

SERIES 1501 AIR SHEET NG 37-16 EDITION 2

SERIES 1501 COMPANION SHEET IS EDITION 1

POPULATED PLACES

Over 100,000 **AR RIYAD**

50,000 to 100,000 **AL KHUBAR**

10,000 to 50,000 **Buqayq**

2,000 to 10,000 **Al-Huwwah**

Less than 2,000 **Other**

ROADS

Dual highway **4 LANES DUAL**

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

Two lanes wide **2 LANES**

One lane wide **1 LANE**

All 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 **1 LANE**

Cart track **1 LANE**

Footpath, trail **1 LANE**

Road marker **1 LANE**

RAILROADS

Normal gauge, single track 1.44m (4'8 1/2") Double track **1 LANE**

Narrow gauge **1 LANE**

BOUNDARIES

International **1 LANE**

OTHER FEATURES

Area name **NAID**

Mine or quarry **NAID**

Campsite, Ruins, Watermill **NAID**

School, Church, Landmark **NAID**

Mosque, Muslim shrine **NAID**

Small reservoir or cistern **NAID**

Well, Perennial, Intermittent, Spring **NAID**

Underground aqueduct with shafts **NAID**

Sakaha or Dry lake, Intermittent lake **NAID**

Single line intermittent stream, Vadi **NAID**

Marsh or swamp; Land subject to inundation **NAID**

Mound, Level **NAID**

Mudflat, Distorted surface **NAID**

Sand, flat or rolling; Sand dunes **NAID**

Horizontal control point **NAID**

VEGETATION

Woods, brushwood, Scattered trees **None**

Orchard, vineyard, Scrub **None**

HYDROGRAPHY

Rocks, encroaching or awash **None**

Exposed wreck **None**

Limit of danger, Reef **None**

Foreshore flat **None**

Depth curve, Lighthouse **None**

TERRAIN ELEVATIONS

Spot elevation, normal, critical **1646 840**

HIGHEST KNOWN elevation is **4022** feet at the following coordinates:
Geographic **24°59'N, 41°09'E**
Grid **GH1886**

— following elevation value indicates accuracy is not within 100 feet

AERODROMES (Military or Civil)

EDNA/50/ **725**

Runway pattern known **725**

Field limits and runway pattern unknown **725**

HELIPORT

RADIO FACILITIES

VOR/VORTAC **1 LANE**

TACAN/VOR/DME **1 LANE**

RADIO RANGE LF/MF **1 LANE**

HURR **1 LANE**

MULTIPLE RADIO FACILITIES **1 LANE**

CONTROLLED AIRSPACE

ADIZ **ATLANTIC ADIZ**

VISUAL AIDS AND OBSTRUCTIONS

Obstruction **1108**

Obstruction **1108**

(259) Elevation of obstruction top, above ground level

Group obstruction **1108**

Radio facility obstruction **1108**

Power transmission line **1108**

Visual ground sign **1108**

Aero light, Marine light **1108**

CAUTION

Special obstructions including obstructions, 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 12 FEBRUARY 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 2°30' 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 solid lines of latitude and longitude are presented in THOUSANDS 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 (towers, antennas, etc.).

EXAMPLE: 12,500 feet

LOCATION DIAGRAM

(WAC INDEX SHOWN IN RED/BROWN)

Grid coordinates: 24°00'N, 40°30'W to 24°30'N, 42°00'W

Scale: 1:250,000

Scale: 1:250,000

Scale: 1:250,000

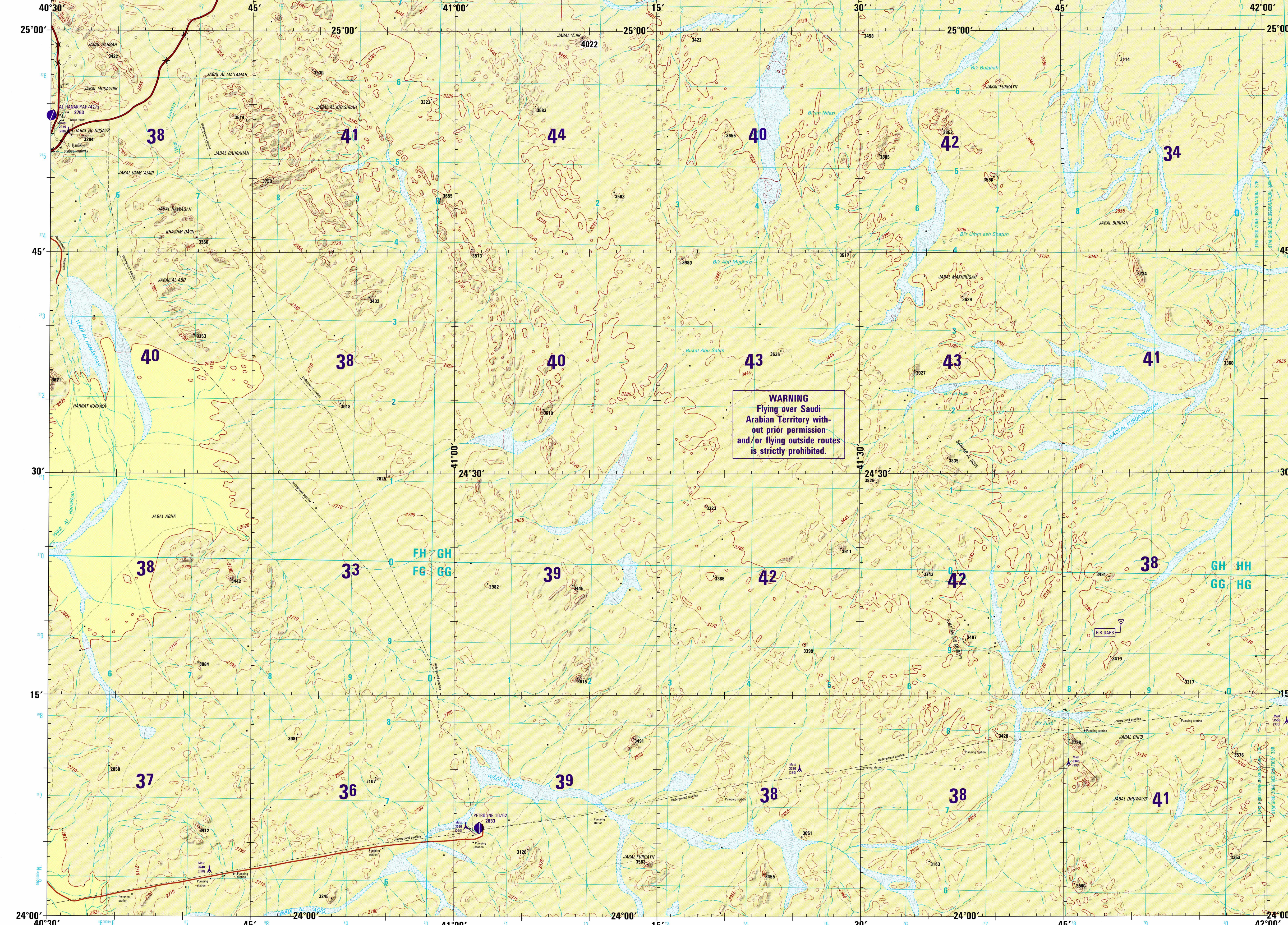
Scale: 1:250,000

Scale: 1:250,000

Scale: 1:250,000

Scale: 1:250,000

Scale: 1:250,000

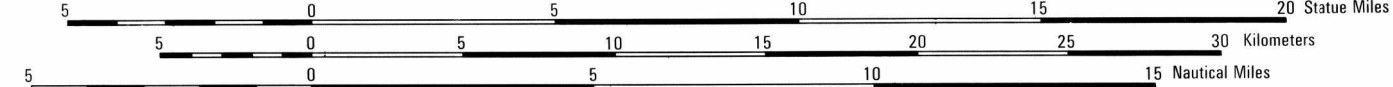


PREPARED AND PUBLISHED BY THE DEFENSE MAPPING AGENCY
AEROSPACE CENTER, ST. LOUIS, MISSOURI
Compiled February 1991

ELEVATIONS IN FEET

JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000



CONTOUR INTERVAL APPROXIMATELY 165 FEET
WITH SUPPLEMENTARY CONTOURS AT APPROXIMATELY 85 FEET

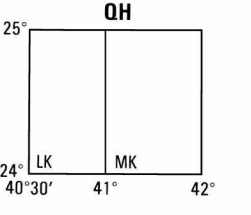
BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID ZONE 37R, WORLD GEODETIC SYSTEM ELLIPSOID

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA OPERATIONAL HELP DESK: 1-800-455-0889; COMMERCIAL 314-263-4864; DSN 693-4864; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: ES, MAIL STOP L-86, 4800 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

Glossary

Br well
Bikat cistern
Dah well
Hajat well
Jabal hills
Khashm hills
Khashm hills
Wadi wadi

GEOREF BASIC 15° QUADRANGLE



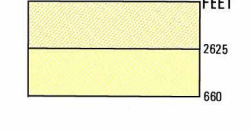
NOTES

Powerlines are shown except within populated places. Other obstructions are shown if they are 200 feet or more above ground level. See caution note. On this graphic, a lane is considered as being 8 feet (2.5 meters) in width. ALIGNMENT OF ALL BOUNDARIES ARE APPROXIMATE. Road classification should be referred to with caution.

RELIABILITY OF THIS GRAPHIC

FLIGHTING ACCURACY (90% ASSURANCE)	
Horizontal	within 425 ft
Vertical	within 85 ft
GRAPHIC FEATURE DATE OF INFORMATION	
Man made features	1989
Contours	1989
All other features	1989

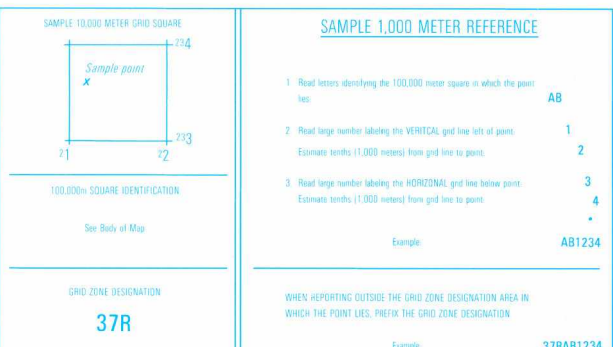
ELEVATION TINTS



CONVERSION OF ELEVATIONS

FEET	METERS
1000	305
1000	304.8
900	274.3
800	243.8
700	213.3
600	182.8
500	152.3
400	121.8
300	91.3
200	60.8
100	30.3
100	30.2
100	30.1
100	30.0
100	29.9
100	29.8
100	29.7
100	29.6
100	29.5
100	29.4
100	29.3
100	29.2
100	29.1
100	29.0
100	28.9
100	28.8
100	28.7
100	28.6
100	28.5
100	28.4
100	28.3
100	28.2
100	28.1
100	28.0
100	27.9
100	27.8
100	27.7
100	27.6
100	27.5
100	27.4
100	27.3
100	27.2
100	27.1
100	27.0
100	26.9
100	26.8
100	26.7
100	26.6
100	26.5
100	26.4
100	26.3
100	26.2
100	26.1
100	26.0
100	25.9
100	25.8
100	25.7
100	25.6
100	25.5
100	25.4
100	25.3
100	25.2
100	25.1
100	25.0

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.



CONVERSION FROM UTM GRID WGS SPHEROID, WGS DATUM TO UTM GRID, INTERNATIONAL SPHEROID, EUROPEAN DATUM (+31 METERS) EASTING AND (+178 METERS) NORTHING

SCALE 1:250,000

AL HANAKIYAH, SAUDI ARABIA

SERIES 1501 AIR SHEET NG 37-16 EDITION 2

SERIES 1501 COMPANION SHEET IS EDITION 1

NSN 7641014102720
NIMA Ref No. 1501ANG3716

ED. NO. 002