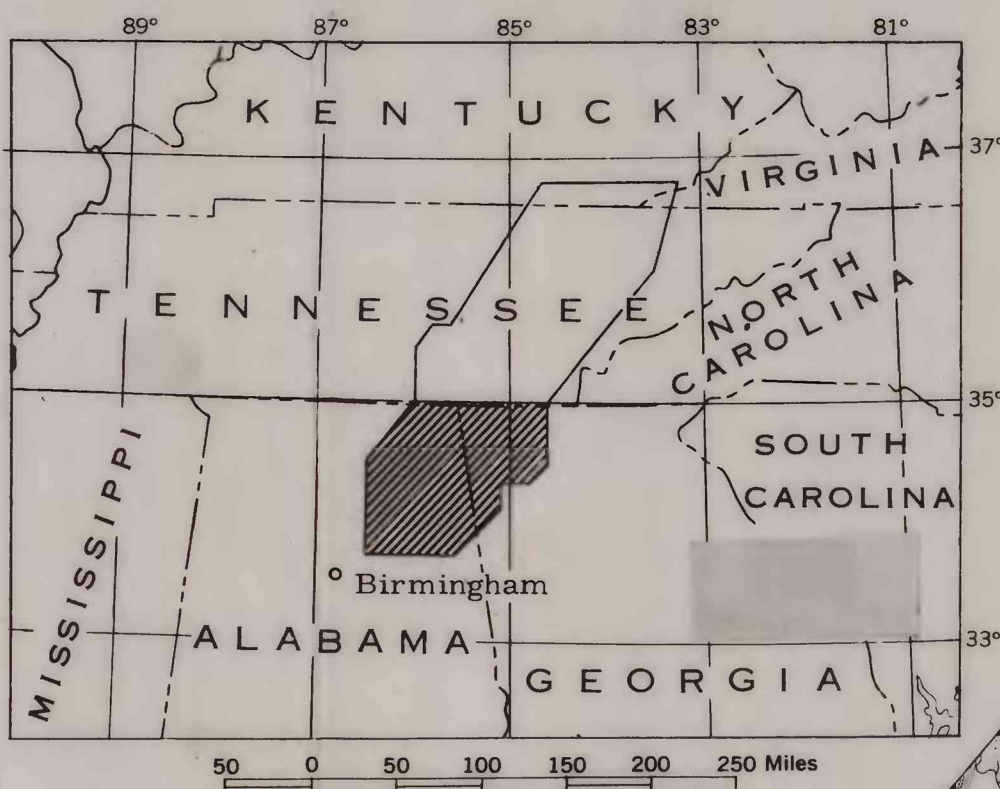


CHEMICAL ANALYSES

A				
1	Soft ore	Fe	56.75	
		SiO ₂	2.20	
		Al ₂ O ₃	0.07	
		CaCO ₃	0.50	
		P	0.392	
B				
1	Soft ore	Fe	51.13	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.392	
2				
1	Soft ore	Fe	51.13	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.392	
3				
1	Soft ore	Fe	56.48	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.392	
4				
1	Soft ore	Fe	57.40	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.392	
5				
1	Soft ore	Fe	57.40	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.392	
6				
1	Soft ore	Fe	53.93	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.423	
C				
1	Soft ore	Fe	55.56	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
2				
1	Soft ore	Fe	49.14	54.77
		SiO ₂	1.14	1.14
		Al ₂ O ₃	0.32	0.32
		CaCO ₃	0.42	0.42
		P	0.411	0.411
3				
1	Soft ore	Fe	49.14	54.77
		SiO ₂	1.14	1.14
		Al ₂ O ₃	0.32	0.32
		CaCO ₃	0.42	0.42
		P	0.411	0.411
4				
1	Soft ore	Fe	53.6	55.7
		SiO ₂	1.14	1.14
		Al ₂ O ₃	0.32	0.32
		CaCO ₃	0.42	0.42
		P	0.411	0.411
5				
1	Soft ore	Fe	53.6	55.7
		SiO ₂	1.14	1.14
		Al ₂ O ₃	0.32	0.32
		CaCO ₃	0.42	0.42
		P	0.411	0.411
6				
1	Soft ore	Fe	53.6	55.7
		SiO ₂	1.14	1.14
		Al ₂ O ₃	0.32	0.32
		CaCO ₃	0.42	0.42
		P	0.411	0.411
7				
1	Soft ore	Fe	53.6	55.7
		SiO ₂	1.14	1.14
		Al ₂ O ₃	0.32	0.32
		CaCO ₃	0.42	0.42
		P	0.411	0.411
8				
1	Soft ore	Fe	53.6	55.7
		SiO ₂	1.14	1.14
		Al ₂ O ₃	0.32	0.32
		CaCO ₃	0.42	0.42
		P	0.411	0.411
D				
1	Soft ore	Fe	53.55	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
2				
1	Soft ore	Fe	53.55	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
3				
1	Soft ore	Fe	53.55	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
4				
1	Soft ore	Fe	53.55	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
5				
1	Soft ore	Fe	53.55	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
6				
1	Soft ore	Fe	53.55	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
7				
1	Soft ore	Fe	53.55	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
8				
1	Soft ore	Fe	53.55	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
E				
1	Soft ore	Fe	54.01	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
2				
1	Soft ore	Fe	54.01	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
3				
1	Soft ore	Fe	54.01	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
4				
1	Soft ore	Fe	54.01	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
F				
1	Soft ore	Fe	56.66	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
2				
1	Soft ore	Fe	56.66	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
3				
1	Soft ore	Fe	56.66	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
4				
1	Soft ore	Fe	56.66	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
G				
1	Soft ore	Fe	54.72	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
2				
1	Soft ore	Fe	54.72	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
3				
1	Soft ore	Fe	54.72	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
4				
1	Soft ore	Fe	54.72	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
H				
1	Soft ore	Fe	55.02	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
2				
1	Soft ore	Fe	55.02	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
3				
1	Soft ore	Fe	55.02	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
4				
1	Soft ore	Fe	55.02	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
I				
1	Soft ore	Fe	55.02	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
J				
1	Soft ore	Fe	55.02	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
K				
1	Soft ore	Fe	55.02	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
L				
1	Soft ore	Fe	55.02	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	
M				
1	Soft ore	Fe	55.02	
		SiO ₂	1.14	
		Al ₂ O ₃	0.32	
		CaCO ₃	0.42	
		P	0.411	



INDEX MAP



EXPLANATION

Strike and dip of iron ore bed
Strike of vertical iron ore bed
Strike of overturned iron ore bed

Area known or believed to be underlain by Silurian (red) iron ore

Outcrop of Silurian iron ore
Solid line, principal bed has thickness of 18 inches or more;
broken line, principal bed is less than 18 inches thick

Areas mined, usually to the economic limit.
S, mined by open cut; U, mined by underground workings;
SU, mined by open cut and underground workings

Outcrop of ferruginous Silurian rocks believed to be too low in grade or too thin to have economic potential

Thicknesses in inches: first number, thickness of the principal iron ore bed; middle number, total thickness of the iron ore bed or beds; last number, total thickness of iron ore-bearing stratigraphic section, including non-ore beds such as clay, shale, or sandstone

Blanks left where values not known

A

1	Soft ore	Fe	56.75
		SiO ₂	2.20
		Al ₂ O ₃	0.07
		CaCO ₃	0.50
		P	0.392

Chemical analyses: weight percent of principal constituents: Fe, iron; SiO₂, silica; Al₂O₃, alumina; CaCO₃, calcium carbonate; P, phosphorus; Insol., insoluble material

Line of cross section; dashes indicate parts omitted

SILURIAN RED IRON ORES IN GEORGIA AND NORTHEASTERN ALABAMA
By
Jesse W. Whitlow

Scale 1:250,000



CONTOUR INTERVAL 100 FEET
DATUM IS MEAN SEA LEVEL
1959