



Prepared by the Defense Mapping Agency Topographic Center, Washington, D. C. Completed in 1953 by photogrammetric methods from aerial photographs taken in 1953. Photographs field annotated 1954. Revised by the U. S. Geological Survey from aerial photographs taken 1975-1977 and other source data. Revised information not field checked. Map edited 1979. 100,000-foot grid based on Montana coordinate system, south zone Transverse Mercator Projection, 10,000-meter Universal Transverse Mercator grid, zone 12. 1927 North American datum. To place on predicted North American Datum 1983, move projection lines 9 meters north and 55 meters east.

Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram.

There may be private inholdings within the boundaries of National or State reservations shown on this map.

**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  
Fair or dry weather, hard or improved surface  
Fair or dry weather, unimproved surface  
Trail

**RAILROADS**

Single track  
Double or multiple track  
Standard gauge  
Narrow gauge

**BOUNDARIES**

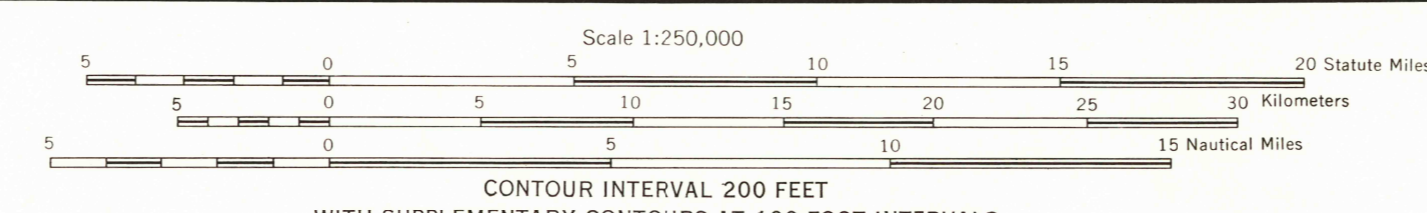
International  
State  
County  
Park or reservation

**LANDPLACES**

Landplane airport  
Landing area  
Seaplane airport  
Seaplane anchorage  
Woods brushwood

**LANDMARKS**

Sehol; Church; Other  
Mile  
Spot elevation in feet  
Marsh or swamp  
Intermittent or dry stream  
Power line



1979 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 16W (290 MIL) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 15W (270 MIL) EASTERLY FOR THE CENTER OF THE EAST EDGE

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

**LOCATION DIAGRAM**

CHOCOMA NL 12-1	DAVID FALLS NL 12-2	LEGATION NL 12-3	NORTH DAKOTA NL 13-1	BERNESE NL 13-2
WHITE NL 12-4	ROCKY MOUNTAIN NL 12-5	SPRINGFIELD NL 12-6	WYOMING NL 13-3	WYOMING NL 13-4
WYOMING NL 12-7	WYOMING NL 12-8	WYOMING NL 12-9	WYOMING NL 13-7	WYOMING NL 13-8
WYOMING NL 12-10	WYOMING NL 12-11	WYOMING NL 12-12	WYOMING NL 13-10	WYOMING NL 13-11
WYOMING NL 12-13	WYOMING NL 12-14	WYOMING NL 12-15	WYOMING NL 13-12	WYOMING NL 13-13

**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:** 12T

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

WF	XF	YF
WE	XE	YE

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

**SAMPLE POINT: WABERN**

- Read letters identifying 100,000 meter squares in which the point lies.
- Locate first VERTICAL grid line to LEFT of point and read LARGE figure labeling the line either on the top or bottom margin, or on the line itself.
- Estimate tenths from grid line to point.
- Locate first HORIZONTAL grid line BELOW point and on the line itself.
- Estimate tenths from grid line to point.

**EXAMPLE:** 490000

**IF REPORTING BEYOND 10" IN ANY DIRECTION, PREFIX GRID ZONE DESIGNATION, AS:** 12TKE890

**BILLINGS, MONTANA; WYOMING**

USGS  
Historical File  
Topographic Division

1954  
REVISED 1979

FEB 13 1980

16,000