

EXPLANATION

SEDIMENTARY ROCKS

(Subaqueous deposits are shown by patterns of parallel lines; subaerial deposits by patterns of dots and circles)

Qal Alluvium

(flood-plain deposits of present streams)

Kt Tuscaloosa formation

(varicolored sand, clay, and gravel)

UNCONFORMITY

Cpv Pottsville formation

(sandstone, conglomerate, shale, and coal beds; sandstone members - Shades, C., Pine, C.D., Chert, Wolf Ridge, Cur, and Straight Ridge; C.S.; Strawn conglomerate member, C.S.)

UNCONFORMITY

Cpw Parkwood formation

(gray shale and sandstone)

UNCONFORMITY

Cf Floyd shale

(black or gray shale, some gray granitic, with irregular nodular chert and much fine-grained gray and green sandstone)

UNCONFORMITY

Cfp Fort Payne chert

(chert and limestone)

UNCONFORMITY

DCc Chattanooga shale and Frog Mountain sandstone

(Chattanooga shale, black shale of Upper Devonian or Mississippian age, somewhat formable on Frog Mountain sandstone, soft gray sandstone of Onondaga (Middle Devonian) age)

UNCONFORMITY

Olc Little Oak limestone

(thick-bedded argillaceous cherty limestone, with irregular nodular chert layers; weathers to earthy network; late Chazy age)

UNCONFORMITY

Oa Athens shale

(dark to black calcareous shale with thin limestone layers; late Chazy age)

UNCONFORMITY

Oll Lenoir limestone

(dark-gray crystalline limestone with a little chert locally; Chazy age; conglomeratic locally at bottom; in Cahaba Valley only, where underlying Mississippian limestone is possibly also present)

UNCONFORMITY

On Odenville and Newala limestones

(thick-bedded gray limestone and some dolomite; very pure in upper part; Beekmantown age; absent in Birmingham Valley; Newala named for lines)

UNCONFORMITY

Olv Longview limestone

(cherty limestone and dolomite; some layers with fairly abundant quartz grains; Beekmantown fauna)

UNCONFORMITY

EOc Chepultepec dolomite

(dolomite with mealy, cavernous, fossiliferous chert)

UNCONFORMITY

EOcb Copper Ridge dolomite

(gray crystalline dolomite with much very dense, tough, crystalline chert; base, pure limestone may represent pre-Copper Ridge rocks in Tennessee)

UNCONFORMITY

EOk Bibb dolomite

(thick-bedded blue fine-grained highly siliceous dolomite, weathering to cavernous boulders)

UNCONFORMITY

EOkb Ketona dolomite

(thick-bedded light-gray coarse-grained dolomite of great purity; extensively used for flux)

UNCONFORMITY

EOcbf Brierfield dolomite

(thick-bedded siliceous dolomite)

UNCONFORMITY

Cc Conasauga ("Coosa") limestone

(medium thick-bedded dark fine-grained limestone, some dolomite, and yellowish-green shale)

UNCONFORMITY

Cf Rome ("Montevallo") formation

(purple, red, greenish, and grayish shale, calcareous gray sandstone, and a little limestone)

RELATION UNDETERMINED

WC Wash Creek slate

(sericitic slate, weathering green and gray, and black slate; conglomeratic in upper part; contains quartz veins, probably gold bearing; ferruginous sandstone member, WCS, in lower part)

UNCONFORMITY

bw Brewer phyllite

(purplish gray sericitic schist with silky luster and some green schist)

UNCONFORMITY

WX Waxahatchee slate

(bluish sericitic slate, weathering pink, yellowish, and gray)

UNCONFORMITY

Known fault

Probable fault

Concealed fault

(covered by younger deposits)

T Overthrust side of thrust fault

S Strike and dip of stratified rocks

V Strike of vertical beds

H Horizontal beds

Axis of anticline

Axis of syncline

\* Oskanian of E. O. Ulrich

Equivalent to lower part of Tuscaloosa of Alabama reports

Geology by Charles Butts

Surveyed in 1908-1910.

Scale 62500

Contour interval 50 feet.

Datum is mean sea level.

Edition of October 1940

LIST OF ACTIVE MINES IN 1930

1. Boulton, No. 1, 6. Peerless

2. Boulton, No. 2, 7. Deposed, No. 1

3. Boulton, No. 3, 8. Deposed, No. 2

4. Seard

5. Strawn

6. Polcat

7. Maylene

8. Montreat

9. Yasho

10. Helms

11. Thompson

12. Chatham

13. Clark (Little Pittsburgh)

14. Nunnally, Middle

15. Nunnally, Lower

16. Gould

17. Youngblood (Black shale, Cuba)

18. Bank

19. Pump (Alice and Jones)

20. Big Bone (Coke Ovens)

21. Wadsworth

22. Hawkins

23. Nunnally, Upper

24. Nunnally, Middle

25. Nunnally, Lower

26. Gould

COOSA COAL FIELD

n. Nivens

CAHABA COAL FIELD

y. Youngblood (Black shale, Cuba)

b. Bank

p. Pump (Alice and Jones)

o. Big Bone (Coke Ovens)

w. Wadsworth

h. Hawkins

u. Nunnally, Upper

m. Nunnally, Middle

l. Nunnally, Lower

g. Gould

Coal outcrops

(dashed lines indicate uncertainty as to position or thickness of beds)

Coal mines

A. Abandoned

x. Coal prospects and country banks

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