

SERIES 1501 AIR  
SHEET NN 48-11  
EDITION 1

SERIES 1501 COMPANION SHEET IS EDITION 2

POPULATED PLACES

- Over 100,000
- 50,000 to 100,000
- 10,000 to 50,000
- 2,000 to 10,000
- Less than 2,000

IRKUTSK  
SHELEKHOV  
Slyudyanka  
Meget

ROADS

- Dual highway
- All weather, hard surface
- Two or more lanes wide
- One lane wide
- All weather, loose or light surface
- Two or more lanes wide
- One lane wide
- Fair or dry weather, loose surface
- Cart track
- Trail (footpath)
- Road marker: National

RAILROADS

- Normal gauge 1.52m (5'0")
- Single track
- Multiple track
- Rail yard
- Railroad siding
- Electrified railroad

MISCELLANEOUS CULTURE

- Mine or quarry
- School, Landmark building
- Tank

BOUNDARIES

- International
- First order administrative division

VEGETATION

- Woods

HYDROGRAPHY

- Intermittent lake
- Seawalls, Piers
- Swamp or marsh
- Depth contour
- Intermittent stream
- Dam; Perennial lake
- Falls, Rapids
- Exposed wreck
- Perennial stream
- Rocks: Uncovering, Awash
- Land subject to inundation
- Well; Spring

TERRAIN ELEVATIONS

- Spot elevation: Normal, Critical
- HIGHEST KNOWN elevation is 3863 feet at the following coordinates:
- Geographic: 52°29' N, 105°53' E
- Grid: VD0616

AERODROMES (Military or Civil)

- EDNA / 50 / s
- Runway pattern known
- EDNA Name
- 50 - Length of longest runway to nearest hundreds of feet
- s - Soft or unimproved surface
- u - Unknown surface
- 725 - Elevation
- Runway pattern unknown

HELIPORT / HELIPAD

RADIO FACILITIES

- VHF OMNI RANGE (VOR)
- VORTAC
- TACAN
- VOR with DME
- Other facilities

CONTROLLED AIRSPACE

VISUAL AIDS AND OBSTRUCTIONS

- Obstruction
- 1100 - Elevation of obstruction top, above sea level
- 2000 - Elevation of obstruction top, above ground level
- Group obstruction
- Radio facility obstruction
- Power transmission line
- Visual ground sign
- 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 3 APRIL 2000

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.

LINE OF EQUAL MAGNETIC VARIATION FOR 2000 (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

ICMC INDEX SHOWN IN BLUE  
IMAC INDEX SHOWN IN RED/BROWN

59° 00' N	104° 00' E	104° 15' E	104° 30' E	104° 45' E	105° 00' E
59° 00' N	104° 00' E	104° 15' E	104° 30' E	104° 45' E	105° 00' E
59° 00' N	104° 00' E	104° 15' E	104° 30' E	104° 45' E	105° 00' E
59° 00' N	104° 00' E	104° 15' E	104° 30' E	104° 45' E	105° 00' E
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59° 00' N	104° 00' E	104° 15' E	104° 30' E	104° 45' E	105° 00' E

SCALE 1:250,000  
IRKUTSK, RUSSIA

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CONVERSION OF ELEVATIONS

FEET	METERS	FEET	METERS
900	274	1000	304
800	244	900	274
700	213	800	243
600	183	700	213
500	152	600	182
400	122	500	152
300	91	400	121
200	61	300	91
100	31	200	61
50	15	100	31
0	0	1000	305



Prepared and published by the National Imagery and Mapping Agency  
MAP INFORMATION AS OF 1997

COORDINATE CONVERSION WGS 84 TO WGS 72  
Grid: Subtract 10m E, Subtract 5m N  
Geographic: Subtract 6" Long, Subtract 0.1" Lat.

GRID COORDINATE	EXAMPLE
100,000-SQUARE IDENTIFICATION	48U
1-KILOMETER SQUARE IDENTIFICATION	48U1234

ELEVATIONS IN FEET

JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000



CONTOUR INTERVAL APPROXIMATELY 165 FEET

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 48, WORLD GEODETIC SYSTEM ELLIPSOID 1984

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-455-5899, COMMERCIAL 314-500-5022, DSN 490-5022; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: CDD, MAIL STOP P-31, 4600 SANGAMO ROAD, BETHESDA, MD 20816-6003

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GLOSSARY

Autonomy Divag - first order administrative division  
Gora - mountain  
Golba - bay  
Khrebet - mountain range  
Mys - point  
Dobry - good  
Ost - first order administrative division  
Ostrov - island  
Respublika - republic  
Stantsiya - station  
Vodoprovodnyye - reservoir(s)  
Vozvysheniye - upland

GEOREF BASIC 15' QUADRANGLE

53° 00' N	104° 00' E	105° 00' E
52° 00' N	104° 00' E	105° 00' E

ELEVATION TINTS

FEET	PERCENT
600	26%
680	

RELIABILITY OF THIS GRAPHIC (as determined by standard practice)

1997	1997
1998	1997

PLOTTING ACCURACY 90% ASSURANCE

Horizontal	within 425 ft.
Contour	within 85 ft.

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

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.  
Boundary representation is not necessarily authoritative.

NIMA Ref No. 1501ANN4811

ED NO 001