DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Prepared in cooperation with

THE STATE OF NEVADA

OPEN-FILE REPORT
82-188

NEVADA / ARIZONA

NEVADA / CALIFORNIA

CALIFORNIA / ARIZONA

36: 0: 0

35:45: 0

35:30: 0

35:15: 0

35: 0: 0

EXPLANATION

Contour interval is 2.5 mgal

Hachures indicate areas of low gravity
closure; L = low, H = high

△   Stations collected by Bracken and Kane during 1981

▽   Stations supplied by NOAA (National Geophysical and Solar-
     Terrestrial Data Center, Boulder, CO 80303)

SPECIFICATIONS

Gravity reference datum: ISGN 1971 (International Association of
     Geodesy, 1971)

Density: 2.67 g/cc for Bouguer slab, curvature, and terrain corrections

Terrain corrections: Computer calculated from 0 km radius (at station) to
     166.7 km radius using method described by Plouff (1977) and revised
     by Godson (written commun., 1978).

Projection: Universal Transverse Mercator

Grid cell dimensions: 0.9073 km by 1.109 km for projected map version;
     0.0357 DEG by 0.0357 DEG (3.24 km by 3.96 km) for first compilation.

REFERENCES

International Association of Geodesy, 1971, Geodetic Reference System,
     1967: International Association of Geodesy, Special Publication 3
     (Bureau Central Association Internationale de Geodesie, Paris),
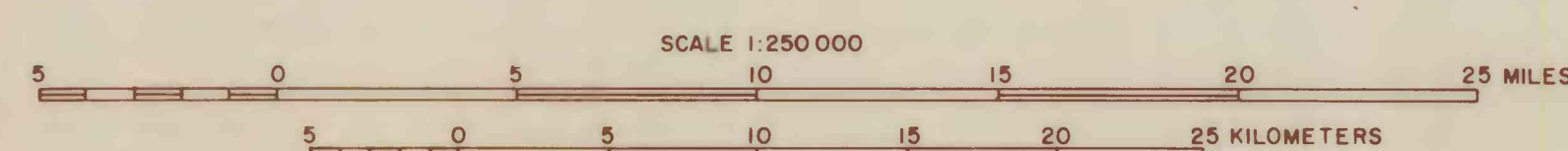   116 p.

Plouff, Donald, 1977, Preliminary documentation for a Fortran program to
     compute gravity terrain corrections based on topography digitized on
     a Geographic grid: U.S. Geological Survey Open-File Report 77-535,
     45 p.

BOUGUER GRAVITY MAP OF THE NEVADA PORTION OF THE KINGMAN 1° X 2° QUADRANGLE

By

R. E. Bracken and M. F. Kane

1982

This map is preliminary and has
not been edited or reviewed for
conformity to Geological Survey
standards.

SCALE 1:250 000

5   0   5   10   15   20   25 MILES

5   0   5   10   15   20   25 KILOMETERS

INDEX MAP OF NEVADA

Location of this study area