PLATE I
CALIFORNIA STATE DIVISION OF MINES
WALTER W. BRADLEY, STATE MINERALOGIST

GEOLOGIC BRANCH
OLAF P. JENKINS, CHIEF GEOLOGIST

GEOLOGIC MAP OF THE SAN JACINTO QUADRANGLE

SOUTH OF SAN GORGONIO PASS

BY

DONALD M. FRASER

1931

SCALE

1 ½ 0 1 2 3 4 5 MILES

LOCATION OF ECONOMIC MINERAL DEPOSITS

BY

R. J. SAMPSON

1932

Beaumont
Banning
Cabezon
SAN GORGONIO PASS
SOUTHERN PACIFIC
COACHELLA VALLEY
Whitewater
Mt. Davis
A
A'
LAWRENCE FAULT
Qal
Tme
Tmer
um
gr
gr-gn
Cabezon Pk.
Snow Cr.
Whitewater River
Chino Canyon
Palm Springs
Abe Lincoln Cr.
Tahquitz Cr.
Tahquitz Valley
Tahquitz Pk.
Andreas Canyon
Murray Canyon
West Fork
Dry Fork
San Jacinto Pk
10805
Jean Pk.
Marion Mt.
San Jacinto River
North Fork San Jacinto River
Strawberry Cr.
Strawberry Valley
Rayneta
Point View
MOUNTAINS
T3S
T4S
T5S
T6S
T7S
R4E
R5E
Eureka Hot Springs Limestone Deposit
Gulberson Limestone Deposit
Noveke Limestone Deposit
Southern Pacific Co's Limestone
San Jacinto Hot Springs
Saboba Hot Springs
Hemet Silica Mine
Moore Limestone Deposit
Gypsum Deposit
San Jacinto Rock Products Deposit
Pato Gem Deposit (Beryl & Rose Quartz)
Gem Deposit (Beryl)
Coahuma Brave - Feldspar Deposit
Hemet Belle Mine
Gold Shot Mine
Qb
Park Hill
San Jacinto
Florida
Vallevista
Hemet
Diamond Valley
Mica Butte
Cactus Valley
Willow Canyon
Tucalota Valley
Wilson Valley
Lewis
Roundtop
qb
Rouse Hill
Baldy
Bautista Cr.
Baisley Cr.
Coahuila Cr.
Coahuila
Coahuila Valley
Terwilliger Valley
Juan Diego Mt.
Thomas Mt.
Kenworthy
Table Mt.
Hemet Reservoir
Hemet Valley
Pipes Cr.
SAN JACINTO FAULT
CLAREMONT
HOT SPRINGS
VALLEY FAULT
BAUTISTA FAULT
THOMAS MT. FAULT
A
A'
B
B'
C
C'
D
D'
33°30'
117°00'
116°30'
R1W
R1E
R2E
R3E
R4E
T8S

SEDIMENTARY ROCKS

Quaternary

Qal — *Alluvium.* (Sand and soil of the valley floors and stream debris)

Qb — *Bautista beds.* (Coarse loosely consolidated lenticular grayish sandstone and poorly lithified shale.)

Tertiary Pliocene

Tme — *Mt. Eden formation.* (Non-marine shale and sandstone series forming loosely consolidated strata, tan in color, containing vertebrate fossils.)

Tmer — *Red Bed member (Mt. Eden formation).* (Massive arkosic red beds grading upward into massive gray sandstone and shale.)

METAMORPHIC ROCKS

Paleozoic or older

um — *Metamorphic series.* (Predominantly mica schist, also minor amounts of hornblende schist, limestone and quartzite.)

IGNEOUS ROCKS

Jurassic ?

gr — *Granite.* (Typical granite and the most widely distributed rock in the San Jacinto quadrangle.)

gr-gn — *Granite gneiss.* (Gneissoid marginal phase of the granite.)

gb — *Gabbro.* (Dense black to greenish black rock with a tendency to gneissoid structure. Post-metamorphic and pre-granitic in age.)

——— *Faults, exposed.*
– – – *Faults, buried.*
Contact
- - - - - *Approximate contact.*
..... *Gradational contact.*

Base map taken from U.S.G.S. San Jacinto quadrangle.

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