



GENERAL GEOLOGIC MAP OF BIRMINGHAM VALLEY, ALABAMA, SHOWING DISTRIBUTION OF FORMATIONS AND LOCATIONS OF MINES AND PROSPECTS

Topography from the U. S. Geological Survey atlas sheets

POST-CARBONIFEROUS	Pennsylvanian		CARBONIFEROUS		MISSISSIPPIAN	SILURIAN	ORDOVICIAN	CAMBRO-ORDOVICIAN	CAMBRIAN	Mines and Prospects		Structural Features							
Quaternary, Tertiary, Cretaceous	POTTSVILLE GROUP		CONTEMPORANEOUS							Red-ore mine	Red-ore prospect	Brown-ore mine	Blast furnace	Open-hearth steel plant	Fault	Axis of syncline	Axis of anticline		
fnd Undifferentiated Coastal Plain and later deposits <i>(Clay and loam, sand and gravel. The area covered by these waters is chiefly covered by sand. The gravels toward to Bucksville is partly covered by these deposits.)</i>	Cp Coal-bearing shale and sandstone <i>(Coal Measures)</i>	Cps Sandstone, siliceous and pebbly at bottom, fine grained at top <i>(Middle part)</i> a. Base of coal measures in Waverly field. b. Base of coal measures in Cahaba field.	Cpw Parkwood formation <i>(Shale and sandstone, mainly fossiliferous)</i>	Cpe Pennington shale <i>(Group gray and red shale, coal and sandstone highly fossiliferous)</i>	Cb Baugor limestone and Hartselle sandstone member (Ch) <i>(Mainly limestone with some dark shale and a little chert)</i>	Cf Floyd shale and sandstone member (Ch) <i>(Shale, sandstone, and limestone (equivalent to Baugor and Pennington))</i>	Cfp Fort Payne chert	Sc Clinton (Rockwood) formation <i>(Shale, sandstone, and iron ore)</i>	Oc Chickamauga (Pelham) limestone	COk Knock dolomite (COk) <i>(Dolomite with much chert, including Ketona dolomite member at base (COke))</i> <i>(Dolomite with much chert, little there in Opokan and near the north end of the Valley from Birmingham northward. Also north and east of Opokan. Probably lower than Opokan. Dolomite south of Birmingham and in the southern end of Open Valley as indicated by ruled pattern.)</i>	Cc Conasauga (Coosa) limestone <i>(Shale and limestone)</i>	⊙ Red-ore mine <i>(Number shows location of corresponding iron-ore section.)</i>	⊙ Red-ore prospect <i>(Number shows location of corresponding iron-ore section.)</i>	⊙ Brown-ore mine	○ Blast furnace	★ Open-hearth steel plant	— Fault	+ Axis of syncline	↑ Axis of anticline

Scale 1:25000
 Contour interval 50 feet.
 Datum is mean sea level.

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 Surveyed in 1904, 1905, 1906, and 1909