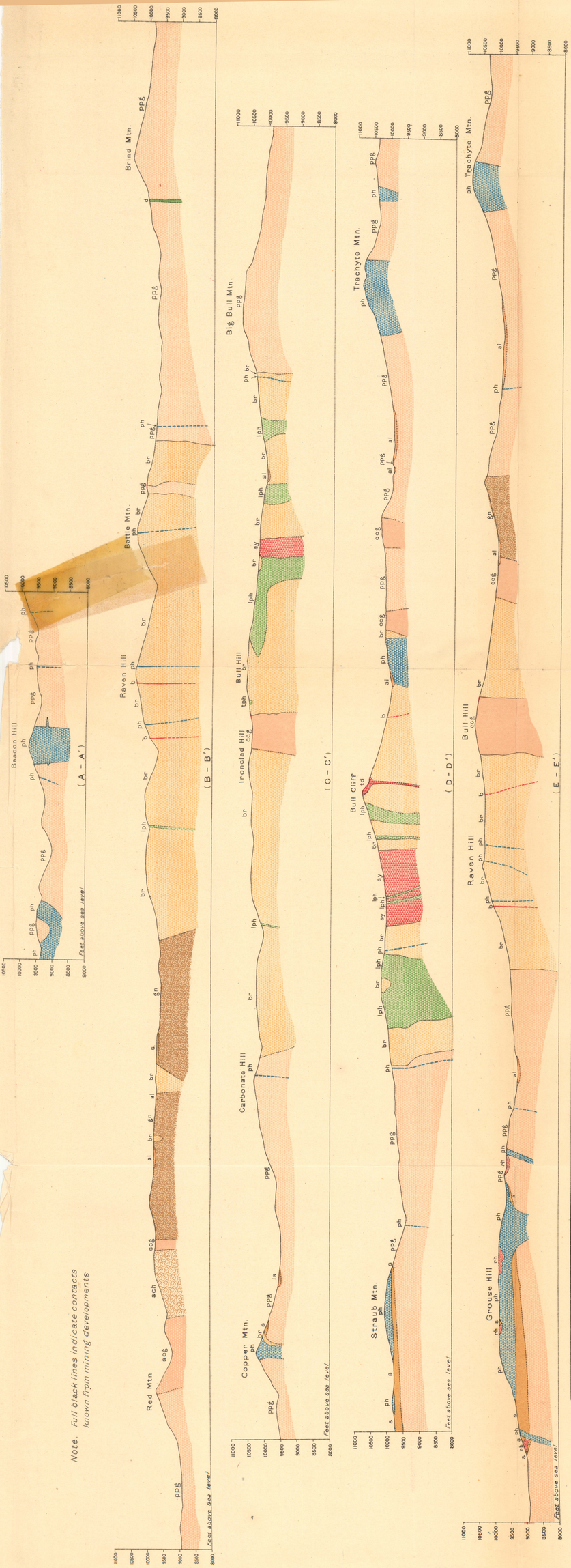
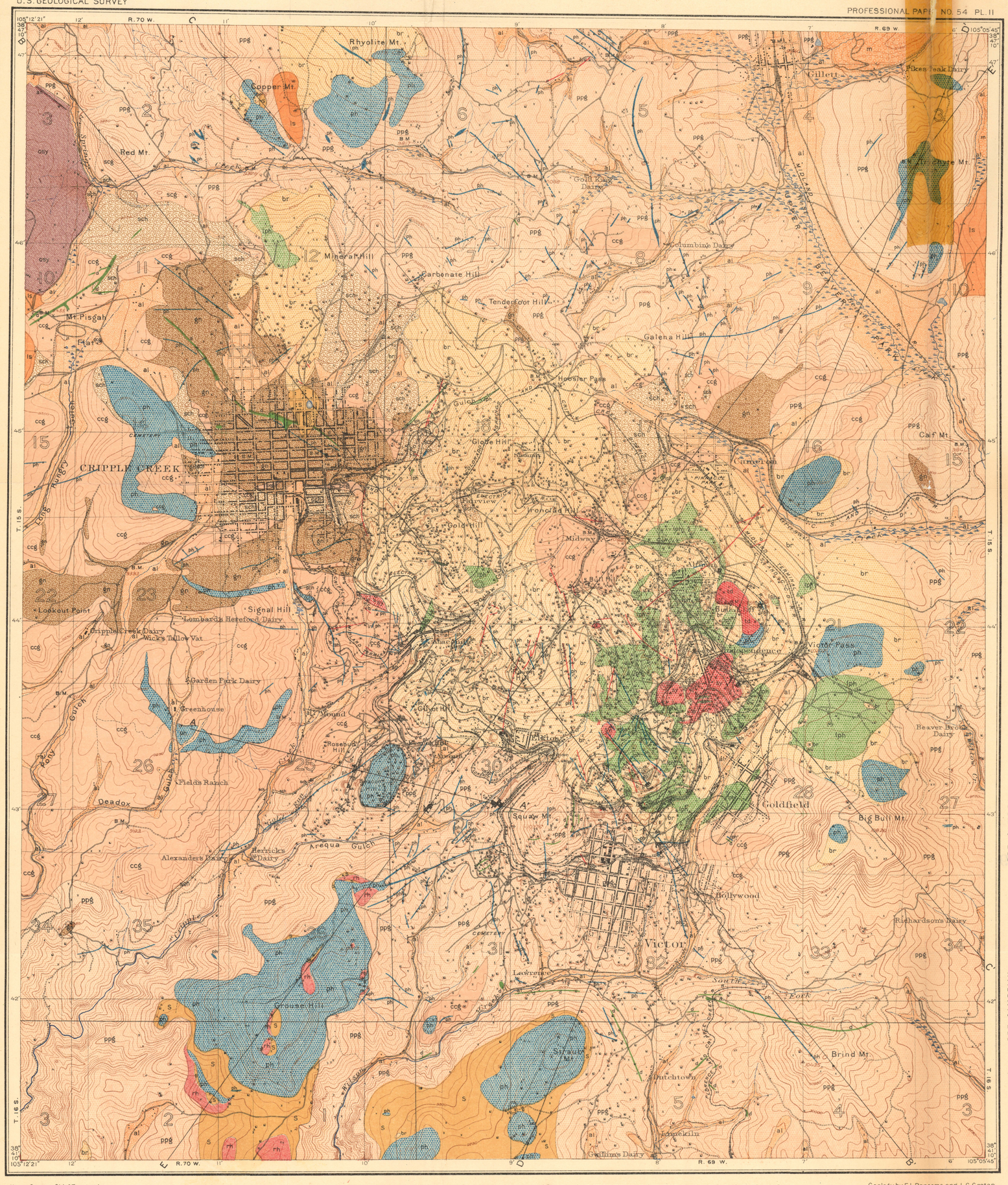


Note. Full black lines indicate contacts known from mining developments



LEGEND

SEDIMENTARY ROCKS

QUATERNARY

- al — **Alluvium** — *Clays, sands, and gravels of valleys*
- ls — **Landslides**
- m — **Moraines** — *Composed chiefly of granitic materials*

TERTIARY

- s — **Sands, grits and conglomerates** — *derived chiefly from granitic rocks*

IGNEOUS ROCKS

TERTIARY

- b — **Basic dikes** — *Comprising trachydolerite vogesite, and monchiquite*
- td — **Trachydolerite** — *Intrusive mass of Bull Cliff*
- ph — **Phonolite** — *Intrusive masses and dikes*
- lph — **Latite-phonolite** — *Intrusive masses and dikes with transitions to syenite*
- sy — **Syenite** — *Intrusive masses with transitions to latite-phonolite*
- br — **Breccia** — *Breccias with tuffs and agglomerates, composed chiefly of phonolite and latite-phonolite, locally containing abundant fragments of granite, gneiss, or schist; tuffs occasionally bedded*
- rh — **Rhyolite** — *Intrusive sheets*

PRE-CAMBRIAN

- d — **Diabase** — *Dikes and small irregular masses*
- an psy — **Olivine syenite** — *Intrusive mass consisting of olivine syenite, two facies of olivine gabbro, and dike of anorthosite*
- scg — **Spring Creek granite**
- ccg — **Cripple Creek granite**
- ppg — **Pikes Peak granite**

METAMORPHIC ROCKS

PRE-CAMBRIAN

- gn — **Gneiss** — *Quartz-feldspar-biotite gneiss probably derived from granite*
- sch — **Schist** — *Quartz-muscovite-fibrolite schist, possibly derived from sediments*

- Shafts
- × Prospects
- Y Mine tunnels

Henry Gannett, Chief Topographer
Topography by W. B. Corse, T. M. Bannon, and E. M. Douglas
Triangulation by E. M. Douglas
Surveyed in 1884
Revised in 1902-1903 by R. T. Evans
E. M. Douglas, Geographer in charge

GEOLOGIC MAP AND SECTIONS OF THE CRIPPLE CREEK DISTRICT, COLORADO

Scale 25000

0 ¼ ½ ¾ 1 2 miles

0 1 2 kilometers

Contour interval 50 feet

Datum is mean sea level

Geology by F. L. Ransome and L. C. Graton
Surveyed in 1903

JULIUS BIEN & CO. LITH. N.Y.