EXPLANATION

Pleistocene and Recent	Qs	Sedimentary rocks *Includes dune sands, alluvium of Recent age and Montezuma Formation, Millerton Formation, and Huichica Formation of Pleistocene age*
Pliocene and Pleistocene(?)	QTm	Merced Formation
Pliocene	Ts	Sonoma Volcanics
	Tp	Petaluma Formation
	Tor	Orinda Formation
	Tpo	Pinole Tuff
	Tm	Monterey Shale
Paleocene to Pliocene	Tsu	Sedimentary rocks *Includes Neroly Sandstone, Briones Sandstone, San Ramon Sandstone, Markley Sandstone Member of Kreyenhagen Formation, Capay Shale and Martinez Formation of Weaver, 1949, and Paleocene conglomerate of Galloway, 1962*
Upper Jurassic to Upper Cretaceous	KJf / KJfv	Franciscan Formation KJfv, *volcanic rocks (greenstones)*
	KJu	Chico and Horsetown(?) Formations, Novato Conglomerate, and Knoxville Formation, undifferentiated
	ub	Ultramafic rocks *Intrude the Franciscan Formation, age is probably Mesozoic*
	qd	Quartz diorite
	Pmc	Metamorphic rocks

TERTIARY QUATERNARY AND QUATERNARY(?)

TERTIARY

JURASSIC AND CRETACEOUS

PALEOZOIC

Contact
Dashed where inferred

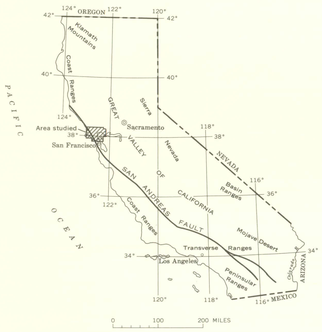
Fault
Dashed where inferred; dotted where concealed; queried where hypothetical or doubtful; U, upthrown side; D, downthrown side

Axis of anticline
Dashed where inferred, dotted where concealed

Axis of syncline
Dashed where inferred, dotted where concealed

Isogals
Lines of equal complete Bouguer anomaly in milligals, dashed in areas of poor control, contour interval 2 milligals

Gravity station



INDEX MAP SHOWING AREA OF THIS REPORT

APPROXIMATE MEAN DECLINATION, 1965

Base adapted from U.S. Geological Survey topographic quadrangles: San Francisco, Point Reyes, Tamalpais, Petaluma, Mare Island, Sonoma, Santa Rosa and Sebastopol

Geology compiled from Galloway (1962), Lawson (1914), Schlocker, Bonilla, and Radbruch (1958), Travis (1952), and Weaver (1949).

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1965—G64242

COMPLETE BOUGUER GRAVITY MAP OF THE NORTHERN PART OF THE SAN FRANCISCO BAY AREA AND ITS GEOLOGIC INTERPRETATION

By
William G. Clement

SCALE 1:125 000

2 0 2 4 6 8 10 MILES

2 0 2 4 6 8 10 KILOMETERS

1965

GEOPHYSICAL INVESTIGATIONS
MAP GP–468

For sale by U.S. Geological Survey, price 50 cents