SERIES 1501 AIR
SHEET NJ 38-14
EDITION 3

SERIES 1501 COMPANION SHEET IS EDITION 1

POPULATED PLACES
- Over 100,000: BAGHDĀD
- 50,000 to 100,000: KARKŪK
- 10,000 to 50,000: Karbalā
- 2,000 to 10,000: Al Ḥadīthah
- Less than 2,000: Bayji

ROADS
- Dual highway — 4 LANES DUAL
- All weather, hard surface
  - More than two lanes wide — 4 LANES
  - Two lanes wide
  - One lane wide
- All weather, loose or light surface
  - More than two lanes wide — 3 LANES
  - 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: JABAL ZINBĀR
- 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 11765 feet at the following coordinates:
- Geographic: 36°33'N, 45°00'E
- Grid: NF0145

± 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
22 JANUARY 1991

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 3°45' EAST OVER THE ENTIRE AREA
(Annual rate of change, no change)

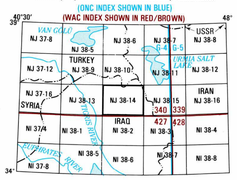
ATTENTION

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
IRBĪL, IRAQ; IRAN; TURKEY

SERIES 1501 AIR
SHEET NJ 38-14
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SERIES 1501 COMPANION SHEET IS EDITION 1

Prepared and published by the Defense Mapping Agency Aerospace Center, St. Louis, Missouri. Compiled
Compiled January 1991

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

DMA IS UPDATING THE MILITARY GRID REFERENCE SYSTEM. SINCE THERE ARE NO SIGNIFICANT CHANGES IN THE GRID VALUES AT THIS SCALE, CONVERSION VALUES ARE PROVIDED IN LIEU OF SHOWING ADDITIONAL GRIDS.

CONVERSION FROM UTM GRID, WGS 84 SPHEROID, WGS 84 DATUM TO UTM GRID, INTERNATIONAL SPHEROID, EUROPEAN DATUM IS +13 METERS EASTING AND +175 METERS NORTHING.

ELEVATIONS IN FEET

JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000

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

CONTOUR INTERVAL APPROXIMATELY 330 FEET
WITH SUPPLEMENTARY CONTOURS AT APPROXIMATELY 165 FEET
AND APPROXIMATELY 85 FEET

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 38, WORLD GEODETIC SYSTEM ELLIPSOID.

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NGA OPERATIONAL HELP DESK: 1-800-455-0899; COMMERCIAL 314-263-4884; DSN 693-4884; OR WRITE TO: DIRECTOR, NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY, ATTN.: ES, MAIL STOP: L-88, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

ELEVATIONS IN FEET

GLOSSARY

Ab	stream
Buḥayrat	reservoir
Chāy	stream
Cham	stream, wadi
Dagh	mountain
Dol	stream
Jabal	mountain
Khr	stream
Kūh	hill, mountain
Mamar	pass
Nahr	stream
Rū	stream
Rūbar	stream
Rūbat	stream
Rudkhāneh	stream
Sar	peak
Sy	stream
Tapah	hill

GEOREF
BASIC 15° QUADRANGLE
QJ
37°
36°
PG QG
43°30' 44° 45°

ELEVATION TINTS FEET
14765
8860
2955
660

RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)

PLOTTING ACCURACY 90% ASSURANCE	
Horizontal	within 420 ft.
Contours	within 165 ft.
GEOGRAPHIC FEATURES	DATE OF INFORMATION
Contours	1988
All other features	1990

Horizontal Datum: WGS 84
Vertical Datum: Mean Sea Level
Transverse Mercator Projection
Datum Conversion from WGS 84 Datum to European Datum is + 3.6" Latitude and + 0.6" Longitude.

NOTES

Powerlines are shown except within populated place tints.
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 as being 8 feet (2.5 meters) in width.
BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITATIVE.
ALIGNMENT OF ALL BOUNDARIES IS APPROXIMATE.
Road classification should be referred to with caution.

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