

"BEST CHANCE"

Induced Polarization

All together, 14 lines were run here, oriented SW - NE. The area was covered with an electrode spacing of 200 feet and all anomolous zones were covered with an additional spacing of 100 feet. The area covered included Spring Creek, Empress of India, Retribution, Best Chance, Grafter and Iron Horse workings. The two best response zones coincided with the Best Chance and the Iron Horse.

The strongest zone coincided with the Best Chance (I) workings. Here the zone of response is approximately 600 feet long (N-S) and 300 - 400 feet in width (E-W). However, the traverse run with an electrode spacing of 100 feet indicates a narrow zone of strong chargeability (14.5) and probably come very close to the ground surface at a point of 150 feet east of the base line on line 4+OON. Magnetic results indicate that a large portion of this anomaly is due to magnetite. To properly test this zone, a drill hole is recommended at 1+20E on L4+OON drilling easterly along the line at -60° . This should intersect a point 50 feet subsurface at 1+50E on L4+OON.

The largest indicated zone is associated with the Iron Horse (II) workings. Here there is a possible zone indicated of 800 feet long (N-S) and 400 feet wide (E-W). However, as with the Best Chance the smaller electrode spacing indicates a narrow zone of strong chargeability (10.5) peaking at 10+50W on line 8+OOS. Resistivity results in conjunction with the chargeability results indicate a possible contact zone. Also, as with the Best Chance, I.P. results indicate a westerly dip. Where there is a possible northern plunge to the Best Chance, there is good evidence that the Iron Horse plunges northward. To test this zone, a drill hole is suggested at 11+00W and drilled easterly along the line at -60° .

The Grafter (III) zone indicated a weak anomaly (4.1) and of limited size. I.P. results here indicate a westerly dip that is perhaps flatter than either the Best Chance or the Iron Horse. This zone indicates a very shallow depth of burial and drilling here if required should be collared at 9+00W on L2+OON and drilled easterly along the line at -60° .

A modest response (4.1) is associated with the Spring Creek workings. Detail work here indicates a dip to the west and the zone is perhaps wider than the previous ones discussed but much weaker in response. If drilling is required here the hole should be collared at 3+00E and drilled easterly along line 28+OON at -60° .

The Empress of India (V) workings indicated a very weak response. Although the resistivity indicates that it is directly related to a contact, no drilling is recommended.

Zone (VI), was indicated on the last line surveyed to the north. It is a modest response (4.1) and detailing indicated that the depth to response is 100 - 200 feet. Detail work would indicate that the zone dips to the east. If testing is desired, a drill hole should be collared at 11+50E and drilled W along L36+00N.

Zone (VII) is a partially tested zone but resistivity and I.P. results strongly suggest a structural feature. A general description that would cover this feature would be a somewhat crystalline dike like structure probably of basic nature with minor amounts of disseminated pyrite. It is not believed to be of economic interest.

General structural information is difficult to obtain from the geophysical results as the area is quite complex. However, a limestone granite contact is known with an associated and well developed skarn zone. The resistivity suggests the possibility of fault zones coincident with the contact.

There is also some evidence of some east - west faulting in the SW portion of the area surveyed although nothing definite.