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925/7
Marjory

February 4th, 1969.

Alwin Mining Company Ltd.,
1111 - 409 Granville St.,
Vancouver, 2, B.C.

Attention: Mr. H.E. Jacques:

Dear Sir:

Attached are my brief descriptions of mineral samples sent to us recently for examination by Norman Smalley of the Barnes and Smalley interests. Barnes and Smalley are apparently two of the principals of the Marjory Group (in the Pemberton area), the report on which was submitted to you from this office on January 27th, 1969.

According to Mr. Smalley, samples in bags Nos. 1 and 2 were obtained from showings on unstaked ground near Gates Lake which, I have been told, lies a few miles northeast of the Tenquille Creek showings. The contents of bag No. 1 consist mainly of magnetite, pyrrhotite and hematite, in order of abundance. In bag No. 2, the chief mineral in the two samples appears to be freibergite (argentiferous tetrahedrite), which usually has a high silver content.

Bag No. 3 contained several oxidized pieces of mineralized rock which appear to contain mainly galena and some sphalerite. In addition, there were three larger pieces of magnetite enclosed in bag No. 3 which I have removed and enclosed in a separate bag and labelled "#3b".

Visually, it would appear that the only samples of economic interest at present would be those from bag No. 2 (freibergite, a silver-bearing mineral) from vicinity of Gates Lake.

I have inserted assay tags in each bag of samples in case you wish to have them assayed at your convenience. Should you decide to assay the samples, I would appreciate having a copy of the results mailed to me.

Yours very truly,

BACON & CROWHURST LTD.

G.D. Delane

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ROCK & MINERAL SPECIMENS FROM N. SMALLEY - Jan. 28/69

BAG NO. 1 - unstaked ground, near Gates Lake, northeast of Tenquille Creek showing.

- (a) Slightly altered (epidotized and dark red-brown oxide), very fine grained blackish-green (argillaceous rock) - contains some fine grained magnetite as a 'smear' - some hematite and fairly abundant pyrrhotite as blebs; specimen is highly magnetic. Hardness 4.0; no visible copper minerals - an argillaceous rock.
- (b) Greyish green, very hard H = 5.5+, fine med. grained, dense-looking, minutely fractured, iron stain on principal fracture faces; contains numerous very small whitish fragments - contains tiny specks of pyrite & pyrrhotite - a siliceous tuff.
- (c) Grey, medium grained, hard H = 5.5, oxidized surface. Only visible sulfides are minute specks of pyrite, rounded corners, looks like float.
- (d) Heavy specimens of mineral, metallic to sub-metallic lustre, mainly hematite (brownish streak), some fine grained chalco in blebs on one face - specimen strongly magnetic - mainly magnetite.
- (e) Strongly magnetic, metallic lustre, oxidized surface, H = 5.5+, - mainly hematite & magnetite.

BAG NO. 2 - Two pieces of quartz vein containing considerable metallic-lusted sulfide minerals - from unstaked ground northeast of Tenquille Creek properties.

Specimen #1 - Quartz vein with abundant lead-grey, metallic lusted mineral, brittle, H = 3.5, grey-black streak & azurite staining on one side, iron stained remnant. ($\frac{1}{2}$ " x $\frac{1}{4}$ ") pyrite in pod, metallic minerals have appeared to "invade" edges of quartz vein. Metallic mineral is mainly freibergite (argentiferous tetrahedrite (Cu, Fe, Ag)₁₂Sb₄S₁₃, about 30% metallic sulfides.

Specimen #2 - Similar to #1, but with more evidence of azurite staining permeating through edge of quartz - probably freibergite (argentiferous tetrahedrite) - about 20-25% metallic sulfides.

BAG NO. 3 - From Tenquille Creek showings

- (a) Several specimens, oxidized (iron stained), small vugs, some pieces locally magnetic - these pieces contain mainly moderately fine-grained galena, some brown sphalerite, but no visible chalcopryite; some small smears of pyrite - mainly galena.
- (b) 3 other larger pieces, blackish, med. grained and strongly magnetic, heavy, hard, H = 6.0, - magnetite.