1. Introduction:

A number of trenches were cut on the A group of claims between August 27 and October 1, 1979.

The purpose of these claims was to open up some areas where high lead soil samples had been encountered.

All areas exhibited permafrost and work was conducted intermittently to let the soil thaw between successive periods of trenching.

In one area, a showing had been found which appeared to be in place, but was subsequently found to have no root; the occurrence was called the Pussy Cat on M.C. A-8.

All other trenches only opened up frozen ground and these trenches had to be left for deepening during the 1980 field season

Trenching was conducted with a D-7.

2. Schedule:

The schedule of trenching was as follows:

Claim A-5 – Pussy Cat: Moderate Permafrost

August 28 – September 30, 1979 – 46 hours
"float" sample number 3175
130' x 100' x 7'= 91,000 cft - sample 3514
160' x 16' x 8'= 20,480 cft - sample 3513
111,480 cft = 4,129 c.y.

Claim A-1: Strong Permafrost

September 2 – September 28, 1979 – 32 hours
530' x 16' x 5'= 42,400 cft
190' x 12' x 1'= 2,280 cft - no samples
170' x 12' x 2.5'= 5,100 cft
49,780 cft = 1,804 c.y.
IONA SILVER MINES LTD.

Trenching Report

"A" Group of Claims, 105-F-9, Watson Lake, M.D.

August 27 - October 1, 1979

2. Schedule continued:

Claim A-7: Strong Permafrost

October 1, 1979 - 10 hours
35' x 50' x 2' = 3,500 cft
40' x 60' x 2' = 4,800 cft - no samples
16' x 20' x 2' = 640 cft

8,940 cft = 331 c.y.

Total cubic yards: 4,129 + 1,804 + 331 = 6,264 c.y.

Total cat hours: 46 + 32 + 10 = 88 hours

Actual cost: 88 hours at $98.00 per hour = $8,624.00

Representation work value: 6,264 c.y. x $1.50 = $9,396.00

3. Material Excavated:

Frozen clay and boulders of decomposed rock of local derivation, minor gravelly patches; heavily oxidized bedrock on claim A-5.

Assays: oz/T Au oz/T Ag %Pb %Zn
3175 .005 21.36 32.72 .07
3153 tr 2.04 2.35 1.10
3514 tr .44 .49 1.18

Respectfully submitted,

P.H. Sevensma, Ph.D., P.Eng.

PHS/1m
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<th>Date</th>
<th>A-5:</th>
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<th>K-18 Area: (trench 7)</th>
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46 hours - total
32 hours - total
32 hours - total
12 hours - total
10 hours - total
TOTAL VOLUME TRENCHED

= 20,480 ft³
+ 91,000 ft³

111,480 ft³ SAY 112,000 ft³

NOTE: BEDROCK EXPOSED WAS HEAVILY OXIDIZED
WITH INFREQUENT OCCURRENCES OF
GALENA AT SPOT (1/2") NO READABLE
STRIKE OR DIP

IONA SILVER MINES
Pussycat Trenches

Scale: 1" = 50'
Volume Trenched

Main Trench
530' x 16' x 5' = 42,400 $\text{ft}^3$
170' x 12' x 25' = 5,100 ' $\text{ft}^3$
190' x 12' x 1' = 2,280 ' $\text{ft}^3$

Total = 49,780 $\text{ft}^3$

Say 50,000 $\text{ft}^3$

Note: No Bed Rock Encountered Due to Percussion

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Trench Near Posts of A1+2 (N 32° 01'50'') A3+4 (N 31° 41' 20'')

Scale 1" = 100'
50' 100' 150'