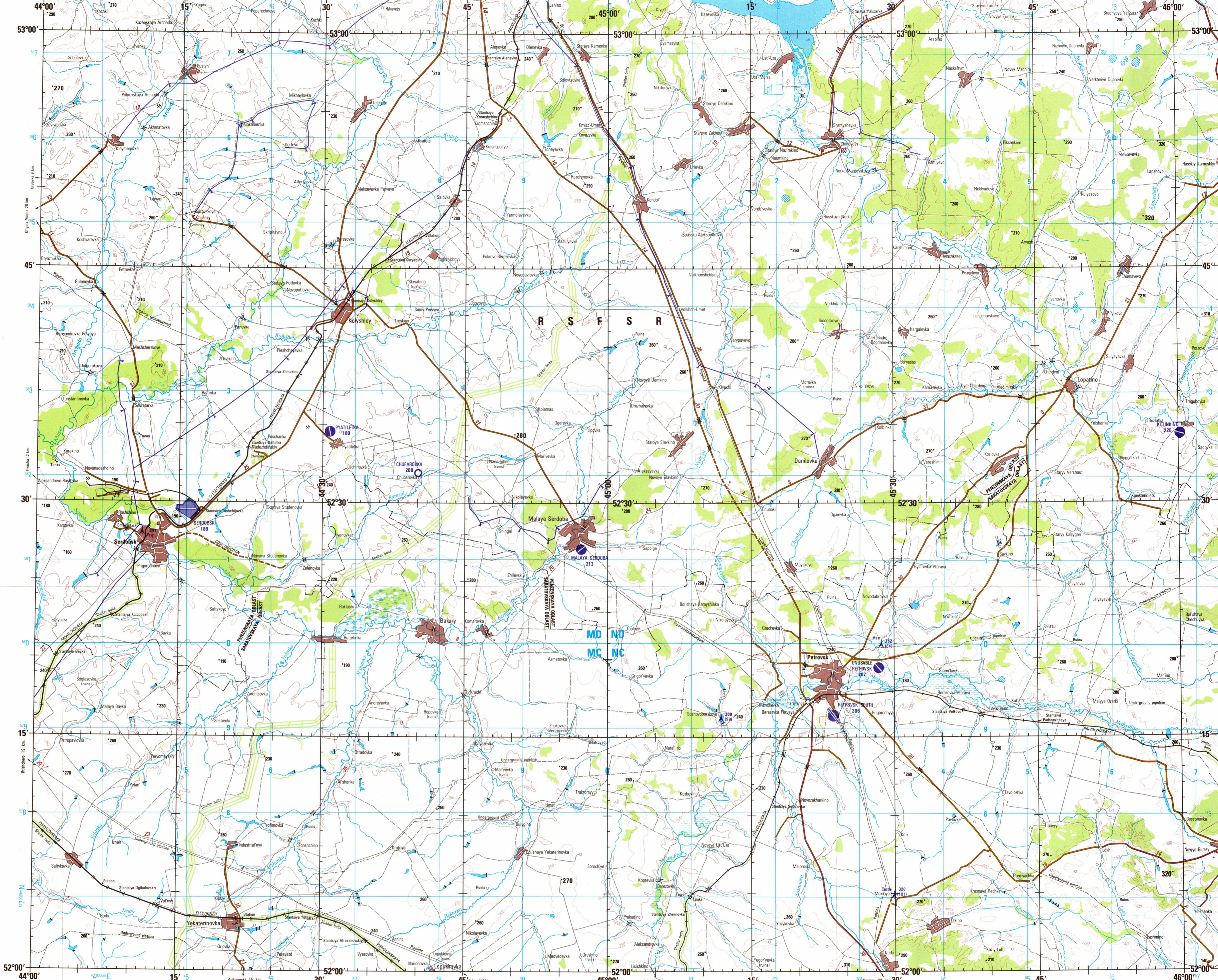


SERIES 1501
SHEET NN 38-11
EDITION 2

- 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**
- Dual highway
 - All weather, hard surface
 - More than two lanes wide
 - Two lanes wide
 - One lane wide
 - All weather, loose or light surface
 - More than two lanes wide
 - Two lanes wide
 - One lane wide
 - Fair or dry weather, loose surface
 - Track or trail
 - Route marker
- RAILROADS**
- Normal gauge 1.52m (5')
 - Single track
 - Multiple track
 - Railroad station: Position known, Position unknown
- BOUNDARIES**
- International
 - First-order administrative division
 - Second-order administrative division
 - Reservation
- OTHER FEATURES**
- Landmark
 - Horizontal control point
 - Levee: Bonal mound
 - Mine
 - Dam or lock: Sand
 - Dunes: Crescent, Lateral, Ripple
- VEGETATION**
- Woods
 - Orchard or vineyard
- HYDROGRAPHY**
- Well: Perennial, Intermittent
 - Intermittent streams: Single, Double line
 - Disappearing stream: Swamp or marsh
 - Intermittent lake: Land subject to inundation
- TERRAIN ELEVATIONS**
- Spot elevation: normal, critical
 - HIGHEST KNOWN elevation is 320 meters at the following coordinates: 52°06'N, 45°58'E
 - Geographic Grid
 - ± following elevation value indicates accuracy is not within 30 meters
- AERODROMES (Military or Civil)**
- EDNA
 - Field limits with runway pattern
 - EDNA Name
 - 221 Elevation
 - Field limits, with runway pattern unknown
 - Field limits, unknown, with runway pattern
 - Field limits and runway pattern unknown
- HELIPORT**
- VISUAL AIDS AND OBSTRUCTIONS**
- Obstruction
 - 338 Elevation of obstruction top, above sea level
 - (79) Elevation of obstruction top, above ground level
 - Group obstruction
 - Radio facility obstruction
 - Power transmission line



MAGNETIC DECLINATION FOR 1980 IS 9° (160 MILS) EASTERLY OVER THE ENTIRE AREA.

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

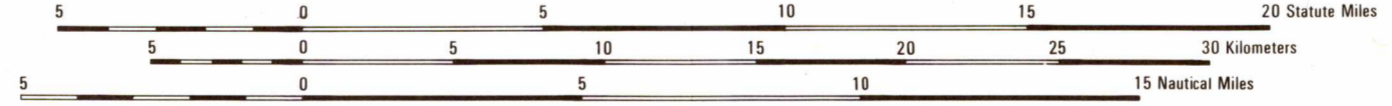
NN 37-6	NN 38-4	NN 38-5	NN 38-6	NN 38-4
NN 37-9	NN 38-7	NN 38-8	NN 38-9	NN 38-7
NN 37-12	NN 38-10	NN 38-11	NN 38-12	NN 38-10
NN 37-3	NN 38-1	NN 38-2	NN 38-3	NN 38-1
NN 37-6	NN 38-4	NN 38-5	NN 38-6	NN 38-4

Prepared and published by the Defense Mapping Agency
Hydrographic/Topographic Center, Washington, D. C.
Compiled in 1982.



JOINT OPERATIONS GRAPHIC

SCALE 1:250,000



CONTOUR INTERVAL 50 METERS

CONVERSION OF ELEVATIONS

METERS	FEET	METERS	FEET
1000	3281	10000	32808
900	2953	9000	29528
800	2625	8000	26247
700	2297	7000	22966
600	1969	6000	19685
500	1641	5000	16404
400	1313	4000	13123
300	984	3000	9842
200	656	2000	6562
150	492	1500	4921
100	328	1000	3281

SAMPLE 1000 METER GRID SQUARE

SAMPLE 1000 METER REFERENCE

- Read across identifying the 10000 meter square in which the point lies.
- Read down number labeling the VERTICAL grid line left of point.
- Read across number labeling the HORIZONTAL grid line below point.
- Read down number labeling the HORIZONTAL grid line below point.

Example: A81234

When reporting outside the grid zone designator area in which the point lies, prefix the grid zone designator.

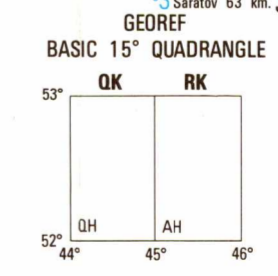
Example: 38U481234

BLUE NUMBERED LINES INDICATE THE 1000 METER UNIVERSAL TRANSVERSE MERCATOR GRID; ZONE 38 WORLD GEODETIC SYSTEM SPHEROID

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-455-8899; COMMERCIAL: 314-260-5032; DSN: 490-5032; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: COD, MAIL STOP P-37, 4800 SANGAMORE ROAD, BETHESDA, MD 20816-5005

GLOSSARY

- Obast: second-order administrative division
- R.S.V.S.R.: first-order administrative division
- Stantsiya: station



RELIABILITY OF THIS GRAPHIC

Compiled from best available source materials.
Horizontal Datum: World Geodetic System
Vertical Datum: Mean Sea Level
Transverse Mercator Projection

NOTES

Only obstructions 61 meters or more above ground level are shown. Powerline information and obstructions have been extracted from the most reliable source available. However, there is no assurance that all powerlines and obstructions are shown or that their locations and heights are correct. On this graphic a lane is generally considered to be 2.4 to less than 5.5 meters (8 to less than 18 feet) in width. Road classification should be referred to with caution. Figures along roads indicate approximate distances in kilometers. ALIGNMENT OF ALL BOUNDARIES IS APPROXIMATE.

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NIMA REF. NO. 1501XNN3811

ED. NO. 002

SCALE 1:250,000
SERDOBSK, U.S.S.R.
SERIES 1501
SHEET NN 38-11
EDITION 2