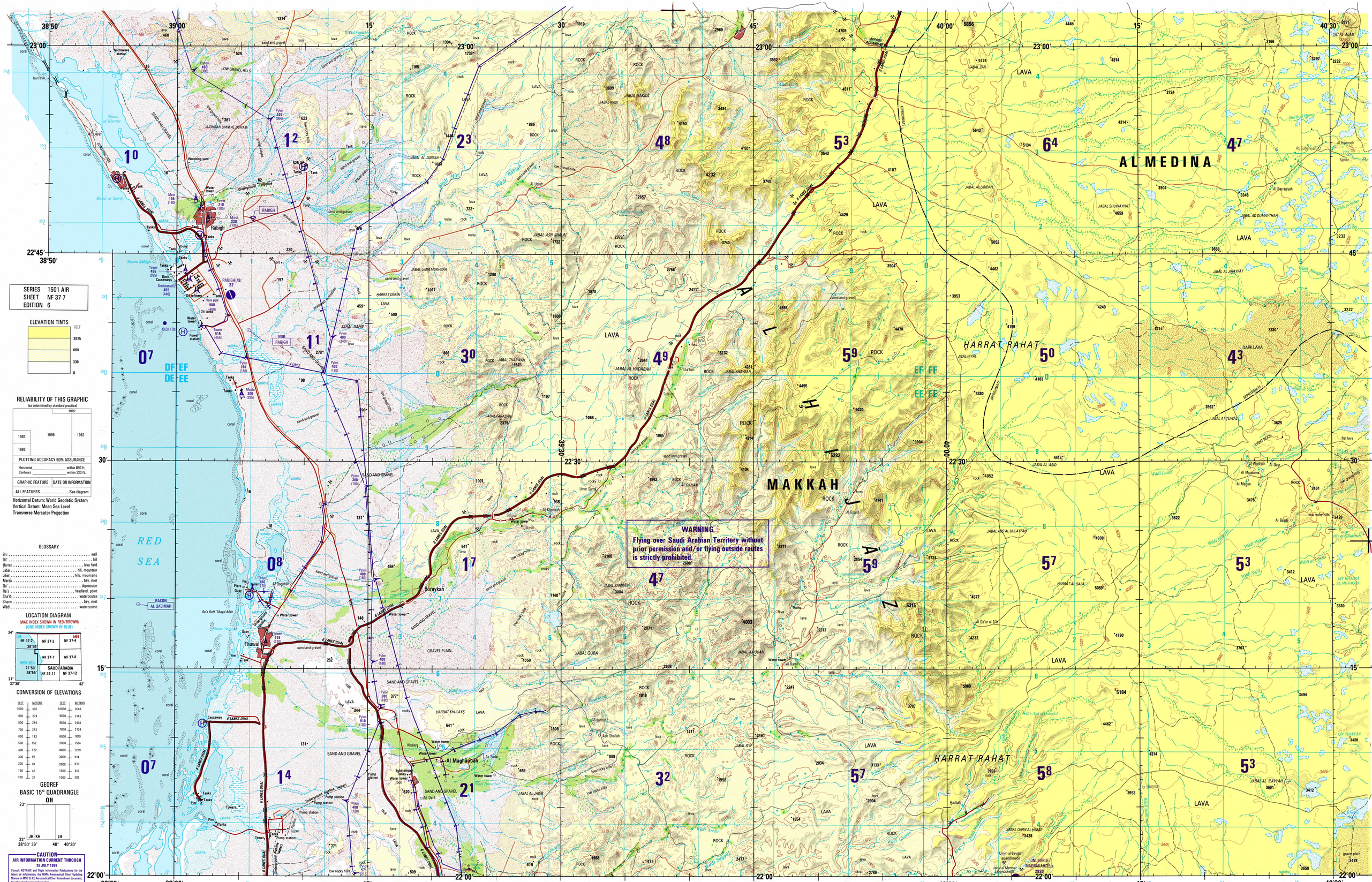

SERIES 1501 AIR
SHEET NF 37-7
EDITION 6

ELEVATION TINTS

FEET
2625
660
330
0

RELIABILITY OF THIS GRAPHIC
(as determined by standard practice)

		1997
1993	1995	1992
1992		

PLOTTING ACCURACY 90% ASSURANCE	
Horizontal	within 850 ft.
Contours	within 330 ft.
GRAPHIC FEATURE	DATE OR INFORMATION
ALL FEATURES	See diagram

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

GLOSSARY

Bi'r ..... well
Ḍa' ..... hill
Harrat ..... lava field
Jabal ..... hill, mountain
Jibal ..... hills, mountains
Marsā ..... bay, inlet
Ra's ..... depression
Ra's ..... headland, point
Sha'b ..... watercourse
Sharm ..... bay, inlet
Wādī ..... watercourse

LOCATION DIAGRAM
(WAC INDEX SHOWN IN RED/BROWN)
(ONC INDEX SHOWN IN BLUE)

NF 37-2 38°50'	NF 37-3	NF 37-4
RED SEA 21°50' 38°55'	NF 37-7	NF 37-8
	SAUDI ARABIA NF 37-11	NF 37-12

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

GEOREF
BASIC 15° QUADRANGLE
QH

CAUTION
AIR INFORMATION CURRENT THROUGH
28 JULY 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 THROUGHOUT CHART AREA FOR 1999 IS APPROXIMATELY 2°15' EAST (annual rate of change 2' increase)

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.

SCALE 1:250,000
RĀBIGH, SAUDI ARABIA

SERIES 1501 AIR
SHEET NF 37-7
EDITION 6

Prepared and published by the National Imagery and Mapping Agency
Compiled 1985. Revised November 1998.

COORDINATE CONVERSION WGS 84 TO ED 50:
Grid: Add 18m E., Add 17m N.
Geographic: Add 0.6" Long., Add 4.5" Lat.

COORDINATE CONVERSION WGS 84 TO WGS 72:
Grid: Subtract 19m E., Subtract 5m N.
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.

SAMPLE 10,000 METER GRID SQUARE
Sample point x
100,000m SQUARE IDENTIFICATION
See Body of Map
GRID ZONE DESIGNATION
37Q

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: 37QAB1234

ELEVATIONS IN FEET

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 50

RAILROADS
Normal gauge, single track 1.44m (4'8½")
Narrow gauge

BOUNDARIES
First-order administrative division

AREA FEATURES
Woods; brushwood; Scattered trees ..... NONE
Orchard; vineyard; Scrub ..... NONE

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 330 FEET
WITH SUPPLEMENTARY CONTOURS AT 165 FOOT INTERVALS

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

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA OPERATIONAL HELP DESK: 1-800-455-0899; COMMERCIAL 314-263-4884; DSN 693-4884; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN.: ES, MAIL STOP L-89, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

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ELEVATIONS IN FEET

AERODROMES (Military or Civil)
EDNA/50/s
Runway pattern known 725
EDNA—Name
50—Length of longuest runway to nearest hundreds of feet
s—Soft or unimproved surface
u—Unknown surface
725—Elevation
Field limits and runway pattern unknown
HELIPORT

RADIO FACILITIES
VOR VORTAC
TACAN VOR/DME
RADIO RANGE LF/MF ..... RING / HURN
MULTIPLE RADIO FACILITIES ..... NDB-RING / PARIS

CONTROLLED AIRSPACE
ADIZ ..... COMUS ADIZ

VISUAL AIDS AND OBSTRUCTIONS
Obstructions 1108 (258)
1108—Elevation of obstruction top, above sea level.
(258)—Elevation or obstruction top, above ground level.
Group obstruction
Radio facility obstruction
Power tranmission line
Visual ground sign ..... M
Aero light; Marine light

HYDROGRAPHY
Rocks, uncovering or awash
Exposed wreck
Limit of danger; Reef
Foreshore flat
Depth curve; Lighthouse

TERRAIN ELEVATIONS
Spot elevation, normal; critical *646 *840
HIGHEST KNOWN elevation is 5856 feet at the following coordinates:
Geographic ..... 23°02'N., 40°81'E.
Grid FFC447
± following elevation value indicates accuracy is not within 100 feet

Reprinted by NIMA 02-03

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: 12,500 feet 12 5

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.
Road classification should be referred to with caution.
BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITATIVE.

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