

ISM - WAGENINGEN
country :
subject :
scale :
map ref : Z 70.02
br. ref : AF 11/18 1971



Geographicals are not given on these sheets as they are uncontrolled sketch maps. The above index indicates their position in relation to the standard 1/4° sheet system shown in grey.

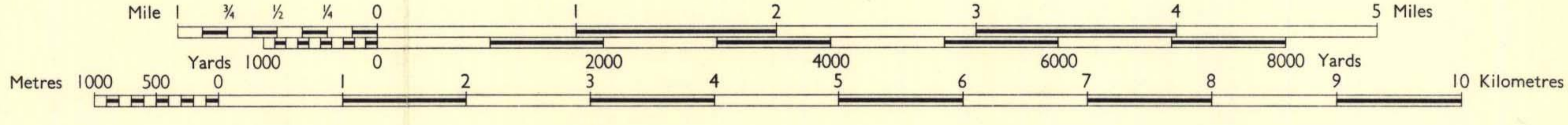
D.O.S. (L.R.)3029A
First Edition - D.O.S.
Published by Directorate of Overseas Surveys
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Prepared by the British Government's
Ministry of Overseas Development
(Directorate of Overseas Surveys)
under the Special Commonwealth African
Assistance Plan.
Drawn and photographed by D.O.S. 1965
from base map and specialist material
supplied by W.C. Verboom, Ecologist,
Ministry of Agriculture, Zambia, 1964.

This map accompanies the report on
The Barotseland Ecological Survey
1964 by W.C. Verboom.

Scale 1:50,000

Printed for D.O.S. by the Ordnance Survey.
1100/41 65/3186/03



SYMBOL	LOCAL NAME	TOPOGRAPHICAL POSITION	SOIL			VEGETATION				FERTILITY STATUS	TIME OF GRAZING	CARRYING CAPACITY	ACREAGE	REMARKS
			% ORGANIC CARBON	% TOTAL NITROGEN	TYPE	GRASSES AND SEDGES	CRUDE PROTEIN %	TREES AND SHRUBS	CRUDE PROTEIN %					
1	Mulapo	Recent river bed	2.05	0.148	Sandy clay to clay	Vossia cuspidata Echinochloa stagnina Sociolopha africana Oryza perennis Lernaea haasandra Acroceras macrum Panicum repens Pycnosia mundtii (sedge) Diplachne fusca (sals) Paspalum commersonii Hemarthria altissima Digitaria abyssinica	3.6-14.6 2.9 5.4 4.3 7.5 6.2	Aeschynomene filutans (leg. pal.)	14.8-26.6	Eutrophe	Late winter	8	2818	Dose for Liverfluke and worms Improve water supply
2	Wet plain Litongo	Old river course	1.38	0.132	Loamy sand	Themeda triandra Setaria sphacelata Trachypogon spicatus Brachiaria nigropedata Andropogon huillensis Eragrostis lappula Rendelia pseudo-harpachloa	4.9	Sesbania microphylla Aeschynomene indica Indigofera microcalyx	4.7	Mesotrophe	Early winter	12	39769	Improve water supply Dose
3	Sikanda	Old lake shore Bush groups	0.91	0.170	Sandy loam	Chloris gayana } on ant Cynodon dactylon } hills Sporobolus spicatus } hollows Sporobolus subtilis Eragrostis lappula		Rhynchosia subulata (leg. pal.) Rhynchosia venulosa Ptilostigma thonningii Acacia giraffae Acacia sieberana Lonchocarpus capassa Sansevieria desertii Capparis tomentosa	10.3	Mesotrophe	Summer (rains)	8	19444	
T1	Saana	Sub terrace 1 Dry plain Litongo	0.36	0.029	Loose sand	Apocheate hispida Loudelia simplex Diheteropogon grandiflorus Rytidosperma rotundifolius Elyonurus argenteus Schizachyrium jeffreysii Brachiaria dura Aristida atroviolacea		Parinari capensis Strychnum huillense Annona stenophylla (-A.nana) Lannea gossweileri Eugenia angolensis Haplotipula eglandulosa Ochna spp.		Oligotrophe	Midwinter July/Sept. after burns	40	24328	Improve water supply
T2	Luhunono	Sub terrace 2 Lake basin	0.64	0.028	Loose sand	Aristida gracilliflora Loudelia lanata Digitaria milanjana Brachiaria dura Apocheate hispida Digitaria perrottetii	6.3-7.5	Terminalia sericea Burkea africana Diplorhynchus condylocarpon		Oligotrophe	Summer (rains)	50	9013	
T3	Lishina Transparent Woodland	Sub terrace 3 Lake basin	0.90	0.049	Loose sand	Aristida gracilliflora Loudelia lanata Digitaria milanjana Brachiaria dura Schizachyrium jeffreysii Eragrostis tremula		Burkea africana Diplorhynchus condylocarpon Combretum imberbe Terminalia sericea		Oligotrophe	Summer (rains)	50	Absent from Matabele Plain	
4	Lizulu	River levees	1.06	0.094	Sandy loam	Cynodon dactylon Chloris gayana Eragrostis lappula Setaria anceps Panicum maximum		Parinari curatellifolia Ptilostigma thonningii Guibourtia coleosperma Lonchocarpus capassa Albizia antunesiana Acacia albibata Acacia giraffae Phoenix reclinata Hyphaene ventricosa	6.4	Mesotrophe	Late summer May and October during rains if not cultivated	12	4811	
5	Mutemwa	Lacustrine dune	0.68	0.038	Loose sand	Schizachyrium jeffreysii Leptocarydium vulpiatum Digitaria perrottetii Aristida gracilliflora Brachiaria dura Eragrostis tremula		Pterocarpus angolensis Burkea africana Guibourtia coleosperma Baikiasa plurijuga Ricinodendron rutanenii Brachystegia spiciformis Erythrophloeum africanum Swartzia madagascariensis	7.0	Oligotrophe	Rains	40	43866	
6	Mutemwa Mshitu	Warp cap Soil partly from Karroo sandstone	1.02	0.077	Loamy sand	Digitaria milanjana Andropogon gayanus Hyperthemia dissecta Brachiaria brizantha Panicum maximum Tristachya superba		Baikiasa plurijuga Entandrophragm caudatum Combretum spp. Baphia obovata Baobab macrantha Grewia spp. Popowia obovata		Oligotrophe	Rains	50	27414	
												TOTAL ACRES	171463	

* Equivalent ecological unit as shown on D.O.S. Map 3012 (1/1,000,000 Vegetation Soil Map of N. Rhodesia by C. G. Trapnell).
Village Road Footpath