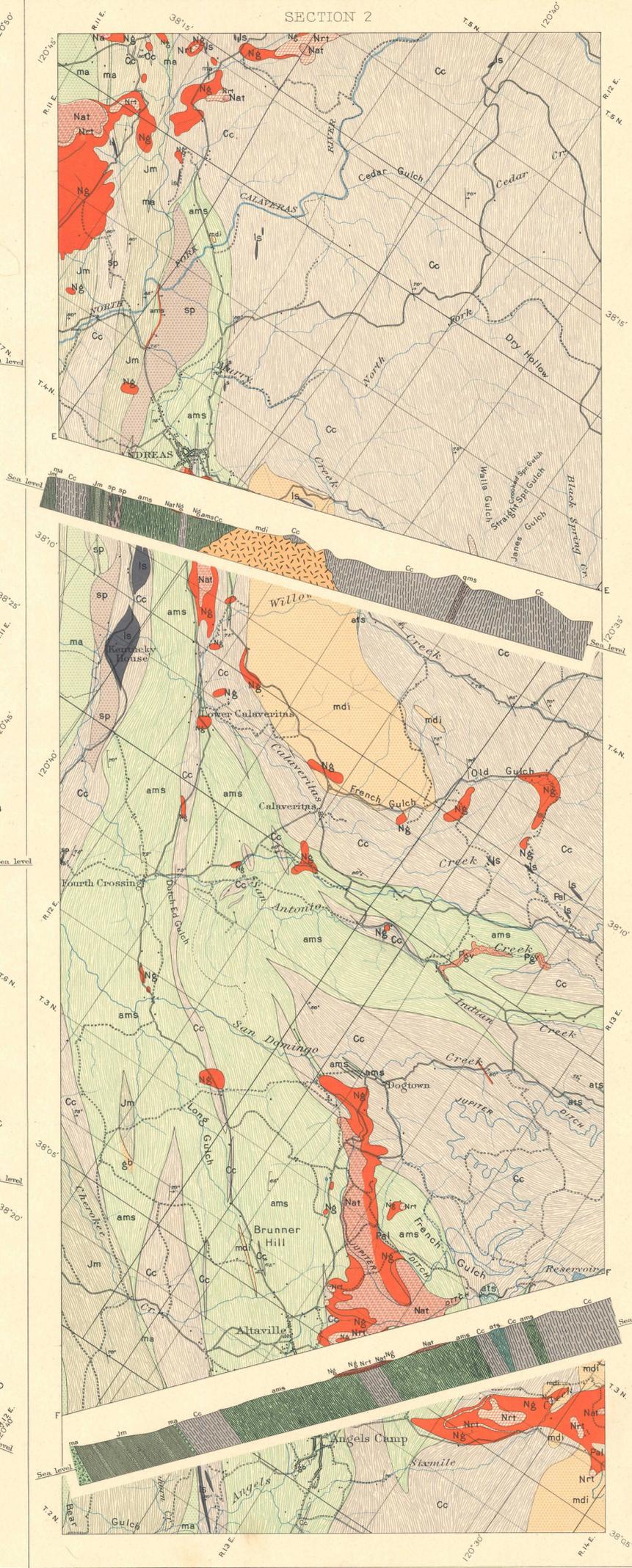
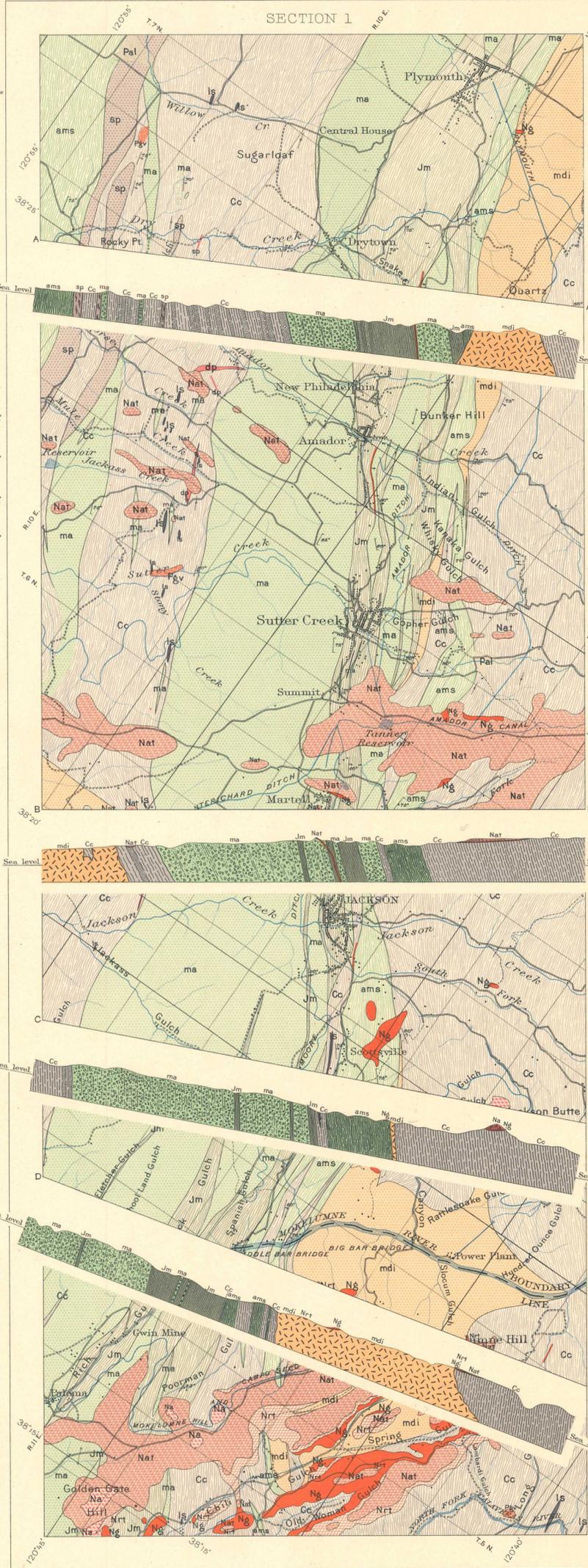
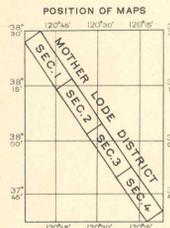


LEGEND  
(continued)

- Dip and strike of bedded rocks
- Vertical dip and strike of stratified rocks
- Dip and strike of schistosity or cleavage
- Vertical dip and strike of schistosity or cleavage
- Quartz veins outcropping prominently on the surface

Known productive formations

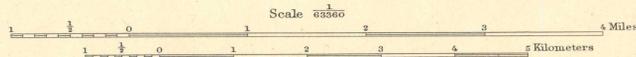
- Auriferous river gravels
- Limestone (suitable for making lime)



LEGEND

- SURFICIAL ROCKS**
- SUPERJACENT SERIES**
- PLEISTOCENE**
  - Alluvium (bordering streams and filling small valleys)
  - River gravels (usually auriferous)
- NEOCENE**
  - Auriferous river gravels
- JURATRIAS**
- BED-ROCK COMPLEX**
- JURATRIAS**
  - Mariposa formation (clay slate, sandstone, and conglomerate)
- CARBONIFEROUS**
  - Calaveras formation (slaty mica schists, chiefly white, quartz, conglomerate, clay slate, chert, and limestone)
  - Limestone (lenses and irregular masses within the Calaveras formation)
- IGNEOUS ROCKS**
- SUPERJACENT SERIES**
- NEOCENE**
  - Andesite (thick lava flows)
  - Andesite tuff breccia and conglomerate (roughly stratified)
  - Rhyolite tuff (sometimes interstratified with gravel)
- JURATRIAS OR EARLY CRETACEOUS**
  - Small dikes of various rocks (represented by diorite, porphyry, dyke, diorite, diquartzite, and altered rocks)
  - Meta-diorite (altered diorite, largely quartz-diorite)
  - Gabbro (intrusion masses and dikes usually associated with serpentine)
- BED-ROCK COMPLEX**
- JURATRIAS OR JURATRIAS**
  - Serpentine (derived from peridotite and related basic intrusive rocks)
  - Meta-andesite (altered andesitic breccias, tuffs, and massive lavas with some altered basalt and diabase)
- CARBONIFEROUS OR JURATRIAS**
  - Amphibolite-schist (derived from andesitic tuff and breccia, diorite, and other igneous rocks)
  - Amphibolite-talc-schist
  - Quartz-muscovite-schist

R.U. Goode, Geographer in charge.  
Topography by A.B. Searle.  
Surveyed in 1897.



Edition of May 1900.

George F. Becker, Geologist in charge.  
Geology by F.L. Ransome.  
Surveyed in 1898.

Legend is continued on the left margin.