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

MULONGA PLAIN ECOLOGICAL SURVEY

ISRIC
P.O. Box 353
6700 AJ Wageningen
The Netherlands

subject :
scale :
map ref.: ZM. 70.02
libr. ref.: ~~AF4. 19-2~~
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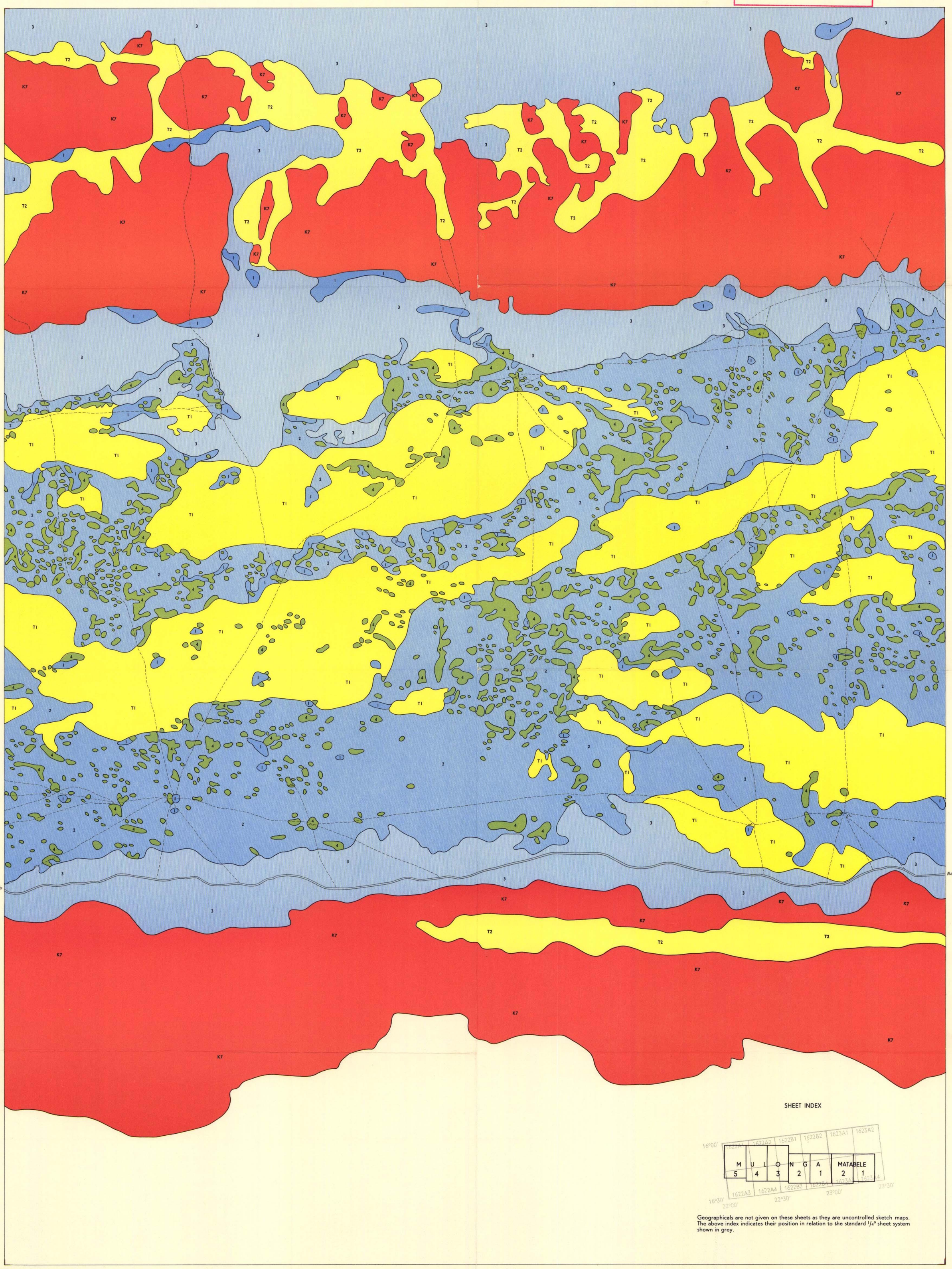
SHEET 1



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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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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1,100/7/66/3209/OS

SYMBOL	LOCAL NAME	TOPOGRAPHICAL POSITION	SOIL: % ORGANIC CARBON	SOIL: % TOTAL NITROGEN	SOIL: TYPE	VEGETATION: GRASSES AND SEDGES	VEGETATION: CRUDE PROTEIN %	VEGETATION: TREES AND SHRUBS	VEGETATION: CRUDE PROTEIN %	FERTILITY STATUS	TIME OF GRAZING	CARRYING CAPACITY	ACREAGE	REMARKS
1 Trapnell* S5-1	Mulapo	Recent river bed	2.05	0.148	Sandy clay to clay	Vossia cuspidata Echinochloa stagnina Sacciolepis africana Oryza perennis Leersia hexandra Acroceras macrum Panicum repens Pycreus mundtii (sedge) Diplachne fusca (salt) Paspalum commersonii Hemarthria altissima Digitaria abyssinica	3.6-14.6 2.9 5.4 4.3 7.5 6.2 11.6 2.5	Aeschynomene fluitans (leg. pal.)	14.8-26.6	Eutrophe	Late winter	8	8237	Dose for Liverfluke and worms Improve water supply
2 Trapnell* S5-2	Wet plain Litongo	Old river course	1.38	0.132	Loamy sand	Themeda triandra Setaria sphacelata Trachypogon spicatus Brachiaria nigropedata Andropogon huillensis Eragrostis lappula Rendlia pseudo-harpochloa	4.9	Sesbania microphylla Aeschynomeme indica Indigofera microcalyx	4.7	Mesotrophe	Early winter	12	121217	Improve water supply Dose
3 Trapnell* SK-3	Sikanda	Old lake shore Bush groups	0.91	0.780	Sandy loam	Chloris gayana) on ant Cynodon dactylon) hills Panicum repens) in Sporobolus spicatus) hollows Sporobolus subtilis Eragrostis lappula		Rhynchosia subulata (leg. pal.) Rhynchosia venulosa Piliostigma thonningii Acacia giraffae Acacia sieberana Lonchocarpus capassa Sansevieria desertii Capparis tomentosa	10.3	Mesotrophe	Summer (rains)	8	182435	
T1 Trapnell* SK-4	Saana Dry plain Litongo	Sub terrace 1 Lake basin Suffrutex savanah	0.36	0.029	Loose sand	Apocheate hispida Loudetia simplex Diheteropogon grandiflorus Rytachne rottboellioides Elionurus argenteus Schizachyrium jeffreysii Brachiaria dura Aristida atroviolacea		Parinari capensis Syzygium huillense Annona stenophylla (=A.nana) Lannea gosweileri Eugenia angolensis Magnistipula eglandulosa Ochna spp.		Oligothrope	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 gracliflora Aristida meridionalis Tristachya superba Brachiaria dura Apocheate hispida Digitaria perrottetii	6.3-7.5	Terminalia sericea Burkea africana Diplorynchus condylocarpon		Oligothrope	Summer (rains)	50	58080	
T3 Trapnell* K8	Lishina Transparent Woodland	Sub terrace 3 Lake basin	0.90	0.049	Loose sand	Aristida gracliflora Loudetia lanata Digitaria milanjeana Brachiaria dura Schizachryrium jeffreysii Eragrostis tremula		Burkea africana Diplorynchus condylocarpon Combretum imberbe Terminalia sericea		Oligothrope	Summer (rains)	50	11653	
4 Trapnell* S5-4	Lizulu	River levee	1.06	0.094	Sandy loam	Cynodon dactylon Chloris gayana Eragrostis lappula Setaria anceps Panicum maximum		Parinari curatellifolia Piliostigma thonningii Guibourtia coleosperma Lonchocarpus capassa Albizia antunesiana Acacia albida Acacia giraffae Phoenix reclinata Hyphaene ventricosa	6.4 11.5 15.6	Mesothrope	Late summer May and October during rains if not cultivated	12	29944	
K7 Trapnell* K7	Mutemwa	Lacustrine dune	0.68	0.038	Loose sand	Schizachryrium jeffreysii Leptocarydion vulpiastrum Digitaria perrottetii Aristida gracliflora Brachiaria dura Eragrostis tremula		Pterocarpus angolensis Pterocarpus antunesii Guibourtia coleosperma Baikiaea plurijuga Ricinodendron rautanenii Brachystegia spiciformis Erythrophleum africanum Swartzia madagascariensis	7.0	Oligothrope	Rains	40	167259	
K6 Trapnell* K6	Mutemwa Mushitu	Warp cap Soil partly from Karroo sandstone	1.02	0.077	Loamy sand	Digitaria milanjeana Andropogon gayanus Hyparrhenia dissoluta Brachiaria brizantha Panicum maximum Tristachya superba		Baikiaea plurijuga Entandrophragma caudatum Combretum spp.) Baphia obovata)Mutemwa Bauhinia macrantha)thicket Grewia spp.)spp. Popowia obovata)		Oligothrope	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.