SERIES 1501 AIR
SHEET NI 38-14
EDITION 7

SERIES 1501 COMPANION SHEET IS EDITION 3

POPULATED PLACES
- Over 100,000 — BAGHDĀD
- 50,000–100,000 — KARKŪK
- 10,000–50,000 — Karbalā'
- 2,000–10,000 — Al Ḥadīthah
- Less than 2,000 — Bayjī

ROADS
- Dual highway — 4 LANES DUAL
- All weather, hard surface:
  - More than two lanes wide
  - Two lanes wide — 4 LANES
  - One lane wide
- All weather, loose or light surface:
  - More than two lanes wide
  - Two lanes wide — 3 LANES
  - One lane wide
- Fair or dry weather, loose surface
- Cart track
- Footpath, trail
- Route marker — 55

RAILROADS — Single track / Multiple track
- Normal gauge 4′8½″ (1.44m)
- Station position — known / unknown
- Narrow gauge

BOUNDARIES
- International
- First-order administrative division

VEGETATION
- Woods; Tropical grass — NONE NONE
- Scattered trees; Orchard, plantations, vineyards — NONE

OTHER FEATURES
- Area name — HAUD
- School; Church; Mosque
- Landmark feature or object
- Tank; Well; Wadi; Fence
- Hut, kraal; Pass; Mine or quarry
- Horizontal control point
- Astronomic position
- Sand; Distorted surface — NONE
- Dunes: Crescent; Lateral; Ripple — NONE NONE
- Dunes: Star; Transverse; Mound — NONE NONE NONE
- Mound; Cliff; Levee

HYDROGRAPHY
- Underground aqueduct with shafts
- Small reservoir; Dry lake
- Sabkha (Kavīr); Intermittent lake
- Intermittent streams: Single; Double line
- Well: Perennial; Intermittent; Disappearing stream
- Spring, fountain, cistern; Dam; Salt evaporator
- Wadi; Land subject to inundation
- Rice paddy; Marsh or swamp

TERRAIN ELEVATIONS
- Spot elevation: Normal; Critical — •1086 •3634
- HIGHEST KNOWN elevation is 627 feet at the following coordinates:
- Geographic — 32°04′N, 43°45′E
- Grid — LA8349
- ± following elevation value indicates accuracy is not within 100 feet.

AERODROMES (Military or Civil) — EDNA/50's
- Runway pattern known — 725

EDNA–Name
50–Length of longest runway to nearest hundreds of feet
s–Soft or unimproved surface
u–Unknown surface
725–Elevation

- Runway pattern unknown
- HELIPORT/HELIPAD
- HELIPORT/HELIPAD AT HOSPITAL

RADIO AIDS TO NAVIGATION
- VHF OMNI RANGE (VOR)
- VORTAC
- TACAN
- VOR with DME
- Other facilities

RADIO FACILITIES
- RADIO RANGE LF/MF — RNG HURN
- MULTIPLE RADIO FACILITIES — NDB-RNG PARIS

CONTROLLED AIRSPACE
- ADIZ — IRAN 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 08 MARCH 1999
Consult NOTAMS and Flight Information Publications for the latest air information; the NIMA Aeronautical Chart Updating Manual or MOD (U.K.) Aeronautical Chart Amendment document, for other chart revision information.

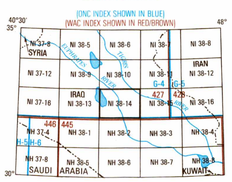
MAGNETIC VARIATION FOR 1995 IS APPROXIMATELY 3½° EASTERLY OVER THE ENTIRE AREA
(Annual rate of change 1′ increase)

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 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)



SCALE 1:250,000
KARBALĀ', IRAQ

SERIES 1501 AIR
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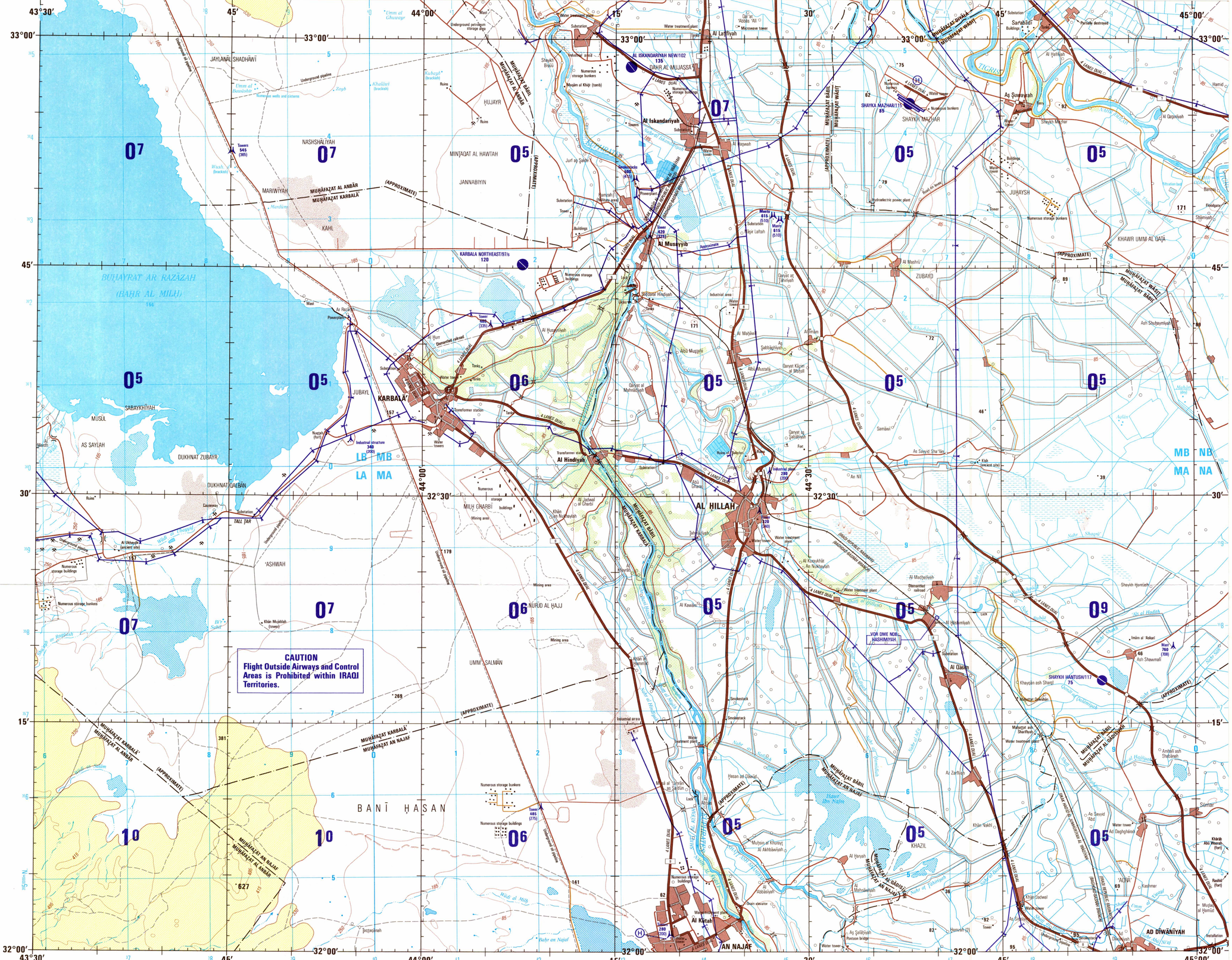

Prepared and published by the National Imagery and Mapping Agency.
Compiled February 1986. Revised February 1998.

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 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.

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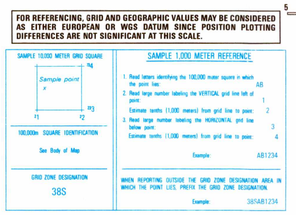
FOR REFERENCING, GRID AND GEOGRAPHIC VALUES MAY BE CONSIDERED AS EITHER EUROPEAN OR WGS DATUM SINCE POSITION PLOTTING DIFFERENCES ARE NOT SIGNIFICANT AT THIS SCALE.

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

SAMPLE 10,000 METER GRID SQUARE



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:
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

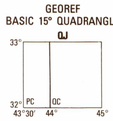
WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION.

Example: 38SAB1234

GLOSSARY

- Bayr, Buḥayrat ..... lake, marsh
- Bi'r ..... well
- Imām ..... tomb
- Khawr, hawr ..... marsh
- Maḥaṭṭat ..... station
- Maqām ..... shrine
- Mintaqat ..... locality, area
- Muḥāfaẓat ..... first-order administrative division
- Nahr ..... canal, stream
- Jal'at ..... fort
- Janāt ..... canal
- Sharq ..... stream
- Shu'ayb ..... wadi
- Tall ..... hill
- Umm ..... well
- Wādī ..... wadi

GEOREF
BASIC 15° QUADRANGLE



ELEVATION TINTS

RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)

1997

PLOTTING ACCURACY 90% ASSURANCE	
Horizontal ..... within 682 ft.	
Contours ..... within 62 ft.	
GRAPHIC FEATURE	DATE OF INFORMATION
ALL FEATURES ..... See diagram	

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

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NOTES

Powerlines are shown except within populated place tints. Other obstructions are shown, if they are 150 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.

ALIGNMENT OF ALL BOUNDARIES IS APPROXIMATE.

BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITATIVE.

Road classification should be referred to with caution.

The number in parenthesis following a populated place indicates that more than one place is so named.

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