

EXPLANATION

UNCONSOLIDATED DEPOSITS

Qm
Morainal deposits
Crests of moraines shown by dotted lines

VOLCANIC ROCKS

Tb
Basalt

PLUTONIC ROCKS

gr
Granitic rocks
Mainly granodiorite but range compositionally from quartz monzonite to quartz diorite

ng
Noritic rocks
Norite of the Eagle Lake sequence of Loomis (1963)

di
Dioritic rocks
Quartz diorite to hornblende gabbro diorite. In places transitional to metamorphic rocks

METAMORPHIC ROCKS

mv
Metavolcanic rocks
Chiefly pneumatolytic quartz-feldspathic hornfels

ms
Metasedimentary rocks
Quartz-feldspathic and calc-hornfels. Locally contain and in places grade into intermediate and mafic igneous rocks, t, tactite

Contact
Dashed where approximately located or uncertain; dotted where concealed

$\frac{1}{80}$
Strike and dip of beds
 $\frac{65}{\text{Inclined}}$ $\frac{\text{Vertical}}$
Strike and dip of foliation

X
Area of prospect pits

Boundary of Desolation Valley primitive area
(Proposed as of June 1965)

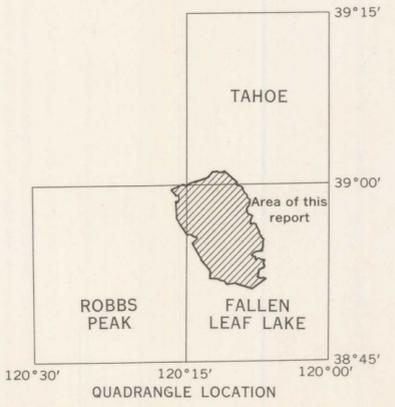
QUATERNARY
TERTIARY
CENOZOIC

MESOZOIC

Rocks of Sierra Nevada batholith



INDEX MAP OF CALIFORNIA
0 20 100 MILES

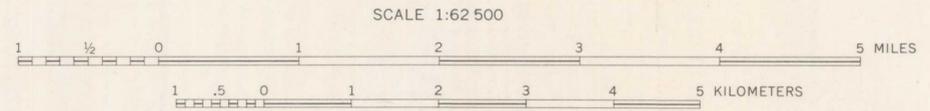
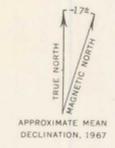


Base from U.S. Geological Survey topographic quadrangles: Tahoe, 1955; Robbs Peak, 1952; Fallen Leaf Lake, 1955

Geology modified and compiled from Waldemar Lindgren (1896, 1897) and A. A. Loomis (1964)

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1967—G67258

GENERALIZED GEOLOGIC MAP OF THE DESOLATION VALLEY PRIMITIVE AREA, CALIFORNIA



SCALE 1:62 500
CONTOUR INTERVAL 80 FEET
DATUM IS MEAN SEA LEVEL