In addition to the numbered mines located on the map there are several other mines in this band along the north side of Morgan Hill. A few years ago one of these mines was reopened and for a time worked for ochre and the iron ore discarded.

80. This mine is in the northwest side of Elephant Rock Mountain. "Charles Walters' mine; is worked by the Durham Iron Co. The ore is extracted by underground workings, the shaft being 60 feet deep down to the ore."

81. Joy's (Ivy) mine.—"These are mined by underground excavations, and were not being worked when visited."

82. Raub and Lerch's mine.—"But little ore was being mined when this pit was visited, owing to a scarcity of water. Shafts have been sunk through the overlying soil and clay to the ore, which apparently lies irregularly, as in some cases it comes within 15 feet of the surface, while in others it is only struck at a depth of 100 feet. The miners stated there are three beds, the one worked occurring between two lean ones, which it does not pay to extract. The ore occurs in white or gray clay, resulting from the decomposition of damourite slate."

83. Joy's (Ivy) mine.—"Here there are two shafts which were not being worked when visited. The bed was said to be 50 to 75 feet below the surface. The ore occurs in damourite slate and clay, and a number of pieces of the slate laid on the dump."

84. Stout & Riegel's mine.—"This locality was worked for a short time by the Coleraine Iron Co. and then given up. Nothing of the nature of the ore-deposit could be seen, but the proprietors said there was a great deal of ore present.

"The peculiarity of this locality is that magnetic iron ore occurs within a short distance of the brown hematite."

IRON CARBONATE (SIDERITE) ORE

Considerable iron carbonate ore occurs in the lower workings of many of the limonite mines, both in the limestones and the quartzites, and its occurrence and origin have already been discussed. It is well, however, to call attention specifically to the importance of this class of ore in Northampton County, for it has been ignored by many persons who have studied the limonite deposits of the Appalachian region. It has been found in almost every place where mining has been carried on within recent years and exposures are good.