A. F. Hagner, 1942
MR42-12

Dr. Collins (Graphite) - E. 1/2 Sec. 17, T. 23(?), R. 70 - 19 mi. from Wheatland.

Visited deposit with Dr. Collins. He states that he has 7 claims and that the deposit extends for 1/2 mile in a NE-SW direction. The trend of the graphite is NE-SW and along the strike the ore pinches and swells. Where the pits have been dug - the 4 or 5 we visited - the graphite averages around 6'-8' in thickness. It can be traced for several hundred feet - probably the entire 1/2 mile mentioned above - and along the strike the thickness varies as would be expected of this type of metamorphic deposit.

Apparently the rock is a graphite "schist" - at least it is somewhat foliated, the foliation following the general trend of the hornblende-schists and mica-schists of the region.

There is more ore in sight in the pits than at Plumbago or Lusk. A small amount of the ore in one pit is crystalline - the rest is the "amorphous" variety.

First Pit across road from flat - end of road at fence. Graphite schist here is 8' wide, dip steep NW (contorted), strike NE. On a line to pit on hill to NE the strike is N. 20-25 E. Trend similar to that of other rocks (Bi-Musc-Qtz Schist) of district. Pit 5' high by 4' by 10'. Garnet in places.

Pit SW of above 10' long by 5' wide by 6' high. Dip vertical. Strike N. Foliated, fractured. Strike N. 20 E.

Pit SW of above - the graphite schist is 12' wide. Pit 15' by 5' by 10' deep.

Shaft SW of above in graphite schist about 10' wide. Shaft 20' deep.

Two pits SW of shaft.

In 2 of pits gr. schist is concentrated on the crests of folds.

Float fairly continuous from pit to pit along length of claim.

23(?)

Dr. Collins (Graphite), E½, S17, T24, R70 [illegible]

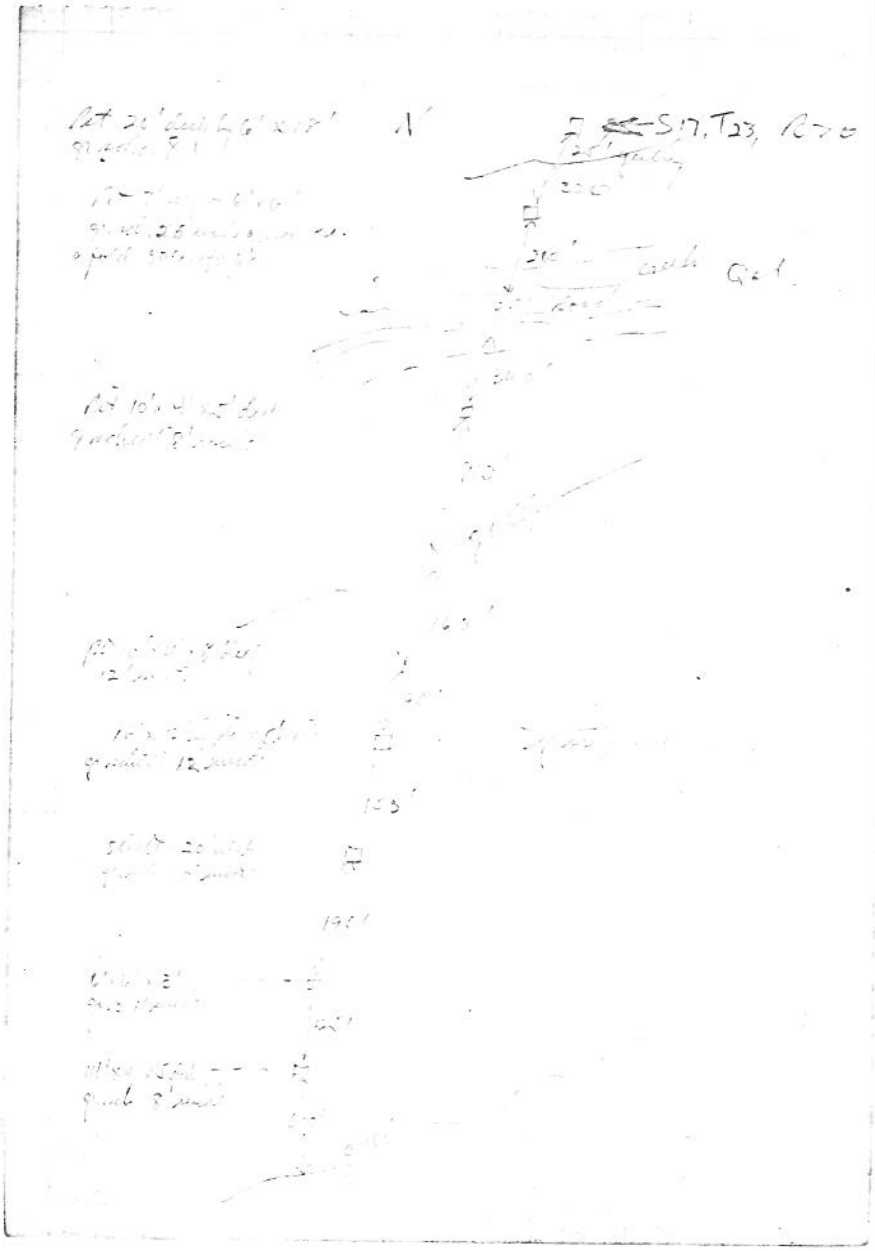
5-VIII-42 Visited deposit with Dr. Collins. He states that he has 7 claims and that the deposit extends for ½ mile in a NE-SW direction. The trend of the graphite is NE-SW and along the strike the ore pinches and swells. Where the pits have been dug – there are [illegible] – the graphite averages around [illegible] in thickness. It can be traced for several hundred feet – probably the entire ½ mile mentioned above – and along the strike the thickness [illegible] of this type [illegible]

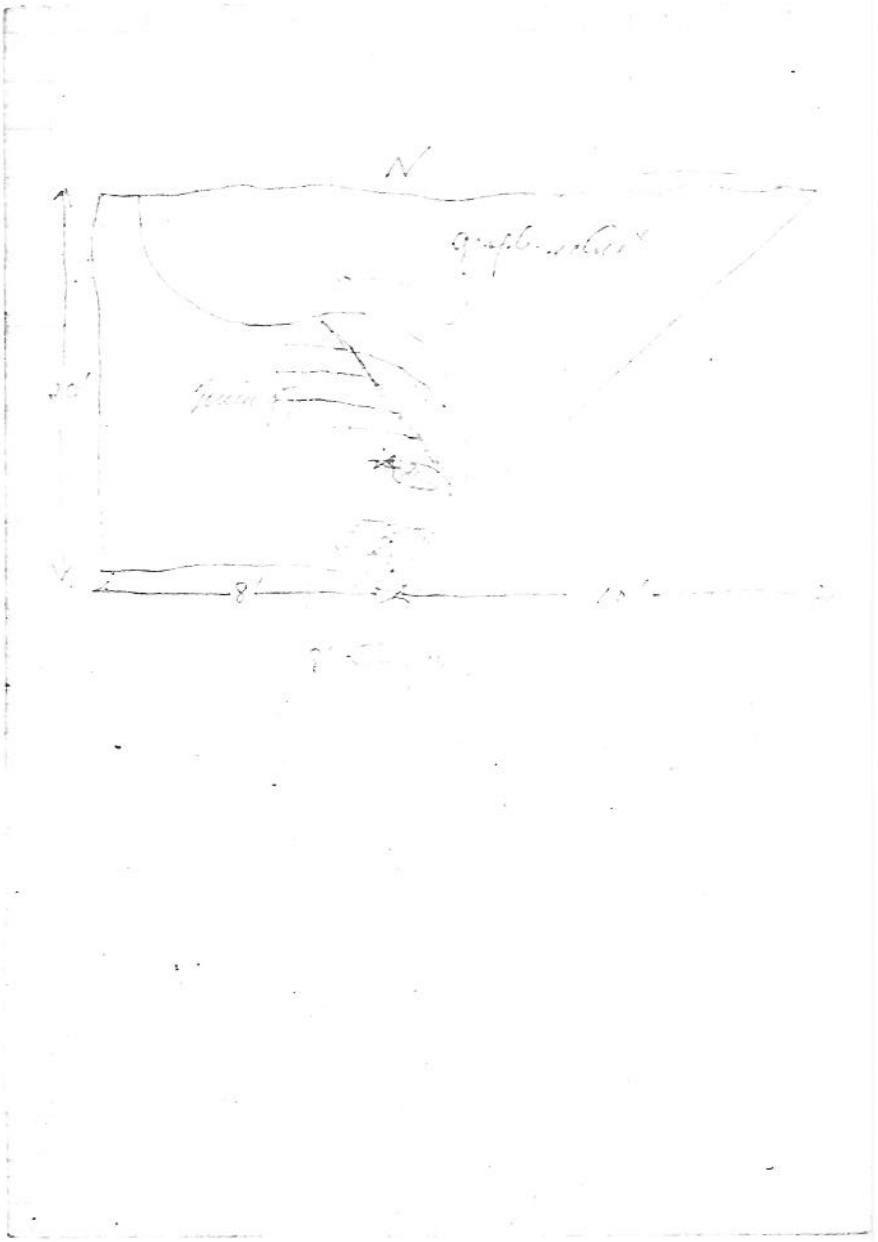
Apparently the rock is a [illegible] "schist" – at least it is somewhat foliated the foliation following the general trend of the [illegible] schists and mica-schists of the region.

There is more ore in sight in the pits than at Plumbago or Bush. A small amount of the ore in one pit is crystalline – the [illegible] "amorphous" variety.

[illegible]

biotite-
muscovite-
quartz




N
8'