

STRUCTURE-SECTION SHEET

VIRGINIA-TENNESSEE
BRISTOL QUADRANGLE

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

LEGEND

SEDIMENTARY ROCKS

SHEET SECTION SYMBOL SYMBOL

Cws Cws

Wise formation (sandy shale and sandstone)

Cg Cg

Gladeville sandstone (coarse white sandstone, sometimes conglomeratic)

Cnr Cnr

Norton formation (sandstone and shale, contains many seams of workable coal)

Cle Cle

Lee formation (sandstone, conglomerate, and shale, contains thin seams of coal)

Cpn Cpn

Pennington shale (red and green shale with occasional beds of sandstone and impure limestone)

Cn Cn

Newman limestone (blue crystalline limestone and calcareous shale)

DCg DCg

Cranger formation (shale, sandstone, and conglomerate)

Dc Dc

Chattanooga shale (black carbonaceous shale)

SDh SDh

Hancock limestone (blue cherty limestone)

Sr Sr

Rockwood formation (sandy shale and ferruginous sandstone)

ScL ScL

Chinch sandstone (coarse white sandstone)

Sb Sb

Bays sandstone (red sandstone and sandy shale)

Ssv Ssv

Sevier shale (calcareous and sandy shale with thin beds of impure limestone)

Smc Smc

Moccasin limestone (red argillaceous limestone)

St St

Tellco sandstone (sandstone and sandy shale)

Sa Sa

Athens shale (sandy shale and thin sandstone with occasional beds of limestone and limestone conglomerate)

Sc Sc

Chickamauga limestone (blue crystalline limestone)

CSk CSk

Knox dolomite (cherty gray or white crystalline limestone)

Cn Cn

Nolichucky shale (blue calcareous and sandy shale)

CSs CSs

Shenandoah limestone (gray and blue limestone)

Em Em

Maryville limestone (generally blue limestone)

CRg CRg

Rogersville shale (blue calcareous shale)

Crt Crt

Homaker limestone (blue and gray limestone)

Crl Crl

Rutledge limestone (dark impure limestone)

Crl Crl

Russell formation (red and green shale, sandstone, and ferruginous limestone)

Legend is continued on the left margin.

LEGEND

SEDIMENTARY ROCKS (continued)

SHEET SECTION SYMBOL SYMBOL

Cht Cht

Hampton shale (sandy shale)

Cu Cu

Unicoi sandstone (quartzite or fine black feldspathic conglomerate)

Faults

Known productive formations

Cws-Cg

Coal (Wise formation and Gladeville sandstone carry coal seams in Norton formation)

Cnr

Coal (Norton formation contains many seams of workable coal)

Cle

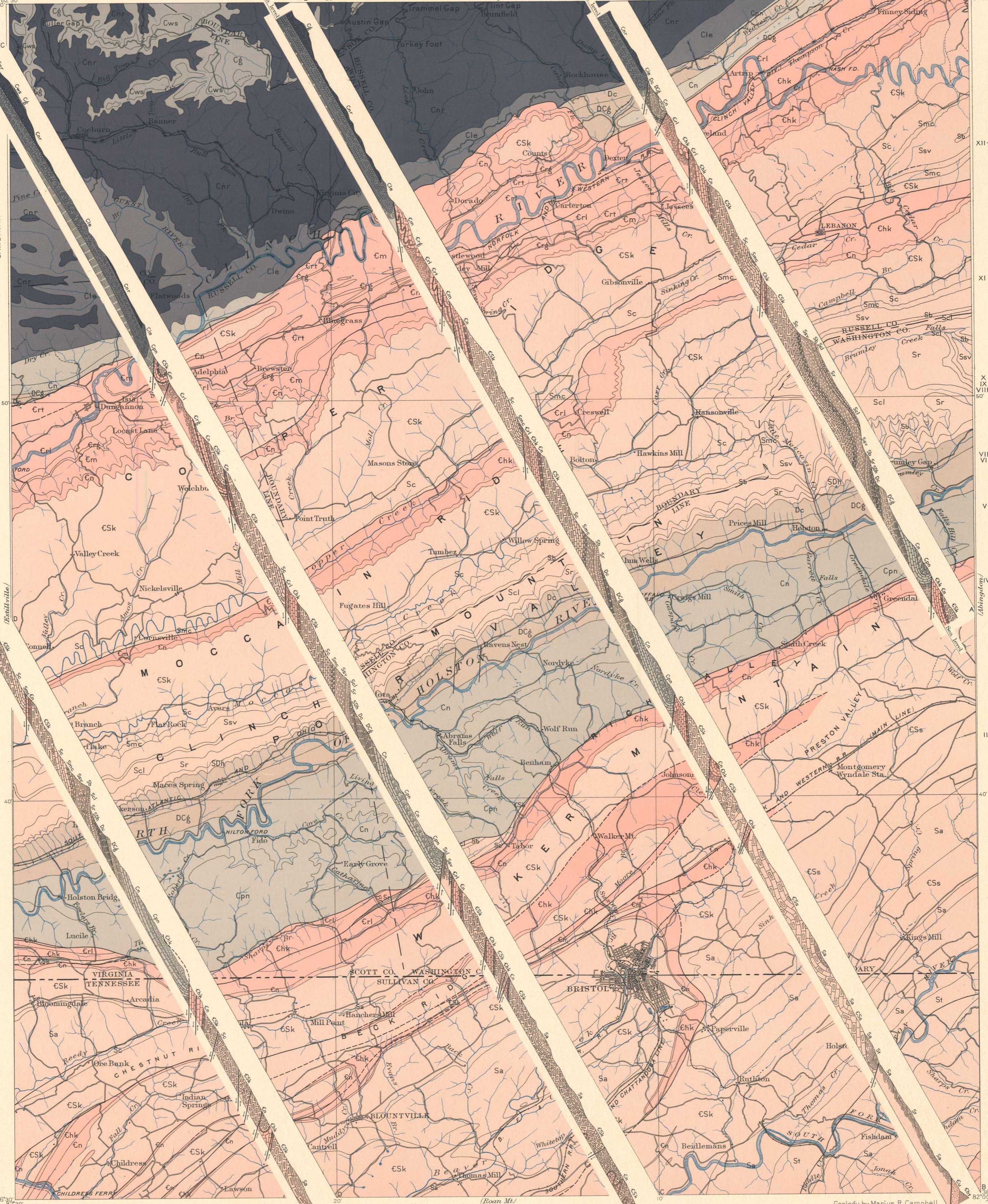
Coal (Lee formation contains thin coal seams)

CARBONIFEROUS

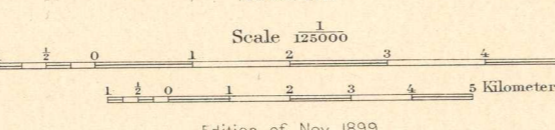
DEVONIAN

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.
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Geology by Marius R. Campbell.
Assisted by Walter C. Mendenhall.
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