

Nov. 19/62  
R.V.K.

# LARDEAU LEAD-ZINC ADIT

1" = 100'  
N

- high % calcite  
- banded ore  
- flecked dol.

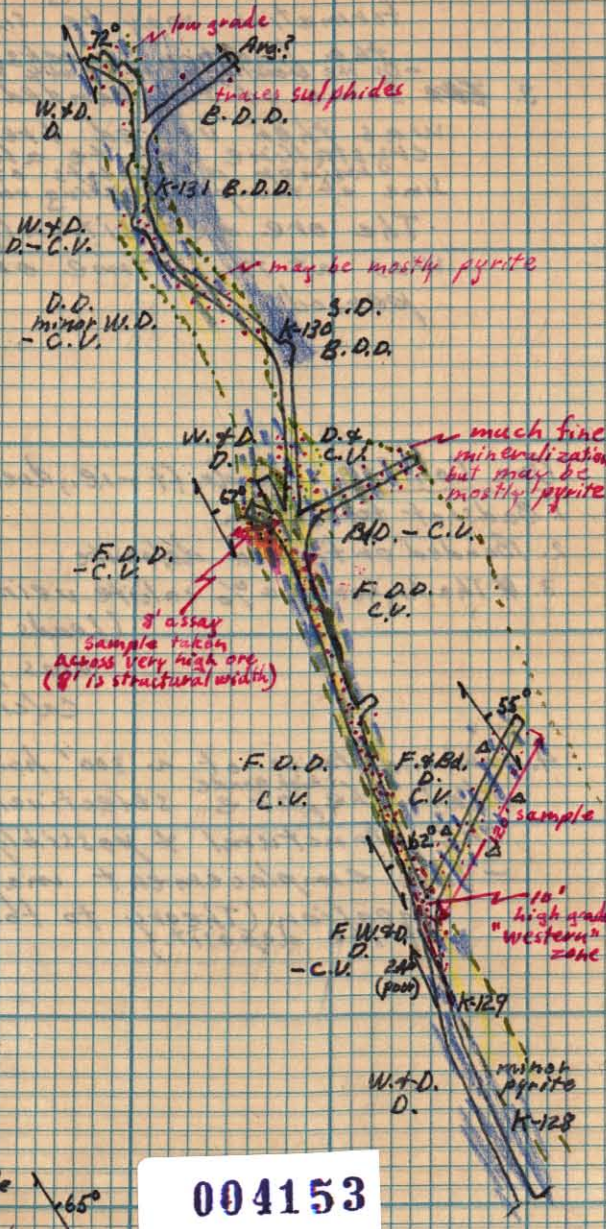
- stacked & banded  
dolomite

W/S foliation  
banding

Typical section through  
high-grade "Western" zone

## Legend

- D.D. - Dark dolomite
- W.D. - White "
- F.D. - Flecked " (white in dark)  
- brecciation
- Bh.D. - Banded "
- B.D.D. - Barren, dark "
- C.V. - Calcite veinlets  
up to 50% calc.  
to 5% calc.
- S.D. - siliceous dol.
- Possible limits  
of main ore  
zone
- Possible limits of low grade  
mineralization
- Sphalerite, pyrite & minor galena  
mineralization.



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PORTAL

## PARAGENESIS

Assuming the Badshot formation at this point was originally calcite.

1. Badshot was completely dolomitized by a dark, bluish-black dolomite (fine grained)
2. This dolomite underwent some sort of change - perhaps even replacement by a white, "sugary" dolomite. The white "sugary" dolomite is found as bands or flecks in the dark.

I believe the flecks are a structural feature, resulting from folding. Their formation may be similar to that of the lineation streaks (matrics) in the "felsites" - Or the breaking up of the white dolomite bands.

3. ~~The~~ Some of the banded & flecked dolomite was then veined & replaced by coarse crystalline calcite and in some places by minor amounts of quartz. Some of the pre-existing rock was partly brecciated by this process. The ore deposition (pyrite & sphalerite mineralization) was at this time or closely followed this period.

Ore Controls (in drift - i.e., doesn't include regional structures)

1. Badshot formation
2. Banded or flecked dolomite
3. ~~The~~ The higher the % calcite veinlets, the higher the % sulphides. (Leads one to believe that ore was probably deposited by calcite bearing solutions)
4. For a distance of ~ 300' horizontally, it is noted that the <sup>high grade</sup> ore selectively replaces or invades one structural & possibly one stratigraphic unit. - This emplacement may be in the form of a lineation. (Theory to follow for further explanation of the deposit.)