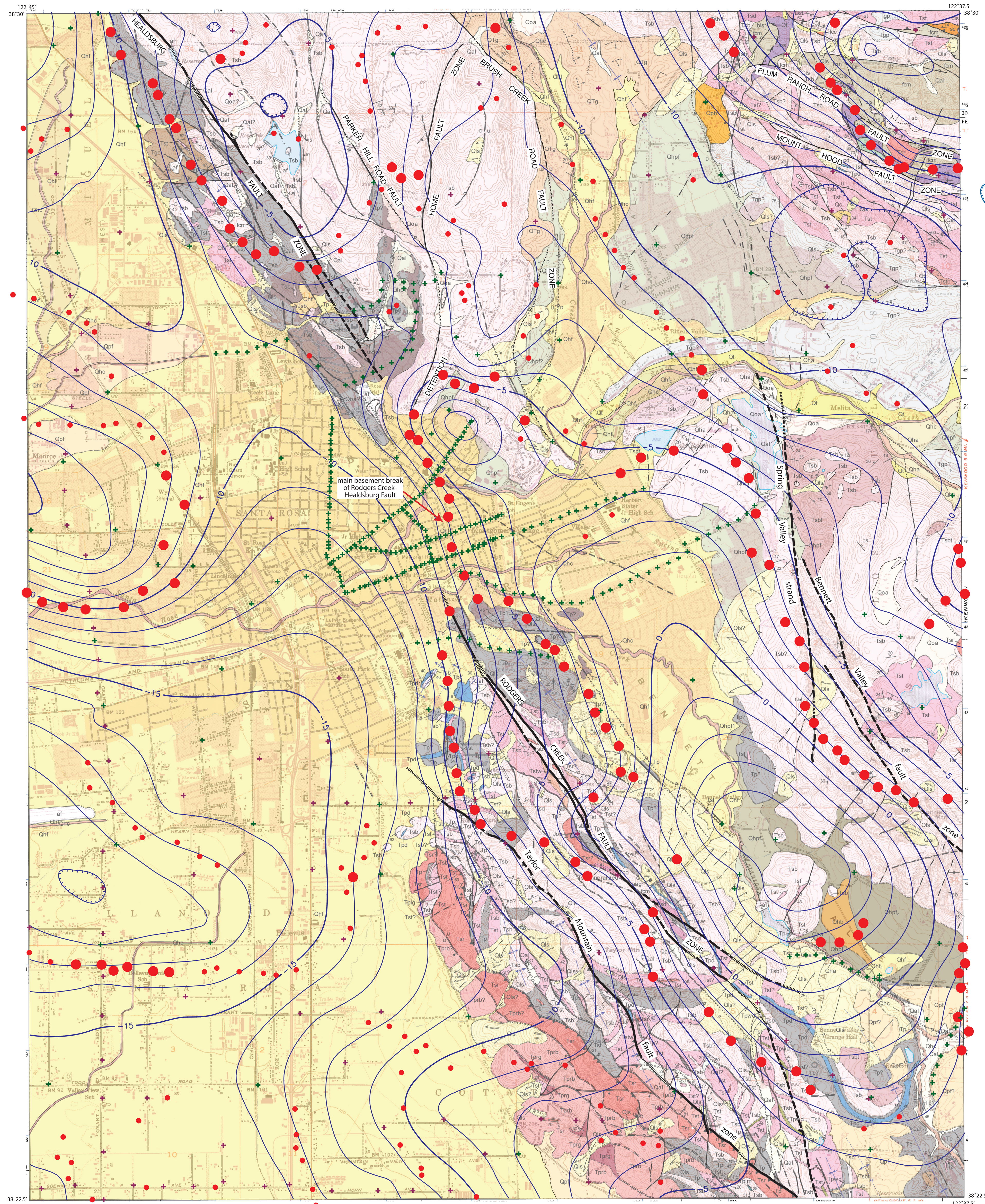
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

Open-File Report 2008-1009
Sheet 3 of 3
Pamphlet accompanies map



Base from U.S. Geological Survey, Santa Rosa, 1954;
photorevised 1980
Universal Transverse Mercator projection, zone 10

GN
MN
0°12′
4 MILS
17°
302 MILS

SCALE 1:24 000

1 1/2 0 1 MILE

1 .5 0 1 KILOMETER

Approved for publication January 11, 2008

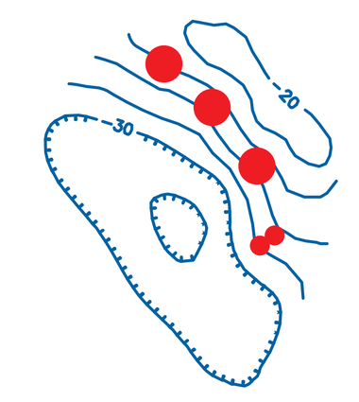
Map B. Isostatic Gravity Map

By

V.E. Langenheim, R.J. McLaughlin, D.K. McPhee, C.W. Roberts, and C.A. McCabe

EXPLANATION

[See chapter B in accompanying pamphlet for more information about data acquisition and processing. See Map A for explanation of geologic base, which is screened 75%, except for faults of interest.]

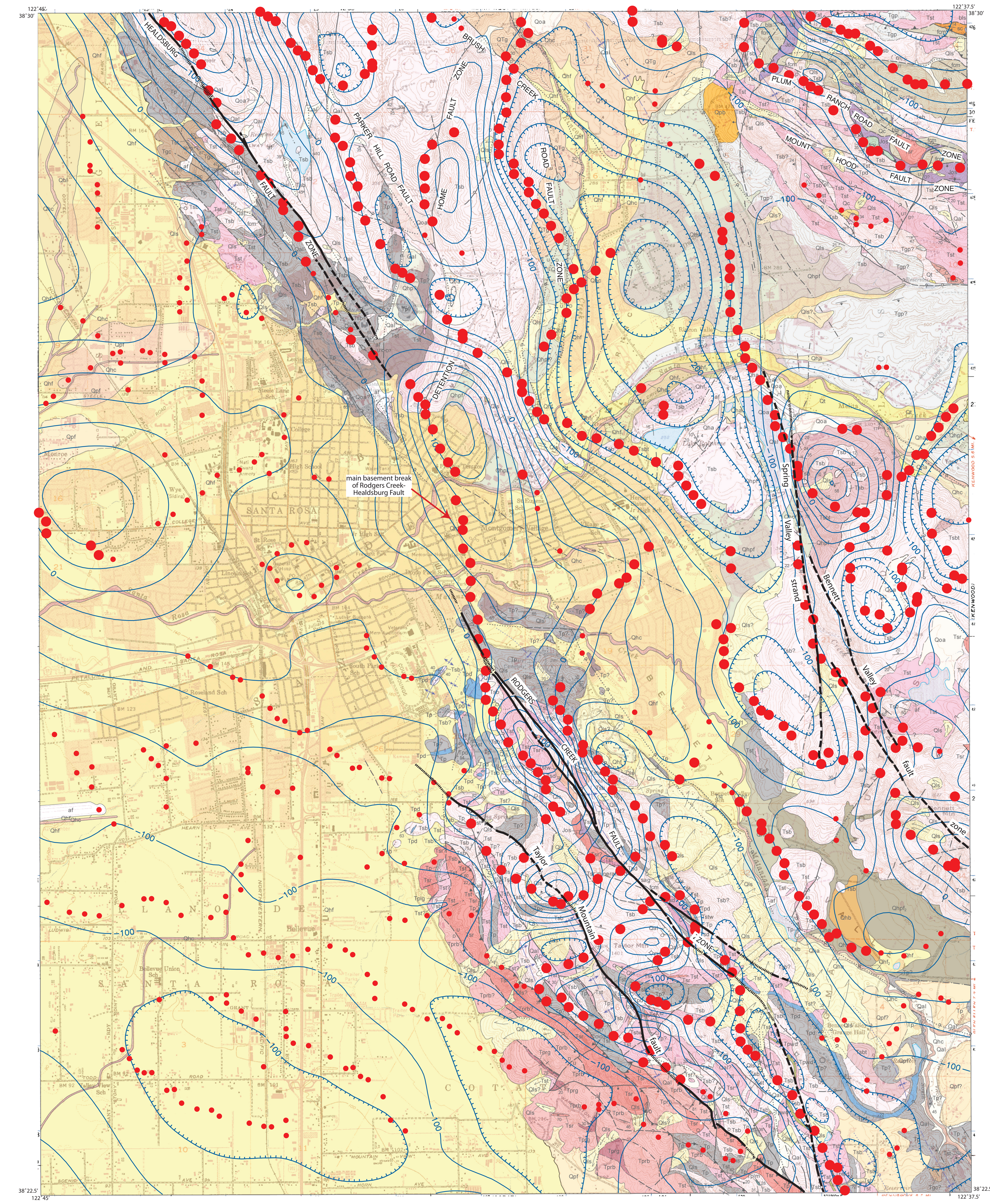


Gravity anomaly contours–Contour interval, 1 and 5 mGal. Hachures indicate gravity low. Contours were computer generated based on a 300-m grid. Red circles are density boundaries automatically calculated from grid; larger circles indicate greater than average magnitude of gravity gradient. Smaller circles indicate less than average magnitude of gravity gradient

Gravity Station locations

+ California Division of Mines and Geology station

+ U.S. Geological Survey station



Base from U.S. Geological Survey, Santa Rosa, 1954;
photorevised 1980
Universal Transverse Mercator projection, zone 10

GN
MN
0°12′
4 MILS
17°
302 MILS

SCALE 1:24 000

1 1/2 0 1 MILE

1 .5 0 1 KILOMETER

Approved for publication January 11, 2008

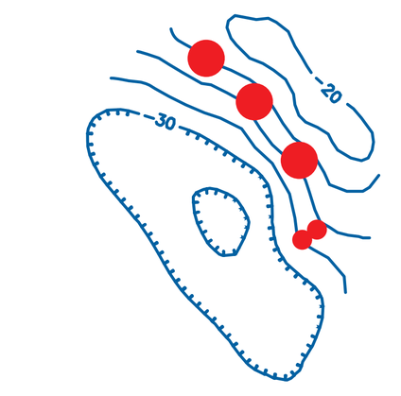
Map C. Aeromagnetic Map

By

V.E. Langenheim, R.J. McLaughlin, D.K. McPhee, C.W. Roberts, and C.A. McCabe

EXPLANATION

[See chapter B in accompanying pamphlet for more information about data acquisition and processing. See Map A for explanation of geologic base, which is screened 75%, except for faults of interest]



Aeromagnetic anomaly contours–Contour interval, 20 nT. Hachures indicate magnetic low. Contours were computer generated and based on a 200-m grid. Red circles are magnetization boundaries automatically calculated from grid; larger circles indicate greater than average magnitude of magnetic potential gradient. Smaller circles indicate less than average magnitude of magnetic potential gradient

Geologic and Geophysical Framework of the Santa Rosa 7.5' Quadrangle, Sonoma County, California

By

R.J. McLaughlin[1], V.E. Langenheim[1], A.M. Sarna-Wojcicki[1], R.J. Fleck[1], D.K. McPhee[1], C.W. Roberts[1], C.A. McCabe[1] and Elmira Wan[1]

2008

[1]U.S. Geological Survey, 345 Middlefield Road, Menlo Park, CA 94025