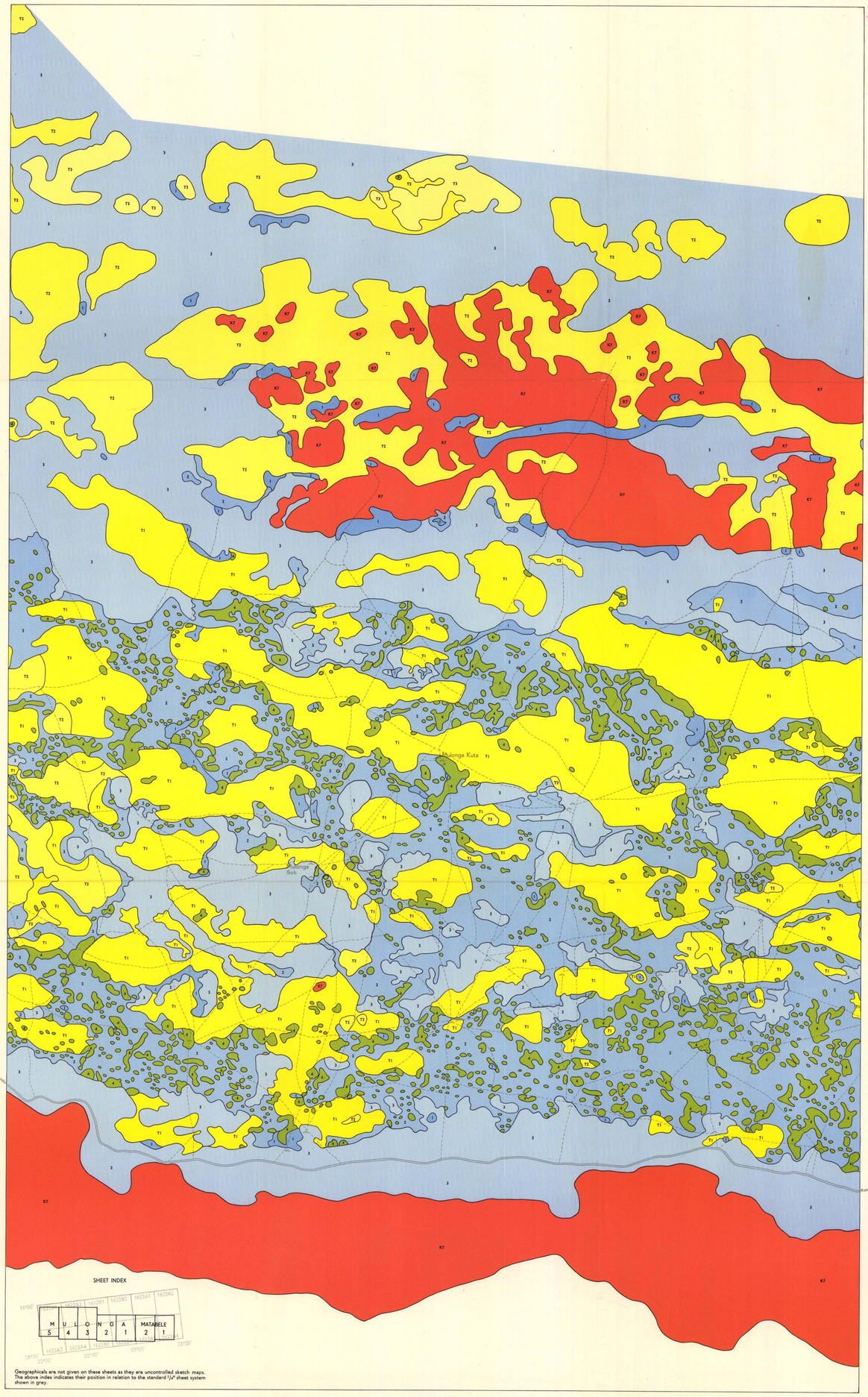
The Netherlands
subject :
scale :
map ref.: 27 70.02
libr. ref. :

THE REPUBLIC OF ZAMBIA
1: 50,000 (Approx) SKETCH MAP

MULONGA PLAIN ECOLOGICAL SURVEY

SHEET 3



SHEET INDEX

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.

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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

Mile 1 ¾ ½ ¼ 0 1 2 3 4 5 Miles
Yards 1000 0 2000 4000 6000 8000 Yards
Metres 1000 500 0 1 2 3 4 5 6 7 8 9 10 Kilometres

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SYMBOL	LOCAL NAME	TOPOGRAPHICAL POSITION	SOIL: % ORGANIC CARBON	SOIL: % TOTAL NITROGEN	SOIL: TYPE	VEGETATION: GRASSES AND SEDGES	CRUDE PROTEIN %	TREES AND SHRUBS	CRUDE PROTEIN %	FERTILITY STATUS	TIME OF GRAZING	CARRYING CAPACITY	ACREAGE	REMARKS
1 Trapnell* SS-1	Mulapo	Recent river bed	2.00	0.168	Sandy clay to clay	Vossia cuspidata Schinochloa stagnina Cynodon dactylon Oryza perennis Leersia hexandra Acroceras macrum Panicum repens Cyperus articulatus (sedge) Diplachne fusca (salt) Paspalum commersonii Hemarthria altissima Digitaria abyssinica	3.6-14.6 2.9 4.3 6.2 7.5 6.2 11.6 2.8	Aeschynomene fistitans (leg. pal.)	14.8-26.6	Eutrophe	Late winter	8	8237	Dose for Liverfluke and worms Improve water supply
2 Trapnell* SS-2	West plain Lisongo	Old river course	1.38	0.132	Loamy sand	Themeda triandra Setaria sphacelata Brachiaria serrata Eragrostis chalcedona Andropogon huillensis Eragrostis lappula Rendlia pseudo-herpochloa	4.9	Sesbania microphylla Aeschynomene indica Indigofera microcalyx	4.7	Mesotrophe	Early winter	12	121217	Improve water supply Dose
3 Trapnell* SS-3	Sikanda	Old lake shore Bush groups	0.91	0.780	Sandy loam	Chloris gayana Cynodon dactylon Panicum repens Sporobolus spicatus Eragrostis chalcedona Eragrostis lappula	on ant hills in hollows	Rhynchosia sublutea(leg.pal.) Rhynchosia venulosa Pillostigma thonningii Acacia giraffae Acacia nilotica Lonchocarpus capassa Sanevieria dessetii Capparis tomentosa	10.3	Mesotrophe	Summer (rains)	8	182435	
T1 Trapnell* SK-4	Seana Dry plain Lisongo	Sub terrace 1 Lake basin Suffrutex savanah	0.36	0.029	Loose sand	Apocthosta hispida Loudetia simplex Dimeriaornogin gnaviflorus Aristida meridionalis Elionurus argenteus Schizachyrium jeffreysii Digitaria dura Aristida scrotinacea		Parinari capensis Strychlum huillense Annona senenophila(=Anona) Ficus ingensmodesta Eugenia angolensis Hagnistopsis eglandulosa Ochna spp.		Oligotrophe	Midwinter July/Sept. after burns	40	103943	Improve water supply
T2 Trapnell* SK-5	Luhunono	Sub terrace 2 Lake basin	0.64	0.028	Loose sand	Aristida gracilifiora Aristida meridionalis Eragrostis chalcedona Brachiaria dura Apocthosta hispida Digitaria parviseteti	6.3-7.5	Terminalia sericea Burkea africana Diplorrynchus condylocarpon		Oligotrophe	Summer (rains)	50	58080	
T3 Trapnell* K8	Lishina Transgwani Woodland	Sub terrace 3 Lake basin	0.90	0.049	Loose sand	Aristida gracilifiora Loudetia lanata Digitaria milanjana Eragrostis tenuis Schizachyrium jeffreysii Eragrostis tremula		Burkea africana Diplorrynchus condylocarpon Combretum imberbe Terminalia sericea		Oligotrophe	Summer (rains)	50	11653	
4 Trapnell* SS-6	Litulu	River levee	1.06	0.096	Sandy loam	Cynodon dactylon Chloris gayana Eragrostis lappula Setaria anceps Panicum maximum		Parinari curatellifolia Pillostigma thonningii Guibourtia coleosperma Lonchocarpus capassa Acacia albida Acacia albida Acacia giraffae Phoenix reclinata Hyphaene ventricosa	6.4 11.5 10.6	Mesotrophe	Late summer Map and October during rains If not pol-sivated	12	25964	
K7 Trapnell* K7	Mutemwa	Lacustrine dune	0.68	0.036	Loose sand	Schizachyrium jeffreysii Leptocarydion vulpinastrum Digitaria dura Aristida gracilifiora Brachiaria dura Eragrostis tremula		Pterocarpus angolensis Pterocarpus anunensi Baikiaea multijuga Baikiaea plurijuga Ricinodendron rautanenii Brachystegia spiciformis Erythrophleum africanum Swartzia madagascariensis	7.0	Oligotrophe	Rains	40	167259	
K6 Trapnell* K6	Mutemwa Mushitu	Warp cap Soil partly from Karroo sandstone	1.02	0.077	Loamy sand	Digitaria milanjana Andropogon gayanus Hyparrhenia dissoluta Brachiaria brizantha Panicum maximum Tristachya superba		Baikiaea plurijuga Pterocarpus angolensis Combretum spp. Baphia obovata Bauhinia macrantha Grewia spp. Peponia obovata	Mutemwa thicket spp.	Oligotrophe	Rains	50	Absent from Mulonga Plain	
													TOTAL ACRES 682768	

* 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 — — — — — —

Copies of the Report containing the maps are obtainable from the Government Printer, Lusaka, Zambia.