SERIES 1501 AIR
SHEET NG 33-03
EDITION 1

SERIES 1501 COMPANION SHEET IS EDITION 1

POPULATED PLACES
- Over 100,000 ..... ṬARĀBULUS
- 50,000 to 100,000 ..... BANGHĀZĪ
- 10,000 to 50,000 ..... Ṭubruq
- 2,000 to 10,000 ..... Al Marj
- Less than 2,000 ..... Umm al ʿAbid

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 ASHHAB
- 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)
- Orchard, vineyard; Scrub (NONE)

HYDROGRAPHY
- Rocks, uncovering or awash
- Exposed wreck
- Limit of danger; Reef
- Foreshore flat
- Depth curve; Lighthouse

TERRAIN ELEVATIONS
- Spot elevation, normal; critical *646 *840
- HIGHEST KNOWN elevation is 2096 feet at the following coordinates:
  - Geographic ..... 27°22'N, 16°29'E
  - Grid XL4728
- ±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

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 11 OCTOBER 1994

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°30' EAST OVER THE ENTIRE AREA (Annual rate of change, 4' 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

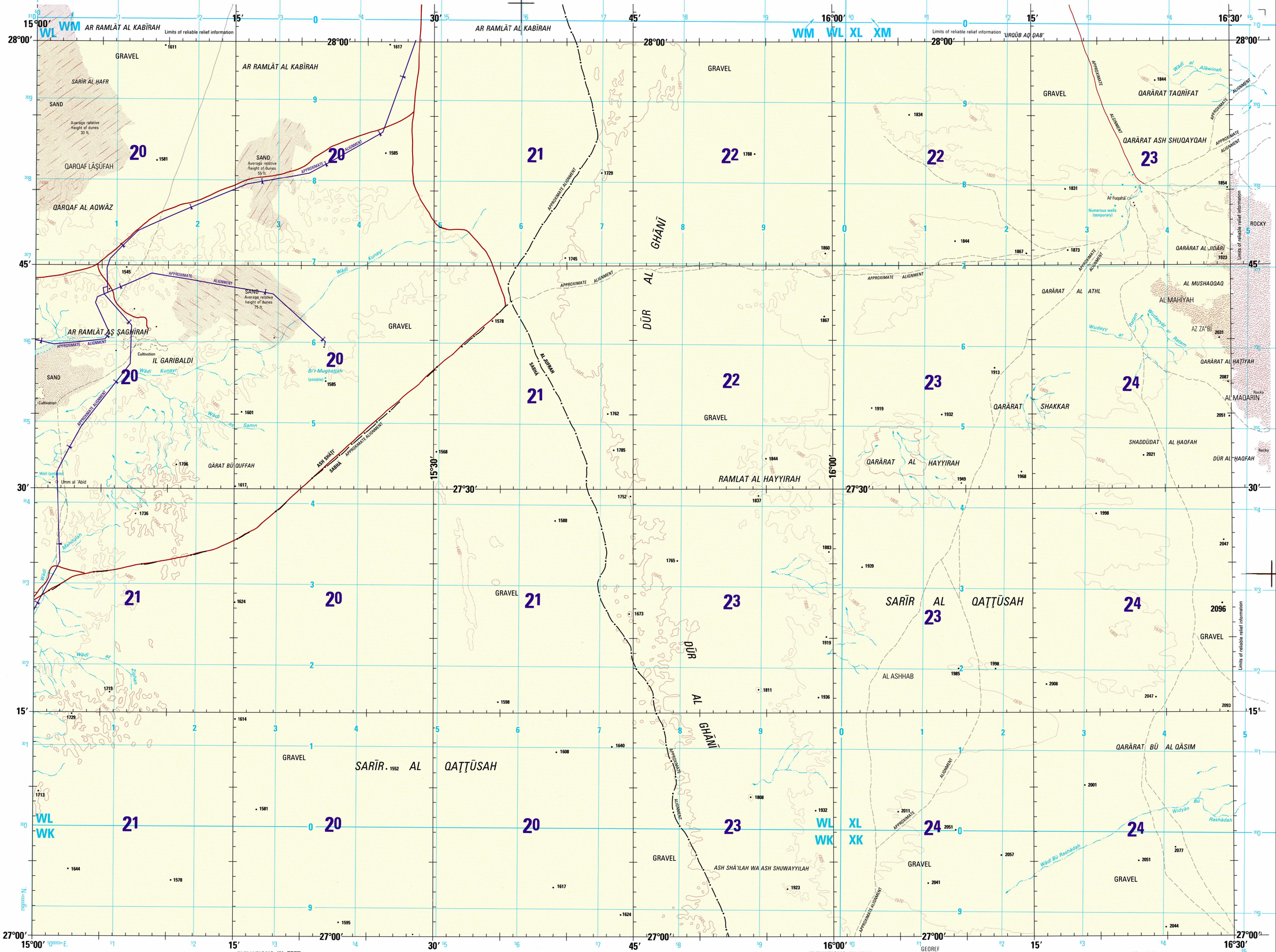
(ONC INDEX SHOWN IN BLUE)
(WAC INDEX SHOWN IN RED/BROWN)

NH 33-9	NH 33-10	NH 33-11	H-3 NH 33-12 / H-4	NH 34-9
NH 33-13	NH 33-14	NH 33-15	450 NH 33-16	449 NH 34-13
NG 33-1	NG 33-2	541 NG 33-3	542 NG 33-4	NG 34-1
NG 33-5	NG 33-6	NG 33-7	NG 33-8	NG 34-5
NG 33-9	NG 33-10	NG 33-11	NG 33-12	NG 34-9

SCALE 1:250,000
AL FUQAHĀ', LIBYA

SERIES 1501 AIR
SHEET NG 33-03
EDITION 1

SERIES 1501 COMPANION SHEET IS EDITION 1



Prepared and published by the Defense Mapping Agency Aerospace Center, St. Louis, Missouri.
Compiled April 1994
MAP INFORMATION AS OF 1993

©COPYRIGHT 1994 BY THE UNITED STATES GOVERNMENT.
NO COPYRIGHT CLAIMED UNDER TITLE 17 U.S.C.

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 — Sample point — 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: 1
   Estimate tenths (1,000 meters) from grid line to point: 2
3. Read large number labeling the HORIZONTAL grid line below point: 3
   Estimate tenths (1,000 meters) from grid line to point: 4
Example: AB1234

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

Statute Miles / Kilometers / Nautical Miles

CONTOUR INTERVAL APPROXIMATELY 165 FEET

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

COORDINATE CONVERSION FROM WGS DATUM WGS ELLIPSOID TO EUROPEAN DATUM INTERNATIONAL ELLIPSOID
Grid: Add 67m E., Add 175m N.
Geographic: Add 2.4" Long., Add 4.3" Lat.

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA OPERATIONAL HELP DESK: 1-800-455-0899; COMMERCIAL 314-263-4984; DSN 693-4984; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN.: ES, MAIL STOP L-48, 4600 SANDAMORE ROAD, BETHESDA, MD 20816-5003.

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	9145
200	61	2000	610
150	46	1500	457
100	31	1000	305

GLOSSARY
- Bi'r ..... well, cistern
- Dūr ..... hill(s), plateau
- Qarārat ..... depression, basin
- Qārat ..... hill
- Ramlāt ..... sands, sand dunes
- Sarīr ..... gravel desert
- 'Urqūb ..... hill(s), ridge, spur
- Wādī ..... wadi
- Widyān ..... wadis
- Wudayy ..... wadi
- Wudayyāt ..... wadis

GEOREF BASIC 15° QUADRANGLE
PH; AN, BN; 28°, 27°, 15°, 16°, 16°30'

ELEVATION TINTS — FEET 660

RELIABILITY OF THIS GRAPHIC (as determined by standard practices)

PLOTTING ACCURACY 90% ASSURANCE	
Horizontal	425 ft.
Contours	95 ft.
Date of information	1984

Horizontal Datum: World Geodetic System 1984
Vertical Datum: Mean Sea Level
Transverse Mercator Projection

NOTES

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.

ALIGNMENT OF ALL BOUNDARIES IS APPROXIMATE. Road classification should be referred to with caution.

Lithographed by DMACSC 1-95
Reprinted by NIMA 03-03

NSN 7641014100759
NIMA Ref No. 1501ANG3303
ED. NO. 001