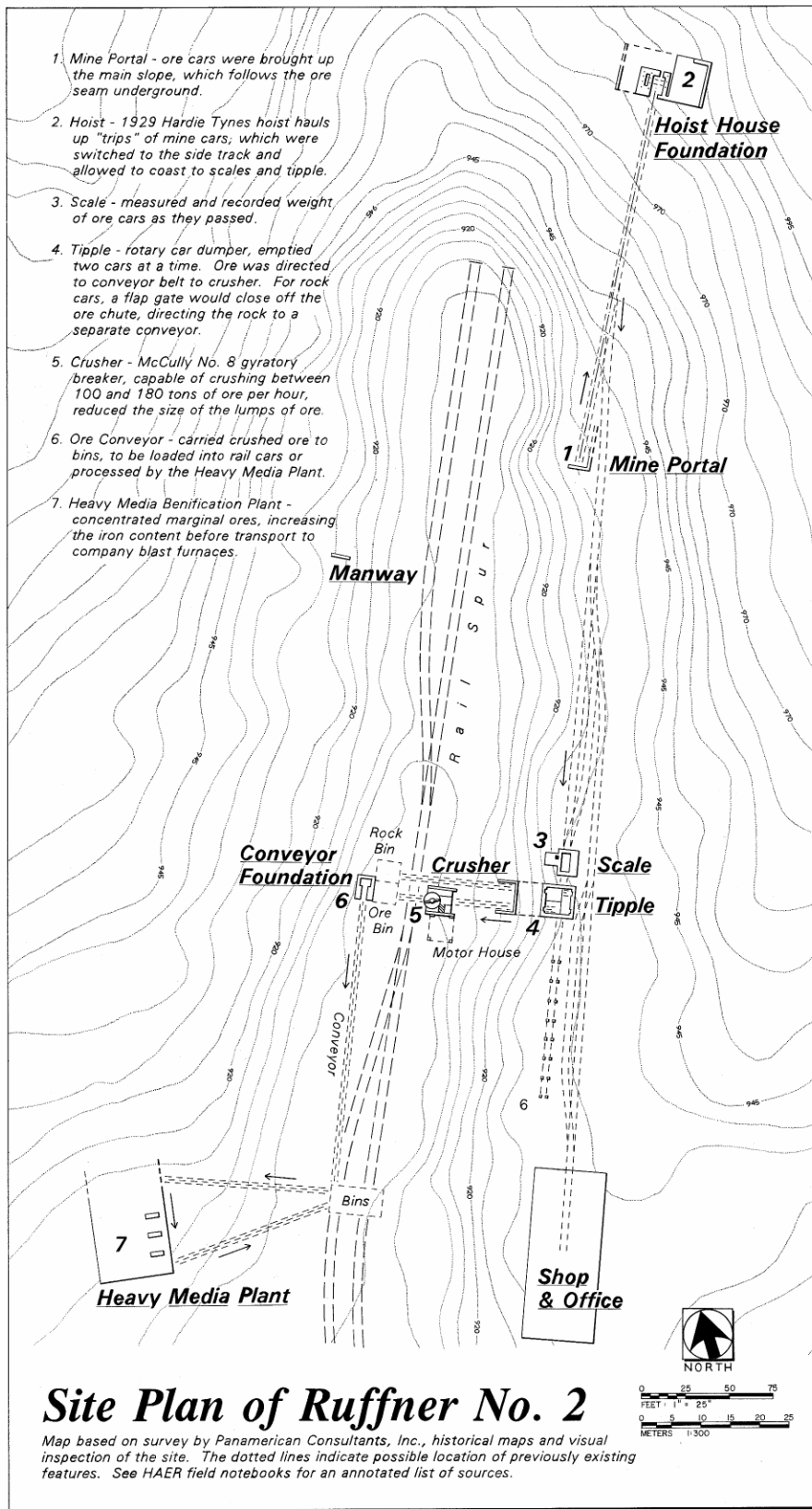


RUFFNER No. 2 MINING OPERATIONS

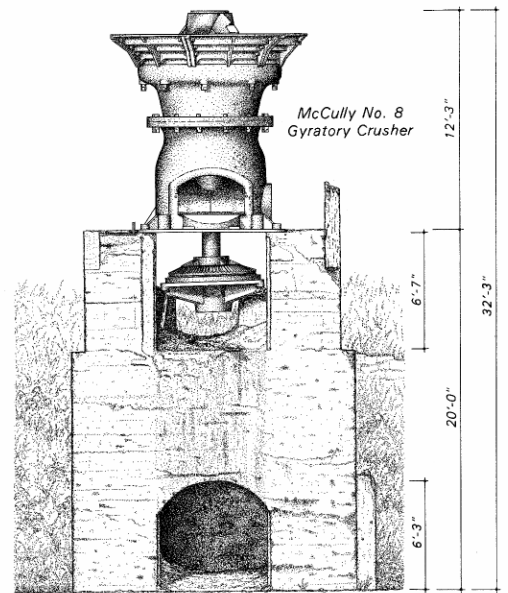
Jefferson County, Alabama c. 1950

1. Mine Portal - ore cars were brought up the main slope, which follows the ore seam underground.
2. Hoist - 1929 Hardie Tynes hoist hauls up "trips" of mine cars, which were switched to the side track and allowed to coast to scales and tippie.
3. Scale - measured and recorded weight of ore cars as they passed.
4. Tippie - rotary car dumper, emptied two cars at a time. Ore was directed to conveyor belt to crusher. For rock cars, a flap gate would close off the ore chute, directing the rock to a separate conveyor.
5. Crusher - McCully No. 8 gyratory breaker, capable of crushing between 100 and 180 tons of ore per hour, reduced the size of the lumps of ore.
6. Ore Conveyor - carried crushed ore to bins, to be loaded into rail cars or processed by the Heavy Media Plant.
7. Heavy Media Benifaction Plant - concentrated marginal ores, increasing the iron content before transport to company blast furnaces.

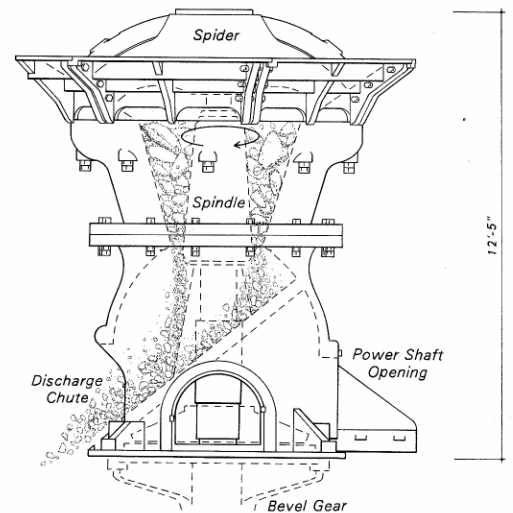
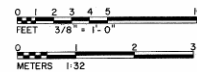


Site Plan of Ruffner No. 2

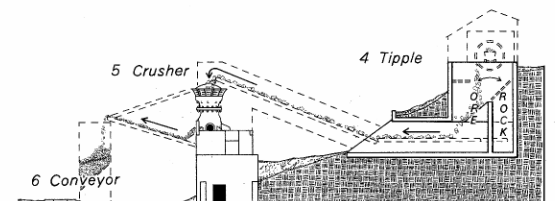
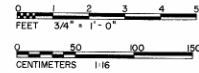
Map based on survey by Panamerican Consultants, Inc., historical maps and visual inspection of the site. The dotted lines indicate possible location of previously existing features. See HAEA field notebooks for an annotated list of sources.



Crusher Elevation



Crusher Detail



Site Section

Not To Scale