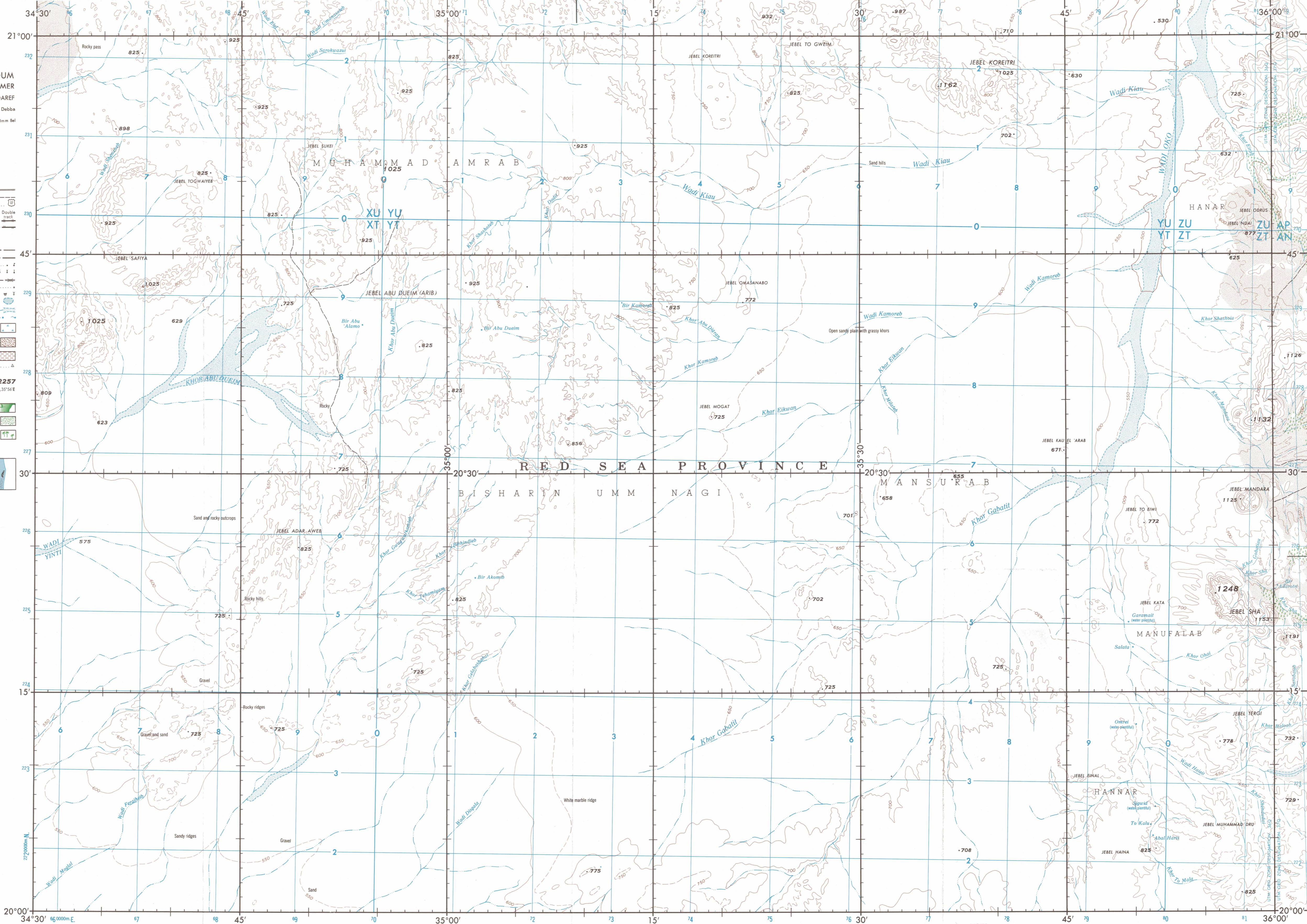


SERIES 1501
SHEET NF 36-16
EDITION 1

- POPULATED PLACES
- 1st importance KHARTOUM
 - 2nd importance ED DAMER
 - 3rd importance GEDAREF
 - 4th importance Ed Debbā
 - 5th importance Umm Bel
- ROADS
- All weather, hard surface
 - Two or more lanes
 - One lane
 - All weather, loose or light surface
 - Two or more lanes
 - One lane
 - Fair or dry weather, loose surface
 - Track or trail
 - National route marker
- RAILROADS
- Normal gauge 1.07 m (3'6")
 - Narrow gauge
- BOUNDARIES
- International
 - Primary administrative
 - Administrative
 - Building or landmark feature, School
 - Church, Mosque, Synagogue
 - Mine, Wall, Bridge
 - Ruin
 - Temple, Tomb
 - Interment lake
 - Wadi, Wadi spread
 - Wadi, Spring
 - Marsh or swamp, Rice paddy
 - Sand, Distorted surface
 - Mudpan
 - Horizontal control point
- TERRAIN ELEVATIONS
- Spot elevation, normal, critical
 - HIGHEST KNOWN elevation = 1248 meters at 20°22'N, 35°56'E
- VEGETATION
- Woods
 - Orchard, Vineyard, Scrub
 - Trees, Scattered, Palm
- HYDROGRAPHY
- Rocks, Awash, Sunken
 - Wrecks, Exposed, Sunken
 - Limit of danger, Reef
 - Foreshore flat
 - Depth curves



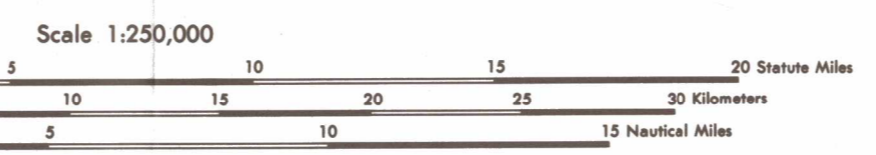
MAGNETIC VARIATION FOR 1975 IS 1° 10' (20 MILS) EASTERLY OVER THE ENTIRE AREA.



Prepared and published by the Defense Mapping Agency
Topographic Center, Washington, D. C. Compiled
August 1974.

THIS GRAPHIC SUPERSEDES SERIES Y502, NF 36-16

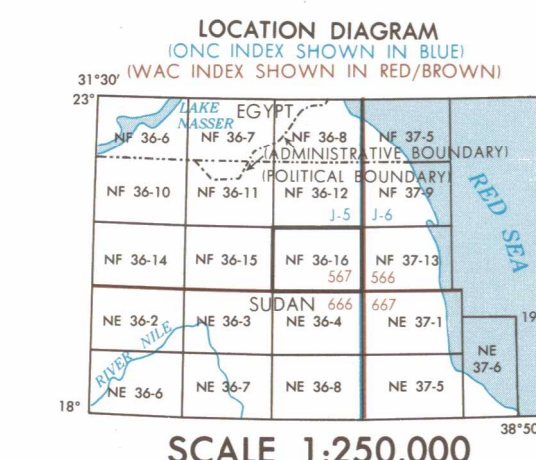
JOINT OPERATIONS GRAPHIC



CONTOUR INTERVAL 100 METERS WITH
SUPPLEMENTARY CONTOURS AT 50-METER INTERVALS

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID ZONE 36, CLARKE 1880 SPHEROID.

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-456-0899; COMMERCIAL: 314-290-5032; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: CDD, MAIL STOP P-37, 4800 SANGAMORE ROAD, BELTHERS, MD 20718-1003



SCALE 1:250,000
JEBEL ABU DUEIM (ARIB), SUDAN

SERIES 1501
SHEET NF 36-16
EDITION 1

CONVERSION OF ELEVATIONS

METERS	FEET	METERS	FEET
1000	3281	10000	32808
900	2953	9000	29528
800	2625	8000	26247
700	2297	7000	22966
600	1969	6000	19685
500	1640	5000	16404
400	1312	4000	13123
300	984	3000	9842
200	656	2000	6561
150	492	1500	4921
100	328	1000	3281

EXAMPLE 10,000 METER GRID SQUARE

100,000 M. SQUARE IDENTIFICATION

See Body of Map

GRID ZONE DESIGNATION: 36Q

SAMPLE 1,000 METER REFERENCE

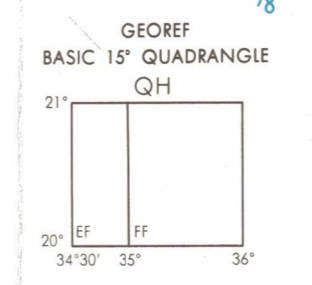
- Read large number labeling the 100,000 meter square in which the point lies. Example: AB
- Read large number labeling the VERTICAL grid line left of point. Estimate tenths (1,000 meters) from grid line to point. Example: 1
- Read large number labeling the HORIZONTAL grid line below point. Estimate tenths (1,000 meters) from grid line to point. Example: 3

Example: AB1234

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION. Example: 36QAB1234

GLOSSARY

Bir	well
Jebel	mountain, hill
Khor	wadi
To	well
Wadi	wadi



RELIABILITY OF THIS GRAPHIC
Compiled from best available source materials

Horizontal Datum: Adindan Datum
Vertical Datum: Mean Sea Level
Transverse Mercator Projection

NOTES
No obstructions 61 meters or more above ground level are known to exist in this area.
Alignment of all boundaries is approximate.

The accuracy of all elevations shown on the graphic is not within 30 meters.
THIS GRAPHIC IS NOT AN AUTHORITY ON INTERNATIONAL BOUNDARIES.

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