Contoured by R.N. Bergantino, 1982
Released 2019

WESTERN UNITED STATES 1:250,000

ROUNDUP

NL 12-6

Top Of Eagle Sandstone

LEWIS AND CLARK NATIONAL FOREST
SNOWY MOUNTAINS
LITTLE SNOWY MOUNTAINS
JUDITH BASIN COUNTY
FERGUS COUNTY
WHEATLAND COUNTY
GOLDEN VALLEY COUNTY
SWEET GRASS COUNTY
STILLWATER COUNTY
MUSSELSHELL COUNTY
YELLOWSTONE COUNTY
WAR HORSE N W R (YELLOW WATER UNIT)
HAILSTONE NATIONAL WILDLIFE REFUGE

Contour values: 500, 1000, 1500, 2000, 2500, 3000, 3500

Prepared by the Defense Mapping Agency Topographic Center, Washington, D. C. Compiled in 1955 by photogrammetric methods from aerial photographs taken 1953. Photographs field annotated 1954. Revised in 1977 by the U. S. Geological Survey from aerial photographs taken 1975

100,000-foot grids based on Montana coordinate system, south and central zones

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

Data points from:

Feltis, R.D., Lewis, B.D., Frasure, R.L., Rioux, R.P. Jauhola, C.A. and Hotchkiss, W.R., 1981, Selected Geologic Data from the Northern Great Plains area of Montana: U.S. Geological Survey Water-Resources Investigations Open-file report 81-415, 63 p.,
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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

RAILROADS
Standard gauge; Single track; Double or Multiple
Narrow gauge; Station; Abandoned

BOUNDARIES
International
State
County
Park or reservation

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

Landplane airport
Landing area
Seaplane airport
Dry lake
Woods-brushwood

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

Scale 1:250,000

20 Statute Miles
30 Kilometers
15 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

1975 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 17° (300 MILS) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 16° (280 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

SECTIONIZED TOWNSHIP

TOWNSHIP OR RANGE LINE
LAND GRANT BOUNDARY

GRID ZONE DESIGNATION: 12T
100,000 M. SQUARE IDENTIFICATION

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 1000 METERS
SAMPLE POINT: ELEVATOR

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

IGNORE the SMALLER figures of any grid number; these are for finding the full coordinates. Use ONLY the LARGER figures of the grid number; example: 510000

SAMPLE REFERENCE
If reporting beyond 18° in any direction, prefix Grid Zone Designation, as:

XG 7 7
0 3
XG7703
12TXG7703

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1978

ROUNDUP, MONTANA
1958
REVISED 1977

Top of the Eagle Formation/Gammon Shale, feet, mean sea level