sparse shrubland									
<i>Catophractes alexandri</i>									
<i>Commiphora pyracanthoides</i>			+	+					
<i>Acacia nebrownii</i>									
<i>Sesamothamnus lugardii</i>									
<i>Ipomoea adenioides</i>									
<i>Salvadora australis</i>									
<i>Acacia senegal rostrata</i>									
<i>Dicoma species</i>									
<i>Balanites pedicellaris</i>									
<i>Kyphocarpa angustifolia</i>									
<i>Euphorbia guerichiana</i>									
<i>Kleinia longiflora</i>									
<i>Solanum coccineum</i>									
<i>Bicum angustifolium</i>									
<i>Hibiscus calyphyllus</i>									
<i>Rhigozum zambesiacum</i>			1+						

TABLE 1 (cont.)

Phytosociological table of the plant communities of the *Adansonia digitata*-*Acacia nigrescens* Soutpansberg arid northern Bushveld Major Vegetation Type

<i>Sporobolus ioclados</i>				+					1 +				+ + + + +
<i>Vernonia capensis</i>													+ + + +
<i>Acacia mellifera detinens</i>												1	+ +
<i>Aptosimum lineare</i>													+ + +
<i>Lycium species</i>													+ + +
<i>Blepharis aspera</i>													+ + +
<i>Bicum obovatum</i>													+ + +
<i>Barleria wilmsiana</i>													+ + +
<i>Tribulus zeyheri zeyheri</i>													+ + +
<i>Boscia foetida filipes</i>			+										+ + +
<i>Odysea paucinervis</i>													+ + +
<i>Bicum filamentosum</i>													+ + +
<i>Aristida meridionalis</i>													+ + +
<i>Commelina erecta</i>	+				+			+					+ + +
<i>Evolvulus alsinoides</i>					+			+					+ +
<i>Aloe littoralis</i>			++		+								+ +
<i>Pterodiscus species</i>													+ +
<i>Kalanchoe brachyloba</i>													+ +
<i>Adenia repanda</i>													+ +
Species Group W													
<i>Melinis repens repens</i>			+		+								+
<i>Cenchrus ciliaris</i>				r				+					a 1
Species Group X													
<i>Justicia flava</i>													+ + + +
Species Group Y													
<i>Sarcostemma viminale</i>			+		+								+ +
Species Group Z													
<i>Schmidia pappophoroides</i>	a a a +	1 + +	1 1 +	1 +	1 + + a a + +								+ a a + 1
<i>Grewia flava</i>	1 1 1 a a	1 + + +	1 1 1 +	1 1 +	1 +								+ + + +
<i>Stipagrostis uniplumis uniplumis</i>	b b b +	1 + 1 +	1 a a	+ + a a	1 +								+ + + +
<i>Commiphora africana</i>	a + + + +		1 + + + + 1	+ +									1 a + 1 +
<i>Heliotropium steudneri</i>	+ + + +		+ + +	+ + +									+ + + + +
<i>Boscia foetida rehmanniana</i>	+ + + +	1 + 1 1 +	1										1 1 + + 1
<i>Ehretia rigida</i>	+ + + +		+ + +	1									+ + +
<i>Dicliptera heterostegia</i>	+ + + +	+ + +	+ + +	+									+ +
<i>Sansevieria aethiopica</i>	+ + + + +	+ + + +	+ + +										+ + + +
<i>Commiphora schimperi</i>	1 + 1 1 + 1						r						1 + + +
<i>Tribulus terrestris</i>	+ + + + + +	+ + + + + +	+ + + + + +	+ + + + + +									+ + +
<i>Cordia monoica</i>	+ + + + + +	+ + + + + +	+ + + + + +	+ + + + + +									+ +
<i>Acacia tortilis heteracantha</i>	+ + + + + +	+ + + + + +	+ b	+ +	+ +								+ + +
<i>Hibiscus meyeri</i>	+ + + + + +	+ + + + + +	+ + + + + +	+ + + + + +									+ 1 + + +
<i>Eragrostis lehmanniana lehmanniana</i>	+ +	+ +	1 1	+ + +	+ + +								+ + + +
<i>Solanum incanum</i>	+ +			+ +	+ +								+ + +