SERIES 1501 AIR
SHEET NH38-2
EDITION 4

SERIES 1501 COMPANION SHEET IS EDITION 1

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 — 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 — 58

RAILROADS — Single track — Multiple track
Normal gauge 4'8½" (1.44m)
Station position — known — unknown
Narrow gauge

BOUNDARIES
International
First-order administrative division

VEGETATION
Orchard, plantations, vineyards

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
Dunes: Crescent; Lateral
Mound; Cliff; Levee

HYDROGRAPHY
Underground aqueduct with shafts
Small reservoir; Dry lake
Sabkha (Kavir); 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 — *1088 — *3634
HIGHEST KNOWN elevation is 1195 feet at the following coordinates:
Geographic — 31°00'N., 43°31'E
Grid — LV5931

AERODROMES (Military or Civil) — EDNA/50/s 725
Runway pattern known
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 — RNG HURN
RADIO RANGE LF/MF — NDB-RNG PARIS
MULTIPLE RADIO FACILITIES

CONTROLLED AIRSPACE — IRAN ADIZ
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

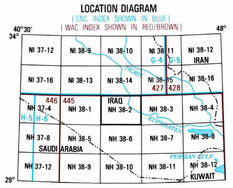
CAUTION
Vertical obstructions, including powerlines, have been extracted from the most reliable sources available. However, there is no assurance that all are shown, or that their locations or heights are exact.

CAUTION
AIR INFORMATION CURRENT THROUGH
11 JANUARY 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
3°00' 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 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
AN NAJAF, IRAQ

SERIES 1501 AIR
SHEET NH 38-2
EDITION 4

SERIES 1501 COMPANION SHEET IS EDITION 1

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

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Compiled January 1991. Revised February 1998.

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.

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: — 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: 38RAB1234

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 165 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 314-263-4864; DSN 693-4864; 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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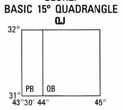
ELEVATIONS IN FEET

ELEVATIONS IN FEET

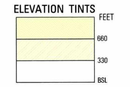
GLOSSARY

'Ayn — spring
Bahr — marsh
Birkat — pool, pond, well
Buḥayrat — lake
Darb — road, trail, path
Faydat — depression, salt flat
Hawr — marsh
Ḥayy — neighborhood
Jabal — mountain
Muḥāfaẓat — first-order administrative division
Nahr — canal, stream
Qal'at — fort
Qalb, Qārat, Quwayrat — hill
Qasr — fort, castle
Qūr — hills
Quraymayn — hills
Rijlat — wadi, stream
Rujm — cairn
Sha'īb — wadi
Shaṭṭ — river, stream
Sh 'b — wadi
Sikak Ḥadīd — railways
Tal — hill
Tulūl — hills
Tuwayr — hammock
Wādī — wadi
Ẓahrat — upland

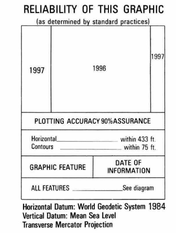
GEOREF
BASIC 15° QUADRANGLE
QJ



ELEVATION TINTS



RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)



PLOTTING ACCURACY 90% ASSURANCE	
Horizontal	within 433 ft
Contours	within 75 ft
GRAPHIC FEATURE	DATE OF INFORMATION
ALL FEATURES	See diagram

Horizontal Datum: World Geodetic System 1984
Vertical 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.

THE REPRESENTATION OF BOUNDARIES IS NOT NECESSARILY AUTHORITATIVE.

ALIGNMENT OF ALL BOUNDARIES IS APPROXIMATE.

Road classification should be referred to with caution.

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