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mine file \subseteq *General* *Reprints in book*
NOTE RE CARROW'S BLUE BIRD MINE - 9/30/44

(From talk with Forbach, Carrow & McLennan (assayer)).

Three unpatented claims known as Blue Bird #1, #2 and 3 located one half mile from main highway from Superior at point 2 miles short of Miami. Adjoins some of the Live-Oak Group of Claims of the Inspiration Copper Company.

Now owned by F. E. Carrow, P. O. Box 1433, Globe, phone Globe 187 R who has been trying to deal with Inspiration and Miami Companies but has made no satisfactory deal and is not tied up at present.

Country is Schultz granite and monzonite in which the ore body occurs along the surface of a slope up which it extends for 400' in which distance the hill rises @ 28° or about 120'. The ore body seems to pitch on a granite foot wall at an angle of about 45° and much of the surface is covered with overburden so that lateral dimensions of deposit are not known and only underground work consists of an adit tunnel in ore and one shaft 18' deep in bottom of which ore assays 3% copper but in various sections there is a great variation in grade with some bands carrying up to 6 or 8% and elsewhere less than 1%. An average of 2% copper has been estimated and a very large tonnage of this grade may be developed. Ore is soft and copper occurs as azurite and malachite,--no sulphides have been found but they may occur at depth.

A typical analysis is as follows (high grade).

Cu	---	2.91
CaO	---	2.00
Al ₂ O ₃	---	7.00
S	---	0.14
SiO ₂	---	72.00
No gold or silver		

Ore can be very cheaply mined with power shovel at cost of not over 50¢ per ton. Power line is right at mine, some water might be found in local wells but large supply is 7 miles distant.

Experiments at Inspiration have shown that this ore is very suitable for leaching and it can be floated to some extent by use of high zanthate reagents.

(Might be shaken up and leached in place but doubt if that would pay,--worth further investigation and may get data from Rickard or Morton).

11/19/44

MEMO RE:- CARROW'S BLUE BIRD MINE

Possibly one million tons or more within 400 feet of surface and could all be mined very cheaply either by open cut or by caving to a main adit to be driven from foot of hill located 1/2 mile from highway and 1 mile from power line, 2 miles from railway, but farther from any large water supply.

County rock is Schultz granite but much altered and kaolinized in places.