



V502, EDITION 3  
 Prepared by the U. S. Army Topographic Command (FSART), Washington, D. C. Compiled in 1955 by photogrammetric methods and from United States quadrangles, 1:24,000, 1:62,500, 1:125,000, 1:250,000. Planimetry revised from aerial photographs taken 1953. Photographs first annotated 1954. Revised in 1974 by the U. S. Geological Survey from aerial photographs taken 1973.  
 100,000-foot grid based on Colorado coordinate system, north zone  
 Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram

**LEGEND**

Figures in red denote approximate distances in miles between stars

**POPULATED PLACES**

Over 500,000	LOS ANGELES
100,000 to 500,000	OMAHA
25,000 to 100,000	GALVESTON
5,000 to 25,000	Durango
1,000 to 5,000	Grand Coulee
Less than 1,000	Sun Valley

**ROADS**

- Primary, all-weather, hard surface
- Secondary, all-weather, hard surface
- Light-duty, all-weather, hard or improved surface
- Fair or dry weather, unimproved surface
- Trail
- Interchange
- Route markers: Interstate, U.S., State

**RAILROADS**

- Standard gauge
- Narrow gauge
- Landplane airport
- Landing area
- Seaplane airport
- Seaplane anchorage
- Woods-brushwood

**BOUNDARIES**

- International
- State
- County
- Park or reservation

**LANDMARKS**

- School, Church, Other
- Spot elevation in feet
- Marsh or swamp
- Intermittent or dry stream
- Power line

Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles

0 5 10 15 20 25 30 Kilometers

0 5 10 15 Nautical Miles

**CONTOUR INTERVAL 200 FEET**  
 WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS  
 TRANSVERSE MERCATOR PROJECTION

BLACK NUMBERED LINES INDICATE THE 10,000 METRE UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 13

1970 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 14°2' (260 MILS) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 14°12' (250 MILS) EASTERLY FOR THE CENTER OF THE EAST EDGE

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR RESTON, VIRGINIA 22092

**LOCATION DIAGRAM**

112°	113°	114°	115°	116°	117°	118°	119°	120°
NK 12-5	NK 12-6	NK 12-7	NK 12-8	NK 12-9	NK 12-10	NK 12-11	NK 12-12	NK 12-13
NK 13-5	NK 13-6	NK 13-7	NK 13-8	NK 13-9	NK 13-10	NK 13-11	NK 13-12	NK 13-13
NK 14-5	NK 14-6	NK 14-7	NK 14-8	NK 14-9	NK 14-10	NK 14-11	NK 14-12	NK 14-13
NK 15-5	NK 15-6	NK 15-7	NK 15-8	NK 15-9	NK 15-10	NK 15-11	NK 15-12	NK 15-13
NK 16-5	NK 16-6	NK 16-7	NK 16-8	NK 16-9	NK 16-10	NK 16-11	NK 16-12	NK 16-13
NK 17-5	NK 17-6	NK 17-7	NK 17-8	NK 17-9	NK 17-10	NK 17-11	NK 17-12	NK 17-13
NK 18-5	NK 18-6	NK 18-7	NK 18-8	NK 18-9	NK 18-10	NK 18-11	NK 18-12	NK 18-13
NK 19-5	NK 19-6	NK 19-7	NK 19-8	NK 19-9	NK 19-10	NK 19-11	NK 19-12	NK 19-13
NK 20-5	NK 20-6	NK 20-7	NK 20-8	NK 20-9	NK 20-10	NK 20-11	NK 20-12	NK 20-13

**SECTIONIZED TOWNSHIP**

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

**GRID ZONE DESIGNATION**

18T

**TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS**

**SAMPLE POINT** BR CR DR

1. Read letters identifying 100,000 metre square in which the point lies

2. Lower four VERTICAL digits are the LEFT of point and read LARGE figure labelling the line either in the top or bottom margin, or on the line itself

3. Lower four HORIZONTAL digits are the RIGHT of point and read LARGE figure labelling the line either in the left or right margin, or on the line itself

4. Estimate tenths from grid line to point

**SAMPLE REFERENCE:**

If reporting bearing is in any direction, prefix Grid Zone Designation, as follows: 4440000

000771

13700771

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