

**EXPLANATION**

Qu  
Unconsolidated deposits  
Primarily alluvium, eolian, and glacial  
deposits in alluvial areas and alluvium  
in valley bottoms

Otb  
Basalt  
Includes some rhyolite tuff on San  
Joaquin Mountain and south of Devils  
Postpile

Td  
Felsic dike  
Mount Dana area

Kg  
Granodiorite and quartz  
monzonite, undivided  
Rocks of the Cathedral Range intrusive  
epoch (Easmund and Kistler, 1970)

Kjs Kjl Kjk  
Granitic rocks  
Kjs, quartz monzonite of Shellenbarger  
Lake  
Kjl, granodiorite of Lost Dog Lake  
Kjk, granodiorite of King and Fish  
Creeks

Kjd  
Diorite, quartz diorite, and gabbro

mv ms  
Quartz monzonite and  
granodiorite, undivided  
Rocks of the Lee Vining intrusive epoch  
(Easmund and Kistler, 1970)

Metamorphic rocks  
mv, metasedimentary rocks, chiefly volcanic  
tuff and breccia, minor low grade  
ms, metasedimentary rocks, chiefly  
horizontally and axial with minor impure  
marble

Contact, approximately located

Fault  
Dashed where approximately located;  
dotted where concealed; Ball and bar  
on downthrown block

Inclined Vertical  
Strike and dip of layered rocks

Boundary of Minarets Wilderness

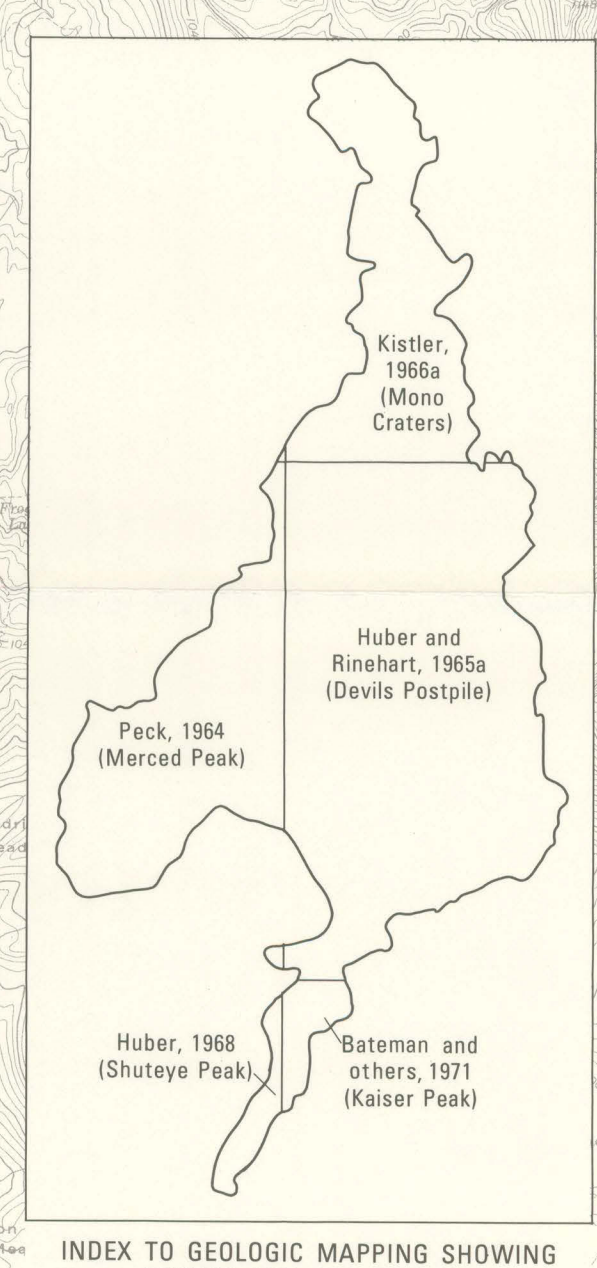
Boundary of study area

Locations of major prospects

BP—Bliss prospect  
MP—Mark prospect  
MAMP—Minarets base-metal prospect  
MIP—Minarets iron prospect  
MPP—Mono Pass prospect  
MPP—Maver (Shadow Creek) prospect

Magnetic contours  
Showing actual magnetic intensity of  
Earth's magnetic field (in gamma) at  
right altitude of 12,250 ft (4.4 km)  
Contour interval, 10 gamma; dashed  
where approximately located  
Flight lines marked are east-west and  
approximately 1 mile (1.6 km) apart.  
Magnetic highs are marked by an "H"  
and their maximum values given in  
gamma. Similarly, lows are marked by  
an "L" and the lowest contour is  
hatched. A regional trend of 8-80  
gamma/m, north and 4-15  
gamma/m, east was removed using  
the 1965 IGRF updated to 1973  
(Lorenz and Benninghoff, 1971)

M  
Block letters A through V indicate  
aeromagnetic highs and lows  
discussed in text. Lines K-K' and  
L-L' locate aeromagnetic profiles  
discussed in text (see figs. 20, 21,  
24, 26).



GENERALIZED GEOLOGIC AND MAGNETIC-INTENSITY MAP OF THE MINARETS WILDERNESS AND ADJACENT AREAS, CALIFORNIA