

LEGEND

SEDIMENTARY ROCKS

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

Briceville shale

(dark gray, argillaceous shale with sandstone beds and coal seams)

Lee conglomerate

(massive white sandstone and conglomerate)

Pennington shale

(sand and calcareous shales interbedded)

Newman limestone

(massive blue limestone cherty at the base)

Granger shale

(bluish gray sandy shale and sandstone)

Chatanooga shale

(black, calcareous and carbonaceous shale)

Rockwood formation

(reddish calcareous shale with white sandstone and iron beds near the top)

Clinch sandstone

(massive, white sandstone)

Boys sandstone

(red sandstone and sandy limestone)

Sevier sandstone

(fossils of gray, calcareous sandstone in Sevier shale)

Sevier shale

(bluish calcareous shale)

Tellio sandstone

(bluish gray sandstone and sandy shale)

Athens shale

(blue calcareous shale with black carbonaceous shale at the base)

Holston marble

(fossils of variegated marble in Chickamauga limestone)

Chickamauga limestone

(massive blue limestone and gray, shaly limestone)

Knox dolomite

(light and dark, massive gray limestone with chert nodules)

Nolichucky shale

(brown calcareous shale with thin limestone beds)

Maryville limestone

(massive dark blue limestone)

Rogersville shale

(green clay shale with a bed of limestone)

Rutledge limestone

(massive dark blue limestone)

Comasanga shale

(reddish calcareous shale with thin beds of limestone)

Rome formation

(reddish green, sandy shale)

Rome sandstone

(fossils of reddish sandstone in Rome formation)

Apison shale

(red, green, and brown, sandy shale)

CARBONIFEROUS

DEVONIAN

SILURIAN

CAMBRIAN

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

AREAL GEOLOGY

TENNESSEE LOUDON SHEET

LEGEND (continued)

Ch

Hesse sandstone
(fine, massive, white sandstone)

Cmr

Murray shale
(blue-gray, sandy shale)

Cnb

Nobo sandstone
(fine and coarse, massive white sandstone)

Cnc

Nichols shale
(bluish gray, sandy shale)

Cch

Cochran conglomerate
(massive white sandstone and coarse pebbles of conglomerate)

Cs

Sandsuck shale
(bluish gray, argillaceous shale)

pg

Pigeon slate
(gray argillaceous slate with sandy layers)

C

Citico conglomerate
(fine, white sandstone and coarse pebbles of conglomerate)

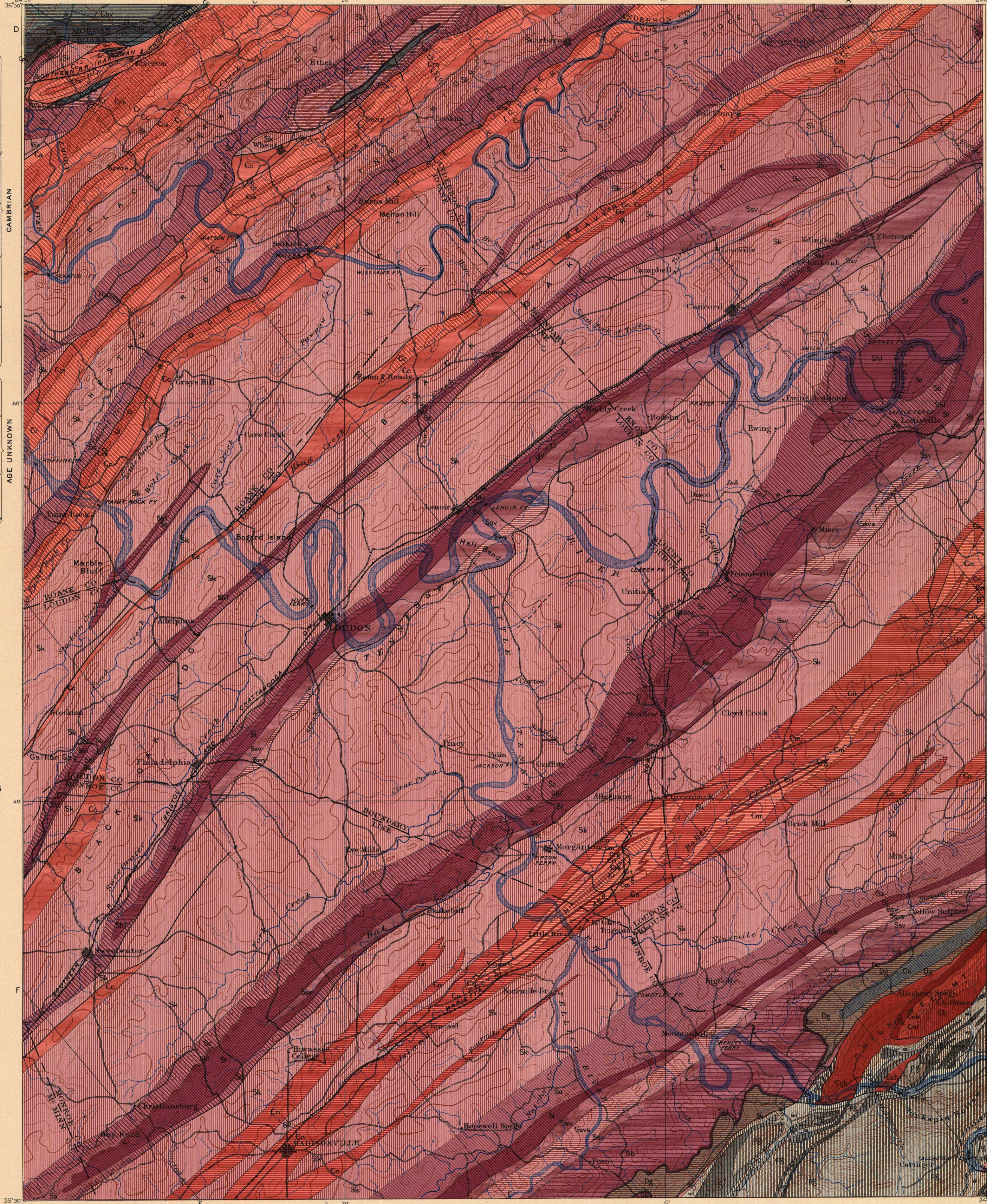
W

Willite slate
(limestone conglomerate and black slate)

SPECIAL SYMBOLS

Faults

Sections



Henry Gannett, Chief Topographer.
Gilbert Thompson, Chief Geographer.
Triangulation by S.S. Gannett.
Topography by F.M. Pearson, 1884-5.
C.E. Cooke, 1891.

Scale 1:25,000
Miles
Kilometers
Contour Interval 100 feet
Datum is mean sea level
Edition of Oct. 1895.

G.K. Gilbert, Chief Geologist.
Bailey Willis, Geologist in charge.
Geology by Arthur Keith.
Assisted by R.E. Edes.
Surveyed in 1889-90.