

LEGEND

SEDIMENTARY ROCKS

(Areas of Sedimentary rocks are shown by patterns of parallel lines.)

**Cbv**

Briceville shale  
(dark gray argillaceous shale with sandy beds and thick coal beds)

**Cle**

Lee conglomerate  
(massive sandstone and conglomerate with thin coal seams)

**Cpn**

Pennington shale  
(colored shales, sandstone, and limestone)

**Cn**

Newman limestone  
(massive blue limestone, cherty near the base)

**Dg**

Grainger shale  
(grayish sandstone and sandy shale)

**Dc**

Chattanooga shale  
(carbonaceous black shale)

**Sr**

Rockwood formation  
(reddish coloraceous shale with shaly sandstone and iron beds near the top)

**Scl**

Clinch sandstone  
(massive white sandstone)

**Sb**

Bays formation  
(red argillaceous sandstone and red, sandy argillaceous limestone)

**Ssv**

Sevier shale  
(light-colored sandy shale, coloraceous shale, and thin layers of marble with local beds of marble near the base)

**Smc**

Moccasin limestone  
(red, green, and blue argillaceous sandstone and limestone)

**St**

Tellico sandstone  
(dark gray coloraceous argillaceous sandstone and shale)

**Sc**

Chickamauga limestone  
(blue and gray shaly limestone and massive limestone with marble beds)

**Shl**

Holston marble in Chickamauga limestone  
(variegated marble lenses, chiefly reddish or gray)

**CSk**

Knox dolomite  
(light and dark magnesian limestone with cherty nodules)

**Cn**

Nolichucky shale  
(variegated coloraceous shales and thin limestone)

**Cm**

Maryville limestone  
(massive blue limestone)

**Cc**

Conasauga shale  
(reddish coloraceous shale with thin beds of limestone)

**Crg**

Rogersville shale  
(greenish clay shale with limestone layers)

**Crt**

Rutledge limestone  
(massive dark-blue limestone)

**Cr**

Rome formation  
(red, green, and brown sandy shale)

**Crs**

Sandstone lentils in Rome formation  
(red, white, and brown sandstone)

Faults

Sections

Legend is continued on the left margin.

CARBONIFEROUS

DEVONIAN

SILURIAN

CAMBRIAN

LEGEND (continued)

\* Mines and quarries  
x Prospects

Known productive formations

**Shl**

Marble  
(Holston marble, chiefly red or gray in the Chickamauga limestone)

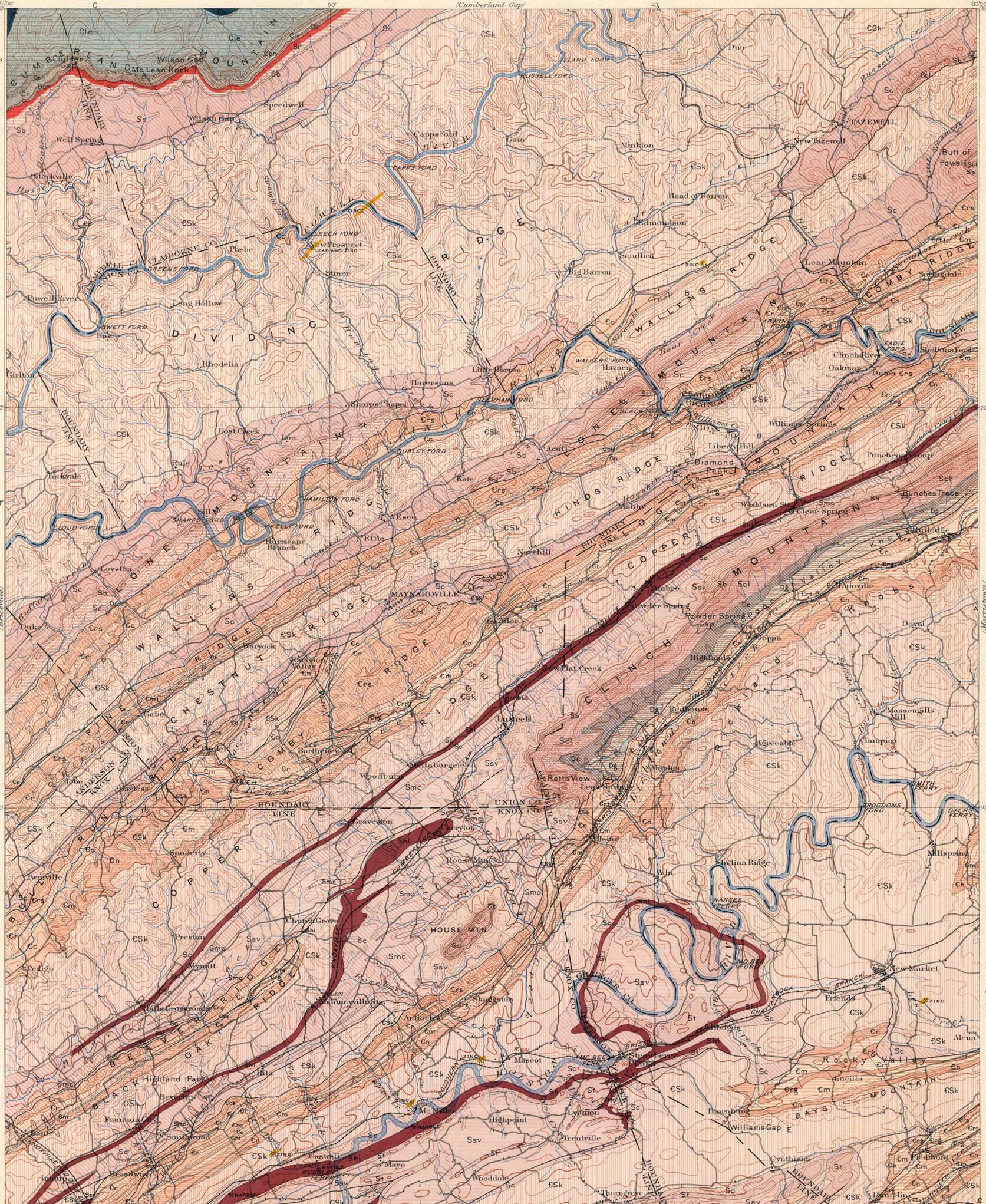
**Lead and zinc**

**Cbv**

Coal  
(Briceville shale contains thick coal beds in adjoining areas)

**Iron**

(Rockwood formation contains beds of hematite iron ore in the upper portion)

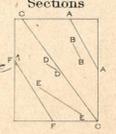


Henry Gannett, Chief Topographer.  
H. M. Wilson, Chief Geographer in charge.  
Triangulation by S. S. Gannett.  
Topography by C. G. Van Hook and J. H. Wheat.  
Surveyed in 1892-98.



Scale 1:25,000  
Miles  
Kilometers  
Contour interval 100 feet.  
Datum is mean sea level.  
Edition of May 1901.

Geology by Arthur Keith.  
Assisted by Marius R. Campbell.  
Surveyed in 1889 and 1893.



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