One second of longitude equals 30.41m

HYDROGRAPHIC DATUM ..... MEAN LOW WATER

Depth curve (meters)
Foreshore flats
Rocks awash; Reef
Wreck: Exposed; Sunken with masts exposed
Wharf, pier
Seawall
Oil/gas platform

GULF OF ADEN

BANNAANKA NASIYE

BANNAANKA GARAN

BANNAANKA BABÁ

BUURAHA MARSIN

BUURAHA HAGABO

BUURAHA DUBIND

Garbadiir

Raastamar
Dekad
Lighthouse
Berbera 74 km
Berbera 3.5 km
Berbera Hard surface 30
Berbera
Jiifto
Kaawo
Daragodle
Xamaas
Laasoo Dawaco
Gudweyn
Dabsen
Kalgodax
Custaale
Kalgorex
Kalingeel
Aroweina
Dering-Galol
Kalin Dhiddin
Kalin Hodai
Barka Maqay
Adad
Gudweyn
Mirich
Ohaabo
Xarmaas
Xamaas
Xoreeyo
Laferuug
Santaalq
Sayane
Daragodle
Barka Yar
Barka Weyn
Geeri
Baidayaale
Deegh Urisan
Far Shabeel
Banka Sarar-Awr
Bouldkam 41 km
Bouldkam 20 km
Smley 35 km
HARGEYSA 82 km.
HARGEYSA 101 km.

One second of longitude equals 30.46m
One second of latitude equals 30.72m

Scale 1:100,000

1 0 1 2 3 4 5 6 7 8 9 10 Kilometers
1 0 1 2 3 4 5 6 7 Statute Miles
1 0 1 2 3 4 5 6 Nautical Miles

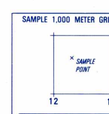
ELEVATIONS IN METERS

CONTOUR INTERVAL 40 METERS
SUPPLEMENTARY CONTOURS 20 METERS

ELLIPSOID ..... WORLD GEODETIC SYSTEM 72 (WGS 84 VALIDATED)
GRID ..... 1,000 METER UTM ZONE 38
PROJECTION ..... TRANSVERSE MERCATOR
VERTICAL DATUM ..... MEAN SEA LEVEL AT MOGADISHU
HORIZONTAL DATUM ..... WORLD GEODETIC SYSTEM 72
Printed by ..... NIMA 12-01

COORDINATE CONVERSIONS WGS 72 TO WGS 84
Grid: Add 17m.E.; Add 5m.N.
Geographic: Add 0.6" Long.; Add 0.1" Lat.

SAMPLE 1,000 METER GRID SQUARE



100,000 M. SQUARE IDENTIFICATION
MS
GRID ZONE DESIGNATION
38P

100 METER REFERENCE

1. Read large numbers labeling the VERTICAL grid line left of point and estimate tenths (100 meters) from grid line to point. 12 3
2. Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point. 45 6

Example: 123456

WHEN REPORTING ACROSS A 100,000 METER LINE, PREFIX THE 100,000 METER SQUARE IDENTIFICATION IN WHICH THE POINT LIES.

Example: MS123456

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION.

Example: 38PMS123456

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA OPERATIONAL HELP DESK: 1-800-455-0899; COMMERCIAL 314-263-4864; DSN 693-4864; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN.: ES, MAIL STOP L-88, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

GRID CONVERGENCE 0°03' (1 MIL) FOR CENTER OF SHEET

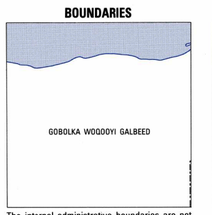
GN — TRUE NORTH — 1985 G-M ANGLE 1° (20 MILS) — GRID NORTH — MAGNETIC NORTH

TO CONVERT A MAGNETIC AZIMUTH TO A GRID AZIMUTH ADD G-M ANGLE

TO CONVERT A GRID AZIMUTH TO A MAGNETIC AZIMUTH SUBTRACT G-M ANGLE

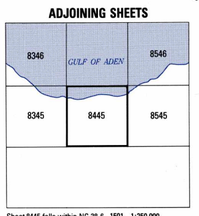
THIS MAP IS RED-LIGHT READABLE

BOUNDARIES



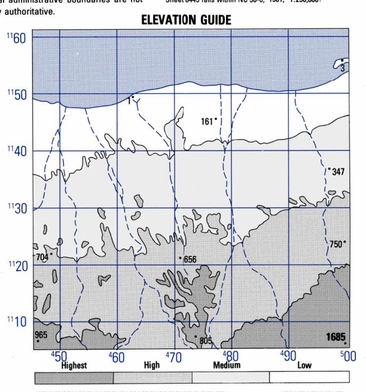
The internal administrative boundaries are not necessarily authoritative.

ADJOINING SHEETS



Sheet 8445 falls within NC 38-6, 1501, 1:250,000.

ELEVATION GUIDE



Prepared and published by the Defense Mapping Agency Hydrographic/Topographic Center, Washington, D.C.

LEGEND

POPULATED PLACES
Densely built-up areas
Sparsely to moderately built-up areas

ROADS
Divided highway
All weather, hard surface, two or more lanes wide (1 3 LANES)
one lane wide
All weather, loose surface, two or more lanes wide (1 3 LANES)
one lane wide
Fair or dry weather, loose surface
Track; Trail
Route marker: National (5)

RAILROADS — Single track — Double track
Normal gauge
Narrow gauge
Dismantled railroad
Railroad station

BOUNDARIES
International
First-order administrative division (Gobolka)

MISCELLANEOUS CULTURAL FEATURES
Building; Hut
Church; Mosque
Synagogue; Temple
Shrine; Cemetery
Mine; Tank
Dam: Masonry; Earthen
Pipeline: Above ground; Below ground
Bridge: Road; Railroad
Area name (GUUD XAAD)
Spot elevation: Highest; Normal (*828 '413)

AERONAUTICAL DATA — Single — Group
Tall object, less than 61m. high
Obstruction, 61m. or higher
Power line
Airfield: More than 800m. long; Less than 800m. long
Heliport (H)

DRAINAGE — Perennial — Intermittent
Streams: Less than 50m. wide; Over 50m. wide
Ditches: Perennial, less than 25m. wide; Perennial, over 25m. wide
Spring: Perennial; Intermittent
Well: Perennial; Intermittent
Dissipating stream; Sabkha
Salt evaporator; Wet sand, Dry lake
Intermittent lake; Land subject to natural inundation
Swamp; Rice

RELIEF
Depression
Escarpment: Greater height than contour interval; Less height than contour interval
Levee; Levee carrying road

Cultivated land; Sand	NONE	
Gravel; Distorted surface	NONE	NONE
Ripple dunes; Transverse dunes	NONE	NONE
Crescent dunes; Lateral dunes	NONE	NONE
VEGETATION		
Woodland; Scrub		
Orchard; Vineyard	NONE	NONE

NOTES

COMPILED IN 1989 FROM BEST AVAILABLE SOURCES.

A LANE ON THIS MAP IS CONSIDERED TO BE 3.0 METERS (10 FEET) WIDE.

GLOSSARY

Banka	plain
Bannaanka	plains
Buuraha	hill, mountain ridge
Dekad	port, dock
Kaawo	quarry
Raas	cape

CONVERSION GRAPH

(1 meter = 3.28 feet)

Meters	Feet	Meters	Feet	Meters	Feet
600	1900	1200	3900	1700	5500
500	1800	1100	3600	1600	5400
400	1700	1000	3500	1500	5200
300	1600	900	3400	1400	5100
200	1500	800	3300	1300	5000
100	1400	700	3200	1200	4900
0	1300	600	3100		4800
	1200		3000		4700
	1100		2900		4600
	1000		2800		4500
	900		2700		4400
	800		2600		4300
	700		2500		4200
	600		2400		4100
	500		2300		4000
	400		2200		
	300		2100		
	200		2000		
	100				
	0				

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