

MAR 19730003: SOUTHWESTERN ALBERTA

Received date: Dec 31, 1973

Public release date: Jan 01, 1975

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19730003

ECONOMIC MINERALS

FILE REPORT No.

PB-AF-010(2)

KINTLA EXPLORATIONS LIMITED

SUPPLEMENTARY REPORT #W-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 $49^{\circ}26'$ and longitude $114^{\circ}33'$. 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 $7\frac{1}{2}$ 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.

depth = $\frac{1}{2}$ strike = 2 miles = 10,560 feet

average thickness of bed = 9 feet

cubic feet per ton = 12 1.23 m³/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 men |
| 2. South from North Lost Creek | - 2 men |
| 3. North from South Lost Creek | - 4 men |
| 4. South Lost Creek | - 4 men |
| 5. South Lost Creek | - 2 men |
| 6. South from South Lost Creek | - 4 men |
| 7. North and South of Carbondale River | - 2 men |
| 8. North from Carbondale River | - 2 men |
| 9. South from Carbondale River | - 4 men |
| 10. South from Carbondale River & West
to North Kootenay Pass | - 4 men |
| 11. East from North Kootenay Pass | - 2 men |
| 12. Southeast from North Kootenay Pass
to Hollebeka Mountain | - 4 men |
| | <u>36 mandays</u> |

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
	<u>24 mandays</u>

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 mandays 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):

		<u>1972</u>	
Prospector	\$1000/mo.		
Assistant	550/mo.		
TOTAL	<u>\$1550/mo.</u>	12 days	\$ 715.38
Prospector	\$ 700/mo.		
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TOTAL	<u>\$1250/mo.</u>	6 days	288.46
		<u>1973</u>	
Prospector	\$1000/mo.		
Assistant	550/mo.		
TOTAL	<u>\$1550/mo.</u>	6 days	357.69
Geologist	\$1200/mo.		
Assistant	450/mo.		
TOTAL	<u>\$1650/mo.</u>	6 days	380.76

Geological Supervision:

1972 - 5 days @ \$1500/mo.	
1973 - 2 days @ \$1500/mo.	
7 days @ \$1500/mo.	346.15

Total 67 mandays
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%	<u>344.10</u>
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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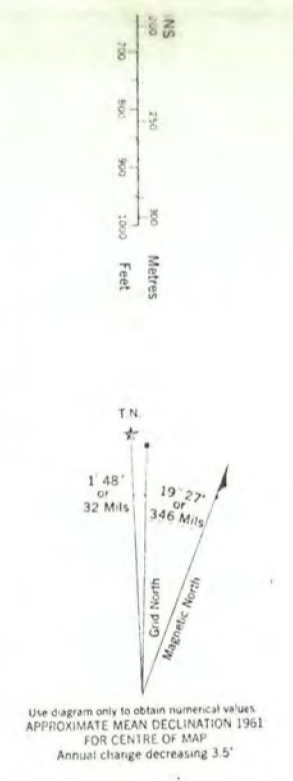
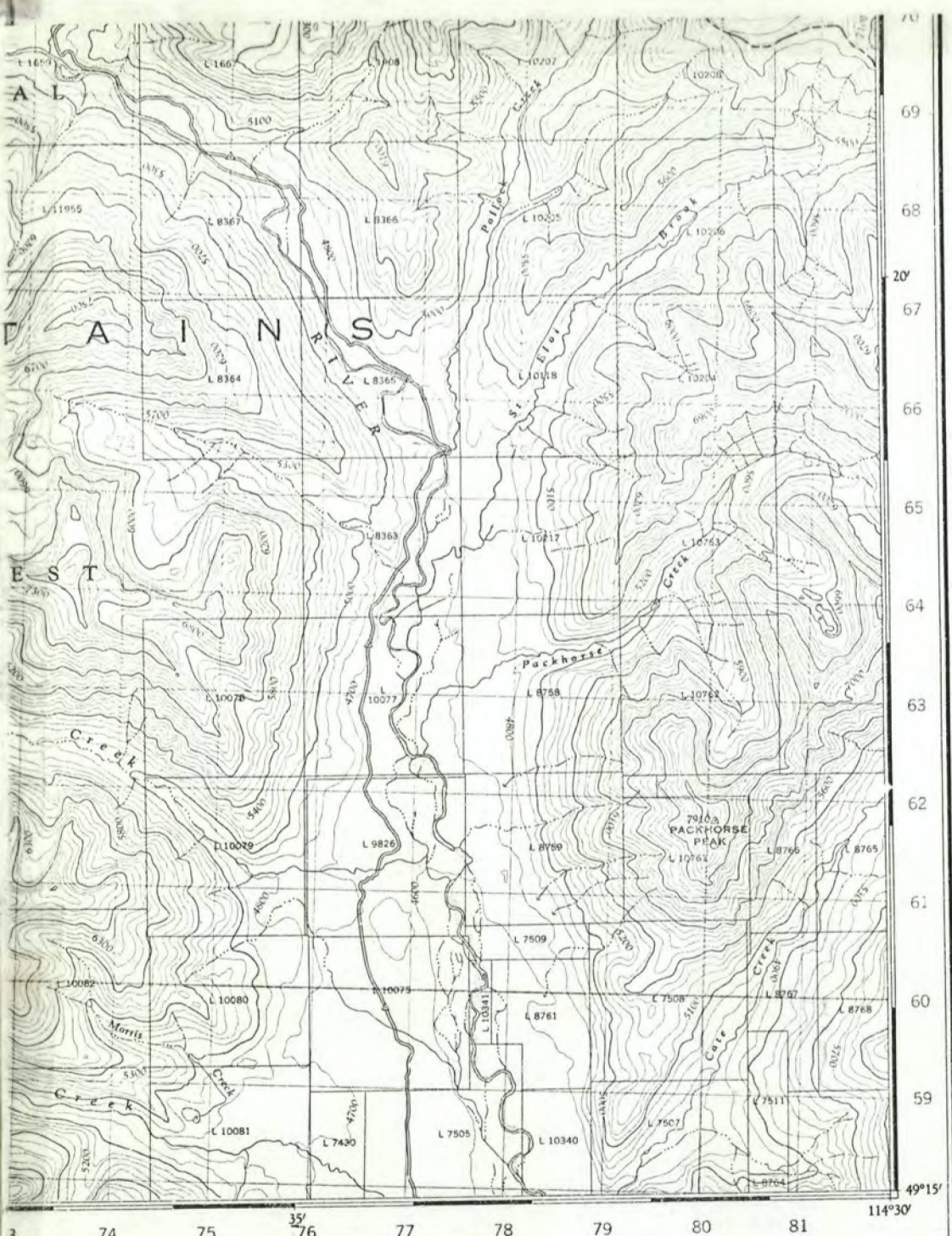
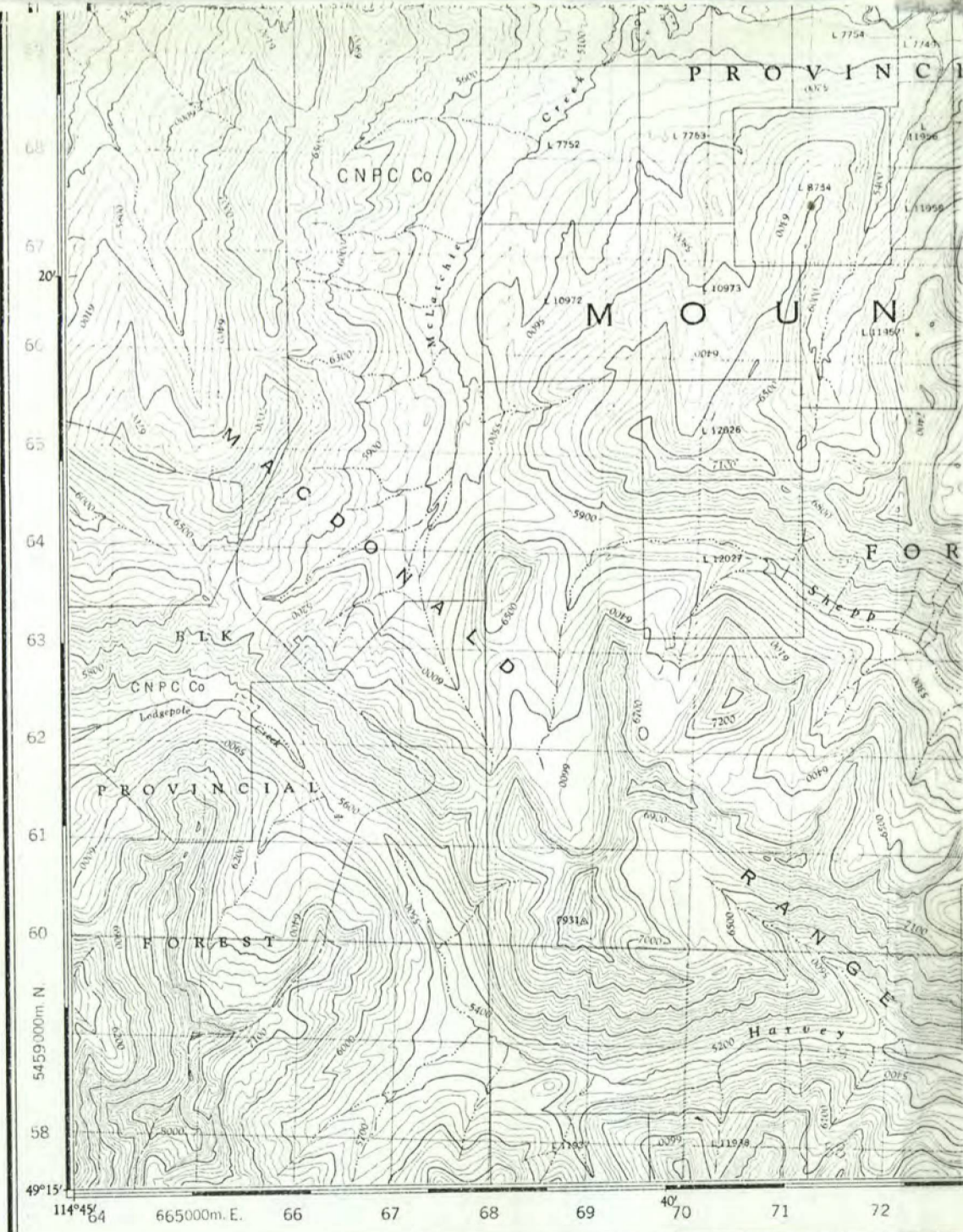
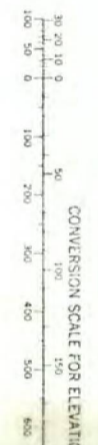
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Refer to 82 G/7 E
this map as: EDITION 1 ASE
SERIES A 721



----- 1972 Traverses (12)
- - - - - 1973 Traverses (6)



GRID ZONE DESIGNATION: 11U PE

TO GIVE A REFERENCE TO NEAREST 100 METRES

EXAMPLE: BRIDGE

EASTING: Road number on grid line immediately to left of point	71
Estimate tenths of a square from the line eastward to point	7
Estimate tenths of a square from the line northward to point	7
NEUTRONIC: Road number on grid line immediately to left of point	71
Estimate tenths of a square from the line northward to point	7
MILITARY GRID REFERENCE	712748

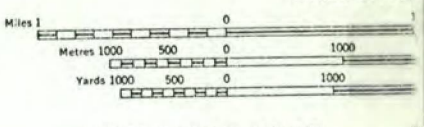
Nearest similar grid reference: 100,000 metres (about 62 miles)

ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 11

Produced and printed by the SURVEYS AND MAPPING
BRANCH, DEPARTMENT OF MINES AND TECHNICAL
SURVEYS, 1961, from air photographs taken in 1949.

UPPER FLATHEAD BRITISH COLUMBIA - ALBERTA WEST OF FIFTH MERIDIAN - EST DU CINQUIÈME MÉRIDIEN

SCALE 1:50,000



CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection
MAGNETIC DECLINATION 21°15' EAST
AT CENTRE OF MAP 1961
Annual change (decreasing) 3.5'

UNDISTANCE DES COURBES: 100 PIEDS
en pieds au-dessus du niveau moyen de la mer
au géodésique nord-américain unifié (1927)
Projection transverse de Mercator
DÉCLINAISON MAGNÉTIQUE AU CENTRE
DE LA FEUILLE EN 1961: 21°15' EST
Variation annuelle (décroissante) 3.5'

- Roads: loose surface, dry weather; cart track; trail or portage; Railway: normal gauge, single track; Power transmission line; Mine or Open cut; Horizontal control point, with elevation; Bench mark, with elevation
- Routes: de gravier, période sèche; de terre; au portage; Chemin de fer à voie unique; Ligne de transport d'énergie; Mine ou fosse à ciel ouvert; Point géodésique avec cote; Repère de nivellement avec cote

- Building: School; Church; Light house; River with bridge; Stream, intermittent or dry; Lake, intermittent, irregular; Marsh or Swamp; Depression contours
- Édifice: École; Église; Phare; Cours d'eau intermittent, no à sec; Lac intermittent, irrégulier; Marais ou marécage; Courbes de cote
- Barn; Post Office; Cemetery
- Grange; Bureau de poste; Cimetière

TABLEAU D'ASSEMBLAGE DU SYSTÈME DE RÉFÉRENCE CARTOGRAPHIQUE NATIONAL

82 G/11	82 G/10	82 G/9
PERHIE	CROWNSNEST	COMLEY
82 G/6	82 G/7	82 G/8
ELKO	UPPER FLATHEAD	BEAVER MINCK
82 G/3	82 G/2	82 G/1
WALDO	LOWER FLATHEAD	SAGE CREEK

INDEX TO ADJOINING SHEETS OF THE NATIONAL TOPOGRAPHIC SYSTEM

UPPER FLATHEAD 82 G/7 E

EDITION 1

73

88