



Columnar sections of stratigraphic units
at the
PENN MINE
Calaveras County, California

Explanation

- Jm - Mariposa slate
 Jap - meta-andesite and meta-dacite pyroclastics
 Jar - meta-rhyolite tuff
 Jaf - meta-felsite pyroclastics; Jafb - intercalated meta-basalt flows
 Jav - meta-agglomerate and meta-tuff, with undifferentiated felsite
 Jab - meta-basalt; Jabp - pillow lava; Jabf - felsite lentils
 Jafv - meta-felsite volcanics
- } Amador group

0 1000 2000 3000 FEET

Vertical scale

February 1945

Penn Mine Plate 6