

Sample Examination Report

Submitted by: K. Dawson Date submitted: May 24, 1983
G.S.C., Vancouver

Title of study: Carbonate Study Project No. _____

Sample description: 0096-28: Maura vein
0097-2a: Maura, altered volcanics
0098 : McDane Vn.

Locality: 0099 : 28 West, altered volc.

Samples from ERIKSON GOLD MINE, Cassiar, B.C.

Information and data required:

Results: The four powdered samples received were run both as whole rock x-ray diffraction traces, and as residues after treating with cold dilute HCl until effervescence ceased. The mineralogy determined from these traces is:

- 0096: DOLOMITE, QUARTZ, minor CALCITE *in 28 Maura - carbond*
- 0097: DOLOMITE, QUARTZ, SIDERITE-MAGNESITE series, CALCITE, MUSCOVITE, KAOLINITE, minor PYRITE *alt. volc. in 28 Maura*
- 0098: DOLOMITE, QUARTZ, minor PYRITE *McDane Vn*
- 0099: QUARTZ, DOLOMITE, SIDERITE-MAGNESITE series, KAOLINITE, MUSCOVITE *28 west highly carb alt volc*

Sample 0097 is very dark grey, a black froth bubbling to the surface upon acid treatment is amorphous.

The mica is a di-octahedral, muscovite type - not possible to distinguish chromian varieties by x.r.d.

Signed: J. McChernant Date: May 26/83 Approved: _____
Mineralogy Section Section Head

Copies to: 1. Section File 2. _____ 3. _____



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Your file Votre référence

Our file Notre référence

May 30/83

Richard Bassett,
ASM Explorations Ltd.,
203 - 1209 E 4th St
North Vancouver BC
V7N1G8

Dear Rich:

Here are the mineral identifications of your specimens 0096 - 0099. The carbonate minerals apparently are predominantly dolomite, with some calcite, siderite - magnesite, kaolinite and muscovite.

The significance of these mineral assemblages with respect to the location in the deposit I leave to your interpretation. Perhaps we can follow up on this information in this season's studies of the deposit by Doug Harper. The mineralogist noted the relatively high K + Al in both 0097 & 0099, and annotated the sheet 'kaol' opposite Al & 'musc' opposite K.

We plan to arrive at Reekum in the last week of June and spend several days, before returning later in the season.

Canada

Best regards
Len.