

825258

# MINNOVA

MEMORANDUM

DATE: June 20, 1991  
A TO: I. D. Pirie  
COPIES A TO: J. Purkis, file  
COPIES TO: C. Burge  
DE FROM: Whitewater Property  
SUBJECT: Peter Leontowitz

NTS 82K/3

## INTRODUCTION

On May 30, I spent a few hours with Peter Leontowitz touring the Whitewater property. The property consists of 24 Crown grants located on Hwy. 31A, 15 miles east of New Denver towards Kaslo. Numerous workings and several dumps occur on the steep south facing slopes. The Whitewater "Lode" dump contains some very high grade material (samples 11176-78, 11180). Previous operators were unable to separate sphalerite from tetrahedrite and hence this material became waste. No modern day exploration has been conducted on the property.

## GEOLOGY

The Whitewater property covers a dip slope face of Slocan slates that have been folded into a series of parasitic folds. The Slocan group is possibly Triassic or lower Jurassic in age and lies unconformably against the Kaslo volcanics immediately north of the property. Occasional beds of limestone occur at various positions on the property which may be very useful markers.

## MINERALIZATION

Total production from the Whitewater "lode" stands at 440K tons of 15% Pb-Zn and 10 opt Ag. Reserves are set at 50K tons of 8% combined Pb-Zn.

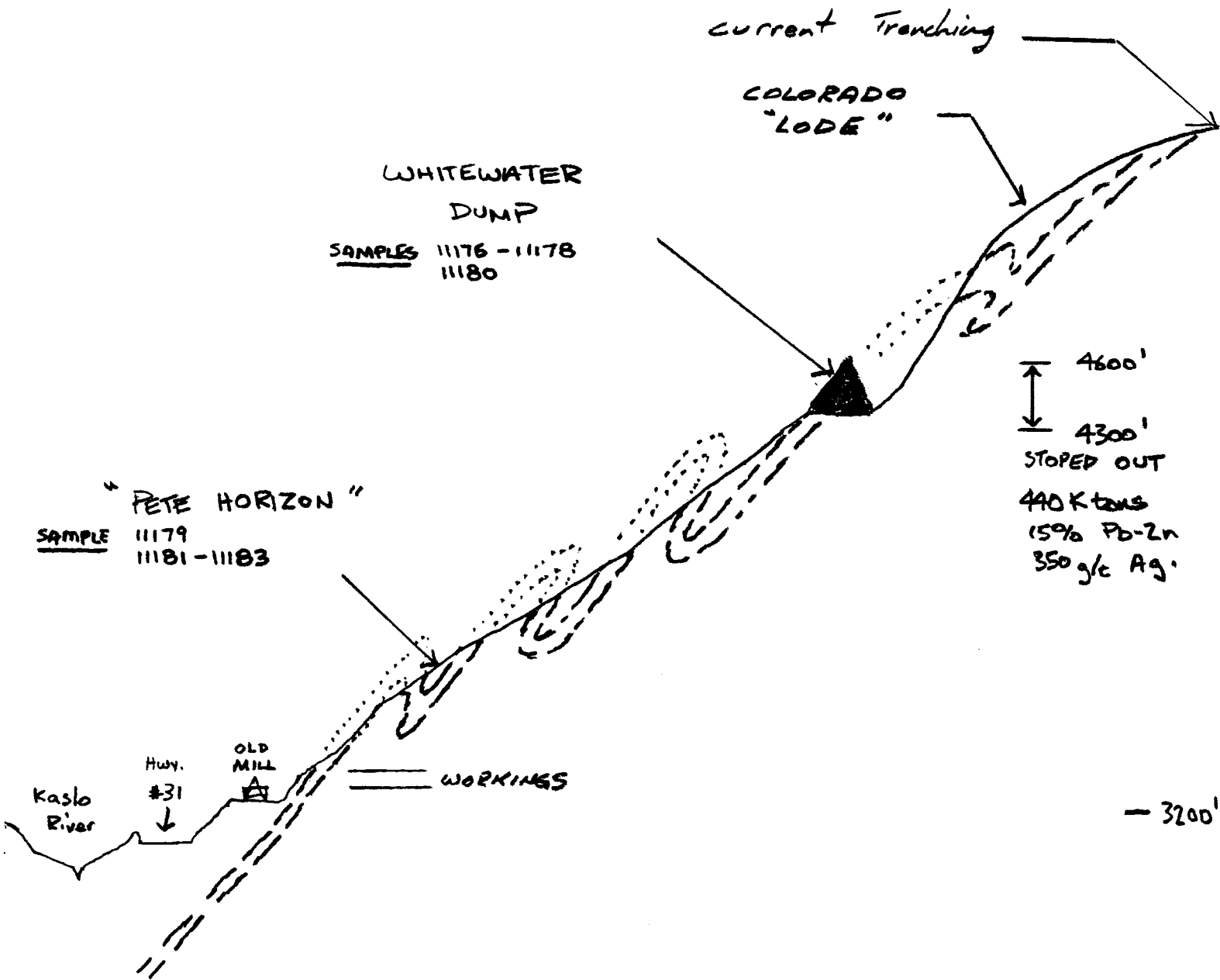
The samples taken from the Whitewater "Lode" dumps consist of massive sulphide remarkably similar to Samatosum ore. the MS can be either massive galena-tetrahedrite or massive sphalerite. The ore appears textureless when cut and clots of massive sphalerite can occur within the massive galena. Unfortunately it is difficult to judge how much of this material occurs in the dumps as the bulk of the waste is argillite. We collected a sample bag full of this material in 10 minutes or so.

I also collected a number of samples of heavily weathered argillites from the "Pete" horizon located downslope from the Whitewater (11179, 11181-83). This material runs 2-4% Zn and 2-6% Pb with Ag up to 400 gpt. No work has been done on these showings.

It is quite possible that due to the apparent folding that the Pete, Whitewater, Colorado and Charleston "lodes" are a single horizon exposed at a number of positions on the hillside.

#### CONCLUSIONS AND RECOMMENDATIONS

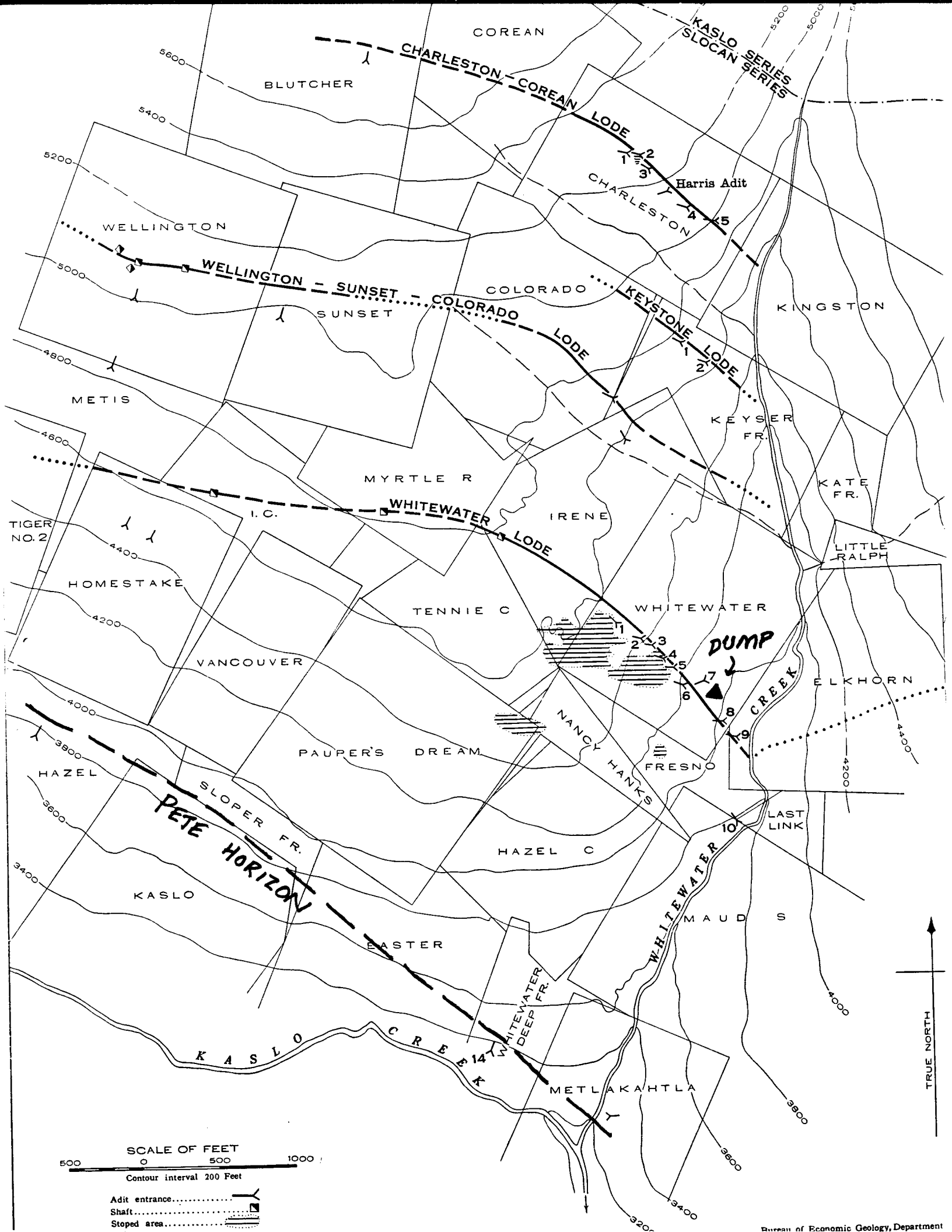
The Whitewater property is certainly underexplored and the high grade nature of dump material makes an attractive target. If the Whitewater-Colorado-Pete mineralization is stratabound then considerable potential exists in areas that can be drill tested easily. Unfortunately structural complexities may make it difficult to intersect these targets downdip. The dump material I saw was narrow (<1 m) in width and I would recommend a further examination underground of the Whitewater Lode in place to determine whether potential exists to build tons and for greater widths.



WHITTEWATER  
 IDEALIZED  
 SECTION  
 LOOKING  
 WEST

30/5/91

CMB



SCALE OF FEET

500 0 500 1000

Contour interval 200 Feet

- Adit entrance.....
- Shaft.....
- Stopped area.....



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• EN  
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Assay Certificate

1V-0520-RA1

Company: **MINNOVA INC.**  
Project: 602  
Attn: COLIN BURGE

Date: JUN-12-91  
Copy 1. MINNOVA INC., VANCOUVER, B.C.

*We hereby certify the following Assay of 6 ROCK samples submitted JUN-07-91 by COLIN BURGE.*

| Sample Number | DESCRIPTION                     | AU-FIRE g/tonne | AU-FIRE oz/ton | AG g/tonne | AG oz/ton | AS % | CU % | PB %  | ZN %  |
|---------------|---------------------------------|-----------------|----------------|------------|-----------|------|------|-------|-------|
| 16-80         | <i>PUMP MATERIAL</i>            |                 |                |            |           |      |      |       |       |
| 11176         | <i>Whitewater MS</i>            | 2.07            | .060           | 2920.0     | 85.17     |      | .783 | 13.20 | 21.10 |
| 11177         | <i>MS</i>                       | 1.37            | .040           | 1512.0     | 44.10     |      | .162 | 33.10 | 31.80 |
| 11178         | <i>MSph.</i>                    | .62             | .018           | 112.8      | 3.29      |      | .326 | .25   | 51.50 |
| 11180         | <i>MS</i>                       | 1.63            | .048           | 4890.0     | 142.63    |      | .804 | 30.60 | 18.40 |
| 11183         | <i>Whitewater Pete horizon.</i> | .14             | .004           | 410.0      | 11.96     |      | .063 | 2.05  | 2.18  |

Certified by \_\_\_\_\_

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