

SERIES 1501 AIR SHEET NQ 35,36-4 EDITION 1

SERIES 1501 COMPANION SHEET IS EDITION 1

POPULATED PLACES

- Over 100,000 MOSKVA
- 50,000 to 100,000 CHERENKOVKA
- 10,000 to 50,000 Okhta
- 2,000 to 10,000 Koropets
- Less than 2,000 Sadki

ROADS

- Dual highway 4 LINES DUAL
- All weather, hard surface 4 LINES
- More than two lanes wide
- Two lanes wide
- One lane wide
- All weather, loose or light surface 3 LINES
- More than two lanes wide
- Two lanes wide
- One lane wide
- Fair or dry weather, loose surface
- Cart tracks
- Footpath, trail
- Route marker

RAILROADS

- Normal gauge, single track 4'8 1/2" (1.44m)
- Normal gauge, double track; Narrow gauge

BOUNDARIES

- International
- First-order administrative
- Reservation

VEGETATION

- Woods; Scattered Trees
- Orchard, vineyard

OTHER FEATURES

- Area name
- School; Church; Landmark feature
- Cemetery; Mosque; Muslim shrine
- Ruins; Watertail; Mine or quarry
- Tank; Well; Fence
- Horizontal control point

HYDROGRAPHY

- Spring, cistern; Dam
- Well; Perennial; Intermittent
- Small reservoir; Disappearing stream
- Intermittent lake; Dry lake
- Intermittent streams: Single; Double line
- Underground aqueduct with shafts
- Marsh or swamp; Land subject to inundation

TERRAIN ELEVATIONS

- Spot elevation: normal, critical
- HIGHEST KNOWN elevation is 4101 feet at the following coordinates: Geographic: 67°43'N, 33°28'E; Grid: JWA2012
- Following elevation value indicates accuracy is not within 100 feet

AERODROMES (Military or Civil)

- 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

RADIO FACILITIES

- RADIO RANGE LF/MF
- MULTIPLE RADIO FACILITIES

VISUAL AIDS AND OBSTRUCTIONS

- Obstruction
- 1108- Elevation of obstruction top, above sea level
- (259)- Elevation of obstruction top, above ground level
- Group obstruction
- Radio facility obstruction
- Power transmission line
- Visual ground sign
- Aero light; Marine light

RADIO AIDS TO NAVIGATION

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

CONTROLLED AIRSPACE

- ADIZ

CAUTION

AIR INFORMATION CURRENT THROUGH

18 MARCH 1998

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.

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.

LINE OF EQUAL MAGNETIC VARIATION FOR 1995

(Annual rate of change 4' increase)

ATTENTION

THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)

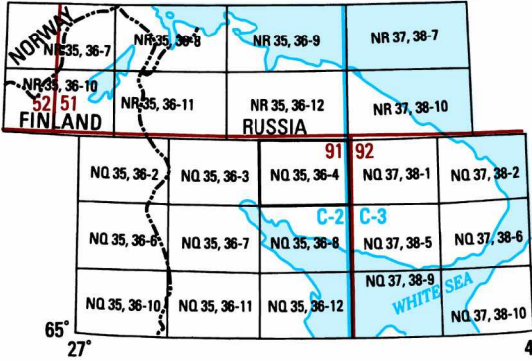
The Maximum Elevation Figures shown in quadrangles bounded by ticked lines of latitude and longitude are represented in THOUSANDS and HUNDREDS of feet above mean sea level. The MEF is based on information available concerning the highest known feature in each quadrangle, including terrain and obstructions (trees, towers, antennas, etc.).

EXAMPLE: 12,300 feet **12⁵**

LOCATION DIAGRAM

(ONC INDEX SHOWN IN BLUE)

(WAC INDEX SHOWN IN RED/BROWN)



SCALE 1:250,000

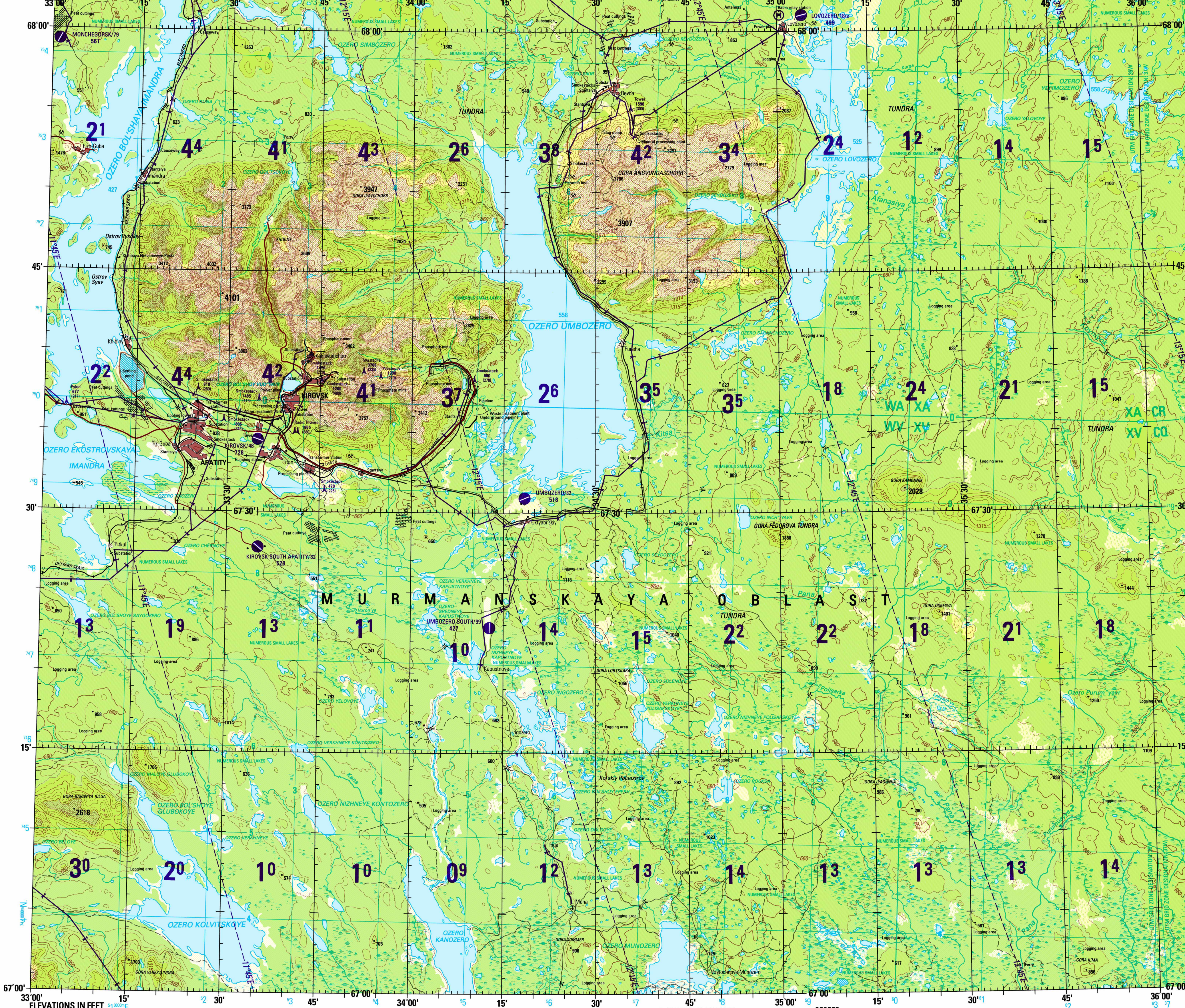
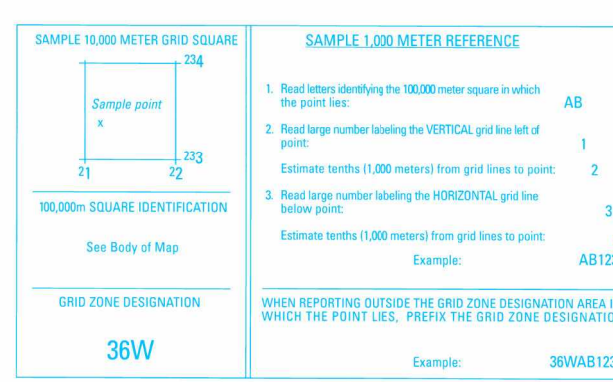
APATITY, RUSSIA

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CONVERSION OF ELEVATIONS

FEET	METERS	FEET	METERS
1000	305	9000	2743
900	274	8000	2438
800	243	7000	2134
700	213	6000	1829
600	183	5000	1524
500	152	400	1219
400	122	300	914
300	91	200	610
200	61	100	305
100	31		



COORDINATE CONVERSION FROM WGS 84 TO WGS 72

Grid: Subtract 7m E, Subtract 4m N.

Geographic: Subtract 0.6" Long, Subtract 0.1" Lat

COORDINATE CONVERSION FROM WGS 84 TO ED 50

Grid: Add 32m E, Add 189m N.

Geographic: Add 2.4" Long, Subtract 0.2" Lat.

JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000

5 10 15 20 Statute Miles

5 10 15 20 25 30 Kilometers

5 10 15 Nautical Miles

CONTOUR INTERVAL APPROXIMATELY 165 FEET

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 36, WORLD GEODETIC SYSTEM 1984 ELLIPSOID.

GLOSSARY

- Gora hill, mountain
- Oblast first-order administrative division
- Ostrov island
- Ozero lake, section of lake
- Poluostrov peninsula
- Stantsiya railroad station

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-455-9889, COMMERCIAL: 1-314-266-9022, OSN 400 9022, OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: CDD, MAIL STOP # 31, 4800 SANGARE ROAD, BETHESDA, MD 20815-5002.

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GEOREF BASIC 15° QUADRANGLE

68°

67° 30'

33° 30'

34° 30'

35° 30'

36°

RELIABILITY OF THIS GRAPHIC

(as determined by standard practices)

1996	1993
1997	1994

PLOTTING ACCURACY 90% ASSURANCE

Horizontal	within 100 ft.
Contours	within 85 ft.

GRAPHIC FEATURE DATE OF INFORMATION

All other features See diagram

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

Printed by the National Imagery and Mapping Agency, 07-00

NOTES

Powerlines are shown except within populated place tints. Other 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. Road classification should be referred to with caution. BOUNDARIES REPRESENTATION IS NOT NECESSARILY AUTHORITATIVE.

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