

MAP A.—COMPLETE BOUGUER GRAVITY ANOMALY MAP

See from U.S. Geological Survey, 1972



SCALE 1:250,000  
0 5 10 15 MILES  
0 5 10 15 KILOMETERS



EXPLANATION  
— Gravity contours—showing Bouguer gravity field in milligals. Reduced in areas of closed gravity lines. Contour interval 2 milligals.  
• Gravity station location—A density of 2.67 g/cm<sup>3</sup> was used in reducing data to the Bouguer anomaly.

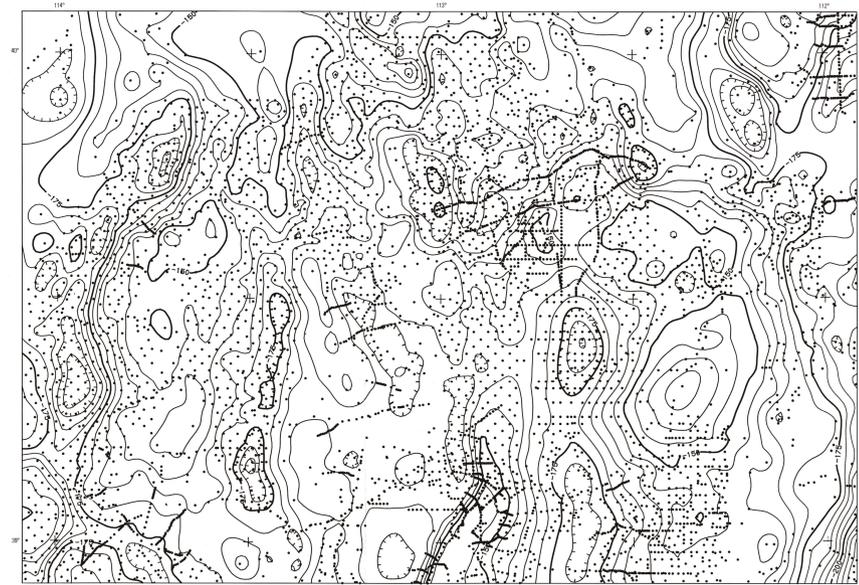
Geology from Merritt, 1967. Preliminary geologic structure map of the Delta 1° x 2° quadrangle and adjacent areas, west-central Utah. U.S. Geological Survey Open-File Report 87-189. Scale 1:250,000.

DESCRIPTION OF MAP UNITS	SYMBOL	DESCRIPTION OF MAP UNITS	SYMBOL
Quaternary volcanic deposits (Pliocene and Miocene)—Flow and pyroclastic deposits of basalt and basaltic andesite	11	Jurassic pliosen—Pinkish gray to white, coarsely crystalline quartz monzonite porphyry stock cutting Carboniferous in House Range. Age is estimated to be 143 Ma (Lorenz and Soper, 1973)	21
Alluvium and valley fill deposits (Holocene, Pleistocene, and Pliocene)—Alluvium and alluvium in upland areas and fanlike, lacustrine units, saline deposits, and tuffaceous beds in valleys and basins	12a	Jurassic and Triassic strata, undivided—Includes House Limestone in western part of quadrangle and Mesozoic, Chino, and Navajo Formations in eastern part of quadrangle	27a
Basaltic pipes (Oligocene)—Plug- and dike-like bodies containing large and small blocks of Tertiary, Paleocene, and Precambrian rocks	13	Paleozoic strata, undivided (Permian through Carboniferous)—Includes strata deposited during each period of the Paleozoic Era. These strata are composed of about 60 percent calcareous rock, 30 percent quartzite and sandstone, and 10 percent shale, and are subdivided into as many as 20 or 30 formal units in any one area	27b
Sills (Oligocene)—Extensive sheets of porphyritic latite intruded into eruptive rocks of the Tinto Mountain volcanic group	14	Precambrian T and V strata, undivided (Upper and middle Proterozoic)—Cherty quartzite, argillite, and glauconitic siltstone, with some local beds of algal limestone all subdivided into 1 or more formal units or sequences	27c
Intrusive bodies (Tertiary)—Stocks, plugs, and dikes ranging in composition from basic andesite and latite to alkali granites and gabbros, chiefly associated with volcanic rocks in the eruptive centers	15		27d
Tertiary volcanic deposits (Pliocene through Eocene)—Flow, ignimbrite, pyroclastic deposits, and agglomerates ranging in composition from basalt to alkali feldspathic eruptive centers in northern part of quadrangle	16		27e
Tertiary sedimentary deposits (Pliocene through Eocene)—Conglomerate, sandstone, shale, limestone, and cherty limestone. Includes Flagstaff, Cotton, Green River, Cray, and other formations, and Oak City, Fuel Creek, and other post-volcanic units	17		27f
North Horn Formation (Tertiary and Ordovician)—Red and green post-organic shale, sandstone, conglomerate, and limestone. Contains mammalian remains in upper part and chertaceous remains in the middle	18		27g
Cretaceous strata, undivided—Red organic conglomerate, sandstone, and mixed shale complex	19		27h

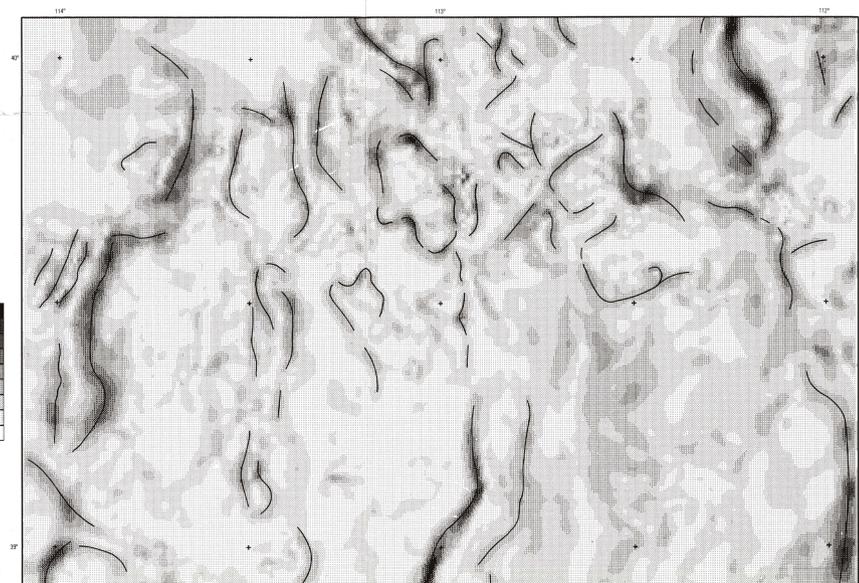
COMPLETE BOUGUER GRAVITY MAP AND RELATED GEOPHYSICAL MAPS OF THE DELTA 1° x 2° QUADRANGLE, UTAH

By  
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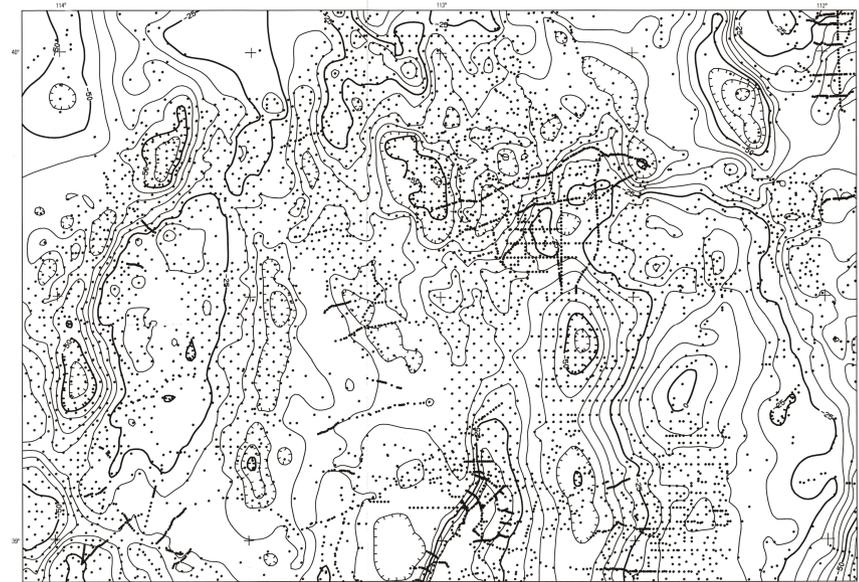
1989



MAP B.—COMPLETE BOUGUER GRAVITY ANOMALY MAP USING A REDUCTION DENSITY OF 2.40 g/cm<sup>3</sup>



MAP C.—MAP SHOWING MAGNITUDE OF THE HORIZONTAL GRADIENT OF THE GRAVITY FIELD



MAP D.—ISOSTATIC RESIDUAL ANOMALY MAP

EXPLANATION  
— Gravity contours—showing isostatic residual gravity field in milligals. Reduced in areas of closed gravity lines. Contour interval 5 milligals.  
• Gravity station location—A density of 2.67 g/cm<sup>3</sup> was used in reducing data to the isostatic residual anomaly.

Geology from Merritt, 1967. Preliminary geologic structure map of the Delta 1° x 2° quadrangle and adjacent areas, west-central Utah. U.S. Geological Survey Open-File Report 87-189. Scale 1:250,000.