

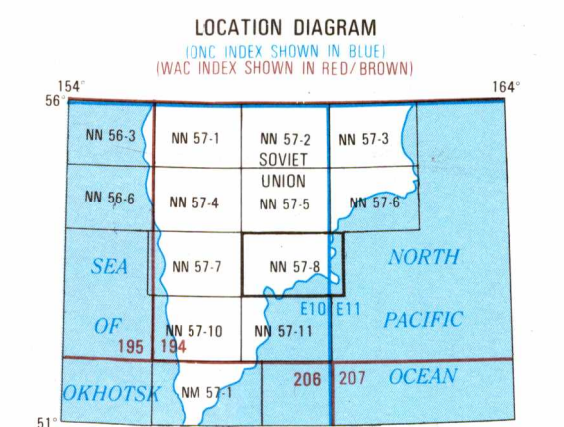
SERIES 1501  
SHEET NN 57-8  
EDITION 3

- 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 ft)
  - Narrow gauge
- BOUNDARIES**
- International
  - First-order administrative division
  - Second-order administrative division
  - Reservation
- OTHER FEATURES**
- Landmark
  - Horizontal control point
  - Levee
  - Burial mound
  - Mine
  - Dam or lock
  - Sand
  - Dunes
  - Crescent
  - Lateral
  - Ripple
- VEGETATION**
- Woods
  - Scattered trees
  - Orchard
  - Vineyard
  - Plantation
- HYDROGRAPHY**
- Well
  - Perennial
  - Intermittent
  - Intermittent streams
  - Single
  - Double line
  - Disappearing stream
  - Swamp or marsh
  - Intermittent lake
  - Dry lake
  - Rocks
  - awash
  - Exposed wreck
  - Reef
  - Foreshore flats
  - salt evaporator
  - Depth curve
- TERRAIN ELEVATIONS**
- Spot elevation: normal, critical
  - HIGHEST KNOWN elevation on 3456 meters at the following coordinates:
  - Geographic: 53°19'N, 158°42'E
  - Grid: VV8108
  - ± following elevation value indicates accuracy is not within 30 meters.
- AERODROMES (Military or Civil)**
- Runway pattern known
  - EDNA - Name
  - EDNA - Elevation
  - Runway pattern unknown
- HELIPORT/HELIPAD**
- HELIPORT/HELIPAD AT HOSPITAL
- VISUAL AIDS AND OBSTRUCTIONS**
- Obstruction
  - 338 Elevation of obstruction top, above sea level
  - 179 Elevation of obstruction top, above ground level
  - Group obstruction
  - Radio facility obstruction
  - Power transmission line

**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.

1985 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 6° (110 MILS) WESTERLY FOR THE CENTER OF THE WEST EDGE TO 5° (90 MILS) WESTERLY FOR THE CENTER OF THE EAST EDGE.

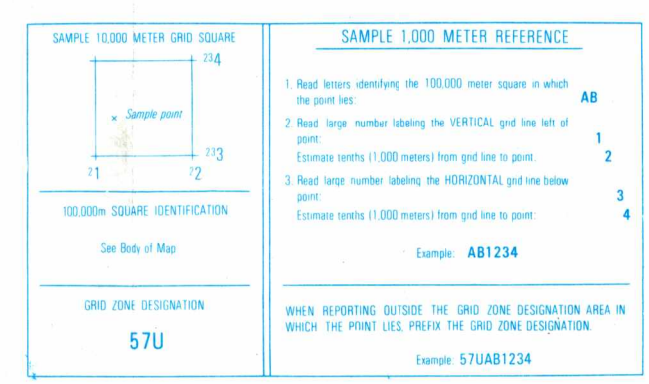


SCALE 1:250,000  
PETROPAVLOVSK-KAMCHATSKIY,  
SOVIET UNION

SERIES 1501  
SHEET NN 57-8  
EDITION 3

**CONVERSION OF ELEVATIONS**

METERS	FEET	METERS	FEET
1000	3281	10000	32808
2000	6562	20000	65616
3000	9843	30000	98424
4000	13124	40000	131232
5000	16405	50000	164040
6000	19686	60000	196848
7000	22967	70000	229656
8000	26248	80000	262464
9000	29529	90000	295272
10000	32810	100000	328080
11000	36091	110000	360988
12000	39372	120000	393896
13000	42653	130000	426804
14000	45934	140000	459712
15000	49215	150000	492620
16000	52496	160000	525528
17000	55777	170000	558436
18000	59058	180000	591344
19000	62339	190000	624252
20000	65620	200000	657160

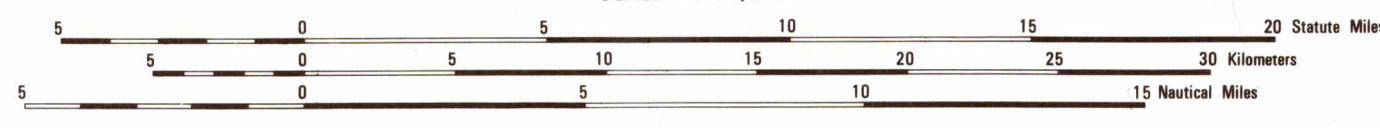


Prepared and published by the Defense Mapping Agency  
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Compiled August 1985.

ELEVATIONS IN METERS  
DEPTHS IN METERS

**JOINT OPERATIONS GRAPHIC**

SCALE 1:250,000



CONTOUR INTERVAL 100 METERS

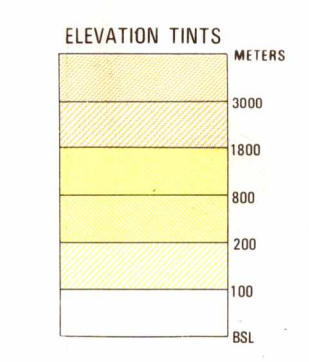
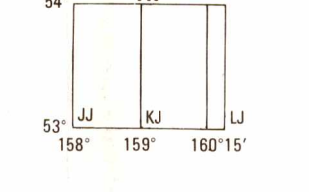
BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID ZONE 51 WORLD GEODETIC SYSTEM SHEED.

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA OPERATIONAL HELP DESK: 1-800-456-0886, COMMERCIAL 314-263-4884; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: E-MAIL STOP L-86, 4000 SANDHORN ROAD, BETHESDA, MD 20816-5003.

ELEVATIONS IN METERS  
DEPTHS IN METERS

- GLOSSARY**
- Bay
  - Gulf
  - Knob
  - Mountain
  - Pass
  - Point
  - Spur
  - Strait
  - Terrace
  - Trail
  - Valley
  - Wash
  - Wedge
  - Wetland
  - Yield

**GEOREF**  
BASIC 15° QUADRANGLE



**RELIABILITY OF THIS GRAPHIC**

Compiled from best available source materials.

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

**NOTES**

Powerlines are shown except within populated place tints. Other obstructions are shown if they are 61 meters or more above ground level. See caution note.

On this graphic a tone is generally considered as being 2.5 meters (8 feet) in width.

Figures along roads indicate approximate distances in kilometers.

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