

SERIES 1501 AIR SHEET NO 38-7 EDITION 1

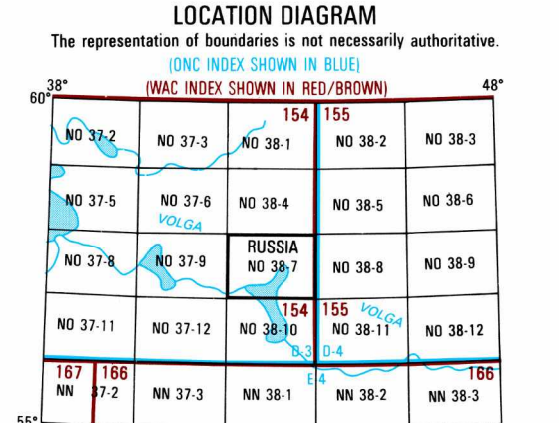
- POPULATED PLACES**
- Over 100,000 **MOSKVA**
 - 50,000 to 100,000 **KLIMOVSK**
 - 10,000 to 50,000 **Obukhovo**
 - 2,000 to 10,000 **Kubinka**
 - Less than 2,000 **Dubny**
- ROADS**
- Dual highway **4 LANES DUAL**
 - All weather, hard surface **4 LANES**
 - More than two lanes wide **4 LANES**
 - Two lanes wide **4 LANES**
 - One lane wide **4 LANES**
 - All weather, loose or light surface **3 LANES**
 - More than two lanes wide **3 LANES**
 - Two lanes wide **3 LANES**
 - One lane wide **3 LANES**
 - Fair or dry weather, loose surface **3 LANES**
 - Cart track **3 LANES**
 - Footpath, trail **3 LANES**
 - Route marker **3 LANES**
- RAILROADS**
- Normal gauge, single track 1.52m (5'); Double track **50**
 - Narrow gauge **50**
- BOUNDARIES**
- International **---**
 - First-order administrative **---**
- OTHER FEATURES**
- Mine or quarry **⊗**
 - Campsite; Ruins; Watermill **⊕**
 - School; Church; Landmark **⊕**
 - Mosque; Moslem shrine **⊕**
 - Small reservoir or cistern **⊕**
 - Well; Perennial; Intermittent; Spring **⊕**
 - Underground aqueduct with shafts **⊕**
 - Sabkha or Dry lake; Intermittent lake **⊕**
 - Single line intermittent stream; Wadi **⊕**
 - Marsh or swamps; Land subject to inundation **⊕**
 - Mound; Levee **⊕**
 - Mudflat; Distorted surface **⊕**
 - Sand; flat or rolling; Sand dunes **⊕**
 - Horizontal control point **⊕**
- VEGETATION**
- Woods; brushwood **⊕**
 - Orchard; vineyard **⊕**
- TERRAIN ELEVATIONS**
- Spot elevation; normal; critical **645 - 940**
 - HIGHEST KNOWN elevation is **689** feet at the following coordinates: **57°14'N, 43°42'E**
 - Geographic Grid **MJ2145**
 - ± following elevation value indicates accuracy is not within 100 feet

- AERODROMES (Military or Civil)**
- Runway pattern known **EDNA/50/s 725**
 - EDNA-Name **530 (205)**
 - 50-Length of longest runway to nearest hundreds of feet **s**
 - Soft or unimproved surface **s**
 - Unknown surface **s**
 - Elevation **725**
 - Runway pattern unknown **(H)**
- HELIPORT/HELIPAD**
- (H)**
- RADIO AIDS TO NAVIGATION**
- VHF OMNI RANGE (VOR) **(V)**
 - VORTAC **(V)**
 - TACAN **(T)**
 - VOR with DME **(V)**
 - Other facilities **(V)**
- RADIO FACILITIES**
- RNC **(R)**
 - MURM **(M)**
 - RADIO RANGE LF/MF **(R)**
 - MULTIPLE RADIO FACILITIES **(R)**
- CONTROLLED AIRSPACE**
- ADIZ **(A)**
- VISUAL AIDS AND OBSTRUCTIONS**
- Obstruction **(O)**
 - 1188 Elevation of obstruction top, above sea level **(258)**
 - (258)-Elevation of obstruction top, above ground level
 - Group obstruction **(O)**
 - Radio facility obstruction **(O)**
 - Power transmission line **(P)**
 - Visual ground sign **(M)**
 - Aero light; Marine light **(S)**

CAUTION
AIR INFORMATION CURRENT THROUGH
 2 APRIL 1998
 Consult NOTAMS and Flight Information Publications for the latest air information; the NIMA Aeronautical Chart Updating Manual or MOD (UK) Aeronautical Chart Amendment Document for other chart revision information.

LINES OF EQUAL MAGNETIC VARIATION FOR 1995
 (Annual rate of change 2' 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 concerning the highest known features in each quadrangle, including terrain and obstructions (towers, antennas, etc.). In areas of extensive unrelieved relief, the MEF is shown by a note spaced across the area.
EXAMPLE: 1250 feet. 125



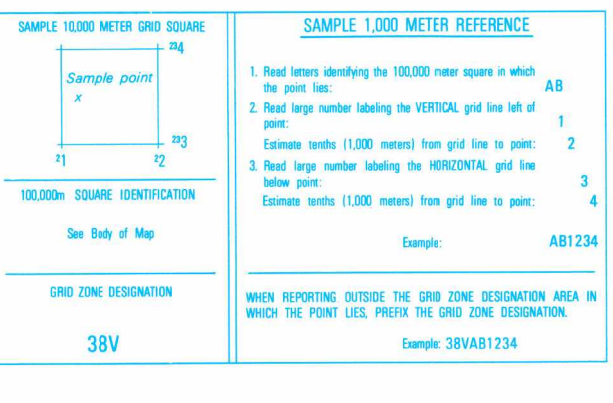
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SCALE 1:250,000
KINESHMA, RUSSIA
 SERIES 1501 AIR SHEET NO 38-7 EDITION 1
 SERIES 1501 COMPANION SHEET IS EDITION 1

Prepared and published by the National Imagery and Mapping Agency
 Map information as of 1995

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CONVERSION OF ELEVATIONS

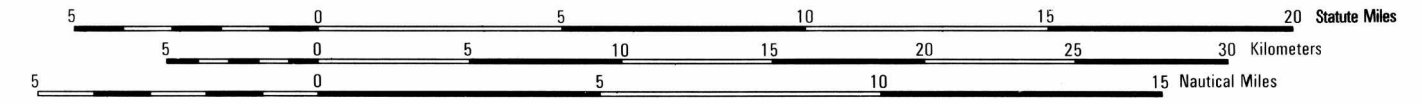
FEET	METERS	FEET	METERS
1000	305	10000	3048
900	274	9000	2743
800	244	8000	2438
700	213	7000	2134
600	183	6000	1829
500	152	5000	1524
400	122	4000	1219
300	91	3000	914
200	61	2000	610
150	46	1500	457
100	31	1000	305



ELEVATIONS IN FEET

JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000



CONTOUR INTERVAL APPROXIMATELY 165 FEET
 WITH SUPPLEMENTARY CONTOURS AT APPROXIMATELY 85 FOOT INTERVALS

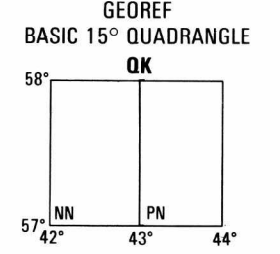
COORDINATE CONVERSION FROM WGS84 TO WGS72
 Grid: Subtract 9 m E, Subtract 4 m N.
 Geographic: Subtract 8" Long, Subtract 1" Lat.

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 38, WORLD GEODETIC SYSTEM 1984 DATUM AND ELLIPSOID

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK:
 1-800-456-5866 (COMMERCIAL), 1-800-254-2226 (DOD AND DOD CONTRACTORS), OR WRITE TO: ATTN: CDD, MAIL STOP P-37, NATIONAL IMAGERY AND MAPPING AGENCY, 4600 SANGKAMKRE ROAD, BETHESDA, MD 20818-5003.

GLOSSARY

- Obst. first-order administrative division
- Obst. lake
- Vodokhranitel'skoye reservoir



RELIABILITY OF THIS GRAPHIC
 (as determined by standard practices)

I	II
III	IV

PLOTTING ACCURACY

90° ASSURANCE	AREA I	AREA II	AREA III
Horizontal	within 425 m	within 425 m	within 425 m
Contours	within 95 m	within 95 m	within 95 m

GRAPHIC FEATURE

DATE OF INFORMATION	AREA I	AREA II	AREA III
Contours	1982	1982	1982
All other features:	1986	1995	1994

Graphic not field checked

ELEVATION TINTS

FEET	TINT
495	[Tint]
165	[Tint]

NOTES

- Powerlines are shown except within populated place limits. Obstructions are shown if they are 200 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.
- In built-up areas only through routes are classified.
- Road classification should be referred to with caution.
- THE REPRESENTATION OF BOUNDARIES IS NOT NECESSARILY AUTHENTICATIVE.

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