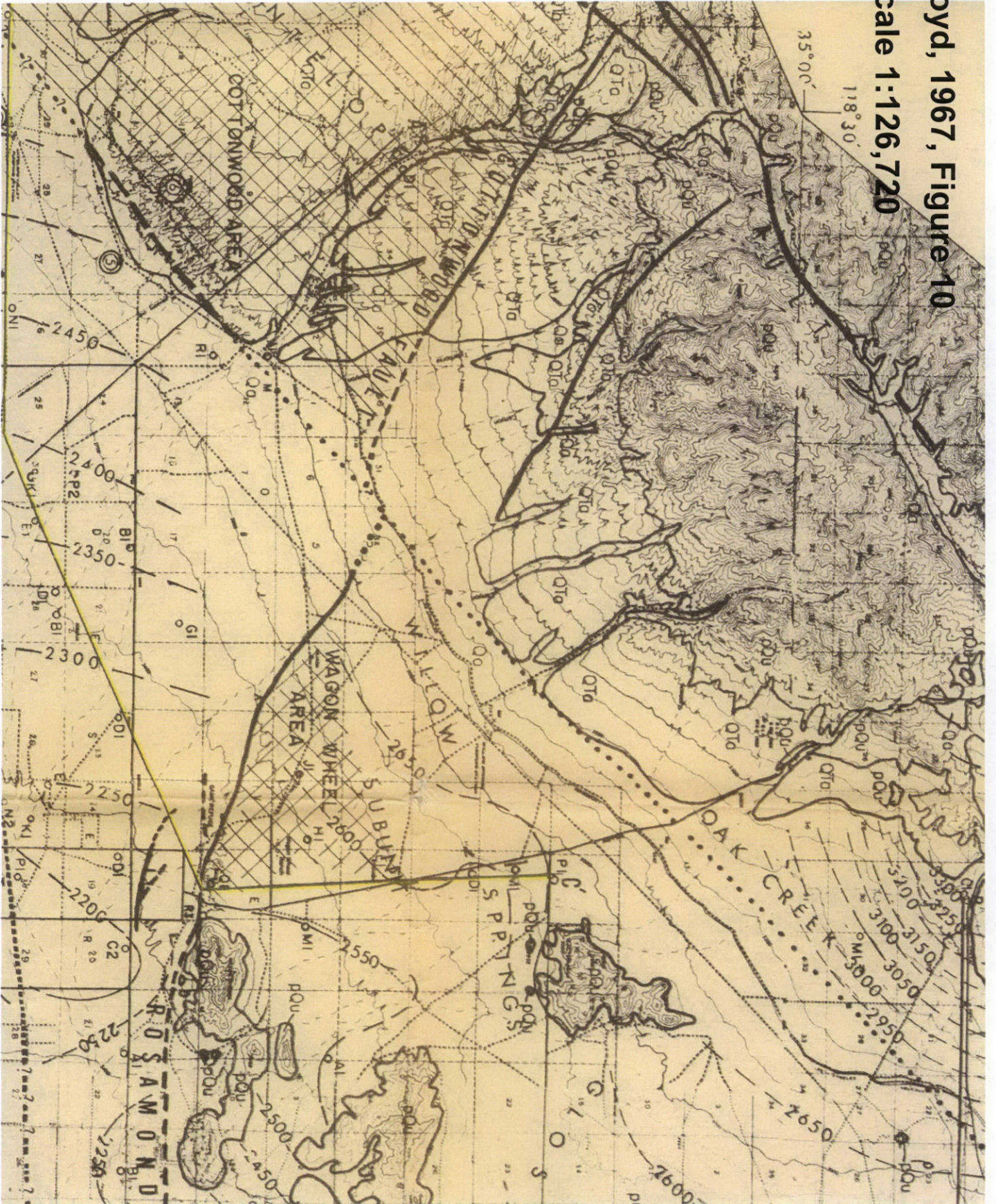


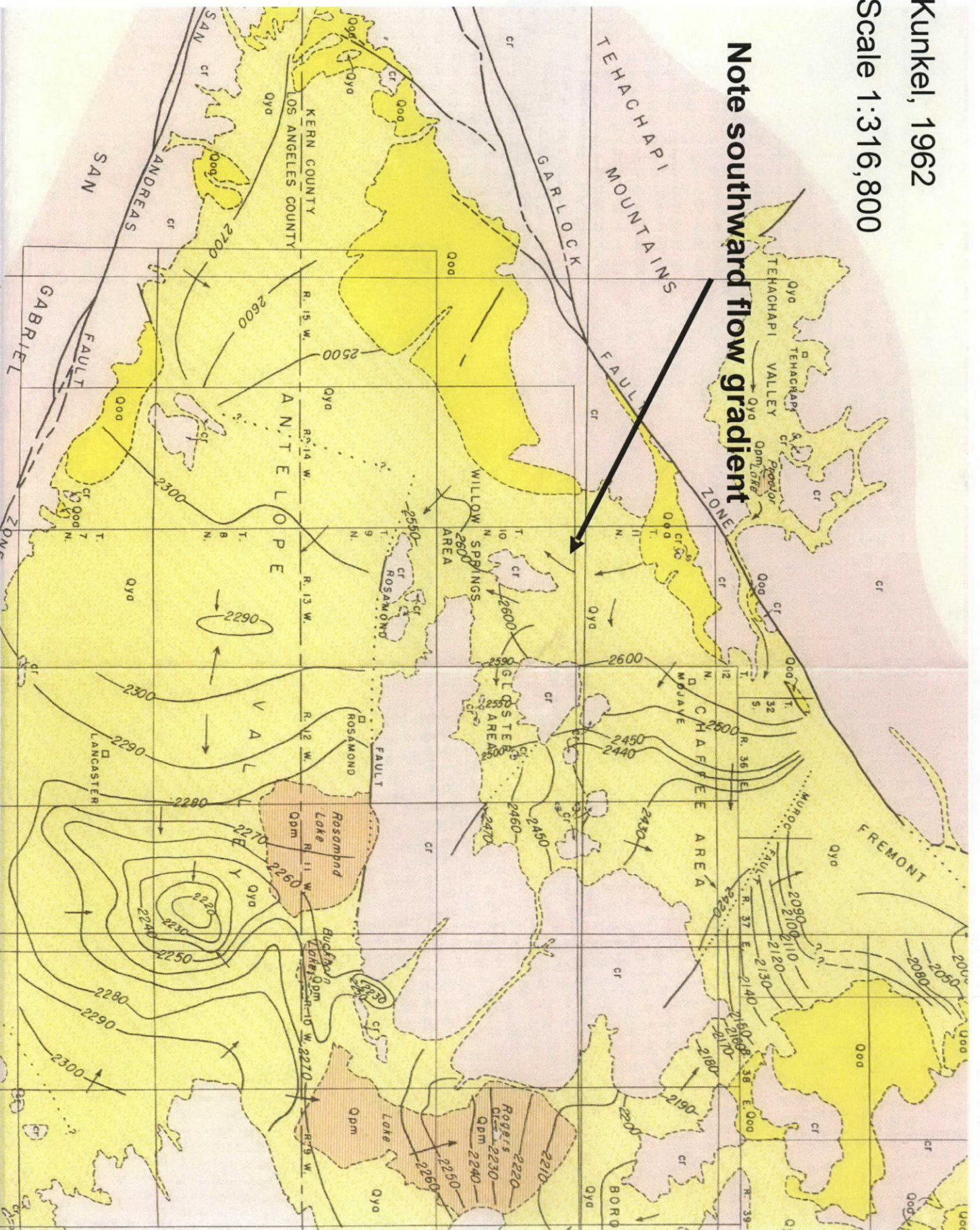
Bloyd, 1967, Figure 10
Scale 1:126,720



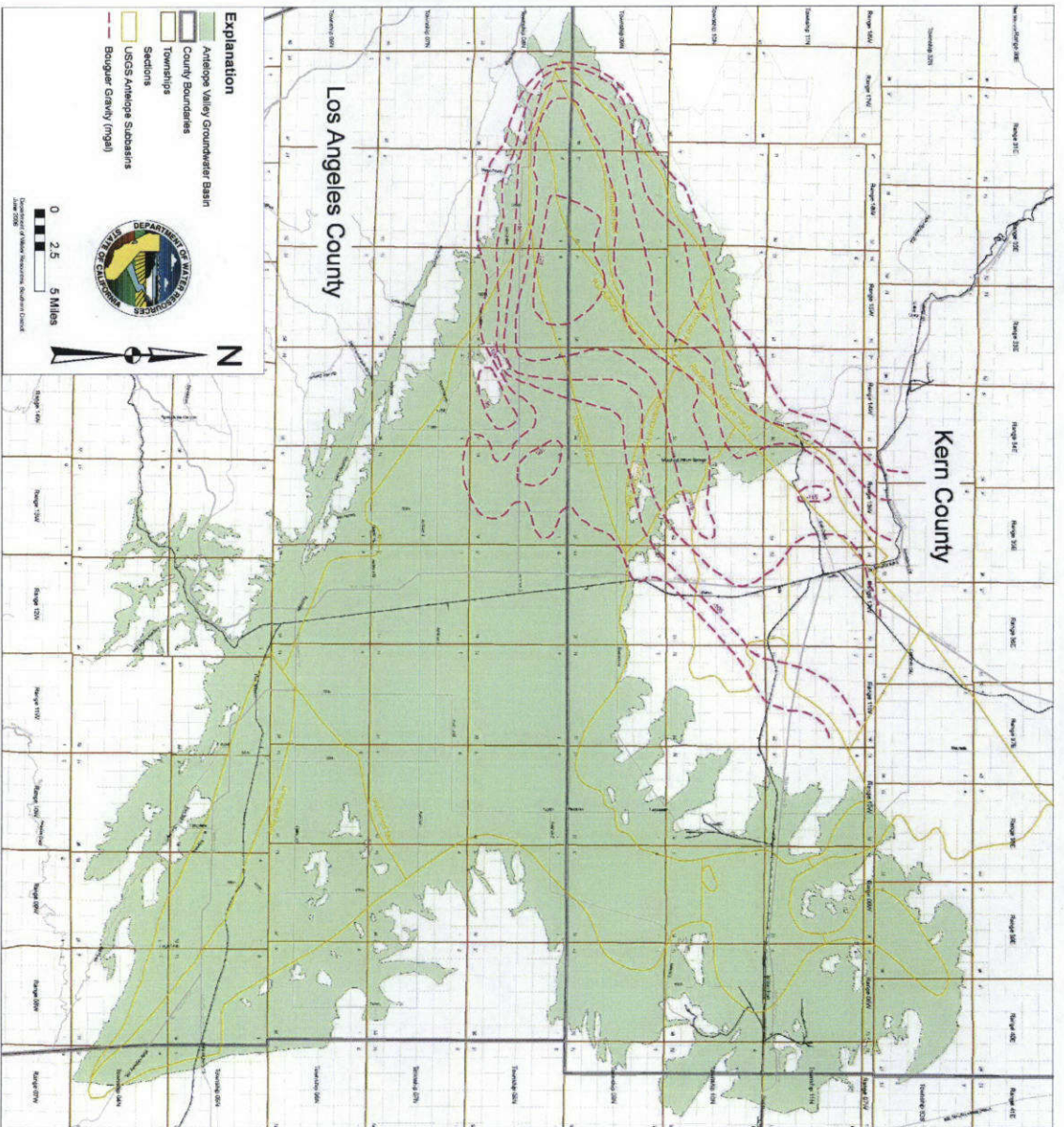
Kunkel, 1962

Scale 1:316,800

Note southward flow gradient

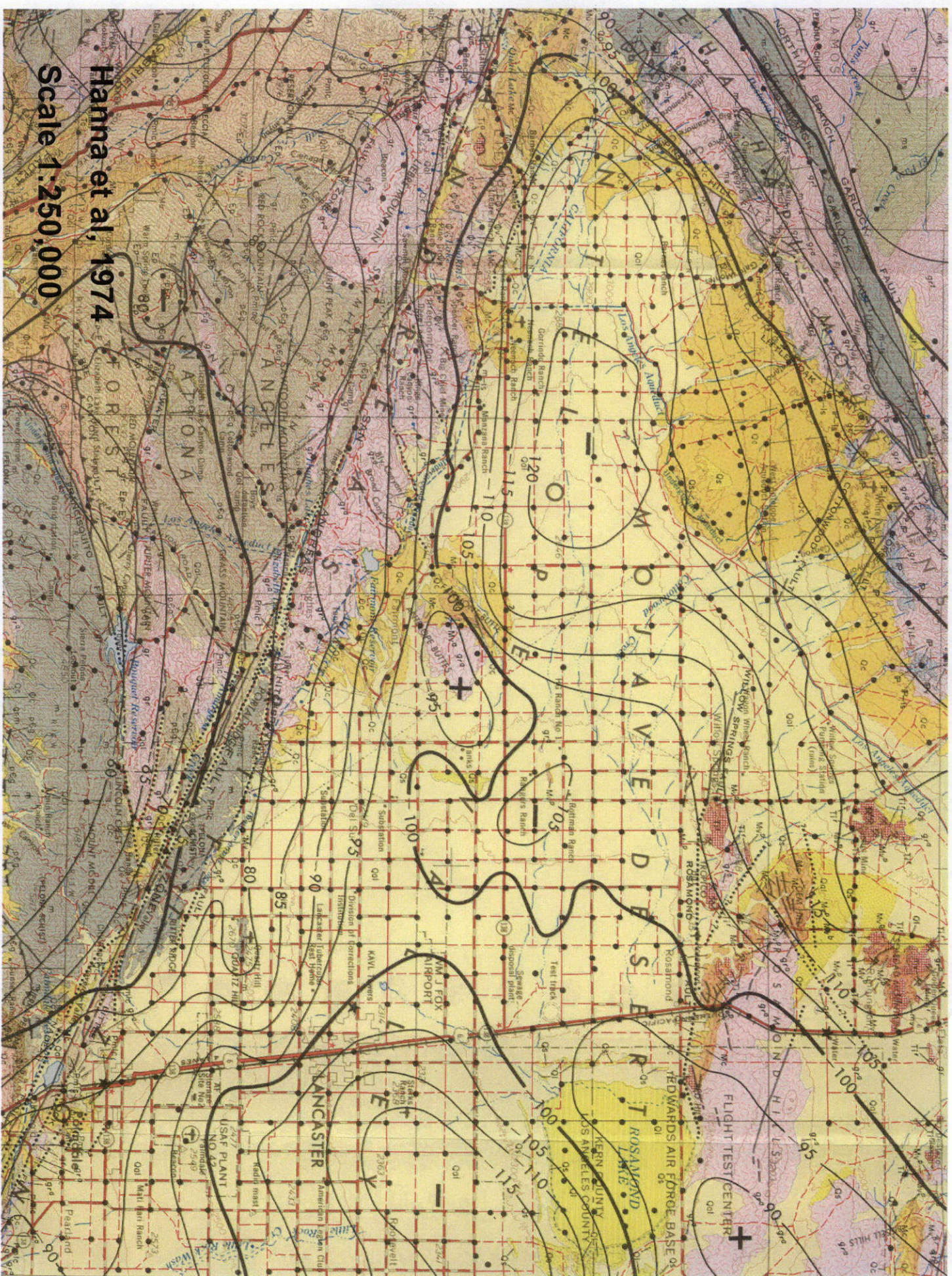


Antelope Valley Groundwater Basin



This map was created generally using GIS shape files available through the State of California. Transportation layers were obtained from the California Department of Transportation (Caltrans). The original DWR Groundwater Basin file was obtained at www.groundwater.water.ca.gov/basins/18basin_mapiindex.cfm in UTM 10, NAD83 projection. This shape file has been reprojected to UTM 11 NAD83. The USGS Antelope Valley Groundwater basin subbasins shape file was provided by Dr. Peter Martin of the U.S. Geological Survey. Gravity anomaly contours are adapted from the Bouguer Gravity Anomaly Map of California published by the California Division of Mines and Geology (now the California Geological Survey). The values for the contour lines are all negative such that as the values become more negative, the average density of the material is lower. This map is subject to change given the availability of additional information. California Department of Water Resources, Southern District, June 2006.

Exhibit 3:
Bouguer Gravity Anomaly Contours
in the Western Antelope Valley



Hanna et al, 1974

Scale 1:250,000

EXPLANATION

□ Alluvial sediments and basalt

▨ Sedimentary and volcanic rocks

Note ridge separating the two basins

Plutonic and metamorphic rocks

PRE-TERTIARY TERTIARY QUATERNARY

Gravity contours
Contour interval 5 milligals. Gravity values are complete Bouguer anomaly plus 1000 milligals

900
895

Cottonwood-Willow Springs fault

Closed contours indicate gravity low over Antelope basin

0 10 20 MILES

Dibblee, 1967

N

Closed contours indicate gravity low over Fremont basin

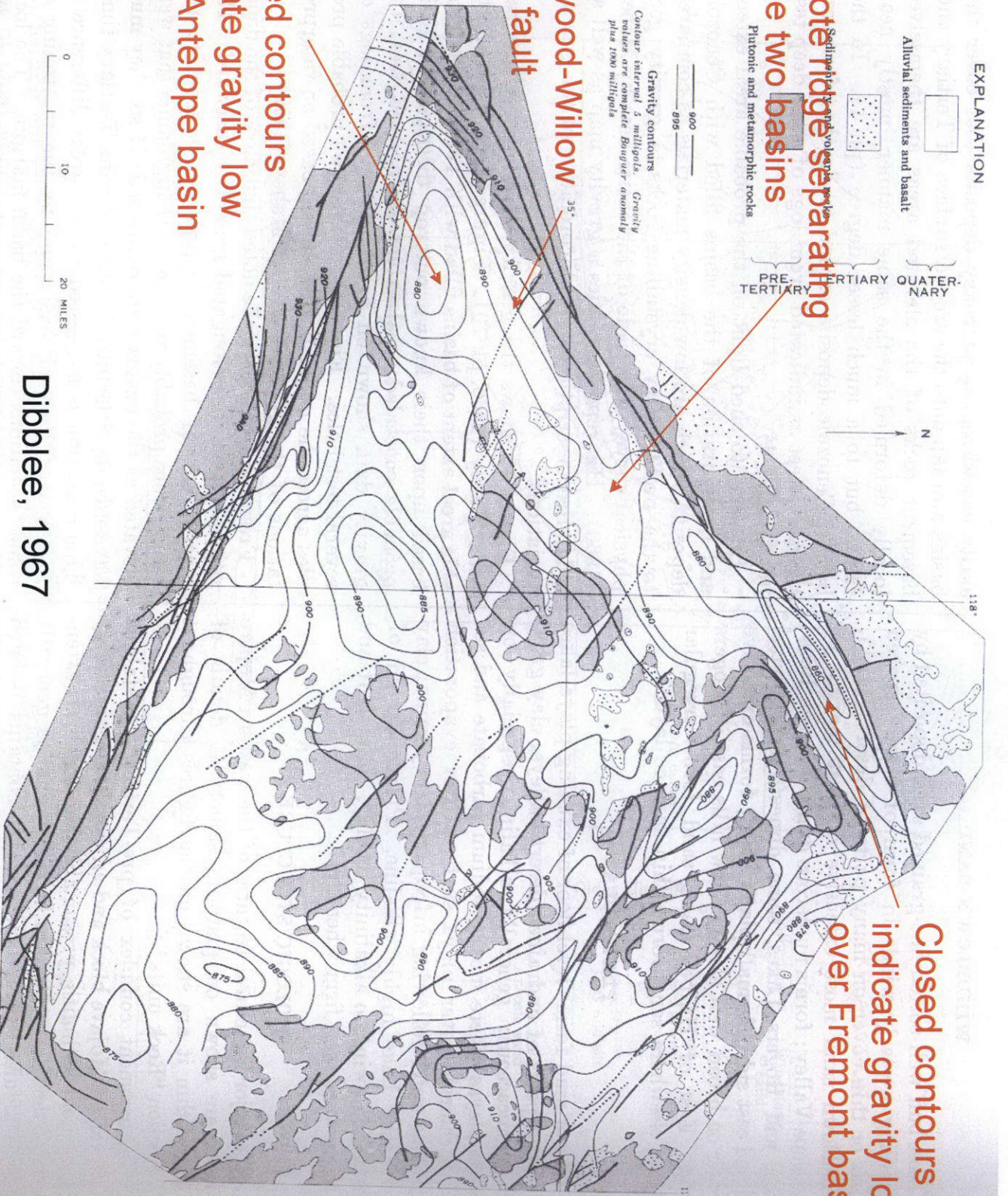


FIGURE 70.—Bouguer anomaly and generalized geologic map of western Mojave Desert. Gravity anomaly contours after Mabey (1960).