SERIES 1501 AIR
SHEET NH 33-5
EDITION 2

SERIES 1501 COMPANION SHEET IS EDITION 2

POPULATED PLACES
- Over 100,000 ALGER
- 50,000 to 100,000 SAFI
- 10,000 to 50,000 SETTAT
- 2,000 to 10,000 Tiflet
- Less than 2,000 Marchand

ROADS
- Dual highway (4 LANES DUAL)
- All weather, hard surface (4 LANES)
  - More than two lanes wide
  - Two lanes wide
  - One lane wide
- All weather, loose or light surface (3 LANES)
  - More than two lanes wide
  - Two lanes wide
  - One lane wide
- Fair or dry weather, loose surface
- Cart track
- Footpath, trail
- Route marker (50)

RAILROADS
- Normal gauge, single track 1.44m (4'8½"); Double track
- Narrow gauge

BOUNDARIES
- International
- First-order administrative

OTHER FEATURES
- Area name (AL BASŪS)
- Mine or quarry
- Campsite; Ruins; Watermill
- School; Church; Landmark
- Mosque; Moslem shrine
- Small reservoir or cistern
- Well; Perennial; Intermittent; Spring
- Underground aqueduct with shafts
- Sabkha or Dry lake; Intermittent lake
- Single line intermittent stream; Wadi
- Marsh or swamp; Land subject to inundation
- Mound; Levee
- Mudflat; Distorted surface
- Sand, flat or rolling; Sand dunes
- Horizontal control point

VEGETATION
- Woods, brushwood; Scattered trees (NONE / NONE)
- Orchard, vineyard; Scrub (NONE / NONE)

HYDROGRAPHY
- Rocks, uncovering or awash
- Exposed wreck
- Limit of danger; Reef
- Foreshore flat
- Depth curve; Lighthouse (10 20 30)

TERRAIN ELEVATIONS
- Spot elevation, normal; critical *846 *840
- HIGHEST KNOWN elevation is **2431** feet at the following coordinates:
  - Geographic 30°48'N.,12°57'E.
  - Grid UQ0312
- ± following elevation value indicates accuracy is not within 100 feet

AERODROMES (Military or Civil)
- Runway pattern known (EDNA/50/s 725)
- Field limits and runway pattern unknown
- HELIPORT (H)

RADIO FACILITIES
- VOR VORTAC
- TACAN VOR/DME
- RADIO RANGE LF/MF (RNG HURN)
- MULTIPLE RADIO FACILITIES (NDB RNG PARIS)

CONTROLLED AIRSPACE
- ADIZ (ATLANTIC ADIZ)

VISUAL AIDS AND OBSTRUCTIONS
- Obstruction (1108 / (259))
  - 1108-Elevation of obstruction top, above sea level
  - (259)-Elevation of obstruction top, above ground level
- Group obstruction
- Radio facility obstruction
- Power transmission line
- Visual ground sign (M)
- Aero light; Marine light

CAUTION

Vertical obstructions, including powerlines, have been extracted from the most reliable sources available. However, there is no assurance that all are shown, or that their locations or heights are exact.

CAUTION
AIR INFORMATION CURRENT THROUGH
5 JUNE 1992

Consult NOTAMS and Flight Information Publications for the latest air information; the DMA Aeronautical Chart Updating Manual or MOD (U.K.) Aeronautical Chart Amendment document, for other chart revision information.

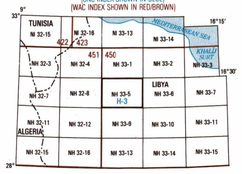
MAGNETIC VARIATION FOR 1990 IS APPROXIMATELY 0°15' EAST OVER THE ENTIRE AREA.
(Annual rate of change, 5' increase)

ATTENTION
THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)

The Maximum Elevation Figures shown in quadrangles bounded by ticked lines of latitude and longitude are represented in THOUSANDS and HUNDREDS 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 (trees, towers, antennas, etc.).

EXAMPLE: 12,500 feet ... **125**

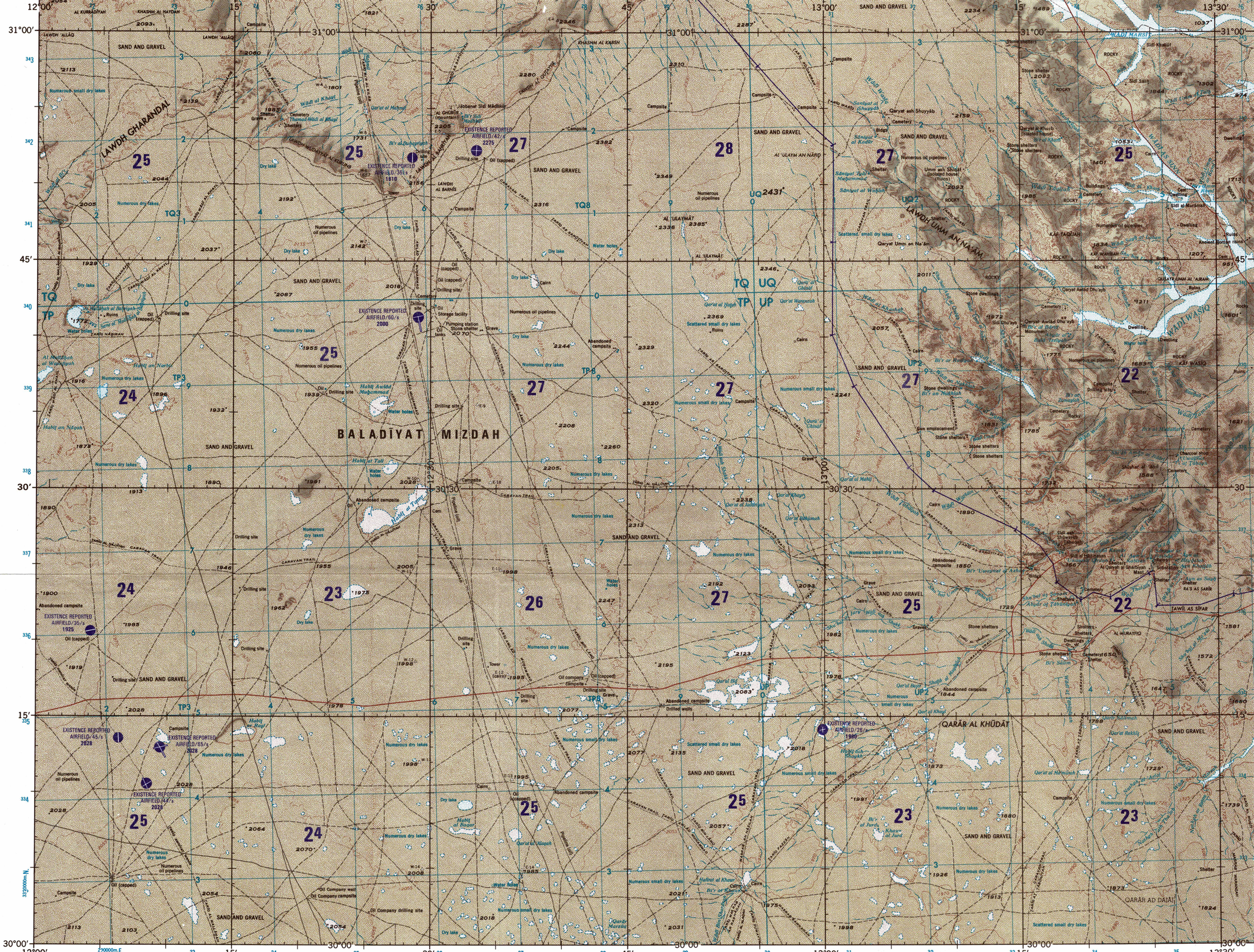
LOCATION DIAGRAM
Boundary Representation is Not Necessarily Authoritative
(ONC INDEX SHOWN IN BLUE)
(WAC INDEX SHOWN IN RED/BROWN)



SCALE 1:250,000
AL QARYAH AL GHARBĪYAH, LIBYA

SERIES 1501 AIR
SHEET NH 33-5
EDITION 2

SERIES 1501 COMPANION SHEET IS EDITION 2



ELEVATIONS IN FEET

JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000

5 0 5 10 15 20 Statute Miles
5 0 5 10 15 20 25 30 Kilometers
5 0 5 10 15 Nautical Miles

CONTOUR INTERVAL APPROXIMATELY 165 FEET
WITH SUPPLEMENTARY CONTOURS AT APPROXIMATELY 85 FEET

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

COORDINATE CONVERSION FROM EUROPEAN DATUM, INTERNATIONAL ELLIPSOID TO WORLD GEODETIC SYSTEM 1984 DATUM, WORLD GEODETIC SYSTEM 1984 ELLIPSOID.
Grid: Subtract 74m. E., Subtract 186m. N
Geographic: Subtract 3.0" Long., Subtract 4.5" Lat.

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.

Prepared and published by the Defense Mapping Agency
Hydrographic/Topographic Center, Washington, D.C. 20315.
Compiled 1967, Revised by DMAAC January 1992.

THE DATUM AND ELLIPSOID FOR THIS AREA HAVE BEEN CHANGED. FOR ADJACENT AND OVERLAPPING SHEETS, THERE ARE NO SIGNIFICANT CHANGES IN GRID OR GEOGRAPHIC VALUES AT THIS SCALE.

SAMPLE 10,000 METER GRID SQUARE
- 74
- Sample point
- 186
- 12
- 13

100,000m SQUARE IDENTIFICATION
See Body of Map

GRID ZONE DESIGNATION
33R

SAMPLE 1,000 METER REFERENCE

1. Read letters identifying the 100,000 meter square in which the point lies: AB
2. Read large number labeling the VERTICAL grid line left of point. Estimate tenths (1,000 meters) from grid line to point: 1 2
3. Read large number labeling the HORIZONTAL grid line below point. Estimate tenths (1,000 meters) from grid line to point: 3 4

Example: AB1234

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

Example: 33RAB1234

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

ELEVATIONS IN FEET

GLOSSARY

Abyār	well(s)
'Ayn	spring
Baladīyat	ADM1
Bīr	well(s)
Habīj	depression, lakebed
Jabbānat	cemetery
Kāf	hill
Khashm	promontory
Khawr	depression
Lawdh	escarpment
Mallāḥah	sabkha
Masrab	trail
Nashgh	wadi
Qa'	lakebed, depression
Qarār	depression
Qarīr	depression
Qa'an	depression, lakebed
Qurḍ	depression, lakebed
Ra's	hill
Sārīyat	well, spring
Shaqb	wadi
Sh'āb	wadi
Sh'bat	wadi
Ṭarīq	trail, road
Ṭawīl	hill
Tharrad	waterhole
'Umym	hill
'Uwaynat	well
'Uwaynāt	spring
Wādī	wadi

GEOREF
BASIC 15° QUADRANGLE
NJ

31° NA PA 30°
12° 13° 13°30′

ELEVATION TINTS
FEET
660

RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)

	I	II	III
POSITING ACCURACY 90% ASSURANCE	AREA I	AREA II	AREA III
Horizontal	within 415 ft.	within 415 ft.	within 415 ft.
Contours	85 ft.	85 ft.	85 ft.

GRAPHIC FEATURE	DATE OF INFORMATION AREA I	AREA II	AREA III
Man made features	1977-87	1987	1983-88
Drainage	1977-87	1987	1983-88
Contours	1967	1967	1967
All other features	1967	1967	1967

Graphic not field checked

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

NOTES

Powerlines are shown except within populated place tints.

No obstructions 200 feet or more above ground level are known to exist in this area.

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

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