

SERIES 1501 AIR SHEET NH 42-3 EDITION 2

- POPULATED PLACES**
- Over 100,000: ISLAMABAD
 - 50,000-100,000: QUETTA
 - 10,000-50,000: Mianwali
 - 2,000-10,000: Fatejang
 - Less than 2,000: Akhori
- ROADS**
- Dual highway: 4 LANES DUAL
 - All weather, hard surface: More than two lanes wide, Two lanes wide, One lane wide
 - All weather, loose or light surface: More than two lanes wide, Two lanes wide, One lane wide
 - Fair or dry weather, loose surface: Cant track, Footpath, trail, Route marker
- RAILROADS**
- Normal gauge 1.44m (4'8 1/2")
 - Station position
 - Narrow gauge
- BOUNDARIES**
- International
 - First-order administrative division
- VEGETATION**
- Woods
 - Orchard, Scattered trees
- OTHER FEATURES**
- School, Church, Mosque
 - Landmark feature or object
 - Tank, Well, Wall, Fence
 - Hut, Area, Pass, Mine or quarry
 - Dam
 - Level: Distorted surface
- HYDROGRAPHY**
- Sabkha (Kavir), Intermittent lake
 - Intermittent streams: Single, Double line
 - Well: Perennial, Intermittent, Disappearing stream
 - Spring, fountain, cistern, Filtration bed
- TERRAIN ELEVATIONS**
- Spot elevation: Normal, Critical
 - HIGHEST KNOWN elevation is 11309 feet at the following coordinates: Geographic 31°41'N, 69°56'E Grid WA8905
- AERODROMES (Military or Civil)**
- EDNA/Name
 - Runway pattern known
- RADIO FACILITIES**
- RADIO RANGE LF/MF
 - MULTIPLE RADIO FACILITIES
 - RADIO AIDS TO NAVIGATION
 - VHF OMNI RANGE (VOR)
 - VORTAC
 - TACAN
 - VOR with DME
 - Other facilities
- VISUAL AIDS AND OBSTRUCTIONS**
- Obstruction
 - Group obstruction
 - Radio facility obstruction
 - Power transmission line
 - Visual ground sign
 - Aero light, Marine light
- CONTROLLED AIRSPACE**
- ADIZ

CAUTION
Vertical obstructions, including powerlines, have been omitted from this chart for clarity. 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 1°30' EAST OVER THE ENTIRE AREA
(Annual rate of change, 1' increase)

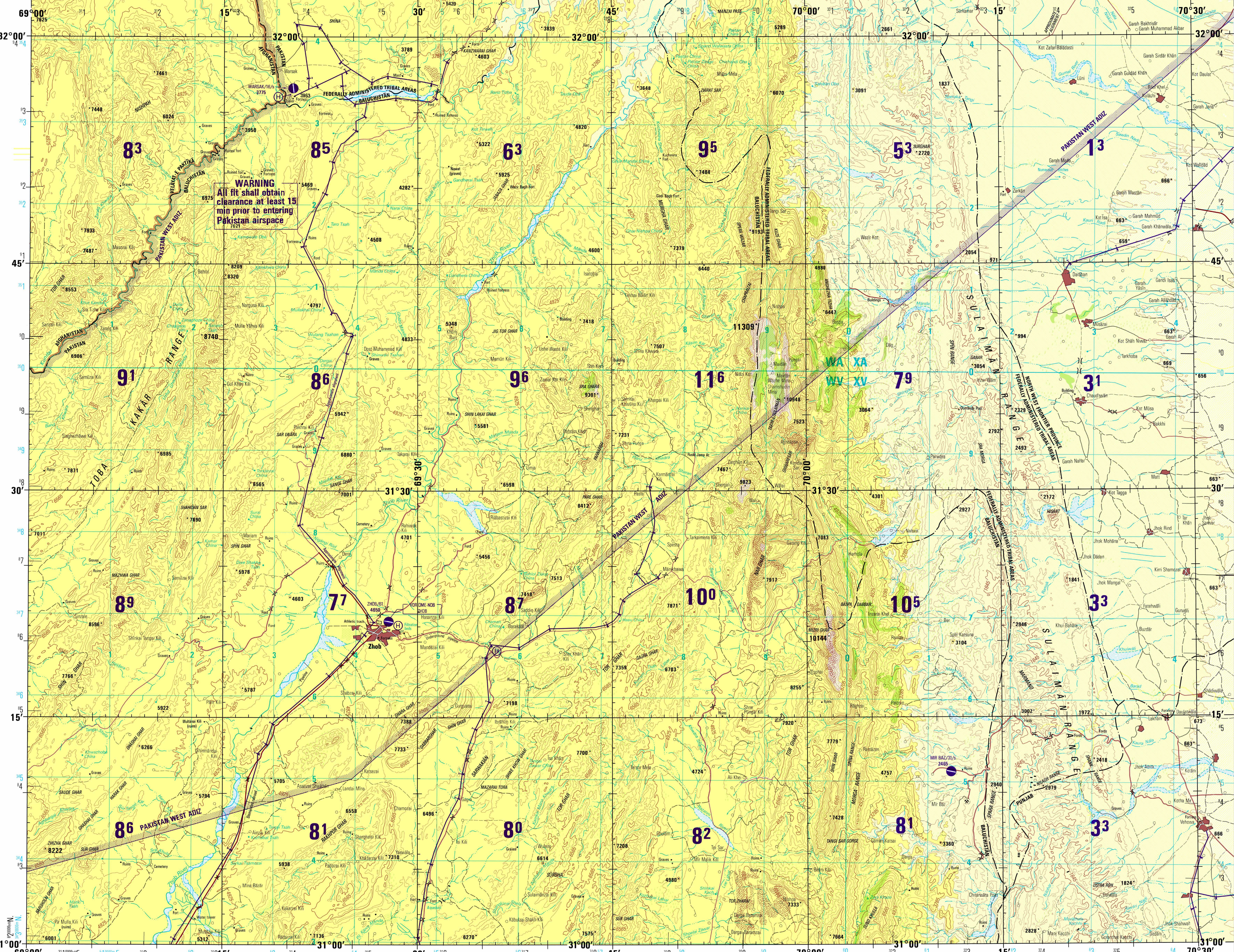
ATTENTION
THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)
The Maximum Elevation Figures shown in quadrangles bounded by ticked lines of latitude and longitude are represented in THOUSANDS and HUNDREDS of feet above mean sea level. The MEF is based on information available concerning the highest known feature in each quadrangle, including terrain and obstructions (trees, towers, antennas, etc.).
EXAMPLE: 12,500 feet 125

LOCATION DIAGRAM
(WAC INDEX SHOWN IN RED/BROWN)

NI 42-8	NI 42-10	NI 42-11	NI 42-12	NI 42-9
NI 42-13	NI 42-14	NI 42-15	NI 42-16	NI 42-17
NI 42-18	NI 42-19	NI 42-20	NI 42-21	NI 42-22
NI 42-23	NI 42-24	NI 42-25	NI 42-26	NI 42-27
NI 42-28	NI 42-29	NI 42-30	NI 42-31	NI 42-32

Scale 1:250,000
ZHOBI, PAKISTAN; AFGHANISTAN

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COORDINATE CONVERSION WGS 84 TO INDIAN DATUM
Geographic: Lat. 1.1° Long. 69.9° UTM
COORDINATE CONVERSION WGS 84 TO HEART NORTH
Grid: Salsot 231 N.E., Salsot 5 N.1. UTM
Geographic: Salsot 231 N.E., Salsot 5 N.1. UTM

500,000 YARD (Half Mile) and 100,000 YARD (Large Square) SQUARE IDENTIFICATIONS

RB	MX	8
MW	MX	9
RB	MC	7
7C		4

TO ONE A 5-DIGIT REFERENCE ON THIS SHEET TO NEAREST 100 YARDS

SAMPLE POINT: TARKHAYENIA KEY

1. Read letters identifying 100,000 Yard square in which the point lies.

2. Locate first VERTICAL, and line to LEFT of point and read LARGE figure showing the line letter in the column range, or on the line itself.

3. Locate first HORIZONTAL, and line BELOW point and read LARGE figure showing the line letter in the row range, or on the line itself.

4. Estimate tenths from grid line to point.

SAMPLE REFERENCE: 89324
If rounded beyond 500,000 yards prefix with 100,000 Yard Square Identification, etc. 898274

ELEVATIONS IN FEET
THE DATUM AND RELATIONS FOR THIS AREA HAVE CHANGED. UNITS AND ADJUSTMENT AND OVERLAPPING CHARTS ARE CONVERTED. THE NEW GRID VALUES ARE SHOWN IN BLUE AND THE OLD IN BLACK.

COORDINATE CONVERSION WGS 84 TO WGS 72
Grid: Salsot 231 N.E., Salsot 5 N.1. UTM
Geographic: Salsot 231 N.E., Salsot 5 N.1. UTM

SAMPLE 1,000 METER REFERENCE

1. Read letters identifying the 10,000 meter square in which the point lies.

2. Read large number showing the VERTICAL grid line letter at point.

3. Estimate tenths (1,000 meters) from grid line to point.

4. Read large number showing the HORIZONTAL grid line letter at point.

5. Estimate tenths (1,000 meters) from grid line to point.

EXAMPLE: AB1234

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION.

SAMPLE REFERENCE: 42R

JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000
CONTOUR INTERVAL APPROXIMATELY 330 FEET WITH SUPPLEMENTARY CONTOURS AT APPROXIMATELY 165 FOOT INTERVALS

BLACK NUMBERED TICKS INDICATE THE 10,000 YARD INDIAN ZONE I GRID, EVEREST ELLIPSOID.

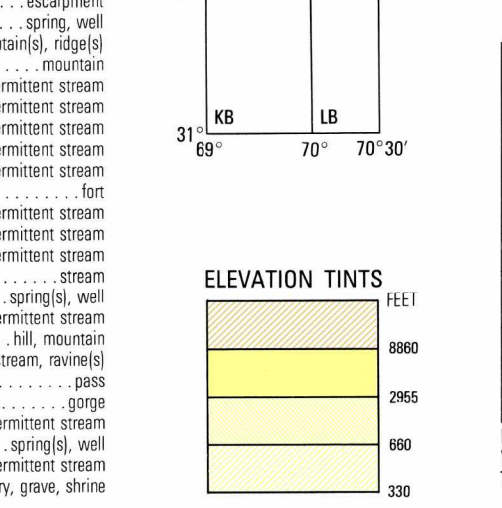
USERS SHOULD REFER TO CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NGA OPERATIONAL HELP DESK: 1-800-455-0000 COMMERCIAL 214-261-0000 OR WRITE TO DIRECTOR, NATIONAL GEOGRAPHIC INTELLIGENCE AGENCY, ATTN: ES, MAIL STOP 1-88, 4800 SANDHAMORE ROAD, BETHESDA, MD 20815-0003.

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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
100	31	1000	305

GEOREF BASIC 15° QUADRANGLE



RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)

PLOTTING ACCURACY 90% ASSURANCE

GRAPHIC FEATURE	DATE OF INFORMATION
Contours	1983
All other features	See diagram

Horizontal Datum: World Geodetic System 1984
Vertical Datum: Mean Sea Level
Transverse Mercator Projection

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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.
THE REPRESENTATION OF INTERNATIONAL BOUNDARIES IS NOT NECESSARILY AUTHENTICATIVE.
ALIGNMENT OF ALL BOUNDARIES IS APPROXIMATE.

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