

EXPLANATION

Creede Formation

Fisher Quartz Latite
Darker shade indicates volcanic neck

Formations erupted concurrent with subsidence of the Creede caldera
Darker shade indicates volcanic neck. Includes Farmers Creek Rhyolite, Mammoth Mountain Rhyolite, Wason Park Rhyolite, Rat Creek Quartz Latite, Nelson Mountain Quartz Latite, and Snowshoe Mountain Quartz Latite, as well as locally interlayered rhyolite and quartz latite lava flows and tongues of Huerto Formation

Formations erupted just prior to subsidence of the Bachelor Mountain cauldron
Darker shade indicates intrusive plug. Includes the rhyolite of Miners Creek, Bachelor Mountain Rhyolite, Shallow Creek Quartz Latite, and Phoenix Park Member of the La Garita Quartz Latite

Outlet Tunnel Member of the La Garita Quartz Latite
Erupted just prior to subsidence of the La Garita cauldron

Contact
Dashed where approximately located

Faults active during late faulting in the Creede graben
Mineralization in the Creede district accompanied and followed this period of deformation. Dashed where approximately located. U, upthrown side; D, downthrown side

Faults active during resurgence of cauldron structures
Stipple pattern indicates brecciated rock. Faults of this type in the northern part of the map area formed during resurgence of the San Luis Peak cauldron; those in the southern part of the map area formed during doming at the Creede caldera following final subsidence

Faults active during recurrent subsidence of the Creede caldera
Dashed where approximately located; dotted where concealed by younger formations. U, upthrown side; D, downthrown side

Faults active during subsidence of the Bachelor Mountain cauldron
Stipple pattern indicates brecciated rock. Dashed where approximately located; dotted where concealed by younger formations. U, upthrown side; D, downthrown side

Fault active during subsidence of the La Garita cauldron
Dashed where approximately located; dotted where concealed by younger formations. U, upthrown side; D, downthrown side

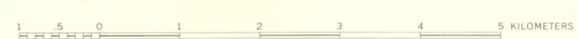
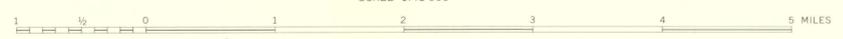
Distribution of rock units not known

Base by U.S. Geological Survey, 1959
Culture revised, 1963



TECTONIC MAP OF THE CREEDE DISTRICT, COLORADO

SCALE 1:48 000



CONTOUR INTERVAL 80 FEET
DOTTED LINES REPRESENT 40 FOOT CONTOURS
DATUM IS MEAN SEA LEVEL