SERIES 1501 AIR
SHEET NH 38-11
EDITION 7

SERIES 1501 COMPANION SHEET IS EDITION 4

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 ..... 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 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
Woods ..... None
Scattered trees; Orchard, plantations, vineyards ..... None None

OTHER FEATURES
Area name ..... RUDAK
School; Church; Mosque
Landmark feature or object
Tank; Well; Wall; Fence
Hut, kraal; Pass; Mine or quarry
Horizontal control point
Astronomic position
Sand; Distorted surface
Dunes: Crescent; Lateral; Ripple
Dunes: Star; Transverse; Mound
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

TERRAIN ELEVATIONS
Spot elevation: Normal; Critical ..... •338 *1108
HIGHEST KNOWN elevation is 1608 feet at the following coordinates:
Geographic ..... 29°16'N., 45°04'E.
Grid NT0737

AERODROMES (Military or Civil)
Runway pattern known EDNA/50/s 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 ..... H

RADIO FACILITIES
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

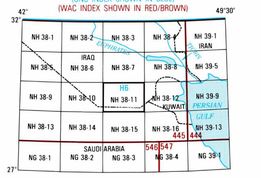
CAUTION
Vertical obstructions, including powerlines, have been extracted from the most reliable sources available. However, there is no assurance that all are shown, or that their locations or heights are exact.

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° 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 NH 38-11 SHOWN IN RED/BROWN)



SCALE 1:250,000
AL 'ABṬĪYAH
IRAQ; SAUDI ARABIA

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CAUTION
Flight outside airways and control areas is prohibited within Iraqi territories.

WARNING
Flying over Saudi Arabian territory without prior permission and/or flying outside routes is strictly prohibited.

AD DIBDIBAH
AL ḤANIYAH
MUḤĀFAẒAT AL MUTHANNĀ
MINṬAQAT AL NUDŪD ASH SHAMĀLIYAH
AL MINṬAQAH ASH SHARQIYAH
IRAQ
SAUDI ARABIA
SAND AND GRAVEL

ELEVATIONS IN FEET

Prepared and published by the National Imagery and Mapping Agency. Compiled 1987. Revised September 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 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-86, 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.

SAMPLE 10,000 METER GRID SQUARE
Sample point
SAMPLE 1,000 METER REFERENCE
100,000m SQUARE IDENTIFICATION
See Body of Map
GRID ZONE DESIGNATION
38R
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

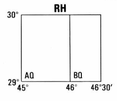
CONVERSION OF ELEVATIONS

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

'Ajar ..... hills
Bi'r ..... well
Dibdibah ..... gravel plain
Julay'at ..... hills
Fayḑat ..... wet depression, rain pool
Ḥazm ..... rough stony ground
Jabal ..... mountain, hill
Jāl ..... cliffs, escarpment, ridge
Khabrat ..... basin, rain pool, water hole
Khashm(at) ..... spur, peak
Khurmat ..... hill
Markaz ..... police post, border post
Minṭaqah(t) ..... first-order administrative division
Mishāh ..... water hole
Muḥāfaẓat ..... first-order administrative division
Qulbān ..... well(s)
Rad'ifat ..... depression, rain pool
Shi'b ..... wadi
Wādī ..... wadi

GEOREF BASIC 15° QUADRANGLE



RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)

1997

PLOTTING ACCURACY 90% ASSURANCE

Horizontal ..... within 722 ft.
Contours ..... within 102 ft.

GRAPHIC FEATURE	DATES OF INFORMATION
Contours	1987
All other features	See diagram

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

ELEVATION TINTS

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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.

DEPICTION OF INTERNATIONAL BOUNDARIES HAS BEEN CHANGED SINCE THE LAST EDITION.

Road classification should be referred to with caution.

Alignment of all boundaries is approximate.

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