

SERIES 1501 AIR SHEET NI 37-11 EDITION 4

SERIES 1501 COMPANION SHEET IS EDITION 1

POPULATED PLACES

Over 100,000 **BAGHDAD**

50,000-100,000 **KARKUK**

10,000-50,000 **Karbala**

2,000-10,000 **Al Hadithah**

Less than 2,000 **Bay**

ROADS

Dual highway **4 LANES DUAL**

At weather, hard surface
More than two lanes wide **4 LANES**

Two lanes wide **3 LANES**

One lane wide **2 LANES**

At weather, loose or light surface:
More than two lanes wide **3 LANES**

Two lanes wide **2 LANES**

One lane wide **1 LANE**

Fair or dry weather, loose surface
Curt track **1 LANE**

Footpath, trail **1 LANE**

Route marker **1 LANE**

RAILROADS

Normal gauge 4'8 1/2" (1.44m) **SINGLE TRACK**

Station position known **SINGLE TRACK**

Station position unknown **SINGLE TRACK**

Narrow gauge **SINGLE TRACK**

BOUNDARIES

International **THICK DASHED LINE**

First order administrative division **DASHED LINE**

VEGETATION

Woods: Tropical grass **NONE**

Scattered trees: Orchard, plantations, vineyards **NONE**

OTHER FEATURES

Area name **RUDAK**

School: Church, Mosque **SYMBOL**

Landmark feature or object **SYMBOL**

Tank, Wall, Fence **SYMBOL**

Hot, Inland, Pass: Mine or quarry **SYMBOL**

Horizontal control point **SYMBOL**

Astronomic position **SYMBOL**

Sand: Distorted surface **SYMBOL**

Mound: Cliff: Levee **SYMBOL**

HYDROGRAPHY

Underground aqueduct with shafts **SYMBOL**

Small reservoir; Dry lake **SYMBOL**

Sabkha (Kavir); Intermittent lake **SYMBOL**

Intermittent streams: Single; Double line **SYMBOL**

Well: Personal; Intermittent; Disappearing stream **SYMBOL**

Spring, fountain, cistern; Dam; Salt evaporator **SYMBOL**

Wadi: Land subject to inundation **SYMBOL**

Rice paddy; Marsh or swamp **SYMBOL**

TERRAIN ELEVATIONS

Spot elevation: normal, critical **646 840**

HIGHEST KNOWN elevation is **2697** feet at the following coordinates:
Geographic **33°00'N, 39°40'E**
Grid **ESR251**

AERODROMES (Military or Civil)

Runway pattern known **EDNA 725**

EDNA-Name **EDNA 725**

50-Length of longest runway to nearest hundreds of feet

s-Soft or unimproved surface

u-Unknown surface

725-Elevation

RADIO FACILITIES

RADIO RANGE LF/MF **ENG HUNG**

MULTIPLE RADIO FACILITIES **NOB-RNG PARIS**

CONTROLLED AIRSPACE

ADIZ **IRAN ADIZ**

VISUAL AIDS AND OBSTRUCTIONS

Obstruction **1108**

1108-Elevation of obstruction top, above sea level (259)-Elevation of obstruction top, above ground level

Group obstruction **SYMBOL**

Radio facility obstruction **SYMBOL**

Power transmission line **SYMBOL**

RADIO AIDS TO NAVIGATION

VHF OMNI RANGE (VOR) **SYMBOL**

VORTAC **SYMBOL**

TACAN **SYMBOL**

VOR with DME **SYMBOL**

CAUTION

Vertical obstructions, including geostations, 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 JUNE 1995

Consult NOTAMS and Flight Information Publications for the latest air information. For NOTAMS, consult the Aeronautical Information Manual or NOTAMS (U.S. Department of Transportation Chart Supplement), for other chart revision information.

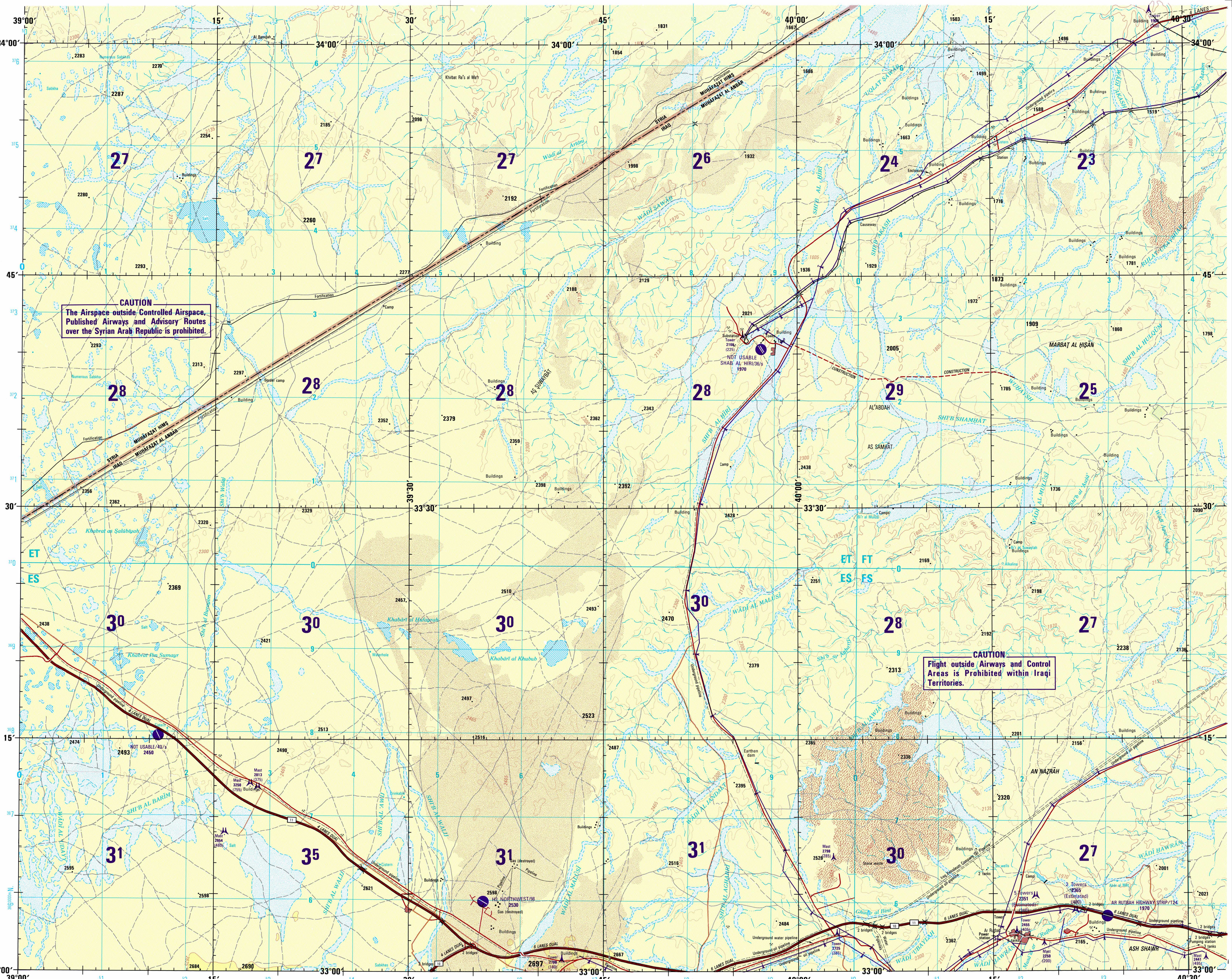
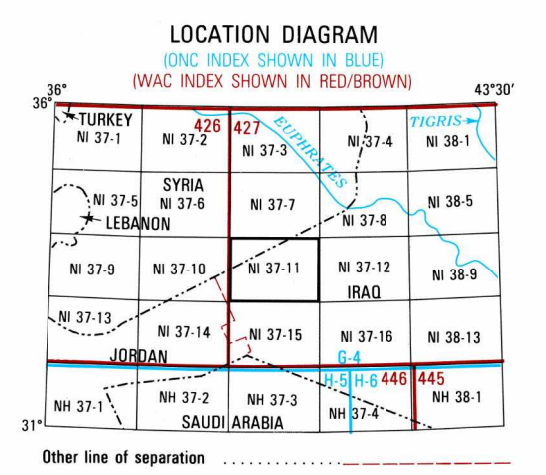
MAGNETIC VARIATION FOR 1995 IS APPROXIMATELY 3 1/2° EAST OVER THE ENTIRE AREA
(Annual rate of change 1" increase)

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 features in each quadrangle, including terrain and obstructions (trees, towers, antennas, etc.).

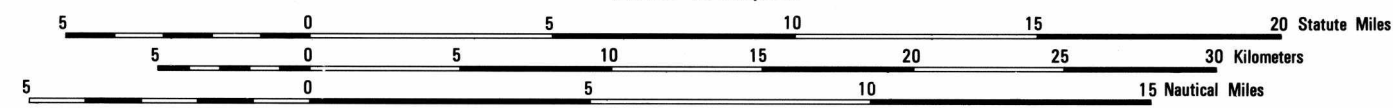
EXAMPLE: 12,500 feet **125**



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JOINT OPERATIONS GRAPHIC (AIR)

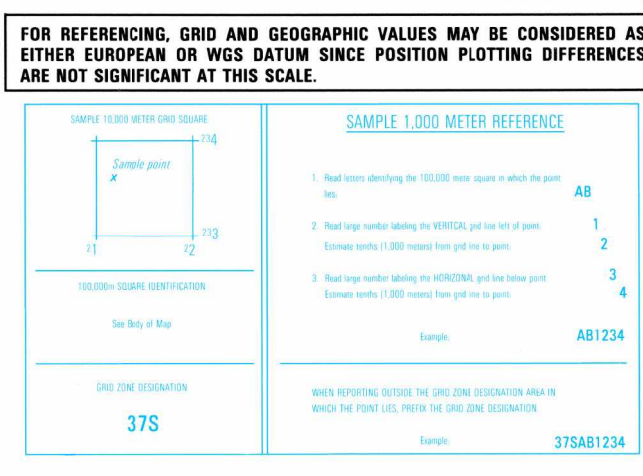
SCALE 1:250,000



CONTOUR INTERVAL APPROXIMATELY 165 FEET

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
100	46	1500	457
0	0	1000	305



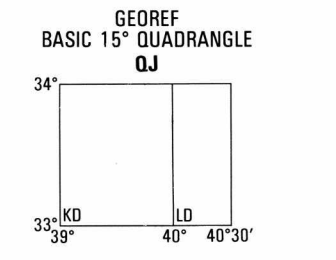
BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 37, WORLD GEODETIC SYSTEM ELLIPSOID

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NSA OPERATIONAL HELP DESK: 1-800-455-0899 COMMERCIAL 314-263-4864 DSN 693-4864 OR WRITE TO: DIRECTOR, NATIONAL GEOGRAPHIC INTELLIGENCE AGENCY, ATTN: ES, MAIL STOP L-88, 4600 SANGAMO ROAD, BETHESDA, MD 20816-5003.

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GLOSSARY

Abir	well(s)
Bay	waterhole
Chahar	waterhole
Khobar	waterhole
Marbat	waterhole
Muljafat	first-order administrative division
Mushad	wadi
Nahy	wadi
Riilat	wadi
Sh'r	wadi
Sh'r	wadi
Wajit	wadi
Wajit	wadi
Wujaysh	intermittent stream



RELIABILITY OF THIS GRAPHIC
(as determined by standard practice)

Horizontal	Vertical
1998	1997
1996	1997

PLOTTING ACCURACY 90% ASSURANCE

Horizontal: within 75 ft
Vertical: within 75 ft

GRAPHIC FEATURE DATE OF INFORMATION

All Other Features: See Diagram

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

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 AUTHORITY.

ALIGNMENT OF ALL BOUNDARIES IS APPROXIMATE.

SCALE 1:250,000
AR RUTBAH, IRAQ; SYRIA

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