Base from U.S. Geological Survey topographic quadrangles Manhattan, 1949; Belgrade, 1950; Sedan, 1951; Anceney, 1949; Bozeman, 1953; and Bozeman Pass, 1951

Gravity survey by W. T. Kinoshita, J. E. Carlson, H. L. Baldwin, and W. E. Davis, 1960–63. Geology generalized from maps and reports by Peale (1896), Claybaugh (1952), McMannis (1955), Verrall (1955), Ross, Andrews, and Witkind (1955), Hackett and others (1960), and Robinson (1961 and 1963)

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1965—G65005

EXPLANATION

Gab — Basin deposits	CENOZOIC
KCi — Intrusive rocks	CAMBRIAN TO CRETACEOUS
KpCs — Sedimentary rocks	PRECAMBRIAN TO CRETACEOUS
pCm — Metamorphic rocks	PRECAMBRIAN

Contact, approximately located

Fault, approximately located

Concealed fault zone inferred from gravity data

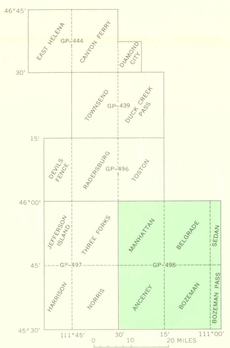
Thrust fault, approximately located
Sawteeth on upper plate

—150— Gravity contours
Dashed where approximately located. Contour interval 5 milligals

195 Gravity contour enclosing area of low gravity

Gravity station

INDEX MAP OF MONTANA SHOWING AREA OF THIS REPORT



INDEX SHOWING GEOPHYSICAL INVESTIGATIONS SERIES MAPS AND TOPOGRAPHIC QUADRANGLE MAPS

BOUGUER GRAVITY, AEROMAGNETIC, AND GENERALIZED GEOLOGIC MAP OF THE EASTERN PART OF THE THREE FORKS BASIN, BROADWATER, MADISON, AND GALLATIN COUNTIES, MONTANA

Gravity and Geologic Map

By W. E. Davis, W. T. Kinoshita, and G. D. Robinson

APPROXIMATE MEAN DECLINATION, 1965

SCALE 1:62 500

1 ½ 0 1 2 3 4 5 MILES

1 .5 0 1 2 3 4 5 KILOMETERS

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

1965

For sale by U.S. Geological Survey, price $1.00 per set