MAR 19730003: SOUTHWESTERN ALBERTA

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KINTLA EXPLORATIONS LIMITED
SUPPLEMENTARY REPORT #U-P-1
May 8 to June 15, 1973

Permit Area #174
Southwestern Alberta

E. Goble
July, 1973
Prospecting permit #174 comprises 9,433 acres within the Clark Range of the Rocky Mountains, centered upon latitude 49°26' and longitude 114°33'. The permit lies approximately 25 miles west-southwest of Pincher Creek in the Crowsnest Forest Reserve in southern Alberta. The permit was obtained by Kintla Explorations Limited in association with Mr. Paul Wilfort of Lethbridge, Alberta in June of 1972 following Kintla's discovery of high-grade lead-silver mineralization in the Siyeh Formation on Kintla's Big Horn claims, 2 miles west of the northernmost tip of Waterton Lakes National Park. A prospecting program was undertaken on the permit during the summer of 1972 and spring of 1973. This report and report #V-P-1 are a summary of that program.

Following the successful 1972 field program on permits 171, 172, 173, and 174 attempts were made to option off the permits to larger mining companies who could better afford the major followup program required. Although several companies expressed interest, none made a firm offer and a small secondary program was undertaken on the four permits during the spring of 1973.

The purpose of this second phase program was to determine whether the showings were continuous between the previously located samples in order to provide a strike length of 7½ to 8 miles as suggested by the 1972 program, and to determine whether or not the mineralization was constant in grade. A total of 24 mandays were spent further investigating the permit area between
May 8 and June 30, 1973, and the mineralization was found to be continuous, both in grade and width along a map distance of 4 miles N-S.

It was concluded from this that the property contains an extremely large quite low grade Pb-Zn-Ag deposit which should be tested at depth by diamond drilling. Using the standard pre-drilling procedure of calculating potential ore by assuming the depth down dip of the bed as half its exposed strike length, a minimum calculation is as follows: strike = 4 miles = 21,120 ft.

\[
\text{depth} = \frac{1}{2} \text{strike} = 2 \text{ miles} = 10,560 \text{ feet}
\]

\[
\text{average thickness of bed} = 9 \text{ feet}
\]

\[
\text{cubic feet per ton} = 12 
\]

\[
1.23 \text{ } m^{3}/t
\]

Therefore, tonnage = 167 million

average grade 2.61% Pb, 0.80% Zn, 3.70 oz. Ag.

value per ton = $20.17

As underground mining costs in southern Canada are between $10.00 and $16.00 per ton this represents an excellent orebody, provided it can be proven up by drilling. A summary of the traverses carried out in 1972 and 1973 is as follows:

**1972:**

1. North Lost Creek
2. South from North Lost Creek
3. North from South Lost Creek
4. South Lost Creek
5. South from South Lost Creek
6. North and South of Carbondale River
7. North from Carbondale River
8. South from Carbondale River
9. South from Carbondale River & West to North Kootenay Pass
10. East from North Kootenay Pass
11. Southeast from North Kootenay Pass to Hollebeka Mountain

- 2 men
- 2 men
- 4 men
- 4 men
- 2 men
- 4 men
- 2 men
- 2 men
- 4 men
- 4 men

36 mandays
1973:
1. South from North Lost Creek - 4 men
2. North from South Lost Creek - 4 men
3. South Lost Creek - 4 men
4. South from South Lost Creek - 4 men
5. North from Carbondale River - 4 men
6. South from Carbondale River - 4 men

A total of 18 geological traverses were carried out within the permit area, 12 during the period of July 15 to September 30, 1972, and 6 during the period of May 8 to June 30, 1973. Of these traverses 12 involved four prospectors and 6 involved 2 prospectors, giving a total of 60 mndays spent on the property.

These traverses are marked on the enclosed 1 to 50,000 topographical map and involve personnel at the following rates of pay (26 working days per month):

<table>
<thead>
<tr>
<th>Prospector</th>
<th>Assistant</th>
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<tr>
<td>$1000/mo.</td>
<td>$550/mo.</td>
<td>$1550/mo.</td>
</tr>
<tr>
<td>$700/mo.</td>
<td>$550/mo.</td>
<td>$1250/mo.</td>
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1972 - 5 days @ $1500/mo.
1973 - 2 days @ $1500/mo.
7 days @ $1500/mo.

Geological Supervision:

Total 67 mndays
Total field wages - $2088.44
Field support:

Cook's wages - 18/26 x $650 = $450.00
Food @ $2.60/day, 85 mandays = 221.00

Vehicle rental
   1-4 wheel drive @ $425/mo.
      18/26 x $425 = 294.23
   1-2 wheel drive @ $375/mo.
      6/26 x $375 = 86.53
Total mileage of 3,360 miles @ 3¢/mile 100.80
Field supplies 75.00
Assaying costs 125.00

TOTAL $3441.00
Administrative costs 10% 344.10
TOTAL $3785.10
PROPOSED EXPLORATION PROGRAM 1973 - 74

The proposed exploration program for 1973-74 on prospecting permit #174 is as follows:

1. 6-12 Diamond drill holes up to 150 feet deep on North Lost, South Lost, and Carbondale rivers, and above the road to the North Kootenay Pass where it crosses the Sheppard Formation.

2. Continued mapping, prospecting, and sampling of the Sheppard and Siyeh Formations for Pb-Zn-Ag, and Cu-Ag mineralization.

This will be carried out during the fall of 1973 and spring of 1974 with an AX adapted X-Ray diamond drill and with Kintla's field crews after they complete Kintla's present field program in southeastern British Columbia.
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12. Southeast from North Kootenay Pass to Hollebeka Mountain - 4 men, 36 mandays
1973:

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