

MINNOVA

MEMORANDUM

DATE: November 16, 1990
A TO: A. J. Davidson
COPIES TO: I. D. Pirie, file
DE FROM: G. S. Wells
SUJET SUBJECT: Maple Leaf Property - American Bullion - NTS 104K

On October 11, Alex, Ian and I visited American Bullion's recent zinc-gold discovery located on their Maple Leaf claims. The property is located in northwestern B.C., 27 km northwest of Cominco's Tulsequah Chief mine (see attached figures).

Two rusty felsic zones which occur in intensely foliated and folded andesitic rocks are exposed on a vertical cliff face adjacent to a tongue of the Tulsequah glacier. Float material from these zones consists of sericitic and pyritic (1-5%) felsic tuffs and cherty rhyolite. The latter unit locally contains 1-2% sphalerite and 2-3% pyrite which occur as fine disseminations parallel to banding/foliation. Samples AM-3 to 6 and AM-10 which were taken from these zones have anomalous but subeconomic metal contents.

The best mineralization occurs in the "Boulder Bowl" where semi-massive sphalerite is associated with quartz vein material. Samples AM-1 and 2 which were taken from this area yielded anomalous Pb, Zn, Ag and Au values. Previous sampling by American Bullion in this area have yielded assays as high as 0.182 opt Au, 11.81 opt Ag, 17.4% Pb and 6.73% Zn.

No action is warranted on the Maple Leaf property at this time as I am not completely convinced that we are dealing with a VMS-type system. No exhalative horizons were seen and at the moment there is no geological or geophysical evidence to suggest that a distinct mineralized horizon is present.

American Bullion - Maple Leaf Property

Sample for Assay

- AM-1 -high grade sph (semi-massive) chips from
 boulder bowl
- AM-2 -high grade sph-gn, 10% sph - 3-5% gn
 associated with q.v. in f.gr. grey siliceous
 host - boulder field
- AM-3 -Zone 2: finely banded siliceous rhy? with
 1% py and 1-2% sph aligned parallel to banding
- AM-4 -Stop 2: on top of cliff - near fold nose,
 cherty rhyolite with 1% diss. py.
- AM-5 -#2 Zone: ser-qtz schist with 1% py
- AM-6 -#2 Zone; siliceous f.gr. massive rhyolite
 - banded 1% sph - rusty
- AM-10 -cherty rhyolite with 1% diss. sph, 1-2% py
 parallel to foliation - same area as AM-6



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P.O. Number :

Project :

Comments: ATTN: GARY WELLS

CERTIFICATE OF ANALYSIS

A9025202

| SAMPLE DESCRIPTION | PREP CODE | | Au ppb FA+AA | Ag ppm | Co % | Cu % | Fe % | Mn % | Mo % | Ni % | Pb % | Zn % |
|--------------------|-----------|-----|-----------------|-----------|---------|---------|---------|---------|---------|---------|---------|---------|
| AM-1 | 208 | 294 | 1660 | 102 | < 0.001 | 0.248 | 2.12 | 0.039 | < 0.001 | < 0.001 | >3.00 | >3.00 |
| AM-2 | 208 | 294 | 655 | 46 | < 0.001 | 0.019 | 2.35 | 0.033 | < 0.001 | < 0.001 | 1.885 | >3.00 |
| AM-3 | 208 | 294 | 100 | 10 | < 0.001 | 0.006 | 1.87 | 0.015 | < 0.001 | < 0.001 | 0.296 | 0.487 |
| AM-4 | 208 | 294 | 20 | 2 | < 0.001 | 0.001 | 2.52 | 0.010 | 0.003 | < 0.001 | 0.021 | 0.032 |
| AM-5 | 208 | 294 | 20 | 12 | < 0.001 | 0.002 | 4.01 | 0.133 | < 0.001 | < 0.001 | 0.013 | 0.023 |
| AM-6 | 208 | 294 | 15 | 8 | < 0.001 | 0.023 | 1.91 | 0.088 | 0.001 | < 0.001 | 0.688 | 0.435 |

CERTIFICATION:

Assay Certificate

OV-1642-RA1

Company: **MINNOVA INC.**
Project: LARA 242
Attn: G. WELLS/J. KAPUSTA

Date: OCT-31-90

Copy 1. MINNOVA INC., VANCOUVER, B.C.
2. MINNOVA INC., CHEMAINUS, B.C.

We hereby certify the following Assay of 25 CORE samples submitted OCT-23-90 by P. BAXTER.

| Sample Number | LOI % |
|---------------|-------|
| 16397 | 2.20 |
| 16398 | 2.40 |
| 16399 | 5.50 |
| 16400 | 4.60 |
| 16401 | 2.10 |
| 16402 | .70 |
| 16403 | 3.10 |
| 16404 | 3.20 |
| 16405 | 5.10 |
| 16406 | 3.60 |
| 16407 | 2.70 |
| 16408 | 2.80 |
| 16409 | 3.30 |
| 16410 | 4.30 |
| 16411 | 3.20 |
| 16412 | 6.20 |
| 16413 | 6.70 |
| 16426 | 3.20 |
| 16427 | 1.30 |
| 16428 | 1.40 |
| 16429 | 2.90 |
| 16430 | 2.70 |
| 16431 | 2.50 |
| 16432 | 2.40 |
| AM-10 | 1.80 |

Certified by

