



V502, EDITION 3

Prepared by the U.S. Army Topographic Command (AOSX), Washington, D.C. Compiled in 1957 by photogrammetric methods and from United States quadrangles 1:48,000, 1954. Planimetry revised by aerial photographs taken 1955. Photographs field annotated 1956. Revised by the U.S. Geological Survey 1970.

Area covered by dashed light-blue pattern is subject to controlled inundation. 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  
100,000 to 500,000  
25,000 to 100,000  
5,000 to 25,000  
1,000 to 5,000  
Less than 1,000

**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

**RAILROADS**

Single track  
Double or Multiple track  
Standard gauge  
Narrow gauge

**BARRIERS**

International  
State  
County

**Other Features:**

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

**Interchange:** Interstate, U.S., State

**Route markers:** Interstate, U.S., State

**Landmarks:** School, Church, Other

**Mine**

**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 20 25 30 Nautical Miles

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

**TRANSVERSE MERCATOR PROJECTION**

BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 12

1970 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 15° (20 MILES) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 17° (20 MILES) WESTERLY FOR THE CENTER OF THE EAST EDGE.

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

**LOCATION DIAGRAM**

116°	117°	118°	119°	120°
37°	38°	39°	40°	41°

Grid showing townships and ranges with coordinates.

**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:** 12S

**100,000 M. SQUARE IDENTIFICATION:** WV, WU, WV, WU

**TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1000 METERS**

**SAMPLE POINT: CARBONVILLE**

**1. Read letters:** Identifying 100,000 meter square in which the spot lies.

**2. Locate first VERTICAL and line to LEFT of spot and read LARGE figure labeling the line either in the top or bottom margin, or in the line itself.**

**3. Estimate tenths from grid line to point:** Estimate tenths from grid line to point.

**4. Locate first HORIZONTAL and line BELOW spot and read LARGE figure labeling the line either in the left or right margin, or in the line itself.**

**5. Estimate tenths from grid line to point:** Estimate tenths from grid line to point.

**6. Add the two figures to give the spot elevation in meters.**

**7. If reporting beyond 10' in any direction, prefix grid zone designation, etc.**

**SCALE REFERENCE:** METERS 12000/380

