

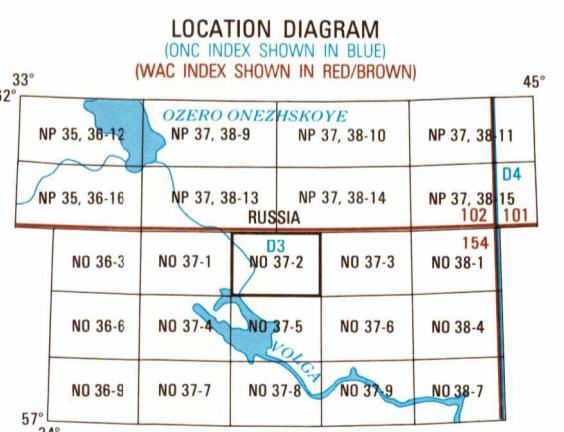
SERIES 1501 AIR
SHEET NO 37-2
EDITION 2

- POPULATED PLACES**
- Over 100,000 **VOLOGDA**
 - 50,000-100,000 **BATATSK**
 - 10,000-50,000 **Sheksha**
 - 2,000-10,000 **Kirillov**
 - Less than 2,000 **Pachnok**
- ROADS**
- Dual highway **4 LANES DUAL**
 - All weather, hard surface:
 - More than two lanes wide **4 LANES**
 - Two lanes wide
 - One lane wide
 - All weather, loose or light surface:
 - More than two lanes wide **3 LANES**
 - Two lanes wide
 - One lane wide
 - Fair or dry weather, loose surface
 - Cart track
 - Footpath, trail
- RAILROADS**
- Normal gauge 1.52m (5') **known**
 - Narrow gauge **unknown**
- BOUNDARIES**
- International
 - First-order administrative division
- VEGETATION**
- Woods, Tropical grass **None**
 - Scattered trees, Orchard, plantations, vineyards **None**
- OTHER FEATURES**
- Area name
 - School, Church, Mosque
 - Landmark feature or object
 - Tank, Well, Fence
 - Hut, kral, Pass, Mine or quarry
 - Horizontal control point
 - Astronomic position
 - Sand, Distorted surface
 - Dunes, Crescent, Lateral, Ripple
 - Dunes, Star, Transverse, Mound
 - Mound, Cliff, Level
- HYDROGRAPHY**
- Underground aqueduct with shafts
 - Small reservoir, Dry lake
 - Sabkha (Kavir), Intermittent lake
 - Intermittent streams: Single, Double line
 - Well, Perennial, Intermittent, Disappearing stream
 - Spring, fountain, cistern, Dam, Salt evaporator
 - Wadi: Land subject to inundation
 - Rice paddy, Marsh or swamp
- TERRAIN ELEVATIONS**
- Spot elevation: Normal, Critical
 - HIGHEST KNOWN elevation is **820** feet at the following coordinates:
Geographic: 59°08'N, 38°35'E
Grid: DF7850
± following elevation value indicates accuracy is not within 100 feet.
- AERODROMES (Military or Civil)**
- Runway pattern known **EDNA/50x 725**
 - 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**
- VOR VORTAC
 - TACAN VOR/DME
 - RADIO RANGE LF/MF
 - MULTIPLE RADIO FACILITIES
- CONTROLLED AIRSPACE**
- ADIZ **CONUS ADIZ**
- 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

CAUTION
AIR INFORMATION CURRENT THROUGH 23 MAY 1997
Consult NOTAMS and Flight Information Publications for the latest air information or the NOTAM-International Clearing House for Airborne Information (NACIA) International Clearing House for Airborne Information, for other data and information.

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.).

125



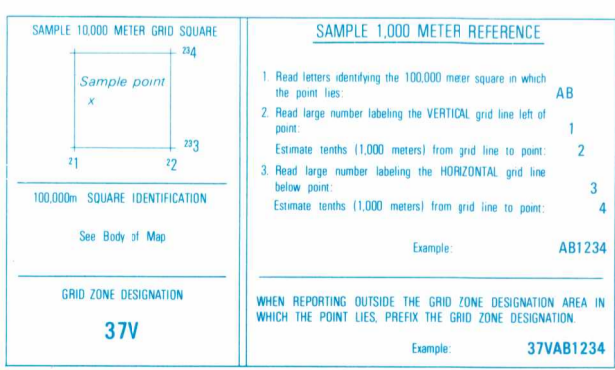
Prepared and published by the National Imagery and Mapping Agency, Compiled 1968, Revised August 1996.

MAP INFORMATION AS OF 1994

CONVERSION OF ELEVATIONS

FEET	METERS	FEET	METERS
1000	305	10000	3048
900	274	9000	2743
800	244	8000	2438
700	213	7000	2133
600	183	6000	1828
500	152	5000	1523
400	122	4000	1218
300	91	3000	913
200	61	2000	608
100	31	1000	303

SCALE: 1:250,000
VOLOGDA, RUSSIA
SERIES 1501 AIR
SHEET NO 37-2
EDITION 2



JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000



CONTOUR INTERVAL APPROXIMATELY 70 FEET

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 37, WORLD GEODETIC SYSTEM 1984 ELLIPSOID.

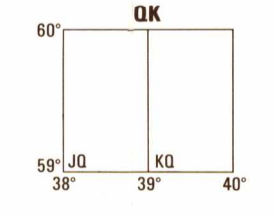
USERS SHOULD REFER TO CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-456-5868, COMMERCIAL: 314-260-1250, DOD: 480-420-2200, OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: CD, 8033 LEE HIGHWAY, PARKVALE, VA 22031-2137.

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GLOSSARY

- Boloto.....marsh(es)
- Kanal.....canal
- Osro.....lake
- Stantsiya.....railroad station
- Vodnyy Par'.....canal
- Vodoprovodnyye.....reservoir
- Zaliv.....bay

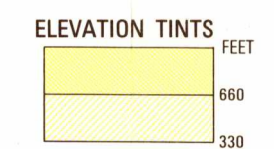
GEOREF BASIC 15° QUADRANGLE



RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)

PLOTTING ACCURACY 90% ASSURANCE	AREA		
	I	II	III
Horizontal	600 ft.	600 ft.	600 ft.
Vertical	600 ft.	600 ft.	600 ft.
Contours	600 ft.	600 ft.	600 ft.
GRAPHIC FEATURE	AREA I	AREA II	AREA III
Contours	1968	1968	1968
Other features	1968	1962	1995

Read information not verified by reconnaissance. Graphic not field checked.



LITHOGRAPHED BY NIMA 8-97

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 location or height are exact. See caution note.

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.
Names for symbolized populated places are omitted where information is not available or where density of detail does not permit their inclusion.
BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITATIVE. NAMES AND BOUNDARIES OF ADMINISTRATIVE DIVISIONS IN RUSSIA ARE NOT AVAILABLE.
DEFINITION OF INTERNATIONAL BOUNDARIES HAS CHANGED SINCE THE LAST EDITION.

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ED. NO. 002