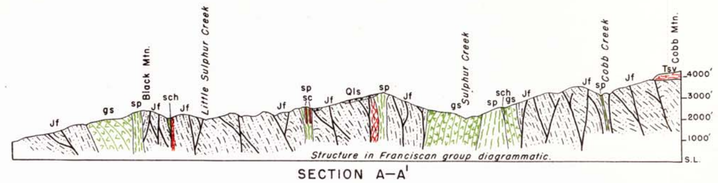
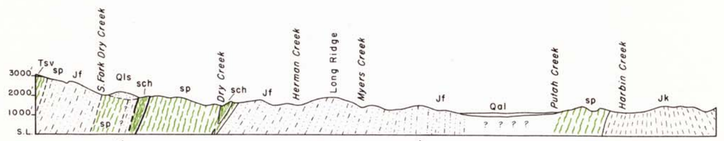
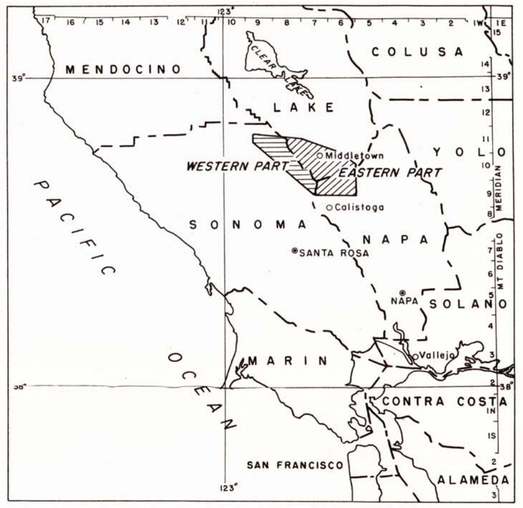


SECTION A–A'



SECTION B–B'

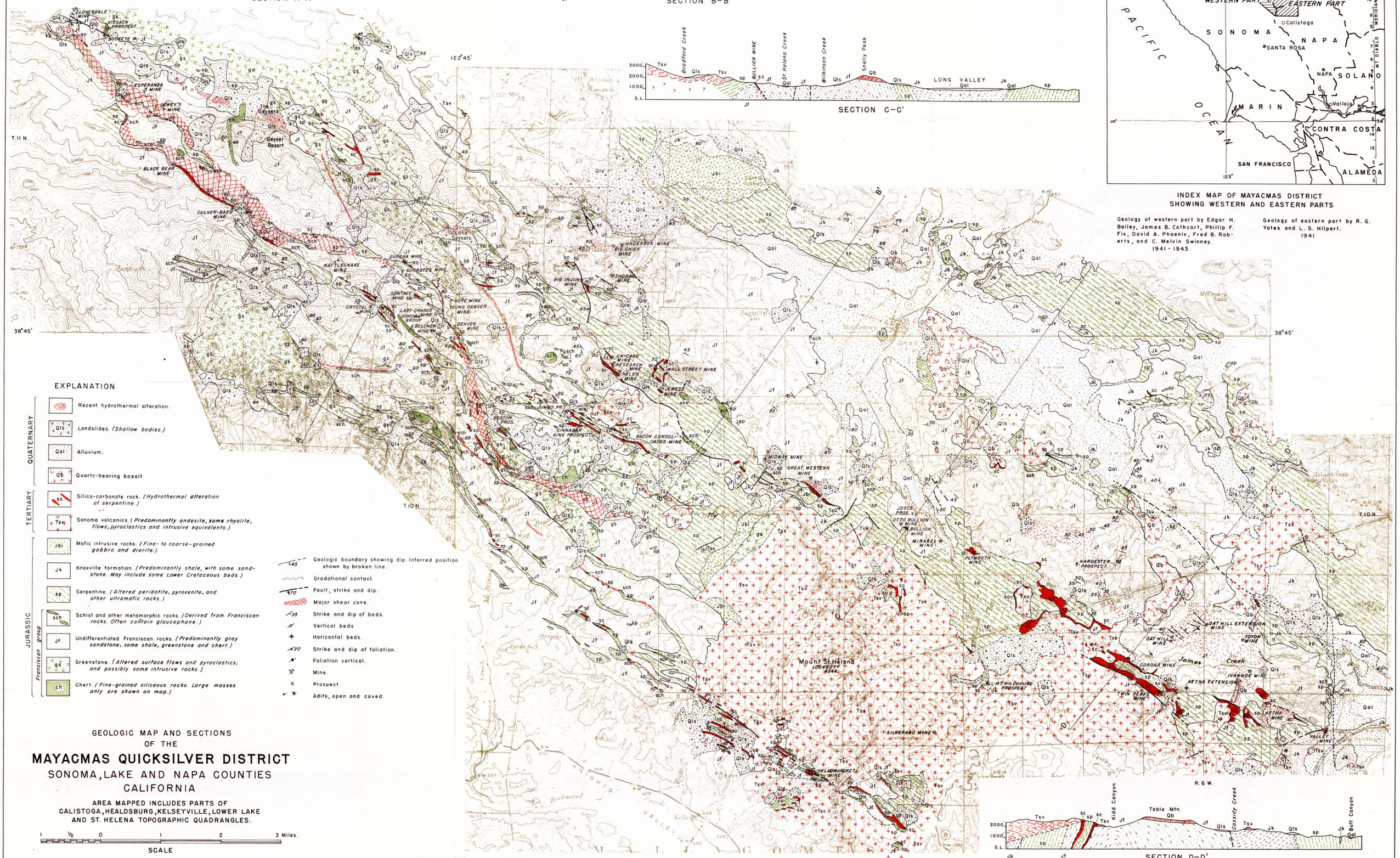
SECTION C–C'



INDEX MAP OF MAYACMAS DISTRICT
SHOWING WESTERN AND EASTERN PARTS

Geology of western part by Edgar H. Bailey, James B. Cathcart, Phillip F. Fix, David A. Phoenix, Fred B. Roberts, and C. Melvin Swinney. 1941 - 1943

Geology of eastern part by R. G. Yates and L. S. Hilpert. 1941



EXPLANATION

QUATERNARY

- Recent hydrothermal alteration.
- Qls — Landslides. *(Shallow bodies.)*
- Qal — Alluvium.
- Qb — Quartz-bearing basalt.

TERTIARY

- sc — Silica-carbonate rock. *(Hydrothermal alteration of serpentine.)*
- Tsv — Sonoma volcanics. *(Predominantly andesite, some rhyolite, flows, pyroclastics and intrusive equivalents.)*

JURASSIC

- Jbi — Mafic intrusive rocks. *(Fine- to coarse-grained gabbro and diorite.)*
- Jk — Knoxville formation. *(Predominantly shale, with some sandstone. May include some Lower Cretaceous beds.)*
- sp — Serpentine. *(Altered peridotite, pyroxenite, and other ultramafic rocks.)*

Franciscan group

- sch — Schist and other metamorphic rocks. *(Derived from Franciscan rocks. Often contain glaucophane.)*
- Jf — Undifferentiated Franciscan rocks. *(Predominantly gray sandstone, some shale, greenstone and chert.)*
- gs — Greenstone. *(Altered surface flows and pyroclastics, and possibly some intrusive rocks.)*
- ch — Chert. *(Fine-grained siliceous rocks. Large masses only are shown on map.)*

- 45 — Geologic boundary showing dip. Inferred position shown by broken line.
- Gradational contact.
- 70 — Fault, strike and dip.
- Major shear zone.
- 35 — Strike and dip of beds.
- Vertical beds.
- Horizontal beds.
- 20 — Strike and dip of foliation.
- Foliation vertical.
- Mine.
- Prospect.
- Adits, open and caved.

GEOLOGIC MAP AND SECTIONS OF THE MAYACMAS QUICKSILVER DISTRICT

SONOMA, LAKE AND NAPA COUNTIES CALIFORNIA

AREA MAPPED INCLUDES PARTS OF CALISTOGA, HEALDSBURG, KELSEYVILLE, LOWER LAKE AND ST. HELENA TOPOGRAPHIC QUADRANGLES.

1 ½ 0 1 2 3 Miles.

SCALE