SERIES 1501 AIR
SHEET NJ 38-13
EDITION 5

SERIES 1501 COMPANION SHEET IS EDITION 3

POPULATED PLACES
- Over 100,000 ..... BAGHDĀD
- 50,000 to 100,000 ..... KARKŪK
- 10,000 to 50,000 ..... Karbalā
- 2,000 to 10,000 ..... Ḥadīthah
- Less than 2,000 ..... Julayḥah

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 ZINBAR
- 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; Scattered trees
- Orchard, vineyard; Scrub ..... None

HYDROGRAPHY
- Rocks, uncovering or awash
- Exposed wreck
- Limit of danger; Reef
- Foreshore flat
- Depth curve; Lighthouse 600

TERRAIN ELEVATIONS
- Spot elevation, normal; critical *646 *840
- HIGHEST KNOWN elevation is 7139 feet at the following coordinates:
- Geographic ..... 36°58'N, 43°29'E
- Grid LF8583

± 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 26 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)

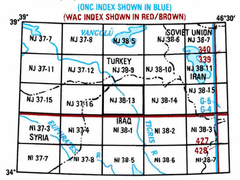
ATTENTION

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
AL MAWṢIL, IRAQ; SYRIA

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SHEET NJ 38-13
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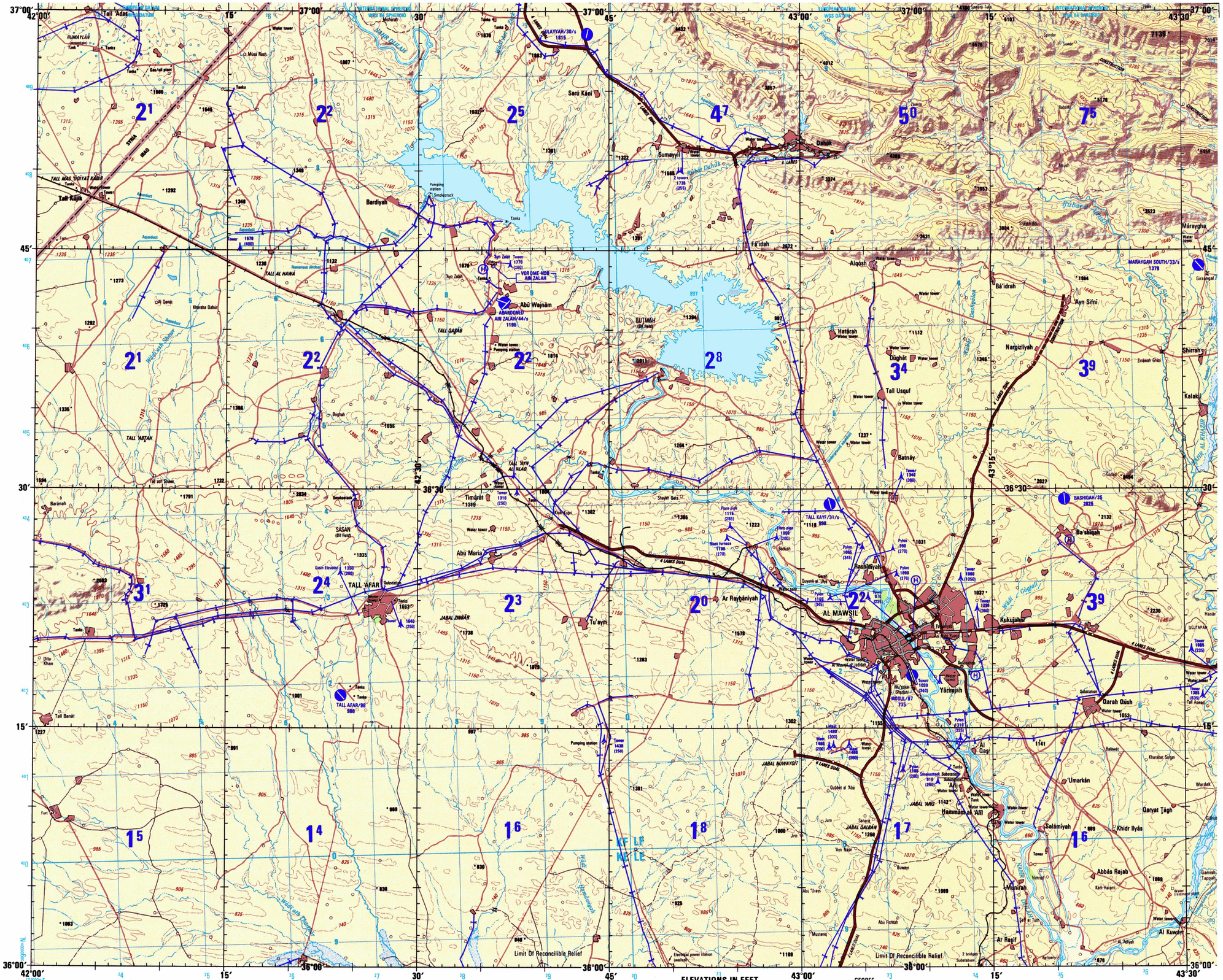

Prepared and published by the Defense Mapping Agency Aerospace Center, St. Louis, Missouri 63118-3399. Compiled January 1991.

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 330 FEET
WITH SUPPLEMENTARY CONTOURS AT APPROXIMATELY 165 AND 85 FOOT INTERVALS

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 314-263-4084; DSN 693-4884; OR WRITE TO: DIRECTOR, NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY, ATTN: ES, MAIL STOP L-88, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

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.

SAMPLE 100,000 METER GRID SQUARE

Example point P

100,000m SQUARE IDENTIFICATION

See Body of Map

GRID ZONE DESIGNATION

38S

SAMPLE 1,000 METER REFERENCE

1 Read lines 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 (100 meters) from grid line to point: 2
3 Read large number labeling the HORIZONTAL grid line below point: 3
Estimate tenths (100 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: 38SAB1234

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.

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

GLOSSARY

Chuā	mountain
Dagh	mountain
Dayr	monastery
Dīj	stream
Jabal	mountain
Khirbat	ruin
Mu'askar	military camp
Nahr	stream
Ru	stream
Qalat	stream
Rubār	stream
Ṣū	stream
Tall	hill
Wādī	wadi

GEOREF
BASIC 15° QUADRANGLE
QJ

37°	
NG	PG
36° 42°	43° 43°30'

ELEVATION TINTS

	FEET
	2955
	660
	330

RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)

PLOTTING ACCURACY 90% ASSURANCE
Horizontal ..... within 420 ft.
Contours ..... within 165 ft.
Date of information 1988

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 + 0.8" 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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