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KERR ADDISON MINES LIMITED

(FOR INTER-OFFICE USE ONLY)

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y-9
SEP 30 1974

To Mr. G. M. Hogg From W. M. Sirola

Subject Grum Zone Drilling Date September 27, 1974.
Geologic Interpretation

y-9
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W.J.
D.M.H.
G.M.H.
✓ M.D.R.
✓ T.D.B.
R.D.S.
G.R.
T.W.B.
E.C.J.

I have plotted up-to-date drilling information on the Section 76 + 00W prepared by Peter in your office.

It would appear that the broad outlines of the various mineralized zones are relatively simple, gently undulating SW dipping structures. The ore lenses within these mineralized zones may, however, be somewhat more difficult to predict because a high grade zone will lens into weakly mineralized pyrite or into massive pyrite containing only minor amounts of lead and zinc.

I don't think for the moment that we should think in terms of structures dipping more than 20°. There is a tendency to do this in an effort to connect ore-grade lenses from one drill hole to another and thereby suggest steeper dips than actually exist and this practice should be avoided.

If we think in terms of relatively gentle dips then we may have to introduce folds to connect one drill hole to another but the precise nature of this folding remains obscure because of the tendency of the ore to be transposed along F2 planes. A shape could result which bears no real resemblance to such things as anticlinal fold structures.

It is imperative that some sections be drilled (as you have already suggested) on closer centres to give us a better grasp of tonnage.

In the enclosed section, I have not attempted to use drill hole A-10 because it is 200 ft. off section and I considered that too far in this instance.

Despite the intricate nature of the folding in the few outcrops in the area of interest, I think we should avoid for the time being at least, any attempt to show complex structures in the ores zones and treat them rather as separate lenses which tend to thicken and thin.

Bill
W. M. Sirola.

Enc. Section 76 + 00W, Scale 1" = 50 ft.

H. D. Rowland

FROM

G. M. Hogg

DATE

Sept 30 1974

PLEASE REPLY DIRECT

PLEASE HANDLE

PLEASE SEE ME

YOUR COMMENTS

FOR YOUR INFORMATION

FOR APPROVAL

PLEASE RETAIN

PLEASE RETURN

Bud. Bill Suda is pointing out in this memo the fact that high grade lenses in the Grom deposit will tend to be flat-lying and lensitic - i.e. the one is not folded. I agree that this is probably the case, but it will not alter the general picture which I have presented as to probable grade and continuity of a "main zone". Further drilling will of course firm up distribution and grade.

GH.

8512

8549

8550

Gr. Rcs.

Foliated
FR. Rf

Firth.

Rose Cr
RCF fault

Area of Expl.

Projected
70 fault

champs

Re type.
Meta Basalts.?

Vanguard

Vanguard
cr.

STRUCTURAL PLAN
VANGORDA AREA
W.M. SIROLA

Airphoto Linears
Vangorda Area, Y.D.

1" = 2000' ~

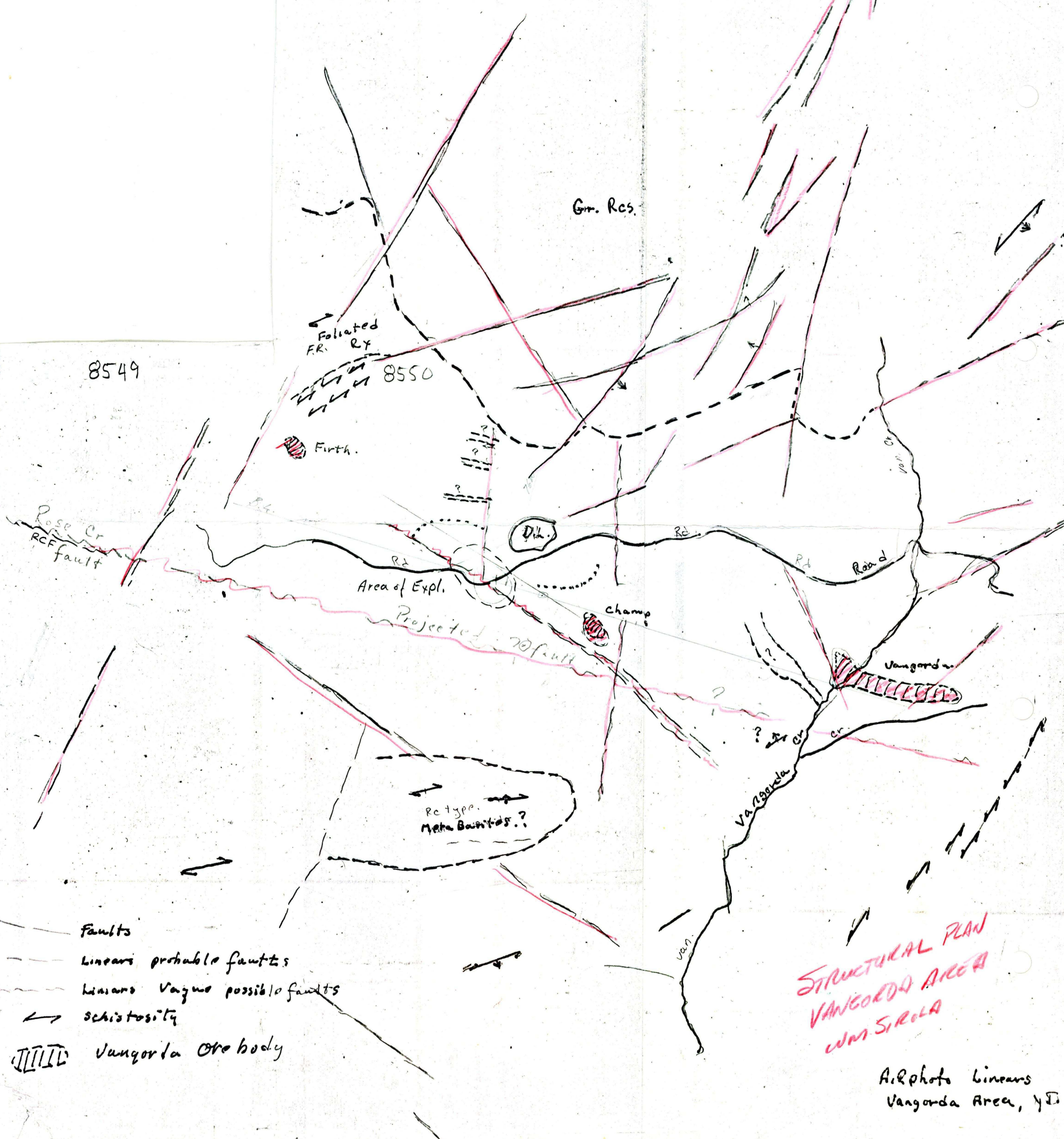
Faults

Linear probable faults

Linear Vague possible faults

Schistosity

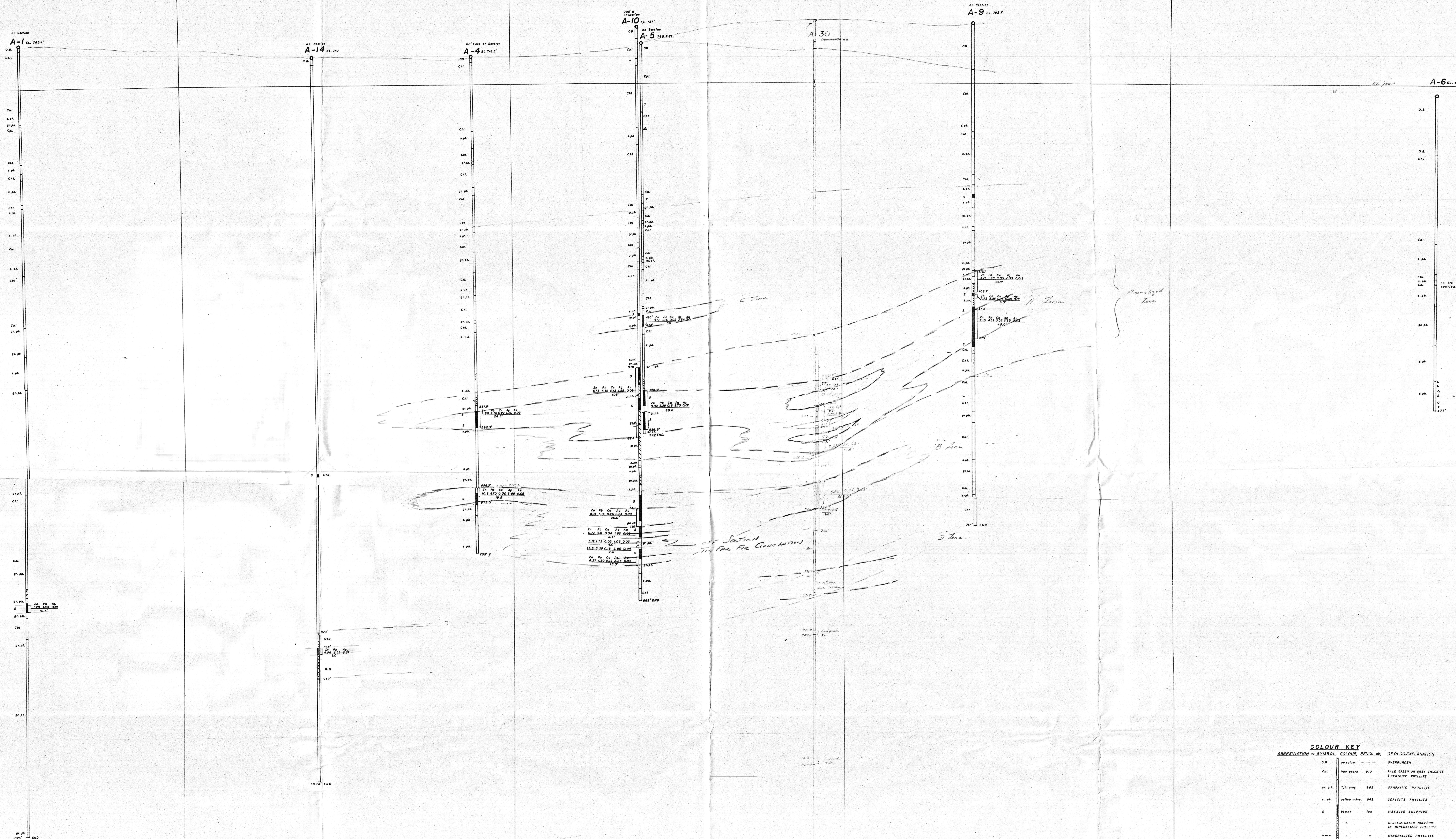
Vangorda Ore body



5-00 S

0+00

70-00 W



COLOUR KEY

ABBREVIATION OF SYMBOL	COLOUR	PENCIL #	GEOLOGICAL EXPLANATION
O.R.	Red	100	OVERBURDEN
Chl.	Dark Green	510	PALE GREEN OR GREY CHLORITE SERICITE PHYLITE
Sp. Ph.	Light Grey	983	GRAPHIC PHYLITE
S. Ph.	Yellow White	982	SERICITE PHYLITE
S	Black	104	MASSIVE SULPHIDE
---	---	---	DISSEMINATED SULPHIDE IN MINERALIZED PHYLITE
---	---	---	MINERALIZED PHYLITE
---	---	---	BRECCIA
T	Green Green	909	TUFF ?
---	---	---	ORE INTERSECTION LENGTH IN FEET