

J. B. P. S.

Have taken map and will comply Glenn.

File

MEMORANDUM

812544

TO: J. B. P. Sawyer

May 25, 1970
65-CLV

FROM: C. A. Mark

SUBJECT: Spa I. P. Data - Drill Hole Recommendations

From a review of the I. P. data and the drilling to date, it is suggested that at least one hole be drilled on L-184 N to test this anomaly at the north end of the Dillard Zone. I have given two locations marked 1st and 2nd priority for your consideration as to choice. You should review the geochem and geologic data before selecting a location, since you have more recent information in the field.

Also, one hole should be drilled to test the anomaly "D" on the north end of the Mabel Zone. It is my belief that topography affects the resistivity data greatly but not so much the P.F.E. values. If this is correct, there still is an anomaly present unless there is a steel pipeline, grounded fence line, or power line along the road. It is suggested you drill a hole as indicated on the map at or near the road on L-116 at about 253 or 254 E. Again, you should review geology and geochem before final location of the drill hole.

From there on, you are entirely on your own as to the other drill hole locations -- it is your choice.


C. A. Mark

CAM/pc
Attachment



DIAMOND DRILL PROGRAMME

SPA MINES 1970

Minimum 1,500' BQ Core

DDH #4

Site as for 69-2 164+00N, 182+75E
Spec. AZ. 075° True
Dip - 75°
Depth 500' approx.
N.B. Sulphide zone 120'-320'+ anticipated
mud for minimum 250'

Justification

Intersection of sulphide zone in 69-2
from 100-200' below surface

DDH #5

Site 168+00N, 178+00E
Spec. AZ 075° True
Dip - 60°
Depth -300'+

Justification

Dependent on results from #4 to check
strike extension of hanging wall/en-echelon
dyke.

DDH #6

Site as #5 168+00N, 178+00E
Spec. AZ 255° True
Dip - 60°
Depth 300'+

Justification

To test vertical extension of rusty weathered
zone in granodiorite at contact.

DDH #7

Site 184+00N, 192+50E

Spec. vertical
Depth 400'+

Justification

To test strong I.P. as indicated by
McPhar.

DDH #8

Site 176+50E, 184+00N

Spec. AZ 075° True
Dip - 45°
If #7 all pyrite, move to 177E
vertical 250'

Justification

Good Cu, Zn, Hg geochem correlation at 177E,
184N, with I.P. high offset at 178-180E on 184N.

FURTHER DRILLING

- 1) Any significant increase in Chalco to Pyrite ratio of DDH #4 over DDH #69-2 should be followed up by deeper intersections and long deep probe back towards granodiorite contact, plus #5, and a further hole southeast from #69-2 to test strike extension of sulphide zone.
- 2) If expedient, coincident weak geochemical and weak I.P. responses centered on 85+00N, 180+00E could be tested by trenching or two (2) shallow vertical boreholes of 200' each.