ISNAR
P.O. Box 963
6700 AJ Wageningen
The Netherlands

ISM - WAGENINGEN
country :
subject :
scale :
map ref. :
libr. ref. : 8 P E 3 2

SMITH SOUND
NYAMAINZE
BUSONGO
MABUKI
NGUDU
MALYA
MALAMPAKA
NYALIKUNGU (MASWA)
MWAMAPALALA
MASANWA
SEKE
BUSWIGE
IDUKIRO
LALAGO
MWANYAHINA
PAJI
MHINGU
GOLWA
NUNDU
NINDO
MONDO
MAINI
BUSUNGO
LSABUKANDE
OLD SHINYANGA
MAGANZO
MHUNZE GINNERY
KISHAPU
SHINYANGA
KISHAPU
MWAMASHELE
TWANGI
NEGEZI
MWAMALASA
KAHAMA
SANGILWA
ISAGEHE
SAMUYE
IKONDA
MWAMALOLE
LAKE KITANGIRI

flat alluvial plains (clayey soils) and sloping valleys (clayey or sandy soils)
undulating areas with non-alluvial soils, ranging from loamy sand to sandy clayey loam
rocky areas with abundant outcrops

NOTE: The gradual change into a more dense drainage pattern which prevails between East Shinyanga and Bariadi Districts in south-north direction is continued northwards to such a degree that mapping of the land types differentiated in the remainder of Bariadi and Maswa Districts is prohibited by the scale of the map.

Compiled from: Geological maps scale 1 : 250,000, sheet 50 (Itoni-Kimale); 35 (Malyal and 36 (Bumeral scale 1 : 250,000, sheet 17 (Kahama) and 18 (Shinyanga).
NEDECO map 3.14.04.03-03 and 04 and aerial photographs

Base map compiled from: Topographical maps : scale 1 : 50,000 Sheets 47/2 4; 48/1-4; 49/1-4; 64/1-4 (1971); scale 1 : 125,000 Sheets SA 36 O/IV (1948); SA 36 P/III (1960); SA 36 P/IV (1950); SA 36 U/II (1954); SB 36 C/II (1948); SB 36 D/I (1950); SB 36 D/II (1955); SB 36 E/I (1948); scale 1 : 250,000 Shinyanga District, second edition (1960). Print layDowns scale approximately 1 : 125,000 Sheet 66/1-4 (1964).
Grid system references: equator for latitude, 33° E.L. = 500,000 for longitude; values indicated in metres.

main roads
all weather roads
dry weather roads
railways
rivers
lakes
regional boundaries
district boundaries
divisional boundaries
towns
concentrated settlements with probable population of 400 or more in 1972
scattered settlements and all settlements with probable population of less than 400 in 1972
gazetted areas
contours, elevation in metres
approximate contours, elevation in feet

SHINYANGA WATER SUPPLY SURVEY

UNITED REPUBLIC OF TANZANIA KINGDOM OF THE NETHERLANDS

NEDECO
NETHERLANDS ENGINEERING CONSULTANTS
in co-operation with
DHV CONSULTING ENGINEERS
AMERSFOORT THE NETHERLANDS
ILACO INTERNATIONAL LAND DEVELOPMENT CONSULTANTS
ARNHEM THE NETHERLANDS

SHINYANGA AND MASWA DISTRICTS
PHYSIOGRAPHIC MAP

drawn	date	checked	revised	scale 1:250,000	
J.v.d. Grift	JULY 1974			0 10 km	3.14.04.07-02