

Appendix 1

APPENDIX 1: A phytosociological table of the Spitskop area in the proposed Highveld National Park.

Plant community	1												2			3				
Subcommunity	1.1					1.2			1.3											
Relevé number	1	2	3	7	13	4	5	6	8	9	10	11	12	14	15	16	17	18	19	20
Species group A																				
<i>Acacia caffra</i>	+	+	1	1	+	1	b	1		r	r	r	+		+					r
<i>Seriphium plumosum</i>	r		+	1	r		r	r	a	1	+	r	+			1				
<i>Gomphocarpus fruticosus</i> subsp. <i>fruticosus</i>	r	r	+	r		+	+	1	+		r									
<i>Aristida bipartita</i>			r	r			+	+		r	a	r	+							
<i>Convolvulus sagittatus</i>	r		+	r	r				+	1										r
Species group B																				
<i>Panicum maximum</i>		r		r						r										r
<i>Acacia robusta</i> subsp. <i>robusta</i>	1	r						r												
Species group C																				
<i>Indigofera</i> sp.			+			r	+	r	r											r
Species group D																				
<i>Diospyros lycioides</i> subsp. <i>lycioides</i>	r	+	+				+	+		+										
<i>Clematis brachiata</i>			r		r	+	1		+							+				r
Species group E																				
<i>Senecio</i> sp.									+	+	r					+				r
<i>Atriplex</i> sp.									1	r				r						
<i>Lantana rugosa</i>									r	r						r				r
Species group F																				
<i>Mundulea sericea</i> subsp. <i>sericea</i>			+			r	a	1	r		r	r	+							
Species group G																				
<i>Eragrostis curvula</i>														+	1	1				
<i>Digitaria eriantha</i>	r		r		r		+						+	r	a	1				
<i>Setaria sphacelata</i> var. <i>torta</i>				+										+	a	1				
<i>Asparagus laricinus</i>													+		+	+				r
<i>Grewia flava</i>													+	r	r					r
<i>Solanum lichtensteinii</i>									r					r		+				r
Species group H																				
<i>Eragrostis racemosa</i>	+		+	+		+	a	+	b	1	b	+	1	+	+					
<i>Searsia pyroides</i> var. <i>pyroides</i>	r	r	+			+		r	+	+	r		+	+	+					
<i>Urochloa panicoides</i>			+	+			r		1		1	r	+	r	r	+				r
<i>Euclea undulata</i>		+	r			+			r						r	+				
Species group I																				
<i>Elionurus muticus</i>													r							r
<i>Gomphrena celosioides</i> *			r						r					r						r
<i>Sida alba</i>																				r
<i>Eustachys paspaloides</i>																				r
<i>Aristida congesta</i> subsp. <i>congesta</i>			r																	r
<i>Hilliardiella oligocephala</i>																				r
Species group J																				
<i>Cymbopogon pospischilii</i>			r											r	r					r
Species group K																				
<i>Chrysocoma ciliate</i>											+		+	r		1				r
<i>Eragrostis lehmanniana</i> var. <i>lehmanniana</i>									+	1					1	1				r
Species group L																				
<i>Acacia karroo</i>						r		r	3	b	b	1	b	+	a	b				r
<i>Setaria sphacelata</i> var. <i>sphacelata</i>			+					1	b	+	+	r	1							+
<i>Ziziphus zeyheriana</i>					r	r	r		1	1	1	r	1							+
Species group M																				
<i>Melinis repens</i> subsp. <i>repens</i>	1	+	1	a	1	+	1	1	a	+	+	+	1	+	+	+				r
<i>Aloe greatheadii</i> var. <i>davyana</i>	r	r	+	+	r	+	1	+	a	a	1	r	+	r	1	+				r

Note: This is the Online Appendix of Daemane, M.E., Cilliers, S.S. & Bezuidenhout, H., 2012, 'Classification and description of the vegetation in the Spitskop area in the proposed Highveld National Park, North West Province, South Africa', *Koedoe* 54(1), Art. #1020, 7 pages. <http://dx.doi.org/10.4102/koedoe.v54i1.1020>.

*, alien invasive plants.

1, abundant with low cover or less abundant but with higher cover, 1% – 5% cover of the total sample plot area; 3, > 25% – 50% cover of the total sample plot area, irrespective of the number of individuals; a, > 5% – 12.5% cover; b, > 12.5% – 25% cover; r, one or few individuals with less than 1% cover of the total sample plot area; +, occasional and less than 1% cover of the total sample plot area (Barkman, J.J., Doing, H. & Segal, S., 1964, 'Kritische Bemerkungen und Vorschläge zur quantitativen Vegetationsanalyse [Critical remarks and suggestions for the quantitative analysis of vegetation]', *Acta Botanica Neerlandica* 13, 394–419.)

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APPENDIX 1 (Continues...): A phytosociological table of the Spitskop area in the proposed Highveld National Park.

Plant community	1												2			3				
	1.1					1.2			1.3				14	15	16	17	18	19	20	
Subcommunity	1	2	3	7	13	4	5	6	8	9	10	11	12	14	15	16	17	18	19	20
<i>Themeda triandra</i>	r	r	1	+	+		1	1	a	a		+	+	+	1			+		r
<i>Hyparrhenia hirta</i>		r		+		+	1	1		1	a	+			a	a		r	+	
<i>Asparagus suaveolens</i>		+	+	+		r	+	r	1	1	+	r	+	r	+	1		+		r
Other species																				
<i>Cucumis zeyheri</i>																r				
<i>Helichrysum rugulosum</i>																r				
<i>Hermannia lancifolia</i>														r						
<i>Tripteris aghillana</i> var. <i>aghillana</i>																+				
<i>Plantago lanceolata</i>																r				
<i>Pollichia campestris</i>																r				
<i>Setaria pallide-fusca</i>																1				
<i>Sida rhombifolia</i> subsp. <i>rhombifolia</i>																		+		
<i>Sida spinosa</i> var. <i>spinosa</i>																1				
<i>Sporobolus fimbriatus</i>																				+
<i>Acacia hebeclada</i> subsp. <i>hebeclada</i>											r									
<i>Searsia lancea</i>																				+
<i>Berkheya</i> sp.			r								r									
<i>Opuntia ficus-indica</i> *					r					r										
<i>Pentarrhinum inspidum</i>					r					r					r					
<i>Solanum elaeagnifolium</i> *				r												r				
<i>Enneapogon scoparius</i>	+																			
<i>Ehretia rigida</i> subsp. <i>nervifolia</i>		r					r		r							r				r
<i>Searsia leptodictya</i> forma <i>leptodictya</i>						r			r						r					
<i>Oxalis corniculata</i> *																r				r
<i>Teucrium trifidum</i>															r		r			
<i>Eragrostis gummiflua</i>																			r	
<i>Hermannia depressa</i>																				r
<i>Sonchus nanus</i>																				r
<i>Tephrosia capensis</i> var. <i>angustifolia</i>																				r
<i>Felicia filifolia</i> subsp. <i>filifolia</i>																			r	
<i>Gnidia capitata</i>																				r

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