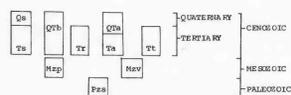




Base from U.S. Geological Survey, 1957
revised, 1969

CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

- Qa Sedimentary deposits (Quaternary)--Locally may include latest Tertiary gravel
- Qtb Basalt (Quaternary and Tertiary)--As old as 9 m.y.
- Qta Andesite (Quaternary and Tertiary)--Andesite flows and breccia. As old as 5 m.y.
- Tt Sedimentary rocks (Tertiary)--Tuffaceous sandstone, siltstone, and conglomerate to gravel; minor tuff and volcanic breccia. Locally may include Quaternary sedimentary deposits
- Tn Andesite (Tertiary)--Andesite flows and breccia; minor intrusive rocks of mafic and intermediate composition
- Tm Rhyolitic flows and intrusive rocks (Tertiary)--May include rocks to dioritic composition. May include cones, plugs, and flows of Quaternary age that form islands in Mono Lake
- Tl Tuff (Tertiary)--Welded and nonwelded rhyolitic ash-flow tuff; minor rhyolite flows and shallow intrusive rocks, andesite flow, and sedimentary rocks. Includes the Stanislaus Group and some intrusive rocks
- Msp Plutonic rocks (Mesozoic)--Granite to granodiorite; minor dioritic, gabbroic, and felsitic intrusive rocks
- Msv Volcanic and sedimentary rocks (Mesozoic)--Metamorphosed near granitic rocks
- Mps Sedimentary and volcanic rocks (Paleozoic)--May include Late Proterozoic rocks. Metamorphosed near granitic rocks

- Approximate contact
- High-angle fault--Dotted where concealed. Bar and ball on downthrown side
- Thrust or low-angle fault--Sawtooth on upper plate



Gravity map compiled by Donald Plouff, 1982;
geology generalized by J.H. Stewart and
Donald Plouff from Stewart and others (1982)

SCALE 1:250 000



CONTOUR INTERVAL 200 FEET
SUPPLEMENTARY CONTOURS AT 100-FOOT INTERVALS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

EXPLANATION

- ISOSTATIC RESIDUAL GRAVITY CONTOURS--Reduction density 2.67 g/cm³. Terrain corrections to 167 km. Hachures indicate gravity low. Contour interval 5 mgal
- GRAVITY STATIONS--Dot indicates location near bench mark, surveyed elevation, or spot elevation; square indicates location where elevation is less certain, for example, elevations established by altimetry or contour interpolation
- ▲ GRAVITY BASE STATION
- ▼ RHYOLITIC INTRUSIVE ROCKS--From Stewart and others (1982)
- x MINERAL OCCURRENCE--Mine location or occurrence where accumulative production exceeded \$5,000 at time of sale (from Kleishamp and others, 1984)

ISOSTATIC RESIDUAL GRAVITY MAP

BOUGUER GRAVITY ANOMALY AND ISOSTATIC RESIDUAL GRAVITY MAPS OF THE WALKER LAKE 1° BY 2° QUADRANGLE, CALIFORNIA AND NEVADA

By

Donald Plouff

1987