



Prepared by the U.S. Army Topographic Command (BEEB), Washington D.C.
Compiled in 1954 by photogrammetric methods from United States quadrangles
1:24,000, 1:62,500. Planimetry revised from aerial photographs taken 1953.
Photographs field annotated 1954. Revised by the U.S. Geological Survey 1970.
Transverse Mercator Projection, 10,000-meter Universal Transverse Mercator grid,
zone 12. 100,000-foot grid scale based on New Mexico coordinate system, west zone
and Arizona coordinate system, east zone, 1927 North American Datum. The
difference between 1927 North American Datum and North American Datum of 1983
(NAD 83) for 7.5 minute quadrangles is given in USGS Bulletin 1875.
Location of geodetic control established by government agencies shown on
corresponding 1:250,000-scale Geodetic Control Diagram.
There may be private inholdings within the boundaries of the National or State
reservations shown on this map.

LEGEND

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

Standard gauge
Narrow gauge
Interstate
State
County
Park or reservation

RAILROADS

Single track
Double or multiple
Standard gauge
Narrow gauge

BOUNDARIES

International
State
County
Park or reservation

Other symbols:

Primary, all-weather, hard surface
Secondary, all-weather, hard surface
Light-duty, all-weather, hard or improved surface
Fair or dry weather, unimproved surface
Loromine Trail
Grand Coulee Interchange
Sun Valley

Route markers: Interstate, U.S. State, County, Park or reservation

Landmarks: School, Church, Other, etc.

Spot elevation in feet:

Windmill, Mine, Marsh or swamp, Dry lake, Intermittent or dry stream, Woods-brushwood, Power line

Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles

0 5 10 15 20 25 30 Nautical Miles

CONTOUR INTERVAL 200 FEET
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS

1970 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 13°15' (231 MILS) EASTERLY FOR THE CENTER OF THE WEST TO 13°22' (222 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

114° 30' 00" W 114° 00' 00" W 113° 30' 00" W 113° 00' 00" W 112° 30' 00" W 112° 00' 00" W 111° 30' 00" W 111° 00' 00" W 110° 30' 00" W 110° 00' 00" W 109° 30' 00" W 109° 00' 00" W 108° 30' 00" W 108° 00' 00" W 107° 30' 00" W 107° 00' 00" W 106° 30' 00" W 106° 00' 00" W 105° 30' 00" W 105° 00' 00" W 104° 30' 00" W 104° 00' 00" W 103° 30' 00" W 103° 00' 00" W 102° 30' 00" W 102° 00' 00" W 101° 30' 00" W 101° 00' 00" W 100° 30' 00" W 100° 00' 00" W 99° 30' 00" W 99° 00' 00" W 98° 30' 00" W 98° 00' 00" W 97° 30' 00" W 97° 00' 00" W 96° 30' 00" W 96° 00' 00" W 95° 30' 00" W 95° 00' 00" W 94° 30' 00" W 94° 00' 00" W 93° 30' 00" W 93° 00' 00" W 92° 30' 00" W 92° 00' 00" W 91° 30' 00" W 91° 00' 00" W 90° 30' 00" W 90° 00' 00" W 89° 30' 00" W 89° 00' 00" W 88° 30' 00" W 88° 00' 00" W 87° 30' 00" W 87° 00' 00" W 86° 30' 00" W 86° 00' 00" W 85° 30' 00" W 85° 00' 00" W 84° 30' 00" W 84° 00' 00" W 83° 30' 00" W 83° 00' 00" W 82° 30' 00" W 82° 00' 00" W 81° 30' 00" W 81° 00' 00" W 80° 30' 00" W 80° 00' 00" W 79° 30' 00" W 79° 00' 00" W 78° 30' 00" W 78° 00' 00" W 77° 30' 00" W 77° 00' 00" W 76° 30' 00" W 76° 00' 00" W 75° 30' 00" W 75° 00' 00" W 74° 30' 00" W 74° 00' 00" W 73° 30' 00" W 73° 00' 00" W 72° 30' 00" W 72° 00' 00" W 71° 30' 00" W 71° 00' 00" W 70° 30' 00" W 70° 00' 00" W 69° 30' 00" W 69° 00' 00" W 68° 30' 00" W 68° 00' 00" W 67° 30' 00" W 67° 00' 00" W 66° 30' 00" W 66° 00' 00" W 65° 30' 00" W 65° 00' 00" W 64° 30' 00" W 64° 00' 00" W 63° 30' 00" W 63° 00' 00" W 62° 30' 00" W 62° 00' 00" W 61° 30' 00" W 61° 00' 00" W 60° 30' 00" W 60° 00' 00" W 59° 30' 00" W 59° 00' 00" W 58° 30' 00" W 58° 00' 00" W 57° 30' 00" W 57° 00' 00" W 56° 30' 00" W 56° 00' 00" W 55° 30' 00" W 55° 00' 00" W 54° 30' 00" W 54° 00' 00" W 53° 30' 00" W 53° 00' 00" W 52° 30' 00" W 52° 00' 00" W 51° 30' 00" W 51° 00' 00" W 50° 30' 00" W 50° 00' 00" W 49° 30' 00" W 49° 00' 00" W 48° 30' 00" W 48° 00' 00" W 47° 30' 00" W 47° 00' 00" W 46° 30' 00" W 46° 00' 00" W 45° 30' 00" W 45° 00' 00" W 44° 30' 00" W 44° 00' 00" W 43° 30' 00" W 43° 00' 00" W 42° 30' 00" W 42° 00' 00" W 41° 30' 00" W 41° 00' 00" W 40° 30' 00" W 40° 00' 00" W 39° 30' 00" W 39° 00' 00" W 38° 30' 00" W 38° 00' 00" W 37° 30' 00" W 37° 00' 00" W 36° 30' 00" W 36° 00' 00" W 35° 30' 00" W 35° 00' 00" W 34° 30' 00" W 34° 00' 00" W 33° 30' 00" W 33° 00' 00" W 32° 30' 00" W 32° 00' 00" W 31° 30' 00" W 31° 00' 00" W 30° 30' 00" W 30° 00' 00" W 29° 30' 00" W 29° 00' 00" W 28° 30' 00" W 28° 00' 00" W 27° 30' 00" W 27° 00' 00" W 26° 30' 00" W 26° 00' 00" W 25° 30' 00" W 25° 00' 00" W 24° 30' 00" W 24° 00' 00" W 23° 30' 00" W 23° 00' 00" W 22° 30' 00" W 22° 00' 00" W 21° 30' 00" W 21° 00' 00" W 20° 30' 00" W 20° 00' 00" W 19° 30' 00" W 19° 00' 00" W 18° 30' 00" W 18° 00' 00" W 17° 30' 00" W 17° 00' 00" W 16° 30' 00" W 16° 00' 00" W 15° 30' 00" W 15° 00' 00" W 14° 30' 00" W 14° 00' 00" W 13° 30' 00" W 13° 00' 00" W 12° 30' 00" W 12° 00' 00" W 11° 30' 00" W 11° 00' 00" W 10° 30' 00" W 10° 00' 00" W 9° 30' 00" W 9° 00' 00" W 8° 30' 00" W 8° 00' 00" W 7° 30' 00" W 7° 00' 00" W 6° 30' 00" W 6° 00' 00" W 5° 30' 00" W 5° 00' 00" W 4° 30' 00" W 4° 00' 00" W 3° 30' 00" W 3° 00' 00" W 2° 30' 00" W 2° 00' 00" W 1° 30' 00" W 1° 00' 00" W 0° 30' 00" W 0° 00' 00" W

SECTIONIZED TOWNSHIP

1 2 3 4 5 6 7 8 9 10 11 12

13 14 15 16 17 18 19 20 21 22 23 24

25 26 27 28 29 30 31 32 33 34 35 36

USGS AND HISTORICAL MAP ARCHIVES

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GRID ZONE DESIGNATION

12S

100 000 M SQUARE IDENTIFICATION

WM XM YM

VL XL

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

SAMPLE POINT: SUMMIT

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

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

3. Estimate tenths from grid line to point.

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

5. Estimate tenths from grid line to point.

6. Combine figures to give grid reference.

7. If reporting beyond 10' in any direction, prefix Grid Zone Designation, etc.

8. Example: 35 50000

9. Example: 12S 0895