

SERIES 1501  
SHEET NL 49-1  
EDITION 1

- POPULATED PLACES**
- Named  $\circ$
  - Unnamed  $\circ$
- First importance**..... ULAANBAATAR  
**Second importance**..... CHOYBALSAN  
**Third importance**..... MORON  
**Fourth importance**..... Dzanin Uud  
**Fifth importance**..... Salgar
- ROADS**
- All weather, hard surface
  - Two or more lanes
  - One lane
  - All weather, loose or light surface
  - Two or more lanes
  - One lane
  - Fair or dry weather, loose surface
  - Track or trail
- RAILROADS**
- Normal gauge 5' 6.52 meters
  - Narrow gauge
  - Station, approximate location
- BOUNDARIES**
- International
  - First-order administrative division
  - Reservation
- VEGETATION**
- Woods
  - Rice paddy; land subject to inundation
  - Wells; Perennial; Intermittent
  - Intermittent streams; Single; Double line
  - Disappearing stream; Swamp or marsh
  - Intermittent lake; Dry lake
- OTHER FEATURES**
- Glaciers, Snowfield
  - Horizontal control point; Landmark; Mine
  - Lavay; Dam or lock; Sand
  - Dunes; Crescent; Lateral; Ripple
- TERRAIN ELEVATIONS**
- Spot elevations: Normal; Critical
  - Highest known elevation is 2171 meters at 47°54'N, 108°01'E.
  - The accuracy of all elevations on the graphic is not within 30 meters.
- AERODROMES (Military or Civil)**
- EDNA 221
  - Field limits with runway pattern
  - EDNA Name
  - Elevation
  - Field limits, with runway pattern unknown
  - Field limits unknown, with runway pattern
  - Field limits and runway pattern unknown
- SEAPLANE BASE**
- SEAPLANE (EMERGENCY)**
- VISUAL AIDS AND OBSTRUCTIONS**
- Obstruction
  - 338 - Elevation of obstruction top, above sea level (79)
  - 79 - Elevation of obstruction top, above ground level
  - Group obstruction
  - Radio facility obstruction
  - Power transmission line

1970 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 4° (70 MILES) WESTERLY FOR THE CENTER OF THE WEST EDGE TO 5° (90 MILES) WESTERLY FOR THE CENTER OF THE EAST EDGE.

**LOCATION DIAGRAM**  
(VIC INDEX SHOWN IN BLUE)  
(IWC INDEX SHOWN IN RED/BROWN)

48°00'	108°00'	108°15'	108°30'	108°45'	109°00'	109°15'	109°30'	109°45'	110°00'
48°00'	48°15'	48°30'	48°45'	49°00'	49°15'	49°30'	49°45'	50°00'	50°15'

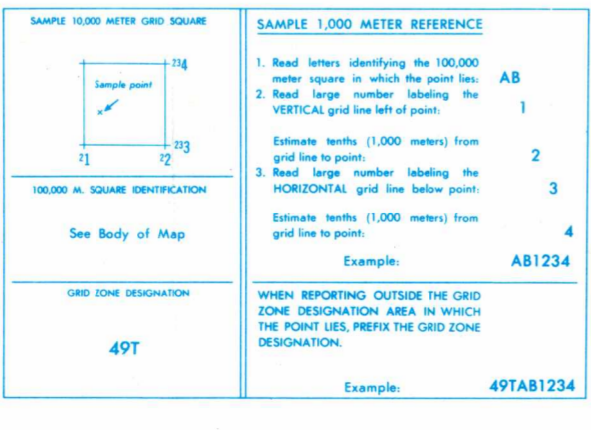
Prepared and published by the Defense Mapping Agency  
Topographic Center, Washington, D. C. Compiled  
June 1974.

**SCALE 1:250,000**  
**TSENHERMANDAL, MONGOLIA**

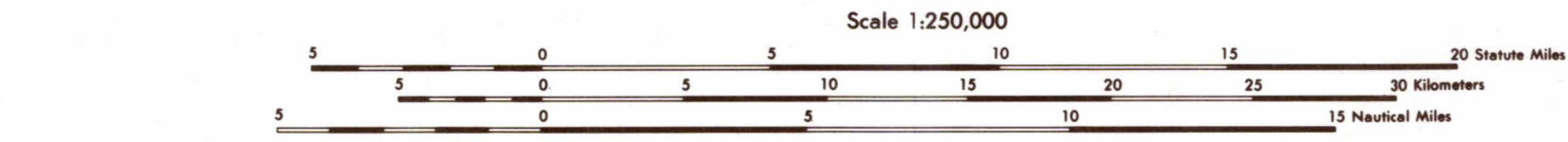
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**CONVERSION OF ELEVATIONS**

METERS	FEET	METERS	FEET
1000	3281	10000	32808
900	2953	9000	29528
800	2625	8000	26247
700	2297	7000	22966
600	1969	6000	19685
500	1640	5000	16404
400	1312	4000	13123
300	984	3000	9842
200	656	2000	6561
150	492	1500	4921
100	328	1000	3281



**JOINT OPERATIONS GRAPHIC**



CONTOUR INTERVAL 50 METERS WITH SUPPLEMENTARY CONTOURS AT 25 METER INTERVALS

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 49, INTERNATIONAL SPHEROID

USERS SHOULD REFER TO CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP BOOK: 1:500,000-SCALE COMMERICAL 1:50,000-SCALE 1:250,000-SCALE 1:100,000-SCALE 1:50,000-SCALE 1:25,000-SCALE NATIONAL IMAGERY AND MAPPING AGENCY, 4800 SANGAMORE ROAD, BETHESDA, MD 20815-5003

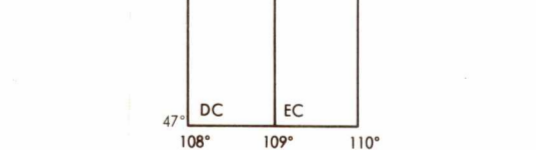
ELEVATIONS IN METERS



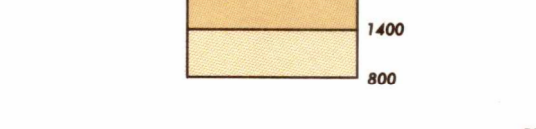
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GEOREF BASIC 15' QUADRANGLE VK



ELEVATION TINTS



- GLOSSARY**
- Aymag ..... province
  - Bulag ..... spring
  - Davaa ..... mountain pass
  - Gol ..... river
  - Hudag ..... well
  - Nuur ..... mountain range
  - Ovoo ..... lake
  - Uul ..... plain, steppe
  - Tal ..... mountain

Compiled from best available source materials

20° MATCH DETAIL OF THIS GRAPHIC ALONG THE WEST EDGE (WORLD GEODESIC SYSTEM 1961) USE TICKS SHOWN ON SHEET NL 48-3

Horizontal Datum: Nanking  
Vertical Datum: Approximate MSL  
Transverse Mercator Projection

ELEVATIONS IN METERS



CONTOUR INTERVAL 50 METERS WITH SUPPLEMENTARY CONTOURS AT 25 METER INTERVALS

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 49, INTERNATIONAL SPHEROID

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Horizontal Datum: Nanking  
Vertical Datum: Approximate MSL  
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**NOTES**

THIS GRAPHIC IS NOT AN AUTHORITY ON INTERNATIONAL BOUNDARIES.

Only obstructions 61 meters or more above ground level are shown.

Road classification should be referred to with caution.

On this graphic a lane is generally considered as being 8 to 16 feet (2.44 to 4.88 meters) in width.

Figures along roads indicate approximate distances in kilometers.

NAMES ON THIS GRAPHIC DO NOT NECESSARILY INDICATE OFFICIAL RECOGNITION OF THE POLITICAL STATUS OF THE AREA CONCERNED.

THE INTERNAL ADMINISTRATIVE BOUNDARIES ARE NOT TO BE CONSIDERED AUTHORITY.

Alignment of all boundaries is approximate.

The reliability of vegetation information is unestimated.

Names for symbolized populated places are omitted where information is not available or where density of detail does not permit their inclusion.

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