UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

EAST HELENA QUADRANGLE
MONTANA
15 MINUTE SERIES (TOPOGRAPHIC)

- Stereo compilation by Fairchild Aerial Surveys, Inc. for the Bureau of Reclamation
  Field examination and publication by the Geological Survey as part of the Department of the Interior program for the development of the Missouri River Basin
- Control by USGS and USC&GS

Topography from aerial photographs by stereoplanigraph methods
Aerial photographs taken 1947. Field check 1950

Polyconic projection. 1927 North American datum
10,000-foot grid based on Montana coordinate system, south and central zones

Dashed land lines indicate approximate locations

Unchecked elevations are shown in brown

1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

19°
TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1950

SCALE 1:62 500

1 ½ 0 1 2 3 4 MILES

3000 0 3000 6000 9000 12000 15000 18000 21000 FEET

1 .5 0 1 2 3 4 5 KILOMETERS

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

MONTANA
QUADRANGLE LOCATION

ROAD CLASSIFICATION

Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
Interstate Route — U. S. Route — State Route

EAST HELENA, MONT.
N4630—W11145/15
1950

U. S. Geological Survey
OPEN FILE MAP
This map is preliminary and has not been edited for conformity with Geological Survey standards or nomenclature.

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
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A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

MAP OF EAST HELENA QUADRANGLE, MONTANA, SHOWING AREAL DISTRIBUTION OF SURFICIAL DEPOSITS AND BEDROCK AND LOCATION OF GEOLOGICAL FAULTS

ology by Robert G. Schmidt, 1975-76, assisted by William R. Trojan, [redacted] Guy [redacted]oner, 1976; and by Adolf Knopf (1963) and [redacted] W. Smedes (1966, [redacted]