Hoppin 1951
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Plate 3

GEOLOGIC MAP
PALEN MOUNTAINS GYPSUM DEPOSIT

Palen Pass
Gravel
Gravel
Gravel
Gravel
Gravel
Gravel
Packard Well
Highly deformed pink, white, buff and gray marble w/ scattered thin layer skins
P(?)ma
Marble
Quartzite
Meta-igneous
J(?)mi
mi-ma un
J(?)mip
Porphyroblastic meta-igneous
Thick gravel
ma un
Highly deformed complex of marble, laminated marble and gypsum and siliceous marble and gypsum
Thick Talus
Gypsiferous
Ŧ(?)mc
Faulted and tilted Tertiary gravels under Recent gravel
Gravel over partially recrystallized and feldspathized meta-igneous
A
A'
B
B'
C
C'
Desert Center 28 miles
1500
1750
Nevadan (?)
J(?)mip
Porphyroblastic phase of meta-igneous rock
J(?)mi
Meta-igneous rock albite-quartz-biotite schist; commonly epidotic; highly feldspathized and recrystallized locally
Triassic(?)
Ŧ(?)mc
McCoy Mountains (?) formation (conglomerate, argillite, phyllite, grit, quartz porphyry
Upper Paleozoic (?)
P(?)ma
gypsum
Maria formation (Marble and gypsum; with gypsiferous epidotic schist and quartzite; feldspathic grit and quartzite; lime-silicate marble; laminated marble and siliceous marble; Small masses of tremolite-actinolite rocks, with or without iron ore; skarn)
mi-ma un
Meta-igneous and Maria formation, undifferentiated
ma un
Maria formation, highly deformed complex
25
Contact, showing dip (Dashed where approximately located
Contact, very uncertain
Fault, showing dip (Dashed where approximately located
Concealed fault
Doubtful or probable fault (Dotted where concealed)
35
Fault, showing bearing and plunge of grooves, striations, or slickensides
U
D
High angle fault U, upthrown side, D, downthrown side
Fault, showing relative movement
T
Thrust or low angle reverse fault (T, upper plate)
30
Anticline (Showing trace of axial plane and bearing and plunge of axis)
30
Overturned anticline (Showing trace of axial plane, direction of dip of limbs, and bearing and plunge of axis)
Plunge of minor anticline
Plunge of minor Syncline
30
Strike and dip of beds
Horizontal beds
55
Strike and dip of foliation
Strike of vertical foliation
Small prospect pit
0
100
200
400
800
Scale (feet)
N
25°30'
Contour interval 50 feet

Mapped by Richard A. Hoppin 1950
Base from aerial photographs