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APPENDIX "A" TO THE
APPLICATION OF COLT RESOURCES
LTD. (N.P.L.) EXECUTED ON
APRIL 12, 1973.

#00025

REPORT ON THE
BANK 1-39 MINERAL CLAIMS,
YUKON TERRITORY AND
NORTHWEST TERRITORIES,
FOR COLT RESOURCES LTD. (NPL)

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MAPS

Property Location Map

1" = 80 miles

Property Location Map

1" = 4 miles

REPORT ON THE BANK 1-39 MINERAL CLAIMS,
YUKON TERRITORY AND NORTHWEST TERRITORIES,
FOR COLT RESOURCES LTD. (NPL)

January 31, 1973

Vancouver, B. C.

REPORT ON THE BANK 1-39 MINERAL CLAIMS,
YUKON TERRITORY AND NORTHWEST TERRITORIES,
FOR COLT RESOURCES LTD. (NPL)

INTRODUCTION

The Bank 1-39 mineral claims straddle the Yukon Territory - Northwest Territories boundary approximately 160 miles north of Watson Lake, Yukon Territory. They were staked in late 1972 to cover favorable geological features adjoining ground held by Canex-Placer Development following reports of a major zinc-lead discovery by those companies.

The writer has not examined the property in question and snow cover would obscure geologic features at this time. However, he is familiar with general operating conditions in the Yukon and the following report is based on this prior experience, and more directly, on a review of available maps and reports on the area plus discussions with people familiar with the region and recent mineral discovery.

LOCATION AND ACCESS

The property lies along the Yukon Territory - Northwest Territories border, approximately 160 miles north of Watson Lake, Yukon Territory. Co-ordinates of the group are $62^{\circ}35'$ north latitude, $129^{\circ}34'$ west longitude.

Access would be by fixed wing aircraft and helicopter from Watson Lake; Summit Lake, lying 16 miles south-southeast of the claim group being suitable for fixed wing aircraft. A smaller lake that may be suitable lies 3 miles southwest of the group.

PHYSIOGRAPHY

Elevations within the property vary from approximately 4100 feet to between 5000 and 5500 feet above sea-level. Topographic relief should be moderate throughout the group. Timber will be present in the lower portions but absent along the higher ridges.

Winters are long and severe with a heavy snowfall and preliminary surface exploration will be confined to the months of June through September. Water for exploration purposes should be available from several streams on the property.

PROPERTY

The property consists of the following 39 contiguous mineral claims located in the Watson Lake Mining District of the Yukon Territory and MacKenzie District of the Northwest Territories.

Bank 22-39 (Northwest Territories) Tag Nos. A49922-39

Bank 1-21 (Yukon Territory) Record Nos. Y71002-22

The writer has not conducted a title search of the above claims nor checked their location in the field.

HISTORY

Various companies and individuals have been engaged in prospecting and regional exploration of this portion of the Yukon Territory - Northwest Territories but prior to the Canex-Placer discovery no detailed investigations are known to have been carried out in the immediate area.

During the past year considerable staking has taken place and it is likely considerable exploration will be undertaken during the 1973 field season. To date, no exploration has been carried out on the Bank claims.

GEOLOGY

Regional mapping covering the area of interest has been conducted by the Geological Survey of Canada and published at a scale of 1 inch = 4 miles as Map 8-1967-Nahanni. This shows the area to be underlain by a broad northwesterly trending belt of Palaeozoic sediments intruded by occasional small granitic plutons.

Within the area of current interest these Palaeozoic rocks are divided into two units - units 7b and 18b as shown on the Geological Survey of Canada Map. The former is Upper Cambrian - Ordovician in age, the latter Devonian - Mississippian. The Ordovician units are described as mainly limy sediments - limestone, dolomitic siltstone, silty and sandy dolomite, and lesser quartzite while the Devonian - Mississippian units are described as shale,

argillite, sandstone, siltstone and chert.

Zinc-lead mineralization is reported to be widespread on the Canex-Placer property, the main occurrence lying near the eastern end of their claim group where mineralization has reportedly been found at various points over a strike length of 3 miles. Mineralization consists primarily of very fine-grained sphalerite with lesser galena conformable with the bedding of the shales and limy shales in which it occurs. These apparently belong to unit 7b, close to the contact with unit 18b. Additional float or in place mineral occurrences extend for several miles to the northwest, one other showing reportedly lying about one mile south of the Bank Group.

The regional mapping indicates that much of the Bank Group will be overburden covered with unit 7b present in the central and western portions. One contact with unit 18b, trending northwesterly, passes through or near the southwestern edge of the group, a second may pass through the northeastern portion.

CONCLUSIONS

Widespread zinc-lead mineralization is reported to occur on ground held by Canex-Placer Development approximately 160 miles north of Watson Lake in the Yukon Territory.

The mineralization consists of very fine grained sphalerite-galena occurring as a bedded deposit apparently within Ordovician (unit 7b) sediments near their contact with Devonian-Mississippian

(unit 18b) sediments. This lies within a broad northwesterly trending sedimentary belt of similar rock units.

Regional mapping indicates the Bank claims are largely overburden covered but underlain in part or wholly by unit 7b, probably in contact with unit 18b in or near the southwest and northeast portions of the group.

With deposits of this nature the potential for additional occurrences existing in the region under similar geological conditions is considered good.

RECOMMENDATIONS AND ESTIMATED COSTS

The following two stage exploration program is recommended to initially explore the Banks Group of Colt Resources Ltd. (NPL).

Stage 1

Obtain air photographs and conduct a regional study of the area of prime interest	\$ 500.00
Establish a grid over the claim group (200 x 400 foot spacing) approximately 44 line miles @ \$130/mile	5,700.00
Geological mapping and prospecting	3,200.00
Geochemical soil sampling-testing for lead and zinc	3,900.00
Mobilization, demobilization, aircraft	2,500.00
Engineering and supervision	<u>1,200.00</u>
	\$17,200.00
Plus 20% contingency	<u>3,400.00</u>
TOTAL STAGE 1	<u><u>\$20,400.00</u></u>

Stage 2

Dependent on favorable results being obtained in Stage 1, allowance should be made for the following detailed investigations initially in Stage 2.

Detailed grids (100 x 100 foot pattern), geological and geochemical surveys. Provide for possible 20 line miles	\$ 8,000.00
Allowance for trenching, pitting	3,000.00
Provision for possible 1000 feet diamond drilling (BQ) @ \$16/foot overall	16,000.00
Mobilization and demobilization - unless continuous with Stage 1	2,500.00
Engineering and supervision	<u>2,000.00</u>
	\$31,500.00
Plus 10% contingency	<u>3,100.00</u>
TOTAL STAGE 2	<u>\$34,600.00</u>
Total estimated costs if program carried to completion	<u>\$55,000.00</u>

Respectfully submitted by:

R.H.D. Philp, P. Eng.


January 31, 1973

Vancouver, B. C.

CERTIFICATE

I, Ronald H. D. Philp, of 107 - 325 Howe Street, Vancouver, British Columbia, do hereby certify that:

- 1. I am a registered Professional Engineer of the Province of British Columbia.
- 2. I am a graduate from the University of British Columbia (B.A. Sc. 1961).
- 3. I have practiced my profession since 1961 while employed with Caseco Consultants Ltd., Asbestos Corporation (Explorations) Ltd., Alrae Exploration Limited, and Agilis Exploration Services Ltd.
- 4. My report is based on a review of available maps and reports on the area plus discussions with people familiar with the area.
- 5. I have no interest, nor do I expect to receive any interest, either directly or indirectly, in the property described herein or securities of Colt Resources Ltd. (NPL) or any affiliate of that company.



 R.H.D. Philp, P. Eng.

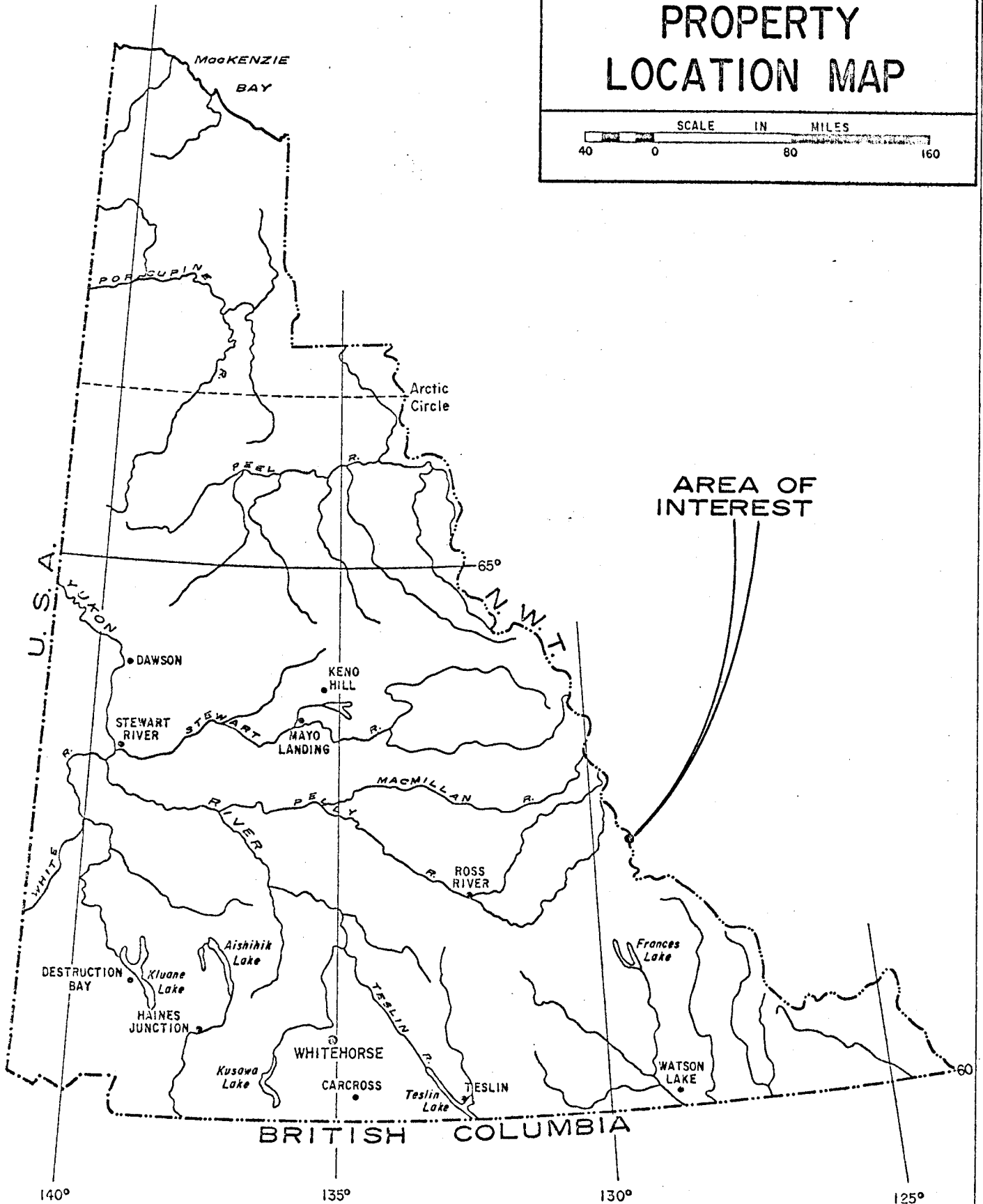
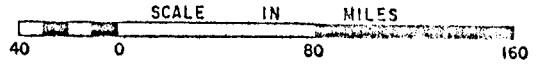
January 31, 1973

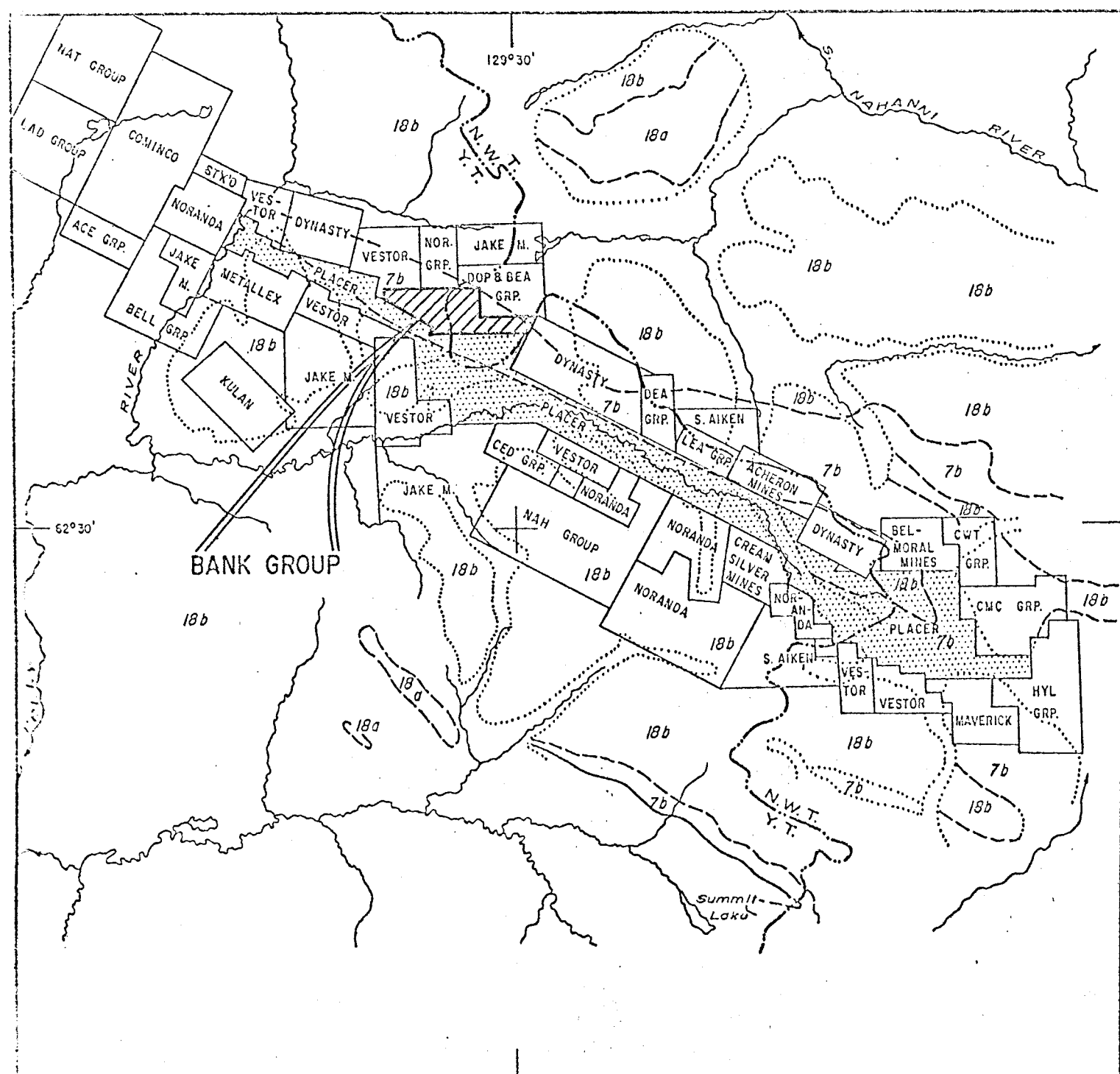
Vancouver, B. C.

YUKON TERRITORY

COLT RESOURCES LTD. (NPL)
BANK CLAIM GROUP

PROPERTY
LOCATION MAP





- Geological boundary
- 18a Chert pebble conglomerate
- 18b Black shale, argillite, minor stone, siltstone, chert, argilla limestone
- 7b Banded limestone, silty dolc

Location of claim blocks cannot be guaranteed accurate

COLT RESOURCES LTD. (NP)
 BANK CLAIM GROUP
 SOUTH NAHANNI RIVER AREA
**PROPERTY
 LOCATION MAP**
 YUKON & NORTHWEST TERRITORIES
 SCALE - 1" = 4 MILES JANUARY