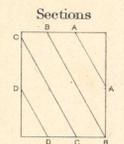


LEGEND

SEDIMENTARY ROCKS

- Cambrian**
- Cht**  
Hampton shale  
(sandy shale)
  - Cu**  
Unicoi sandstone  
(quartzites or thin-bedded quartzite conglomerate)

Faults



- ⚡ Coal mines
- ✕ Zinc prospect

Known productive formations

- Cws-Cg**  
Coal  
(Wise formation and Gladeville sandstone overlying coal seams in Norton formation)
- Cnr**  
Coal  
(Norton formation contains many seams of workable coal)
- Cle**  
Coal  
(Lee formation contains thin coal seams)

LEGEND

SEDIMENTARY ROCKS

(Areas of sedimentary rocks are shown by patterns of parallel lines)

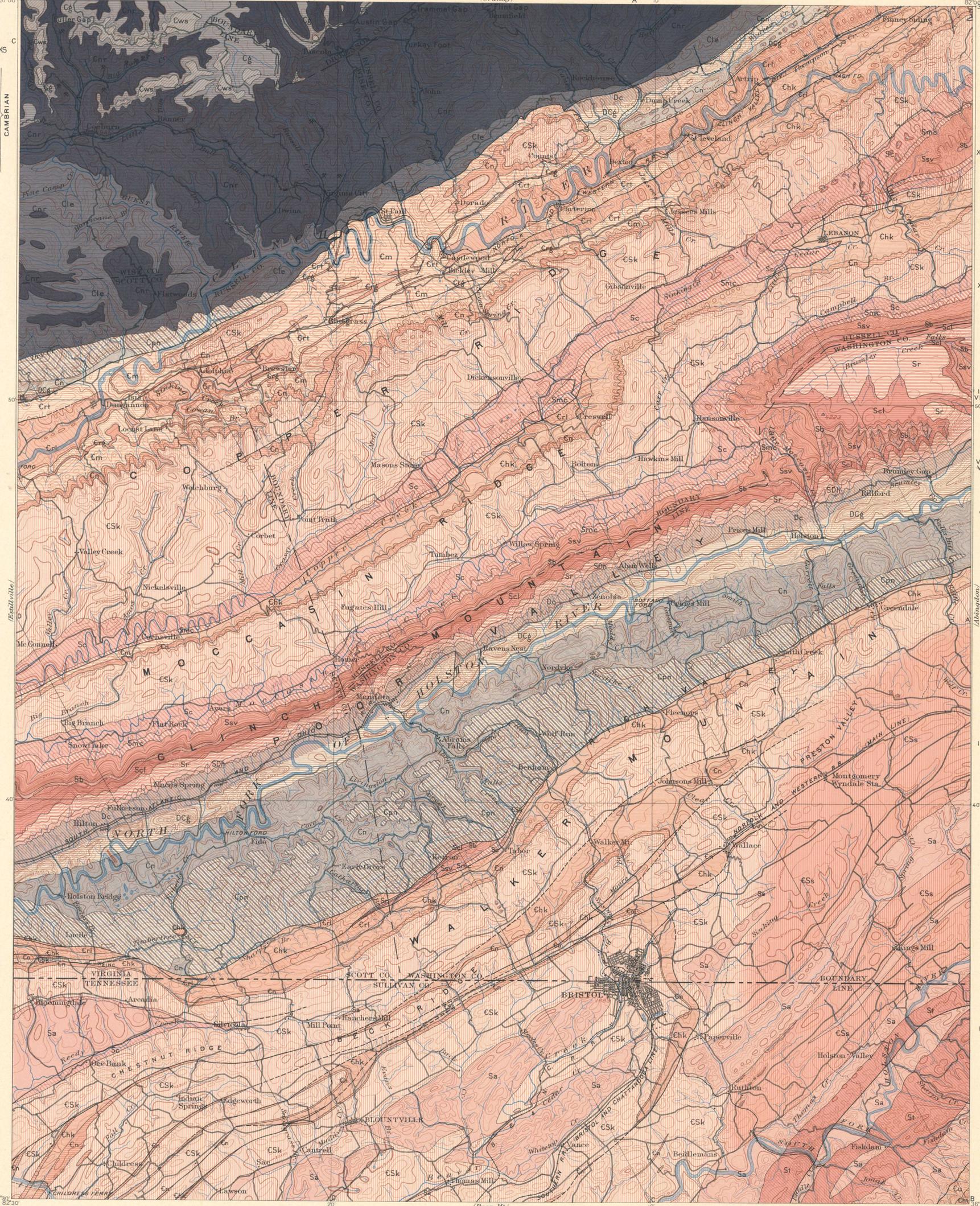
- Cws**  
Wise formation  
(sandy shale and sandstone)
- Cg**  
Gladeville sandstone  
(coarse white sandstone, sometimes conglomerate)
- Cnr**  
Norton formation  
(sandstone and shale, contains many seams of workable coal)
- Cle**  
Lee formation  
(sandstone, conglomerate, and shale, contains thin seams of coal)
- Cpn**  
Remington shale  
(red and green shale with occasional beds of sandstone and impure limestone)
- Cn**  
Newman limestone  
(blue crystalline limestone and calcareous shale)
- DCg**  
Cranger formation  
(shale, sandstone, and conglomerate)
- Dc**  
Chattanooga shale  
(black carbonaceous shale)
- SDh**  
Hancock limestone  
(blue cherty limestone)
- Sr**  
Rockwood formation  
(sandy shale and ferruginous sandstone)
- ScL**  
Clinch sandstone  
(coarse white sandstone)
- Sb**  
Rays sandstone  
(red sandstone and sandy shale)
- Ssv**  
Sevier shale  
(calcareous and sandy shale with thin beds of impure limestone)
- Smc**  
Moccasin limestone  
(red argillaceous limestone)
- St**  
Tullahoma sandstone  
(sandstone and sandy shale)
- Sa**  
Athens shale  
(sandy shale and thin sandstone with occasional beds of limestone and limestone conglomerate)
- Sc**  
Chickamauga limestone  
(blue fossiliferous limestone)
- CSk**  
Knox dolomite  
(cherty, gray or white magnesian limestone)
- Cn**  
Nolichucky shale  
(blue, calcareous and sandy shale)
- CSs**  
Shenandoah limestone  
(gray and blue limestone)
- Cm**  
Maryville limestone  
(generally blue limestone)
- Chk**  
Honaker limestone  
(blue and gray limestone)
- CrG**  
Rogersville shale  
(blue calcareous shale)
- Crt**  
Rutledge limestone  
(dark impure limestone)
- CrI**  
Russell formation  
(red and green shale, sandstone, and ferruginous limestone)

CARBONIFEROUS

DEVONIAN

SILURIAN

CAMBRIAN



Henry Gannett, Chief Topographer.  
H.M. Wilson, Chief Geographer in charge.  
Triangulation by W.C. Kerr and S.S. Gannett.  
Topography by D.C. Harrison and Gilbert Thompson.  
Surveyed in 1887-88 and 1894-95.



Scale 125000  
Contour interval 100 feet.  
Datum is mean sea level.  
Edition of Sept. 1899.

Geology by Marius R. Campbell.  
Assisted by Walter C. Mendhall.  
Surveyed in 1891, 93, 94, 95, and 98.

Legend is continued on the left margin.