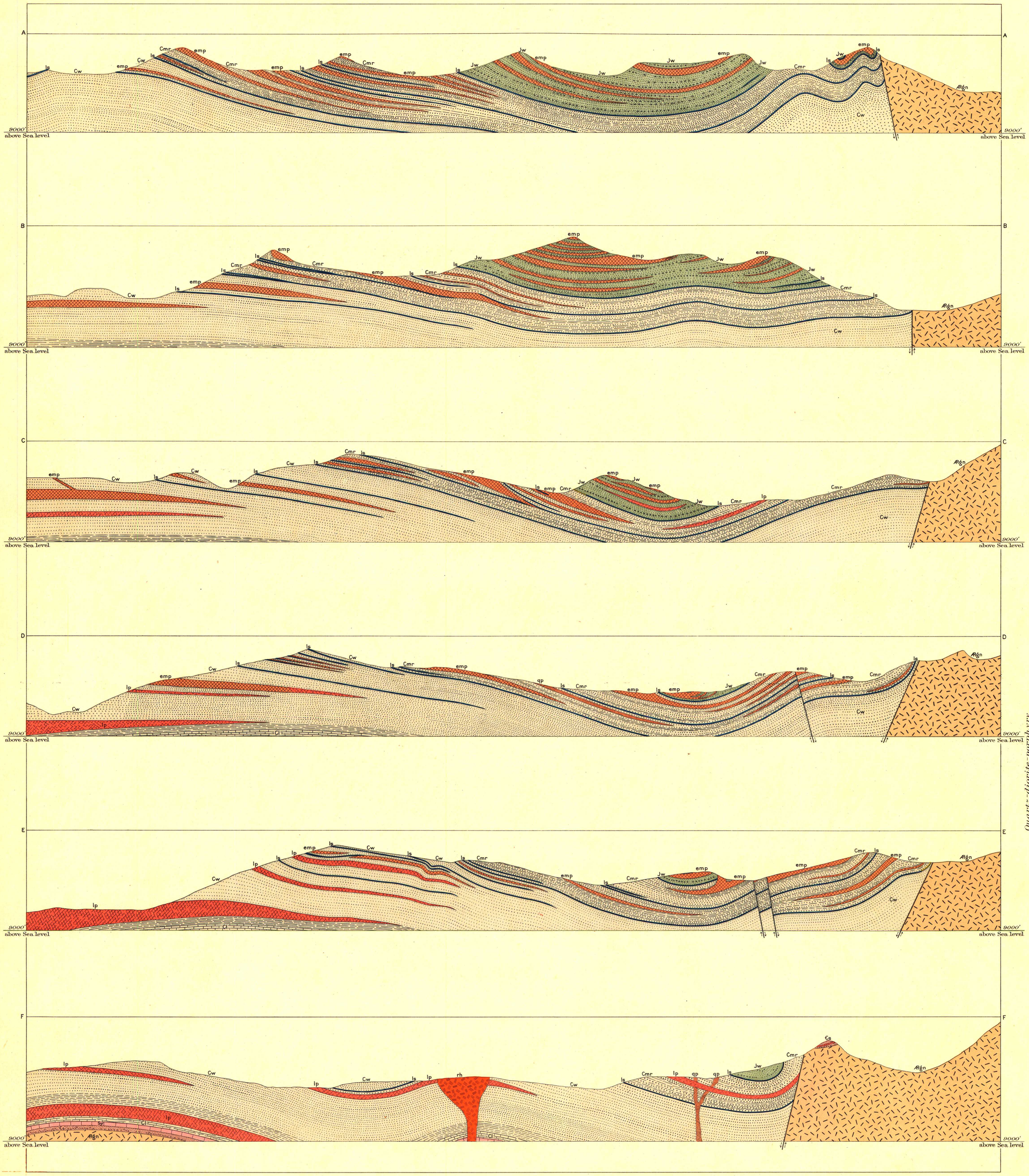
U. S. GEOLOGICAL SURVEY
CHARLES D. WALCOTT, DIRECTOR

STRUCTURE-SECTION SHEET NO. 1

COLORADO
TENMILE DISTRICT SPECIAL MAP



LEGEND

SEDIMENTARY ROCKS

JURATRIAS

- Jw — **Wyoming formation** *(red and mottled sandstones and conglomerates, with a few beds of limestone)*
- Is — **Limestone** *(in Wyoming formation)*

CARBONIFEROUS

- Cmr — **Maroon formation** *(coarse, reddish, arkose sandstone with reddish shales and thin beds of limestone)*
- Cw — **Weber formation** *(gray or pink sandstone, some beds bituminous, with muscovite and occasional limestone beds; shale at the base.)*
- Is — **Limestone** *(in Maroon and Weber formations)*
- Cl — **Leadville limestone** *("Blue limestone"; bluish-gray granular dolomite.)*

SILURIAN

- Sy — **Yule limestone** *("White limestone"; light-drab compact, somewhat siliceous limestone.)*

CAMBRIAN

- Cs — **Sawatch quartzite** *(white and generally thin-bedded, with thin conglomerate at the base; argillaceous or calcareous at the top)*

IGNEOUS ROCKS

Quartz-diorite-porphyry

- rh — **Rhyolite** *(partly coarse, "Nevadite," and partly fine grained.)*
- Ip — **Lincoln porphyry** *(characterized by large orthoclase crystals)*
- emp — **Elk Mountain porphyry** *(contains no orthoclase crystals; hornblendic in part.)*
- qp — **Quail porphyry** *(contains little quartz and much hornblende)*

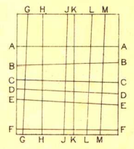
UNCLASSIFIED CRYSTALLINE ROCKS

ARCHEAN

- Ag̊n — **Gneiss, granite, and schist** *(including later eruptives)*

Faults

Sections



Known productive formations

Developed ore-bodies (replacing limestone)

Scale 2 inches to 1 mile or 1:31680

1 ¾ ½ ¼ 0 1 2 Miles

1 ¾ ½ ¼ 0 1 2 Kilometers

Edition of April 1898.

S. F. Emmons, Geologist in charge.
Geology by Ernest Jacob, S. F. Emmons, and Whitman Cross.
Surveyed in 1881–82.