

SERIES 1501 AIR SHEET NH 33-8 EDITION 3

- POPULATED PLACES**
- Over 100,000
 - 50,000 to 100,000
 - 10,000 to 50,000
 - 2,000 to 10,000
 - Less than 2,000
- ROADS**
- 4 LANE DUAL
 - All weather, hard surface
 - More than two lanes wide
 - Two lanes wide
 - One lane wide
 - All weather, loose or light surface
 - More than two lanes wide
 - Two lanes wide
 - One lane wide
 - Fair or dry weather, loose surface
 - Cart track
 - Footpath, trail
 - Route marker
- RAILROADS**
- Normal gauge, 35m (31.5")
 - Single track
 - Multiple track
 - Narrow gauge
 - Station: Position known, Position unknown

- BOUNDARIES**
- International
 - First order administrative division
- OTHER FEATURES**
- Area Name
 - Mine or quarry
 - Hut, kral, landmark feature
 - School, Church, Mosque
 - Well (other than water), Tank
 - Well, Perennial, Intermittent
 - Spring, fountain or cistern
 - Underground aqueduct with shafts, Sabkha (Kaw)
 - Wadi, Intermittent lake
 - Marsh or swamp, Land subject to inundation
 - Mound, Levee
 - Distorted surface, Sand
 - Dunes, Ripple, Crescent, Lateral
 - Horizontal control point

- VEGETATION**
- Woods, Scattered trees (none shown)
 - Orchard, plantations, vineyards
- TERRAIN ELEVATIONS**
- Spot elevation, normal, critical
 - HIGHEST KNOWN elevation is 1250 feet on the following coordinates: 30°03'N, 16°31'E
 - Grid
 - Elevation value indicates accuracy is not within 100 feet

- HYDROGRAPHY**
- Rocks, wash
 - Exposed wreck
 - Limit of danger, Reef
 - Foreshore flat
 - Depth curve

- AERODROMES (Military or Civil)**
- Runway pattern known
 - EDNA-Name
 - 50-Length of longest runway to nearest hundreds of feet
 - Soil or unimproved surface
 - Unknown surface
 - 725-Elevation
 - Runway pattern unknown

- HELIPORT/HELIPAD**
- HELIPORT/HELIPAD AT HOSPITAL
 - RADIO AIDS TO NAVIGATION
 - VHF OMNI RANGE (VOR)
 - VORTAC
 - TACAN
 - VOR with DME
 - Other facilities

- RADIO FACILITIES**
- RADIO RANGE LF/MF
 - MULTIPLE RADIO FACILITIES
 - CONTROLLED AIRSPACE
 - AZID

- VISUAL AIDS AND OBSTRUCTIONS**
- Obstruction
 - 1100-Elevation of obstruction top, above sea level
 - (250)-Elevation of obstruction top, above ground level
 - Group obstruction
 - Radio facility obstruction
 - Power transmission line
 - Visual ground sign
 - Aero light, Marine light

- CAUTION**
- AIR INFORMATION CURRENT THROUGH**
31 MAY 1988
- Consult NOTAMS and Flight Information Publications for the latest information; the DOD Aeronautical Chart (Updating Manual or NOTIS); and Aeronautical Chart Amendment documents for other chart revision information.

- MAGNETIC VARIATION FOR 1985 IS APPROXIMATELY**
1/2 EAST OVER THE ENTIRE AREA.
- (Annual rate of change 7 minutes increase)

- ATTENTION**
- THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)**
- The Maximum Elevation Figures shown in quadrangles bounded by solid lines of latitude and longitude are represented by THOUSANDS OF FEET ABOVE MEAN SEA LEVEL. The MEF is based on information available concerning the highest known feature in each quadrangle, including terrain and obstructions (towers, towers, antennas, etc.).
- EXAMPLE: 1250 feet

LOCATION DIAGRAM

GRID INDEX SQUARE IN BLUE (MAG INDEX SQUARE IN RED/BROWN)

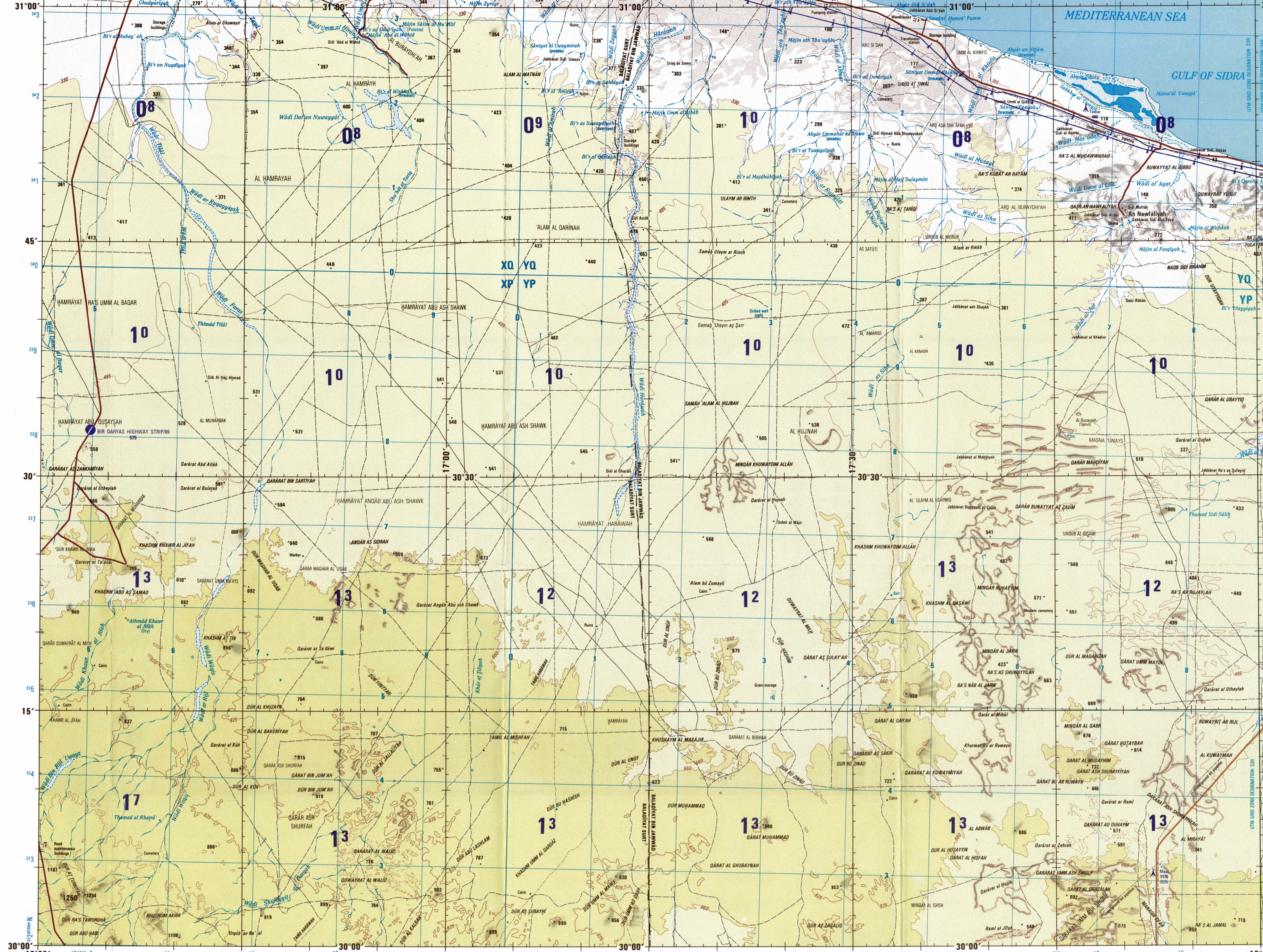
33-20	33-21	33-22	33-23	33-24	33-25	33-26
NH 33-14	NH 33-15	NH 33-16	NH 33-17	NH 33-18	NH 33-19	NH 33-20

CONVERSION OF ELEVATIONS

FEET	METERS	FEET	METERS
1000	305	10000	3048
900	274	9000	2743
800	244	8000	2438
700	213	7000	2134
600	183	6000	1829
500	152	5000	1524
400	122	4000	1219
300	91	3000	914
200	61	2000	610
150	46	1500	457
100	31	1000	305

SCALE 1:250,000
AN NAWFALIYAH, LIBYA

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- CAUTION**
- Vertical obstructions, including powerlines, have been omitted from the chart. Their existence is shown on the original map, but their location or height is not shown, or their location or height is not shown.

COORDINATE CONVERSION ED TO WGS

Grid: Subtract 720m, Subtract 181m, N
Geographic: Subtract 2.5" Long, Subtract 4.2" Lat.

SAMPLE 1000 METER GRID SQUARE

SAMPLE 1000 METER REFERENCE

GRID ZONE DESIGNATION

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION.

EXAMPLE: 33RAB1234

JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000

5 10 15 20 25 30 Stature Miles

5 10 15 20 25 30 Kilometers

15 NAUTICAL MILES

CONTOUR INTERVAL APPROXIMATELY 165 FEET

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 33, INTERNATIONAL ELLIPSOID

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE DMA OPERATIONAL HELP DESK: 1-800-455-6869; COMMERCIAL: 214-363-4866; 200-502-4866; OR WRITE TO: DIRECTOR, NATIONAL MAPS AND MAPPING AGENCY, ATTN: 15, MAIL STOP 1-86, 4800 SANDHAMMER ROAD, FORT BELVOIR, VA 22060-0002.

ELEVATIONS IN FEET
DEPTHS IN FEET

GLOSSARY

Abaya	well	Darf	fort
Alam	casem	Darf	hill
Ard	well	Darf	hill
Bandah	first-order administrative division	Darf	hill
Biy	well, custom	Darf	hill
Dir	hill(s)	Darf	hill
Darf	hill	Darf	hill
Darf	house	Darf	hill
Jabbanat	cemetary	Darf	hill
Khamat	peak	Darf	hill
Khamat	depression, wash	Darf	hill
Khamat	pass	Darf	hill
Khamat	peak	Darf	hill
Khamat	peak	Darf	hill
Majm	custom	Darf	hill
Majm	hill	Darf	hill
Majm	hill	Darf	hill
Majm	hill	Darf	hill
Manjir	well	Darf	hill
Mingir	waterhole(s)	Darf	hill
Qabr	tombs	Darf	hill
Qabr	depression	Darf	hill
Qabr	wadi	Darf	hill
Qabr	depression	Darf	hill
Qabr	wadi	Darf	hill

RELIABILITY OF THIS GRAPHIC

Compiled from best available source materials

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

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NOTES

Powerlines are shown except within populated place limits. Other obstructions are shown if they are 200 feet or more above ground level. See caution note.

On this graphic a lane is generally considered being 8 feet (2.5 meters) in width.

ADMINISTRATIVE DIVISION BOUNDARIES ARE APPROXIMATE.

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