that more ore will be found on descending deeper. At this pit, also, white clay underlies the ore."

"Lump ore, compact, arenaceous, and a dark brown."

This is a small pit partly filled by water from a spring at the base of the mountain. A large dump at the northeast end is covered by trees and brush. Hardyston of the sandstone and arkosic varieties, other siliceous material, and some ore closely associated with the Hardyston sandstone are found here.


"These were only small pits, abandoned and in which nothing could be seen."

Mine 191 is an elongated, narrow very shallow pit almost completely covered by trees and brush. A large dump at the western end shows yellow clayey material with lump ore which the old-timers called "bullfrog" ore; also gneiss, Hardyston sandstone, and other siliceous material. At one time turgite was the chief ore mined here. Mine 193, a very shallow pit covered by grass and brush, has the same characteristics as mine 191.

192. Mine 192 has been completely filled in and nothing is to be seen.

194. Jesse Kline's mine.

"In this pit, now abandoned, the ore and clay can be seen conformable with the underlying Potsdam sandstone, the latter containing Scolithus. There are places where it looks almost as if the sandstone was running into limonite."

"Lump ore. Compact; also cellular and bomb-shell with considerable clay."

This is a large pit surrounded and filled by trees and brush. There is not much to be seen. Yellow clay is exposed in the bank. Gneiss, Hardyston sandstone, jaspery material, and lump ore occur here.

195. Henry Kline's mine.

"Leased by Jobst and — . There are two openings here. At the smaller one, which lies just below the gneiss of South Mountain there was a small nest of black oxide of manganese, 8 inches thick, which has since been worked out. The ore lay directly against the Potsdam sandstone. There is white clay in this pit, which is very gritty and is in part decomposed Potsdam sandstone. The gneiss, under the sandstone, is granitic, very quartzose and contains a little matite or red hematite. In the larger pit the mine had been only re-worked a single day when visited. There was not much ore in sight, the little that was seen, lying in white and yellow clay. At the east end there is Potsdam sandstone in the bottom, apparently in place, with an undeterminable dip. The ore here is very close to the sandstone and must be sought for in depth."

"Lump ore, sandy and shelly with the ore carrying considerable quartz; the color is a dark brown."

This pit is much smaller than mine 194 but is similar to it in all respects.