

Recommendations.

A - Explores drift covered area on which little if any work has been done. Use short diamond drill holes. Explores are below north star outcroppings in neighbourhood of train line.

1. The eastern ore body in large measure is a blanket lead and ^{there is possibility} ~~well~~ that it may possibly be present underneath the drift below the present north star workings because the dip of the strata is down hill at an angle which is assumed, from lack of exposure, to be greater than the slope of the hill which is nearly 15 degrees from the horizontal.

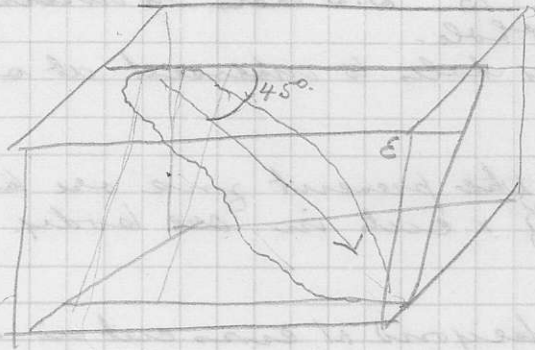
2. The strata in the vicinity of the mine are heavy bedded whereas lower down the hill just above where the tram cross the North Star Road the quartzites are thin bedded + platy showing that it is a different horizon and from lack of ~~set~~ evidence to the contrary is concluded to be higher in the series than those at the mine.

This would make the north star and stemwinder lodes to be separate and distinct zones of mineralization.

3. The diamond drill holes put down ~~between~~ below the north star prove conclusively that the lodes are not true pressure veins but are closely resemble blanket leads similar to those of the Sullivan. If so the continuation of the north star ore bodies are beneath the drift covered slope below the north star workings.

B. In the Sulleraw mine and in the North Star mine the head slopes are associated with close folding which is exhibited in anticlines, synclines and overturned folds. In the study of the area between the North Star and Slemvander mines, the most pronounced folding occurs between the tower situated at the crossing of the tram and the North Star Wagon road and the tower next higher up the hill in fact at the upper tower stony folding was seen. If the ore bodies are associated above sites folding should be explored by diamond drilling near the junction of the Grantell and North Star Roads.

(C) No further exploration is recommended on the North Star mine as the exploration so far carried out proves the non-existence of any ore bodies of commercial size. However suitable treatment of the surface material now present in the North Star mine might recover ~~some~~ of the values there.



Stimewinder

1. Put down B. D.D hole to intersect on 250 foot hole.
Run 2 other holes to intersect at same horizon
2. Outline the present zone ore body by means of x cuts in ore body.
3. 100 feet beyond N cross cut in N drift drill to intersect possible continuation of ore body.
4. Run south in row last x cut N drill every 50 feet. preferably drill
5. When the above work has been completed spot holes to determine the direction & relationship of the row mass to the N & S of the present territory. Until the trend and size of the present ore body is determined in my opinion it is impractical to locate further diamond drilling.

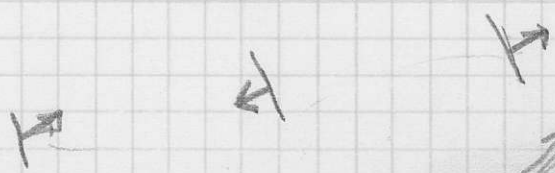
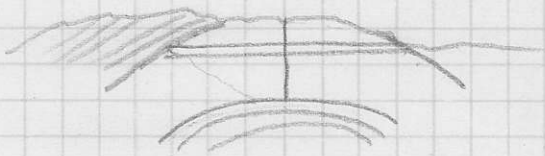
Relationship of Sulfidation ore bodies.

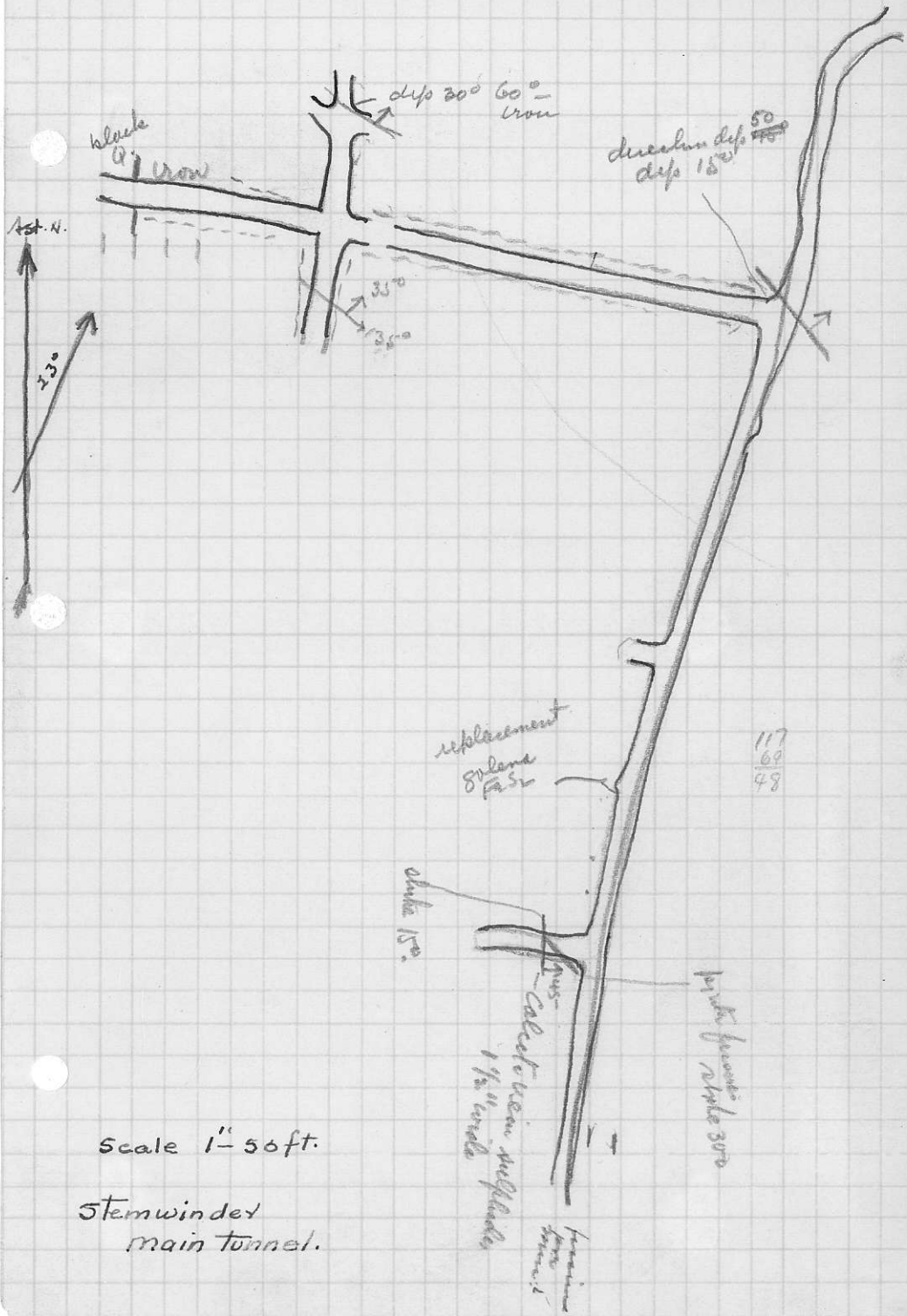
1. Trend - N 20° 58' E.
2. dip. average 23° to E
3. Ore bodies. There are two main ore bodies the northern ore body and the south ore body which contain zinc and lead values sulphide.
4. The ~~ore~~ occurs as a replacement pyrosulphides of a favorable bed of quartzite the sulphide following down the minor folds in the quartzite. The ore bodies are two in number enclosed entirely by the pyrite or pyrrhotite, the ore bodies occurring near the centre but more usually near the hanging wall of the lead. north ore body south ore body.

The strike of the ore bodies approximate 45° to the north.

3

III

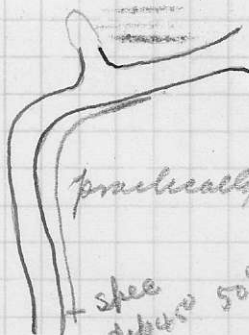




Scale 1" = 50ft.

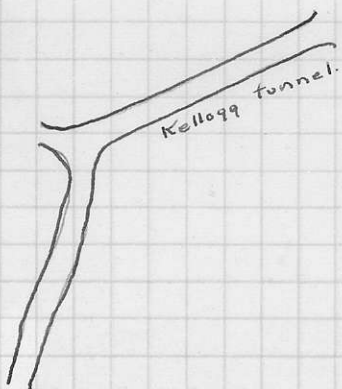
Stemwinder
main tunnel.

No 2 Tunnel.

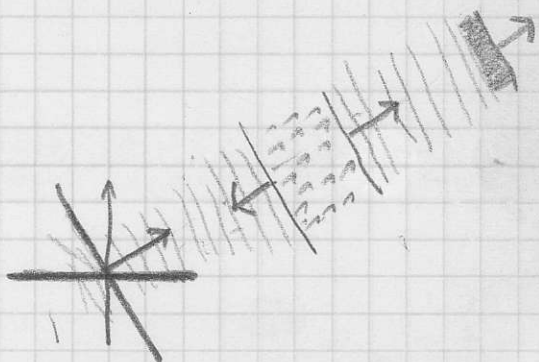


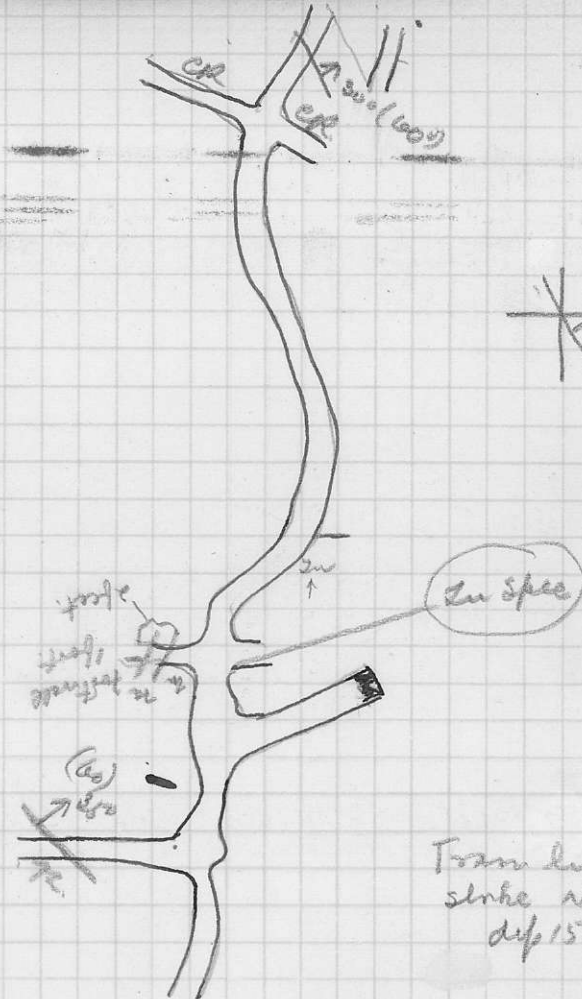
practically all time on.

shee
depart 50°

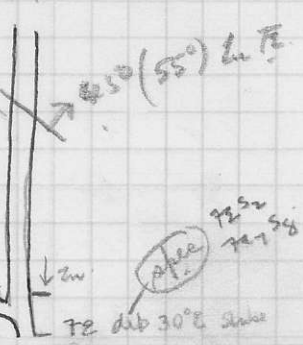
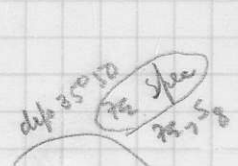
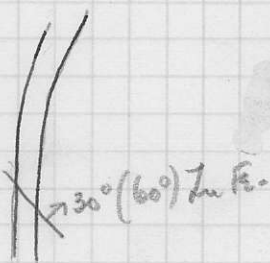


Kellogg tunnel.





Tran line
strike N 10° E
dip 15° to E.



Stemwind
125 ft level
scale 1" = 50'