

SERIES 1501 AIR SHEET NO 46-12 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
- ROADS**
- 4 LANES DUAL
 - 3 LANES
 - 2 LANES
 - 1 LANE
- RAILROADS**
- Normal gauge 5' (1.52m)
 - Narrow gauge
- BOUNDARIES**
- International
 - First-order administrative division
 - Reservation
- OTHER FEATURES**
- Landmark
 - Horizontal control point
 - Level: Barometer
 - Mine
 - Dam or lock, Sand
- VEGETATION**
- Woods
 - Scattered trees
- HYDROGRAPHY**
- Well: Perennial, Intermittent
 - Intermittent streams: Single, Double line
 - Disappearing stream: Swamp or marsh
 - Intermittent lake: Dry lake
- TERRAIN ELEVATIONS**
- Spot elevation: normal, elevation
 - HIGHEST KNOWN elevation is 2329 feet at the following coordinates: Geographic: 56°20'N, 94°43'E Grid: FJ0850
- AERODROMES (Military or Civil)**
- Runway pattern known
 - Runway pattern unknown
- HELPO/HELIPAD**
- HELPO/HELIPAD
- RADIO AIDS TO NAVIGATION**
- VHF OMNI RANGE (VOR)
 - VORTAC
 - TACAN
 - VOR with DME
 - Other facilities
- RADIO FACILITIES**
- RADIO RANGE LF/MF
 - MULTIPLE RADIO FACILITIES
- CONTROLLED AIRSPACE**
- ADIZ
- VISUAL AIDS AND OBSTRUCTIONS**
- Obstruction
 - Group obstruction
 - Radio facility obstruction
 - Power transmission line
 - Visual ground sign
 - Aero light: Marine light

CAUTION
AIR INFORMATION CURRENT THROUGH 25 AUGUST 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.

ATTENTION
LINES OF EQUAL MAGNETIC VARIATION FOR 1995 (Annual rate of change, 3' increase)

THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)
The Maximum Elevation Figures shown in quadrangles located 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 features in each quadrangle, including terrain and obstructions (trees, towers, antennas, etc.).
12⁵
EXAMPLE: 12,500 feet.

LOCATION DIAGRAM
ONE INDEX SHOWN IN BLUE (WAC INDEX SHOWN IN RED/BROWN)

NO 46-4	NO 46-5	NO 46-6	NO 47-5
NO 46-7	NO 46-8	NO 46-9	NO 47-8
NO 46-10	NO 46-11	NO 46-12	159 127 NO 47-11
NO 46-1	NO 46-2	NO 46-3	NO 47-2
NO 46-4	NO 46-5	NO 46-6	NO 47-5

Prepared and published by the National Imagery and Mapping Agency. Compiled May 1998.
MAP INFORMATION AS OF 1997.



CONVERSION OF ELEVATIONS

FEET	METERS	FEET	METERS
1000	305	10000	3048
900	274	9000	2743
800	244	8000	2438
700	213	7000	2134
600	182	6000	1829
500	152	5000	1524
400	122	4000	1219
300	91	3000	914
200	61	2000	610
150	46	1000	457
100	31	1000	305

SCALE: 1:250,000
KANSK, RUSSIA

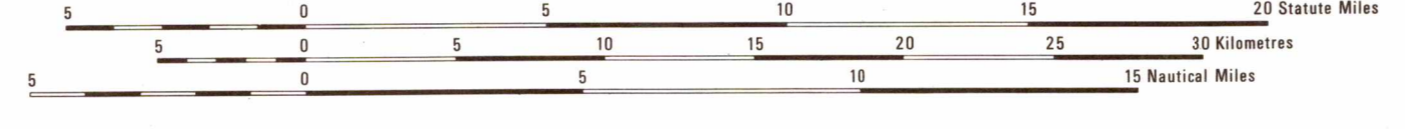
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JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000



CONTOUR INTERVAL 85 FEET

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 46, WORLD GEODETIC SYSTEM 1984 ELLIPSOID

COORDINATE CONVERSION FROM WGS 84 TO WGS 72
Grid: Subtract 4m N, Subtract 10m E
Geographic: Subtract 0.1" Lat., Subtract 0.6" Long.

SAMPLE 1,000 METER QUAD REFERENCE

1. Read across identifying the 1000 meter square in which the point lies. AB

2. Read large number labeling the VERTICAL grid line left of point. Estimate within 1,000 meters from grid line to point. 2

3. Read large number labeling the HORIZONTAL grid line below point. Estimate within 1,000 meters from grid line to point. 4

Sample: AB1234

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

Sample: 46V AB1234

- GLOSSARY**
- Bozoto marsh
 - Kray first-order administrative division
 - Kryash ridge
 - Krasnoyarskaya Stanitsiya meteorological station
 - Ozernoychyy Punkt railroad stop
 - Ozero lake
 - Razvaliny ruins
 - Stantsiya station

RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)

1997

PLOTTING ACCURACY ASSURANCE

Horizontal Contours within 425 ft.

Vertical Contours within 80 ft.

GRAPHIC FEATURE DATE OF INFORMATION

ALL FEATURES See Diagram

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.

A one lane road is from 8 to 18 feet (2.5 to less than 5.5 meters) wide. For roads two or more lanes wide, a lane is considered to be from 8 to 13 feet (2.7 to 4.1 meters) wide.

BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITY.

Road classification should be referred to with caution.

PLANNING ACCURACY ASSURANCE

Horizontal Contours within 425 ft.

Vertical Contours within 80 ft.

GRAPHIC FEATURE DATE OF INFORMATION

ALL FEATURES See Diagram

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

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