

SERIES 1501 AIR SHEET NF 37-3 EDITION 5

- POPULATED PLACES**
- 2,000 to 10,000 Shandi
  - Less than 2,000 Marawi
- ROADS**
- 4 LANES DUAL: All weather, hard surface; More than two lanes wide; Two lanes wide; One lane wide
  - 3 LANES: All weather, loose or light surface; More than two lanes wide; Two lanes wide; One lane wide
  - 2 LANES: Fair or dry weather, loose surface; One lane wide
  - 1 LANE: Cart track; Footpath, trail; Route marker
- RAILROADS**
- Normal gauge 1.44m (4'8 1/2"): Single track; Multiple track
  - Narrow gauge: Single track; Multiple track
- BOUNDARIES**
- International
  - First-order administrative division

- OTHER FEATURES**
- Area name
  - Mine or quarry
  - School; Landmark feature
  - Mosque; Church
  - Fence
  - Well; Perennial, intermittent, spring
  - Single line perennial stream
  - Single line intermittent stream
  - Double line perennial stream; Wadi
  - Sabkha or dry lake; Intermittent lake
  - Marsh or swamp; Land subject to inundation
  - Cliff: Greater than interval, Less than interval
  - Pinnacle; Levee
  - Sand; Distorted surface
  - Sand mounds; Ripple dunes
  - Crescent dunes; Lateral dunes
- VEGETATION**
- Woods, brushwood; Scattered trees
  - Plantation, orchard; Mangrove

**TERRAIN ELEVATIONS**

Spot elevation, normal vertical: 2182 6250  
Horizontal control point: A

HIGHEST KNOWN elevation is 7858 feet at the following coordinates:  
Geographic: 23°58'N, 39°17'E  
Grid: EG2851

- AERODROMES (Military or Civil)**
- Runway pattern known: EDNA/50's
  - EDNA-Name: 725
  - 50-Length of longest runway to nearest hundreds of feet
  - a-Soft or unimproved surface
  - u-Unknown surface
  - 725-Elevation
- Field limits and runway pattern unknown: 725

- HELIPORT**
- RADIO FACILITIES**
- VOR VORTAC
  - TACAN VOR/DME
  - RADIO RANGE LF/MF
  - MULTIPLE RADIO FACILITIES
- CONTROLLED AIRSPACE**
- ADIZ
  - CORUS ADIZ

- VISUAL AIDS AND OBSTRUCTIONS**
- Obstructions: 1108 (258)
  - 1108-Elevation of obstruction top, above sea level
  - (258)-Elevation of obstruction top, above ground level
  - Group obstruction
  - Radio facility obstruction
  - Power transmission line
  - Visual ground sign
  - 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 3 MAY 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 2°30' EAST OVER THE ENTIRE AREA (Annual rate of change 2" 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.). In areas of extensive unreliable relief, the MEF is shown by a note spaced across the area.

EXAMPLE: 12500 feet

**LOCATION DIAGRAM**

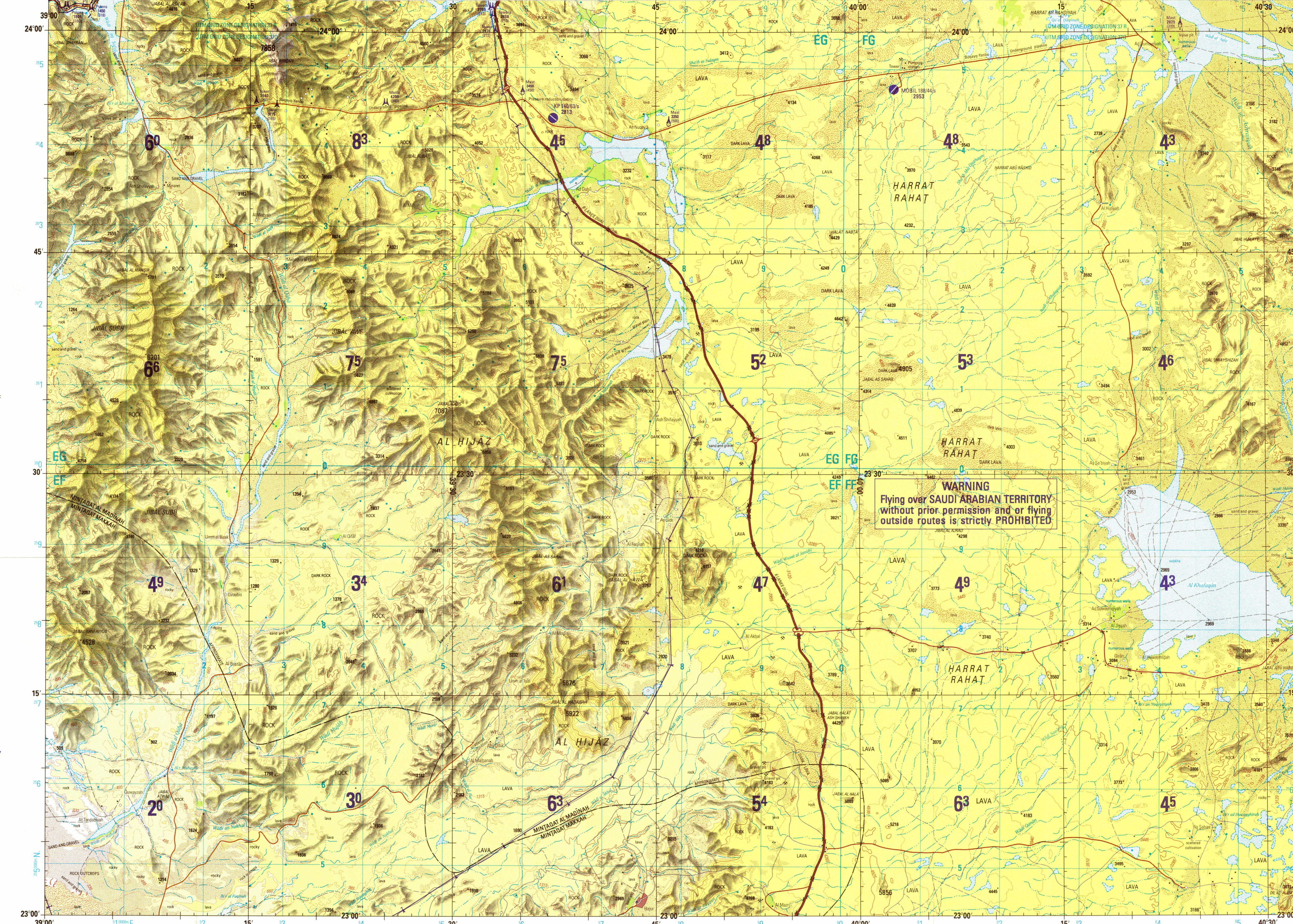
(WAC INDEX SHOWN IN RED/BROWN)

NG 37-9	NG 37-10	NG 37-11	NG 37-12	NG 38-9
NG 37-13	NG 37-14	NG 37-15	NG 37-16	NG 38-10
545	NF 37-3	NF 37-4	545	545
NF 37-5	NF 37-6	NF 37-7	NF 37-8	NF 38-1
SUDAN	NF 37-9	NF 37-10	NF 37-11	NF 38-2

**SCALE 1:250,000**

**AS SUWAYRIQIYAH, SAUDI ARABIA**

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**WARNING**

Flying over SAUDI ARABIAN TERRITORY without prior permission and/or flying outside routes is strictly PROHIBITED

**ELEVATIONS IN FEET**

**JOINT OPERATIONS GRAPHIC (AIR)**

**SCALE 1:250,000**

**ELEVATIONS IN FEET**

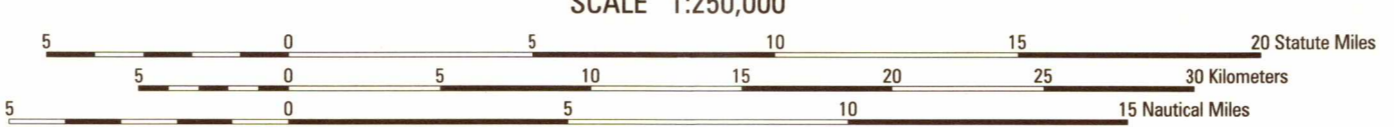
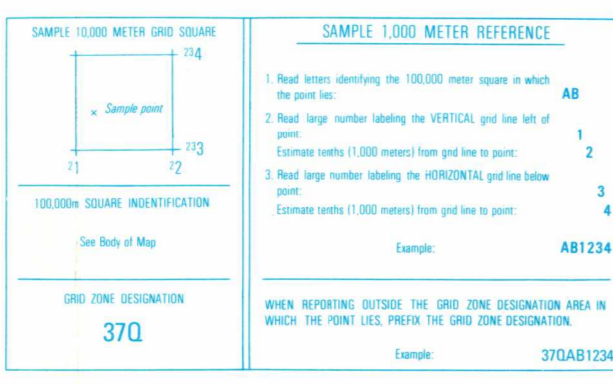
Prepared and published by the National Imagery and Mapping Agency  
Compiled 1986. Revised October 1998.

COORDINATE CONVERSION WGS 84 TO WGS 72:  
Grid: Subtract 16mE, Subtract 5mN.  
Geographic: Subtract 0.6" Long, Subtract 0.1" Lat.

THE DATUM AND ELLIPSOID FOR THIS AREA HAVE BEEN CHANGED. FOR ADJACENT AND OVERLAPPING SHEETS, THERE ARE NO SIGNIFICANT CHANGES IN GRID OR GEOGRAPHIC VALUES 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



CONTOUR INTERVAL APPROXIMATELY 330 FEET  
WITH SUPPLEMENTARY CONTOURS AT APPROXIMATELY 165 FEET

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 37, WORLD GEODETIC SYSTEM 1984 ELLIPSOID.

USERS SHOULD REFER CORRECTIONS, ADDITIONS, OR COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-455-0088, COMMERCIAL 314-260-5032; ESN 486-5022; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: CDD, MAIL STOP P-37, 4600 SANGAMORE ROAD, BETHESDA, MD 20815-5003.

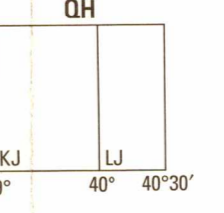
UK USERS: DIRECTORATE OF MILITARY SURVEY, MINISTRY OF DEFENCE, ELMAWAD AVENUE, FELTHAM, MIDDLESEX TW13 7AH.

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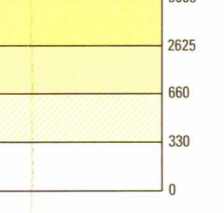
**GLOSSARY**

- Bir: well
- Jabal: hill
- Jabal: hills
- Jabal: mountain
- Jabal: hills
- Jabal: mountains
- Mintaqat: first-order administrative division
- Qa: sabkha(s)
- Qa: wadi
- Shayb: wadi
- Harrat: lava area

**GEOREF BASIC 15° QUADRANGLE QH**



**ELEVATION TINTS**



**RELIABILITY OF THIS GRAPHIC**

(as determined by standard practices)

1995	1996	1997
PLOTING ACCURACY 90% ASSURANCE		
Horizontal	within 425 ft.	
Contours	within 165 ft.	
GRAPHIC FEATURE DATE OF INFORMATION		
ALL FEATURES	See diagram	
Horizontal Datum: World Geodetic System		
Vertical Datum: Mean Sea Level		
Transverse Mercator Projection		

**CAUTION**

Power transmission lines indicated with the vertical obstruction symbol range from 150 to 185 feet in height above sea level or from 160 to 318 feet in height above ground level over the entire sheet.

**NOTES**

Powerlines are shown except within populated place limits. 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.

Road classification should be referred to with caution.

BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITY.

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