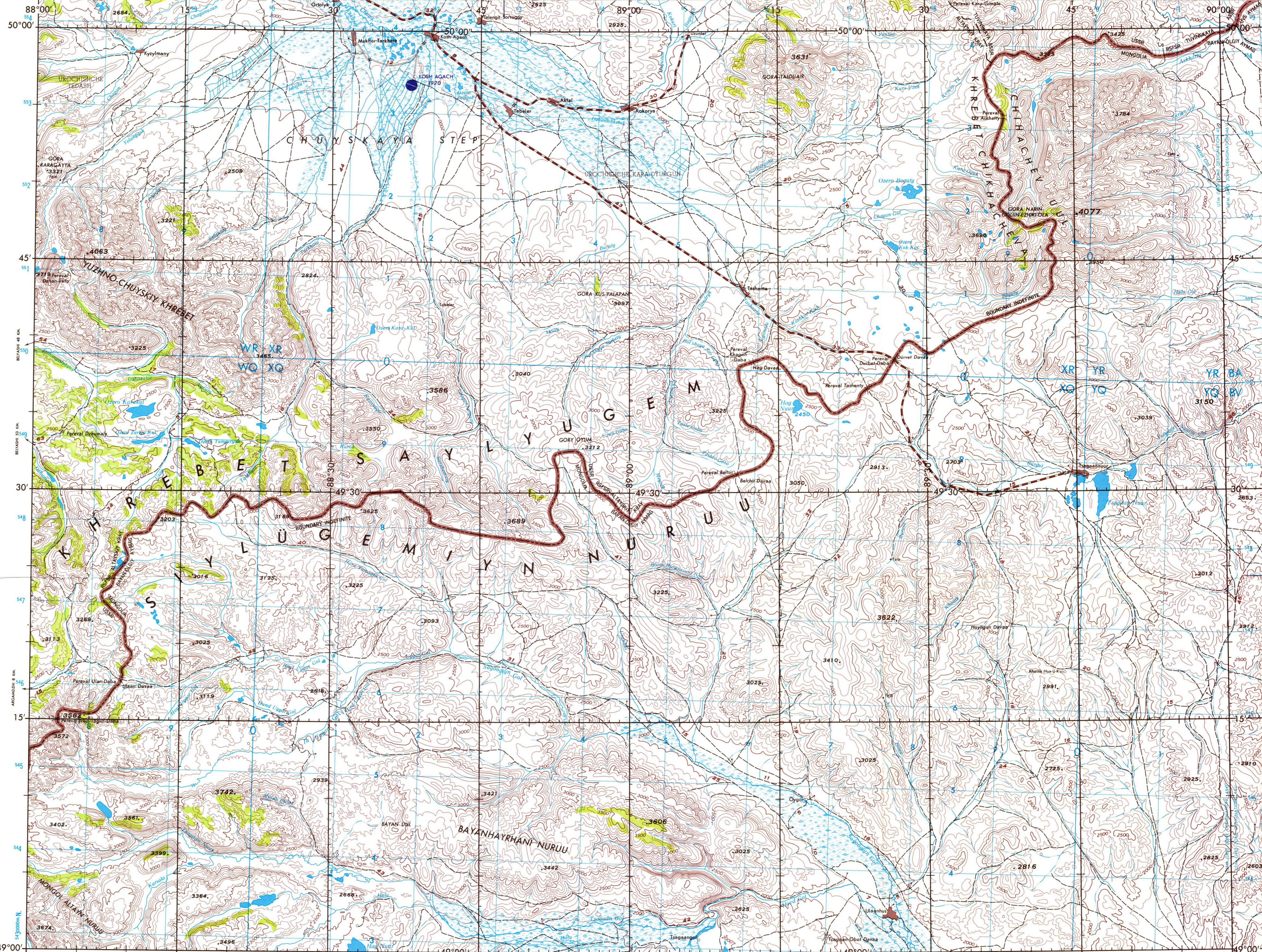


SERIES 1501
SHEET NM 45-9
EDITION 1

- POPULATED PLACES**
- First importance: ULAANBAATAR
 - Second importance: CHOVBALSAN
 - Third importance: MÖRON
 - Fourth importance: DZamin ÜÜd
 - Fifth importance: Salgar
- ROADS**
- All weather, hard surface: 3 LANES, Two or more lanes wide, One lane wide
 - All weather, loose or light surface: 3 LANES, Two or more lanes wide, One lane wide, Fair or dry weather, loose surface, Track or trail
- RAILROADS**
- Normal gauge (1.44 m (4'8 1/2")): Single track, Multiple track
 - Narrow gauge: Station, approximate location
- BOUNDARIES**
- International: First-order administrative division, Second-order administrative division
- VEGETATION**
- Woods: Various symbols for different types of woods
- HYDROGRAPHY**
- Rice paddy, land subject to inundation: Various symbols
 - Wet, Perennial, Intermittent, Intermittent streams: Single, Double line
 - Disappearing stream, Swamp or marsh, Intermittent lake, Dry lake: Various symbols
- OTHER FEATURES**
- Glaciers, Snowfield: Various symbols
 - Horizontal control point, landmark, Mine: Various symbols
 - Levee, Dam or lock, Sand, Dunes, Crescent, Lateral, Ripple: Various symbols
- TERRAIN ELEVATIONS**
- Spot elevations: Normal, Critical: '115 '2213
 - HIGHEST KNOWN elevation is 4077 meters at 49°48'N, 89°45'E
 - The accuracy of all elevations shown on the graphic is not within 30 meters.
- AERODROMES (Military or Civil)**
- Field limits with runway pattern: EDNA 221
 - Field limits with runway patterns unknown: Various symbols
 - Field limits unknown, with runway pattern: Various symbols
 - Field limits and runway patterns unknown: Various symbols
- SEAPLANE BASE**
- SEAPLANE (EMERGENCY): Various symbols
- HELIPORT**
- HELIPORT: Various symbols
- VISUAL AIDS AND OBSTRUCTIONS**
- Obstruction: 338 (Elevation of obstruction top, above sea level), 079 (Elevation of obstruction top, above ground level)
 - Group obstruction: Various symbols
 - Radio facility obstruction: Various symbols
 - Power transmission line: Various symbols



1975 MAGNETIC DECLINATION FROM TRUE NORTH FOR THIS SHEET VARIES FROM 43° (80 MILS) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 4° (70 MILS) EASTERLY FOR THE CENTER OF THE EAST EDGE.

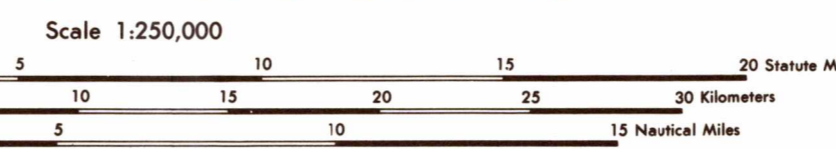
LOCATION DIAGRAM
(CONC INDEX SHOWN IN BLUE)
(IWC INDEX SHOWN IN RED/BROWN)

NM 45-1	NM 45-2	NM 45-3	NM 45-4	NM 45-5
NM 45-6	NM 45-7	NM 45-8	NM 45-9	NM 45-10
NM 45-11	NM 45-12	NM 45-13	NM 45-14	NM 45-15
NM 45-16	NM 45-17	NM 45-18	NM 45-19	NM 45-20

Prepared and published by the Defense Mapping Agency Topographic Center, Washington, D. C. Compiled in 1977 from best available source materials.

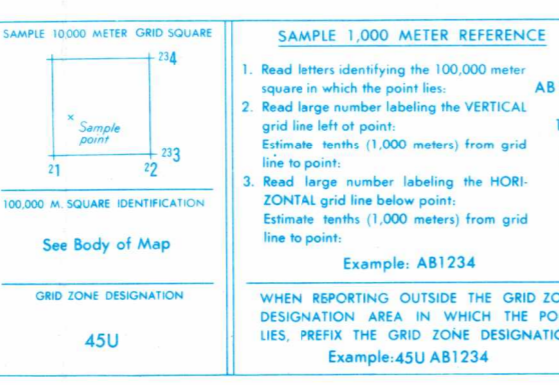
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Distribution authorized to DoD, IAW 10 USC: 8930 & 495. Release authorized to U.S. DoD contractors, IAW 48 CFR: 502.245-700. Ruler other requests to Headquarters, NIMA, ATTN: Release Officer, Stop P-25. Destroy as 'For Official Use Only.' Removal of this caveat is prohibited.

JOINT OPERATIONS GRAPHIC



CONVERSION OF ELEVATIONS

METERS	FEET	METERS	FEET
1000	3281	10000	32808
900	2933	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



BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 45, WORLD GEODETIC SYSTEM

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS FOR IMPROVING THIS PRODUCT TO:
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UK Users: Director, General of Military Survey, Ministry of Defense, Elmwood Avenue, Farnham, Middlesex, England TW 13 7AH

- GLOSSARY**
- ASSR (Autonomous Soviet Socialist Republic): Dotted line
 - second-order administrative division: Dashed line
 - Aymag: Dotted line
 - Davaa: Dotted line
 - Gol: Dotted line
 - Gora: Dotted line
 - Khireet: Dotted line
 - Kray: Dotted line
 - Nuruu: Dotted line
 - Nuur: Dotted line
 - Ozero: Dotted line
 - Perelval: Dotted line
 - RSFSR (Russian Soviet Federated Socialist Republic): Dotted line
 - step: Dotted line
 - Uul: Dotted line

RELIABILITY OF THIS GRAPHIC
Compiled from best available source materials.
Horizontal Datum: World Geodetic System
Vertical Datum: Mean Sea Level
Transverse Mercator Projection

NOTES

- No obstructions 61 meters or more above ground level are known to exist in this area.
- Names for symbolized populated places are omitted where information is not available or where density of detail does not permit their inclusion.
- NAMES ON THIS GRAPHIC DO NOT NECESSARILY INDICATE OFFICIAL RECOGNITION OF THE POLITICAL STATUS OF THE AREA CONCERNED.
- On this graphic a lane is generally considered to be 8 to less than 18 feet (2.44 to less than 5.5 meters) in width.
- Road classifications should be referred to with caution.
- Figures along roads indicate approximate distances in kilometers.
- THE REPRESENTATION OF INTERNATIONAL BOUNDARIES IS NOT NECESSARILY AUTHORITY.
- THE INTERNAL ADMINISTRATIVE BOUNDARIES ARE NOT TO BE CONSIDERED AUTHORITY.
- Alignment of all boundaries is approximate.

SCALE 1:250,000
TSAGAANNUUR
MONGOLIA, U. S. S. R.

SERIES 1501
SHEET NM 45-9
EDITION 1

NSN 764301407531
ED. NO. 001
NIMA REF. NO. 1501XNM4509