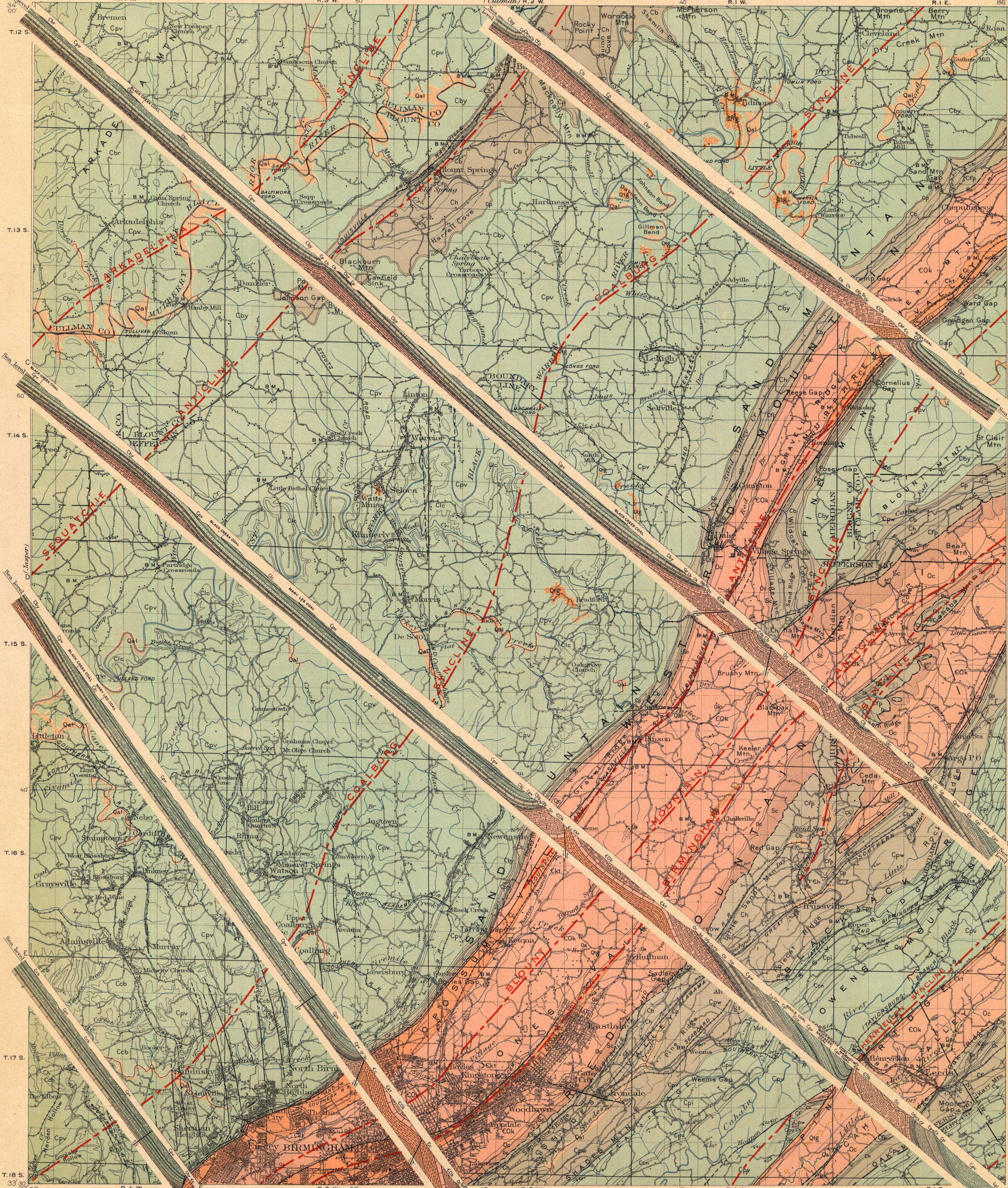


STRUCTURE SECTIONS

ALABAMA
BIRMINGHAM QUADRANGLE
R. 1 E.



LEGEND

SEDIMENTARY ROCKS

SHEET SYMBOL SECTION SYMBOL

Qal

Alluvium
(flood plain deposits of present streams)

Qig

Terrace gravels
(gravel and sand of old terraces or hills 100 to 300 feet above present streams)

Cpv

Pottsville formation
(sandstone, shale, and coal beds and Shales Co. Bould. Clay, Fine Gr. Chert, Cn. Bould. Chert, and Hazburg Gr. sandstone)

UNCONFORMITY

Cpw

Parkwood formation
(gray shale and sandstone)

Cp

Pennington shale
(gray green, red, and black shale, some sandstone, conglomerate, and chert)

Cf

Floyd shale
(black carbonaceous shale, greenish and gray shale, and thin bedded sandstone member, chert)

Cb

Bangor limestone
(thick bedded gray crystalline limestone with Martine sandstone member, chert, and a little shale and chert)

Cfp

Fort Payne chert
(chert and limestone)

UNCONFORMITY

De

Chattanooga shale and Frog Mountain sandstone
(black shale and sandstone below, too thin to separate on map)

UNCONFORMITY

Sc

Clinton (Rockwood) formation
(shale and sandstone with beds of iron ore)

UNCONFORMITY

Oc

Chickamauga (Pelham) limestone
(thick to thin bedded, dove and blue crystalline limestone, striae conglomerate member, chert, chert pebbles, locally)

UNCONFORMITY

Eok

Knox dolomite
(heavy bedded cherty dolomite with chert-free Kelson dolomite member, chert at base)

UNCONFORMITY

Ec

Conasauga (Coosa) limestone
(thin bedded blue limestone with shale and some chert)

Er

Rome (Montevallo) formation
(variegated shale with some limestone and sandstone)

FAULTS

Strikes and dip of stratified rocks

Strikes of vertical beds

Axes of anticlines and synclines

H.M. Wilson, Geographer
H.B. Blair, in charge of section.
Topography by H.B. Blair, Oscar Jones, and C.D.S. Clarkson.
Assistants, R.L. Harrison and Carroll Caldwell.
Control by Coast and Geodetic Survey, Oscar Jones, and C.B. Kendall.
Surveyed in 1904-1905.

Scale 125,000
1 1/2 0 1 2 3 4 5 Miles
1 1/2 0 1 2 3 4 5 Kilometers

DIAGRAM OF TOWNSHIP
6 5 4 3 2 1
7 8 9 10 11 12
13 14 15 16 17 18
19 20 21 22 23 24
25 26 27 28 29 30
31 32 33 34 35 36

Geology by Charles Butts,
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Surveyed in 1905-6.

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