

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Contact
Dashed where gradational
or approximately located

Fault
Dashed where inferred,
dotted where concealed;
U, elevated; D, down-
thrown block (relatively);
single arrow indicates
direction of dip of fault

Anticline Syncline
Axis of fold, showing
direction of plunge

Strike and dip of bedding

Strike and dip of
foliation or gneissoid
structure

Abandoned test hole
drilled for oil or
gas (total depth in
feet indicated)

Qg	Qm		
Qa	Qf	Qs	Qc

Surficial sediments
Qg, sand and gravel
of Mojave River
Qm, alluvium near
Mojave River
Qa, alluvium of
Apple Valley,
mostly sand
Qf, alluvial fan
gravel
Qs, dune sand
Qc, clay of Rabbit
(dry) Lake

Qot	
Qoa	Qof

Older surficial
sediments (dissected)
Qot, terrace remnants
of older alluvium
Qoa, alluvial sand and
gravel
Qof, alluvial fan
gravel of quartzite
and granitic detritus

UNCONFORMITY

Pegmatite
(dikes)

qm	amp	gr
----	-----	----

Granitic rocks
qm, quartz monzonite
amp, porphyritic
quartz monzonite
gr, granite to alkali,
fine to medium
grained

qam	ham
grd	agr

Older granitic rocks
qam, granite to quartz
monzonite
ham, hornblende monzonite
and quartz monzonite
grd, granodiorite
agr, aplitic to fine grained
gneissoid granite to
quartz monzonite

qd

Biotite quartz diorite

hd

Hornblende
diorite-gabbro

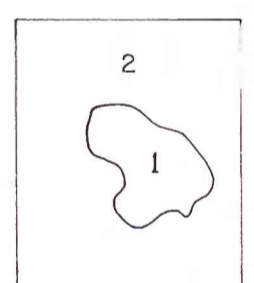
m	ms
---	----

Furnace Limestone
m, marble (white
limestone and
dolomite)
ms, schist and
phyllite

sq	sg
----	----

Saragossa Quartzite
sq, quartzite
sg, gneiss and schist

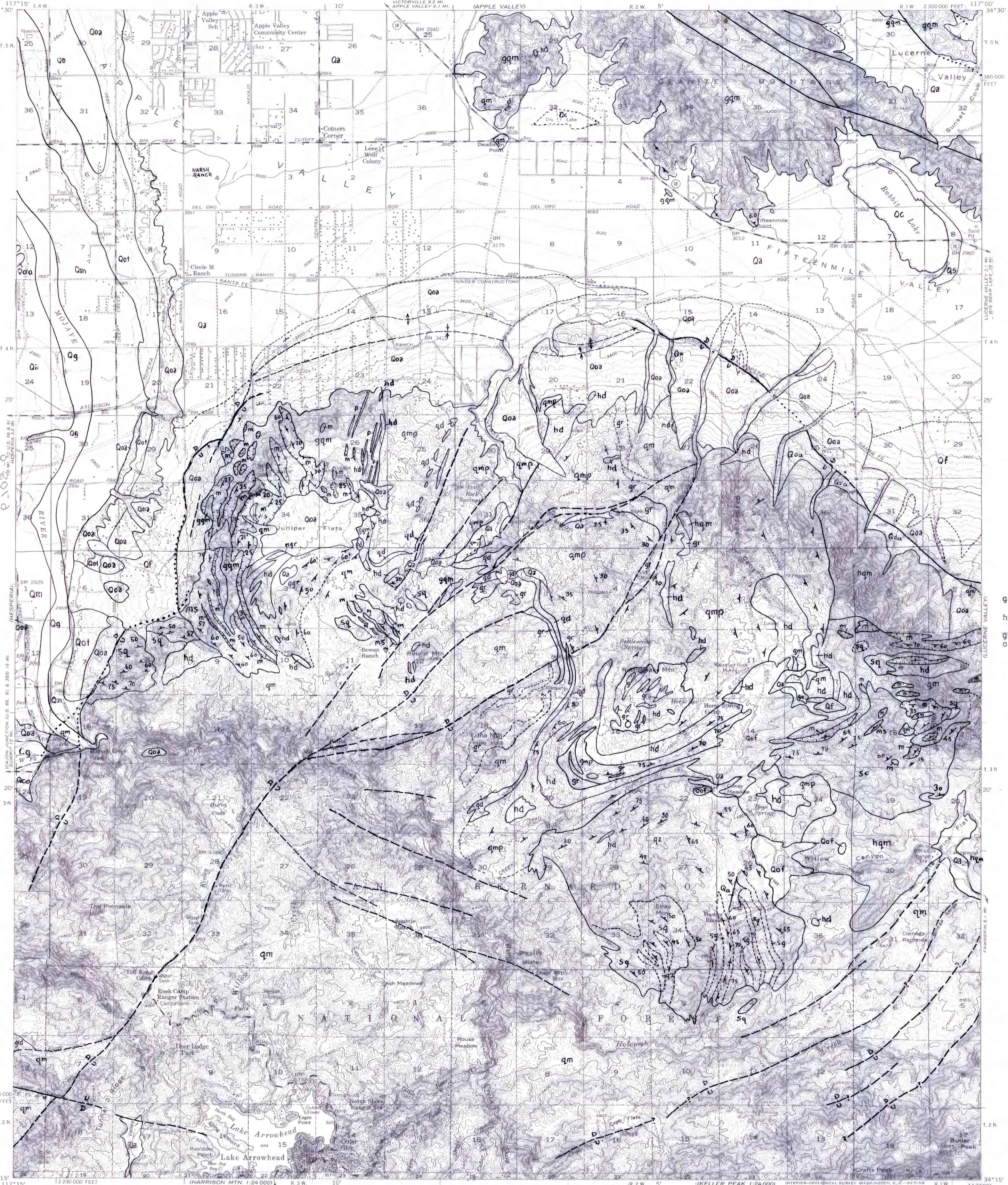
Pleistocene and Holocene
Pleistocene
CENOZOIC
Carboniferous
PALEOZOIC



Index to source of geology:
1. McColl, 1964
2. T. W. Dibblee, Jr.
(fieldwork 1958,
1967-68)

Geology compiled by
T. W. Dibblee, Jr., 1971
Drafted by G. J. Edmonston

Reference: R. S. McColl,
1964, Structural Geology
of Rattlesnake Mountain
pluton: Geol. Soc. Amer.
Bull. v. 75, n. 9, p. 805-
822



Mapped, edited, and published by the Geological Survey
Control by USGS, USC&GS, and USCE
Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1952. Field check 1956
Polyconic projection. 1927 North American datum
10,000-foot grid based on California coordinate system, zone 5
Dashed land lines indicate approximate locations
*Inchecked elevations are shown in brown

SCALE 1:62,500

ROAD CLASSIFICATION
Medium-duty Light-duty
Unimproved dirt
State Route

CONTOUR INTERVAL 40 FEET
DASHED LINES REPRESENT 20-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

COMPILED BY T. W. DIBBLEE JR., 1971

LAKE ARROWHEAD, CALIF.
N3415-W11700/15
1956

This map is preliminary and has not
been reviewed for conformity with
U.S. Geological Survey standards
and nomenclature.

GEOLOGIC MAP OF THE LAKE ARROWHEAD QUADRANGLE, CALIFORNIA