SERIES 1501 AIR
SHEET NH 32-11
EDITION 2

SERIES 1501 COMPANION SHEET IS EDITION 2

POPULATED PLACES
- Over 100,000 ALGER
- 50,000 to 100,000 SAFI
- 10,000 to 50,000 Settat
- 2,000 to 10,000 Tiflet
- Less than 2,000 Marchand

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 (3 LANES)
  - More than two lanes wide
  - 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 (4'8 1/2"); Double track
- Narrow gauge

BOUNDARIES
- International
- First-order administrative

OTHER FEATURES
- Area name AL BASŪS
- Mine or quarry
- Campsite; Ruins; Watermill
- School; Church; Landmark
- Mosque; Moslem shrine
- Small reservoir or cistern
- Well; Perennial; Intermittent; Spring
- Underground aqueduct with shafts
- Sabkha or Dry lake; Intermittent lake
- Single line intermittent stream; Wadi
- Marsh or swamp; Land subject to inundation
- Mound; Levee
- Mudflat; Distorted surface
- Sand, flat or rolling; Sand dunes
- Horizontal control point

VEGETATION
- Woods; brushwood; Scattered trees NONE
- Orchard, vineyard; Scrub NONE NONE

HYDROGRAPHY
- Rocks, uncovering or awash
- Exposed wreck
- Limit of danger; Reef
- Foreshore flat
- Depth curve; Lighthouse 20

TERRAIN ELEVATIONS
- Spot elevation, normal; critical •646 *840
- HIGHEST KNOWN elevation is 2201 feet at the following coordinates:
- Geographic 29°00'N. 10°29'E.
- Grid PT4410
- ± following elevation value indicates accuracy is not within 100 feet

AERODROMES (Military or Civil)
- Runway pattern known EDNA/50/s 725
- Field limits and runway pattern unknown
- HELIPORT

RADIO FACILITIES
- VOR VORTAC
- TACAN VOR/DME
- 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
- 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
03 JUNE 1992
Consult NOTAMS and Flight Information Publications for the latest air information; the DMA Aeronautical Chart Updating Manual or MDD (U.K.) Aeronautical Chart Amendment document, for other chart revision information.

MAGNETIC VARIATION FOR 1990 IS APPROXIMATELY 0°30' WEST OVER THE ENTIRE AREA
(Annual rate of change 5' decrease)

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 quandrangle, including terrain and obstructions (trees, towers, antennas, etc.).

EXAMPLE: 12,500 feet 125

LOCATION DIAGRAM
Boundary Representation is Not Necessarily Authoritative
(WAC INDEX SHOWN IN RED/BROWN)
(ONC INDEX SHOWN IN BLUE)

NH 32-1	NH 32-2	TUNISIA NH 32-3	NH 32-4	NH 33-1
NH 32-5	NH 32-6	NH 32-7	NH 32-8	NH 33-5
NH 32-9	NH 32-10 ALGERIA	6-3 NH 32-11	LIBYA NH 32-12	NH 33-9
NH 32-13	NH 32-14	NH 32-15	NH 32-16	NH 33-13
			451	450
		540	541	
NG 32-1	NG 32-2	NG 32-3	NG 32-4	NG 33-1

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SCALE 1:250,000
BI'R AL QALZAM, LIBYA

SERIES 1501 AIR
SHEET NH 32-11
EDITION 2

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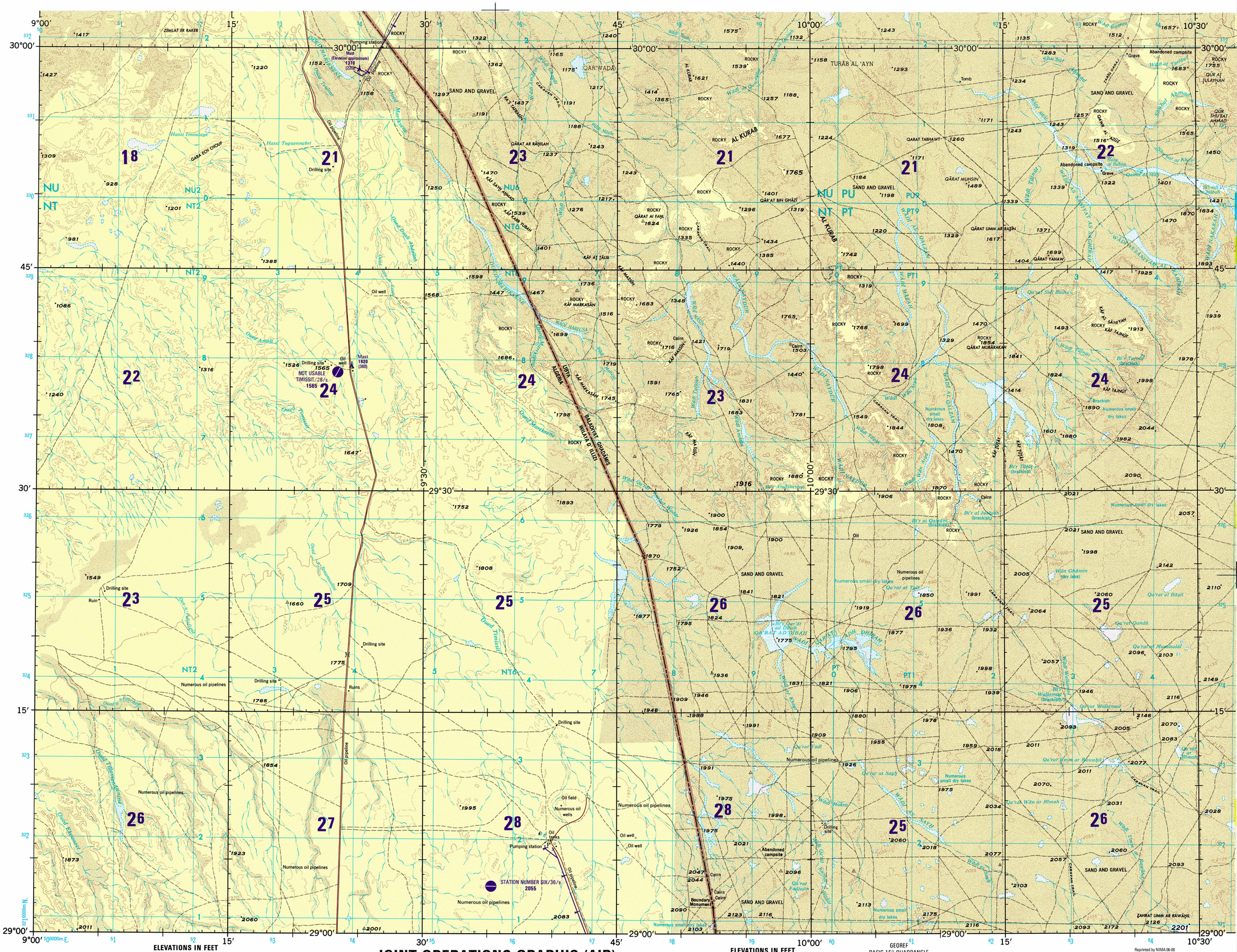

ELEVATIONS IN FEET

ELEVATIONS IN FEET

Prepared and published by the Defense Mapping Agency Aerospace Center, St. Louis, Missouri.
Compiled January 1992, Revised by DMAAC January 1992.

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
WITH SUPPLEMENTARY CONTOURS AT APPROXIMATELY 85 FEET

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 32, INTERNATIONAL ELLIPSOID.

COORDINATE CONVERSION FROM EUROPEAN DATUM, INTERNATIONAL ELLIPSOID TO WORLD GEODETIC SYSTEM 1984 DATUM, WORLD GEODETIC SYSTEM ELLIPSOID.
Grid: Subtract 89 m. E., Subtract 190 m. N.
Geographic: Subtract 3.2" Long., Subtract 4.6" Lat.

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-455-0899; COMMERCIAL 314-260-9202; DSN 490-9202; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN.: COD, MAIL STOP P-37, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003.

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

GRID ZONE DESIGNATION: 32R
100,000 M. SQUARE IDENTIFICATION

NU	PU
NT	PT

IGNORE the SMALLER figures of any grid number; these are for finding the full coordinates. Use ONLY the LARGER figure of the grid number; example: 32 10000

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1000 METERS

SAMPLE POINT: Bi'r Amāsīn

1. Read letters identifying 100,000 meter square in which the point lies. NT
2. Locate first VERTICAL grid line to LEFT of point and read LARGE figure labeling the line either in the top or bottom margin, or on the line itself: Estimate tenths from grid line to point: 9
3. Locate first HORIZONTAL grid line BELOW point and read LARGE figure labeling the line either in the left or right margin, or on the line itself: Estimate tenths from grid line to point: 6

SAMPLE REFERENCE: NT9064

If reporting beyond 9°N-S or 18°E-W, prefix Grid Zone Designation, as: 32RNT9064

GLOSSARY

Baladiyat	ADM1
Bi'r	well
Gara	hill
Hassi	well
Hesy	well
Kāf	hill
Oued	wadi, stream
Qahat	cisterns
Qa'rat	intermittent lake
Qāra	hill
Qōr	hills
Ra's	hill
Shu'bat	wadi
Sidi	shrine
Wādī	wadi
Wilayā	ADM1
Zahrat	hill
Zemlat	dunes

ELEVATION TINTS
FEET
660

GEOREF BASIC 15° QUADRANGLE
NH
30°
29°
KQ LQ
9° 10° 10°30'

RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)

I
II
III

PLOTTING ACCURACY 90% ASSURANCE	AREA I	AREA II	AREA III
Horizontal	within 1845 ft	within 1845 ft	
Contours	330 ft	330 ft	

GRAPHIC FEATURE	DATE OF INFORMATION AREA I	AREA II	AREA III
Man-made feature	1982-87	1982-88	
Vegetation	1982-87	1982-88	
Contours	1967	1967	
All other features	1967	1967	

Hozizontal Datum: European datum
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.
BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITATIVE.
ALIGNMENT OF ALL BOUNDARIES IS APPROXIMATE.
Road classification should be referred to with caution.

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