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MINING DISTRICT:
TYPE OF WORK:

092013
WHITEHORSE
Prospectus

115 I 11

REPORT FILED UNDER: Alakon Metals Ltd

DATE PERFORMED:

DATE FILED: February 4, 1974

LOCATION: LAT.: 62°43'N

AREA: FORT SELKIRK

LONG.: 137°15'W

VALUE \$:

CLAIM NAME & NO.: MAC 1-36

POL 1-36

JIM 1-24

WORK DONE BY: A.F. ROBERTS

WORK DONE FOR: Alakon Metals Ltd.

DATE TO GOOD STANDING | REMARKS: #16 GRENIER

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A. F. ROBERTS, P.ENG.
CONSULTING MINING ENGINEER

#000024

REPORT ON THE

MAC 1-36, POL 1-36, JIM 1-24 MINERAL CLAIMS
MINTO AREA
WHITEHORSE MINING DISTRICT
YUKON TERRITORY

N.L. 62^o-43'

W.L. 137^o-15'

FOR

ALAKON METALS LTD (N.P.L.)
202-640 WEST HASTINGS STREET
VANCOUVER, BRITISH COLUMBIA

NOW

GOLD VALLEY RESOURCES LTD.

BY

A.F. ROBERTS, P.ENG.

FEBRUARY 4, 1974

VANCOUVER, B.C.

092013

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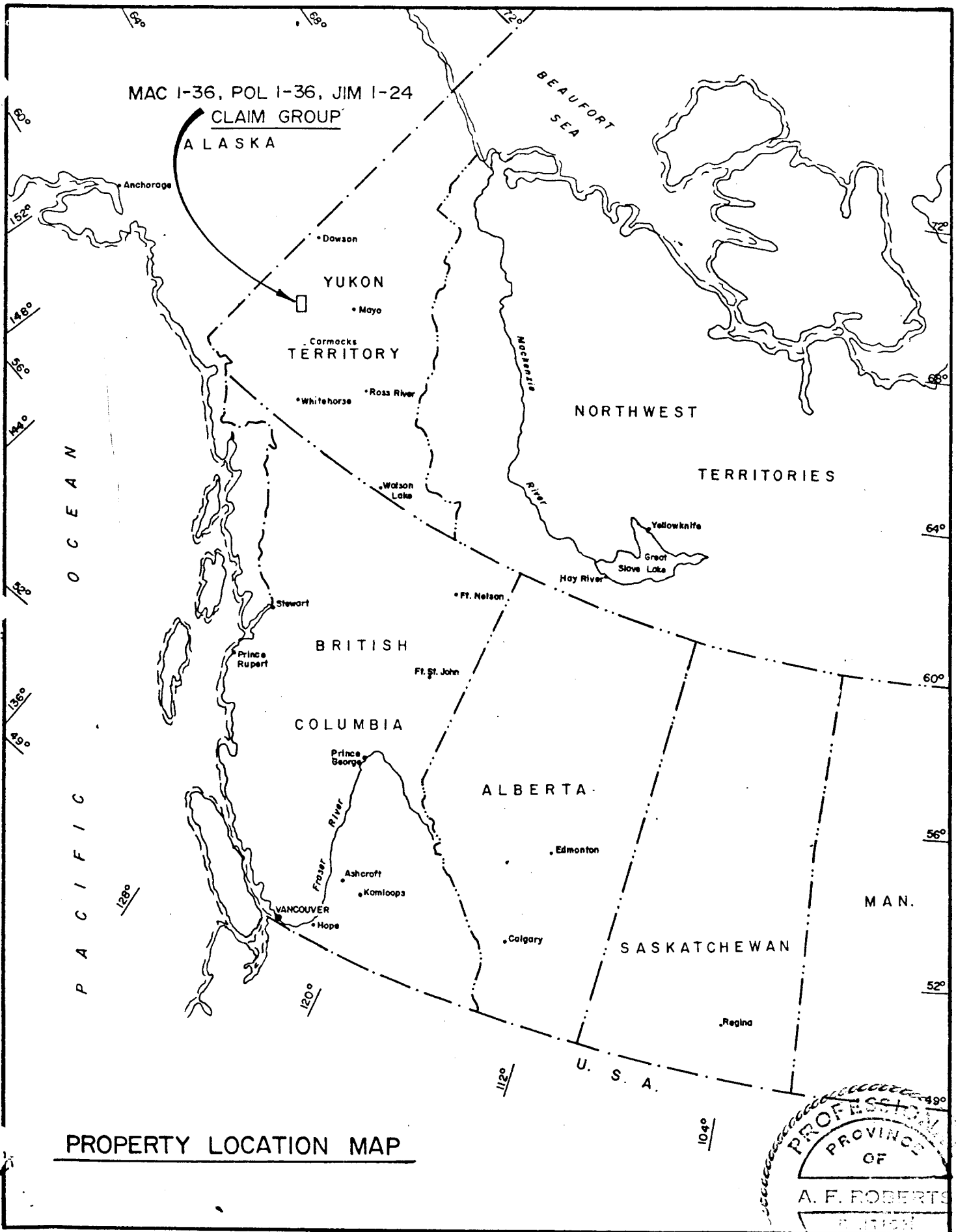
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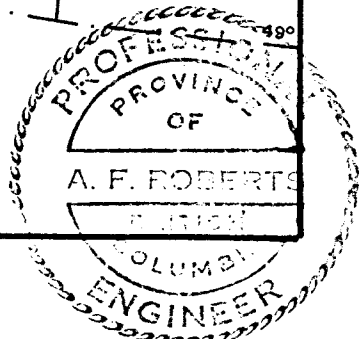
1) LOCATION MAP.....	Frontispiece
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REFERENCES

- 4) G.S.C. MEMOIR 189, CARMACKS DISTRICT, YUKON TERRITORY,
H.S. BOSTOCK, 1936
- 5) G.S.C. AEROMAGNETIC MAP 3314G, 1:63,360
G.S.C. GEOLOGY MAP 340A
TOPOGRAPHIC MAP 115-I-11 1:250,000
YUKON CLAIM MAP 115-I-11 1" = ½ mile



PROPERTY LOCATION MAP



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SUMMARY

Limited prospecting in the past located magnetite and a strong geochemical anomaly within the claim group.

A strong magnetic anomaly overlies the group.

Although most of the group is overlain by overburden, phases of the granitic complex occur on the west bank of the Yukon River at the west side of the property. This is believed to be the same age, although lithologically different to the rocks on the Silver Standard property.

Structurally, the Yukon River is believed to occupy a major fault.

Therefore, on the basis of the available data, it is believed that this property is a good bet for finding an economic deposit of copper mineralization.

The recommended exploration program is estimated to cost \$17,300.00.

If successful, this limited first stage would be expanded to cover the balance of the claims.

Respectfully submitted,



A. F. Roberts, P. Eng.

INTRODUCTION

This report is authorized by Alakon Metals Ltd. (N.P.L.). Its purpose is to review all available data concerning the property and the area, and if deemed worthy, recommend an initial exploration program.

The data was derived from published sources, as referred to in the text, and personal communications.

LOCATION, ACCESS, TOPOGRAPHY 1) 2)

The ninety-six claims comprising the group lie about twelve miles north of the Minto airstrip on the east side of the Yukon River.

They lie along and over the river to cover the northern portion of the Ingersoll Islands.

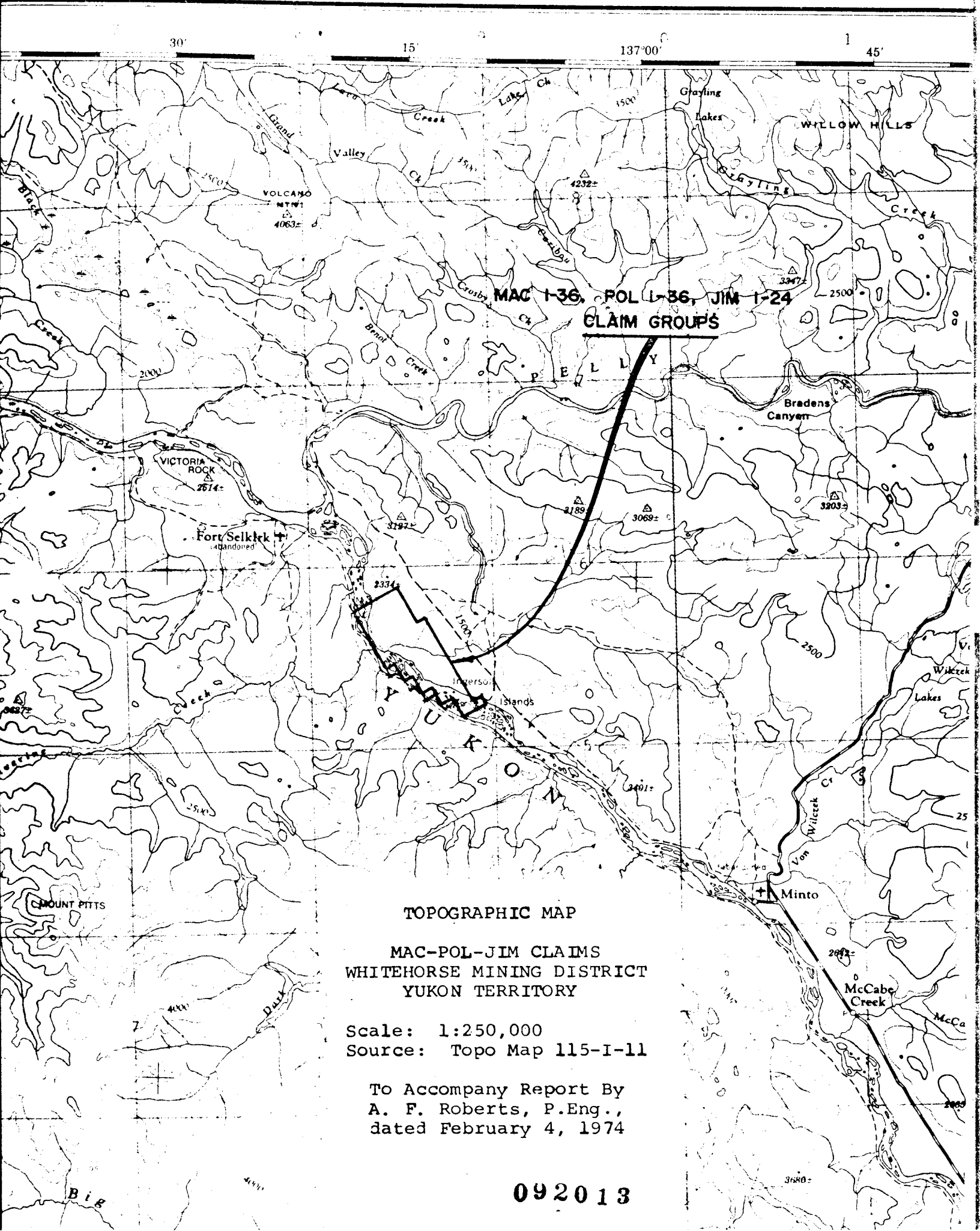
Generally, the topography is flat with low hills on the MAC and POL claims. The elevations range from 1500 to 2300 feet above sea-level.

Overburden is generally sand, gravel and loam overlain by volcanic ash.

Vegetation is mostly second growth, non-commercial aspen, poplar, black spruce and pine.

- 1) Location Map
- 2) Topographic Map 1:250,000

Frontispiece
Follows Page 1



TOPOGRAPHIC MAP

MAC-POL-JIM CLAIMS
 WHITEHORSE MINING DISTRICT
 YUKON TERRITORY

Scale: 1:250,000
 Source: Topo Map 115-I-11

To Accompany Report By
 A. F. Roberts, P.Eng.,
 dated February 4, 1974

The old Whitehorse - Dawson road traverses the group permitting the use of 4-wheel drive vehicles from the Minto airstrip.

Alternatively, access can be made by canoe or small boat along the east side of the river.

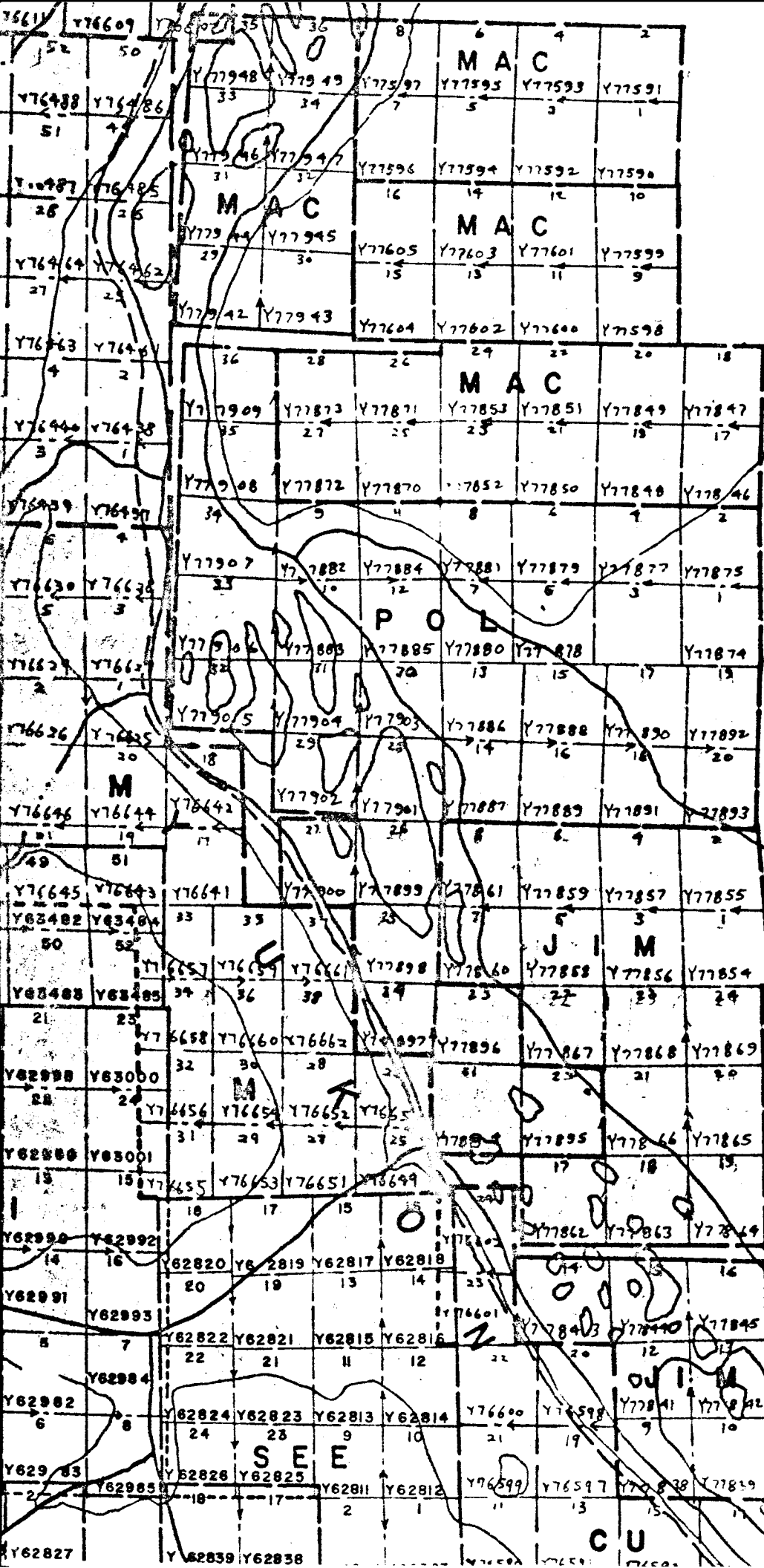
CLAIM GROUP³⁾

Examination of the Form "B's" for the property supplies the following data:

<u>CLAIM NAME</u>	<u>GRANT NUMBER</u>	<u>STAKER</u>	<u>DATE RECORDED</u>	<u>RECORDED HOLDER</u>
MAC #1 to 8 incl.	Y77590- Y77597	A. Arsenault	Oct. 22/73	A. Arsenault
MAC #9 to 16 incl.	Y77598- Y77605	P. Versluce	Oct. 27/73	P. Versluce
MAC #17 to 24 incl.	Y77846- Y77853	Terry Miller	Nov. 5/73	Terry Miller
MAC #25 to 28 incl.	Y77870- Y77873	Chris Henry	Nov. 5/73	Chris Henry
MAC #29 to 36 incl.	Y77942- Y77949	Steve Sersli	Nov. 5/73	Steve Sersli
POL #1 to 8 incl.	Y77874- Y77881	Leo F. Wood	Nov. 5/73	Leo F. Wood
POL #9 to 12 incl.	Y77882- Y77885	Chris Henry	Nov. 5/73	Chris Henry

3) Claim Map

Follows Page 2



P L A N

MAC Claims 1-36
 POL Claims 1-36
 JIM Claims 1-24

Scale 1" = 1/2 mile

Yukon Claim Sheet 115-I-11

January 18, 1974



<u>CLAIM NAME</u>	<u>GRANT NUMBER</u>	<u>STAKER</u>	<u>DATE RECORDED</u>	<u>RECORDED HOLDER</u>
POL #13 to 20 incl.	Y77886- Y77893	John McGundy	Nov. 5/73	John McGundy
POL #21 to 28 incl.	Y77894- Y77901	Danny Roberts	Nov. 5/73	Danny Roberts
POL #29 to 36 incl.	Y77902- Y77909	Peter Isaac	Nov. 5/73	Peter Isaac
JIM #1 to 8 incl.	Y77854- Y77861	Johnnie Charlie	Nov. 5/73	Johnnie Charlie
JIM #9 to 16 incl.	Y77838- Y77845	Emma Shorty	Nov. 5/73	Emma Shorty
JIM #17 to 24 incl.	Y77862- Y77869	George Shorty	Nov. 5/73	George Shorty

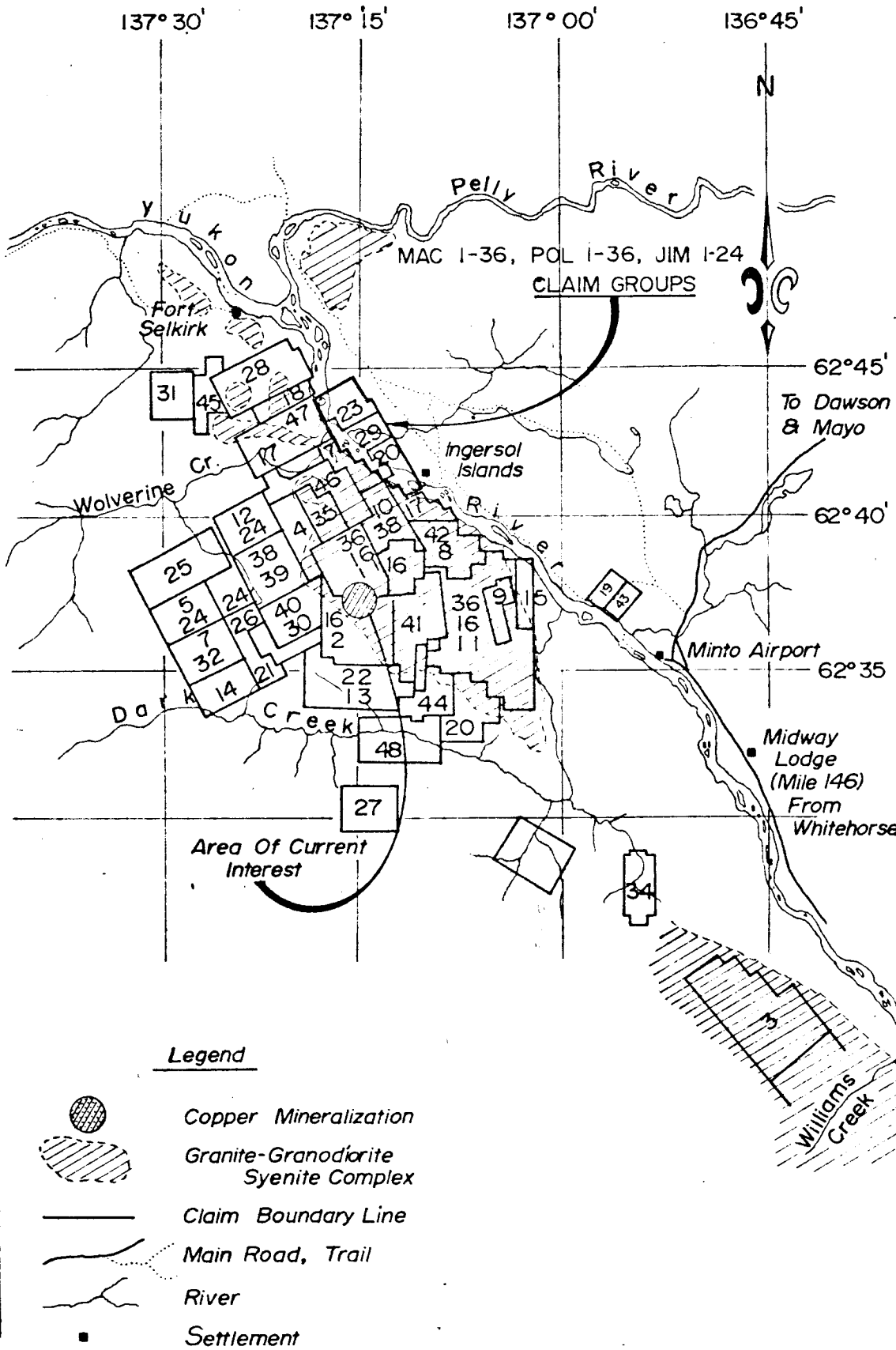
The transfer records were examined at the Company's records office and are in good order.

No opinion on the exact location, nor on the actual area covered by the claims can be given without a legal survey.

HISTORY 4)



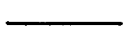



The Yukon River was the major travel artery for the Yukon in earlier years for trappers and placer miners prospecting the creeks of the area.

- 4) G.S.C. Memoir 189, Carmacks District, Yukon Territory, H.S. Bostock, 1936.



- 1 Apri Group
- 2 American Smelting
- 3 Bay Group
- 4 Black Giant Mines Ltd.
- 5 Blue Group
- 6 Ben Group
- 7 Brendon Res.
- 8 Bow River
- 9 Coin Group
- 10 Consol. Str'd
- 11 Canadian Superior
- 12 Colt Group
- 13 Dark Group
- 14 Feb Group
- 15 Fed Group
- 16 Falcon Bridge Nickel
- 17 Fromme Gp. (Wo, M, Cu)
- 18 Fox Group
- 19 Hank Group
- 20 Jim Groups (2)
- 21 Jan Group
- 22 Klondike Expl.
- 23 Mac Group
- 24 Mintonia Devel.
- 25 Mollye Group
- 26 Mar Group
- 27 Norwich Res.
- 28 O Group
- 29 Pol Group
- 30 Pinnacle Mines
- 31 Pin Group
- 32 Red Group
- 33 Silver Standard
- 34 Tim Group
- 35 Tay River
- 36 United Keno Hill
- 37 Vargas & Colt Res.
- 38 Wain Group
- 39 Wainoco Oils & Min.
- 40 Yukon Gold
- 41 Dawson Range Syn.
- 42 Northair Mines
- 43 Phil Group
- 44 Ir Group
- 45 Win Group
- 46 NRD Group
- 47 Wo Group
- 48 Dynasty Expl.

Legend

-  Copper Mineralization
-  Granite-Granodiorite Syenite Complex
-  Claim Boundary Line
-  Main Road, Trail
-  River
-  Settlement

MINTO CLAIMS MAP
 YUKON TERRITORY
 Scale: 1 inch = 5 Miles (Approx)

Drawn from information believed to be reliable but not guaranteed.
 Geology G.S.C. Carmacks 340-A. Drafted by 2 HANDS +.

January 1974

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The first mapping of the river was a route map by Frederick Schwatka for the U.S. Army in 1883.

In 1887 Wm. Ogilvie surveyed the route of the river from Lake Linden to the 141st meridian. In the same year G.M. Dawson descended the Pelly River and went up the Yukon River. Dawson's maps and notes are the first geological information of the district.

R.C. McConnell, in 1888, passed through the district, up the Yukon, and supplied the first information on the geology below Selkirk.

H.S. Bostock, in 1932, 33 and 34, mapped the area with his work resulting in Memoir 189 and Map 340A.

The Geological Survey of Canada flew an airborne magnetic survey in 1964-1966. ⁵⁾

Recently, prospecting by Silver Standard Mines Ltd. revealed a strong geochemical anomaly about 6 miles south of the MAC, POL and JIM group. Their work resulted in several major companies and many smaller ones acquiring adjacent ground. ⁶⁾

United Keno Mines Ltd. diamond drilled near their boundary with Silver Standard after an encouraging geochemical, magnetometer survey combined with geological mapping.

The work of these two companies appears to have located a major orebody.

5) G.S.C. Aeromagnetic Map 3314G, 1:63,360

6) Minto Claim Map

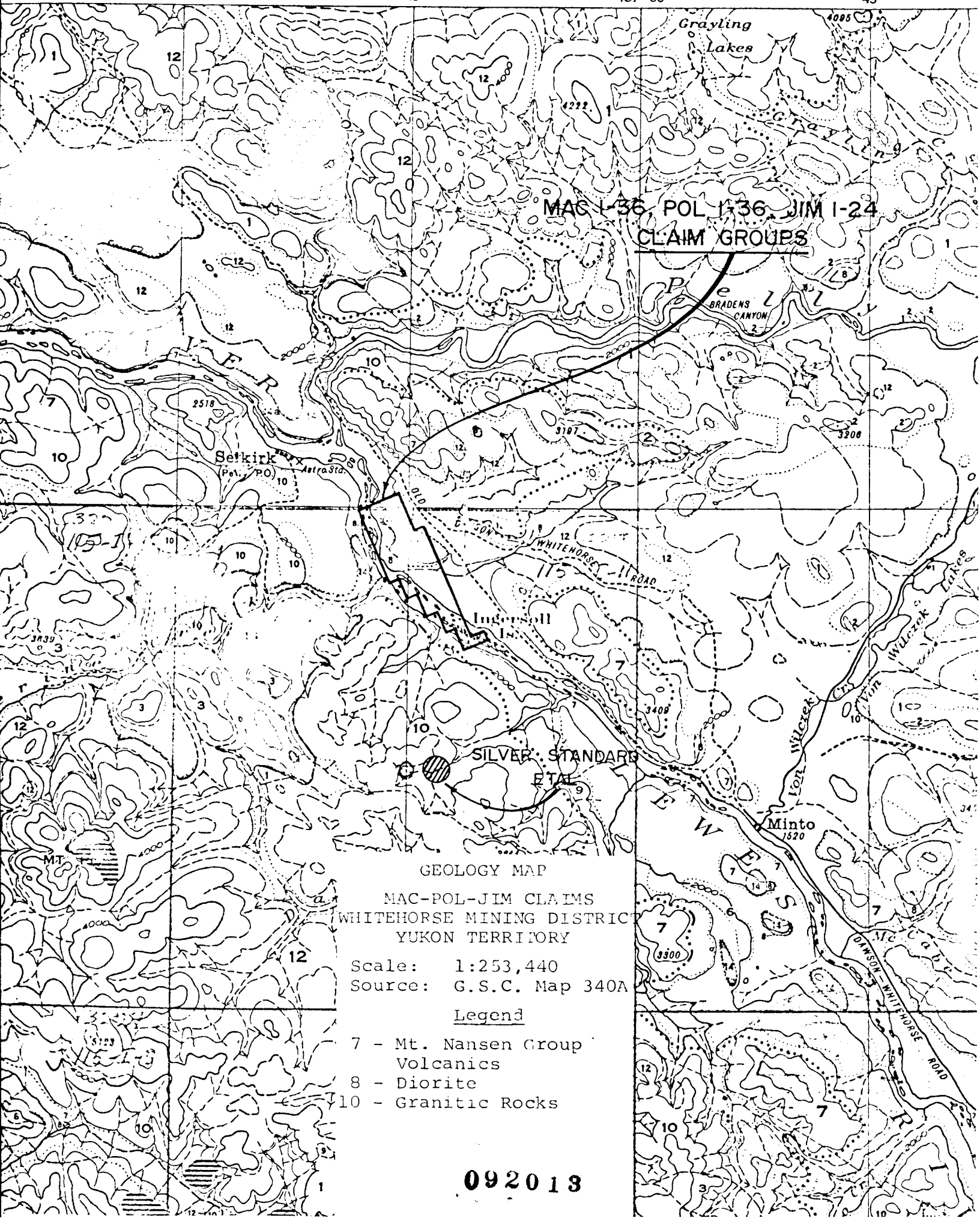
Follows Page 3

30'

15'

137° 00'

45'



MAG 1-36, POL 1-36, JIM 1-24
CLAIM GROUPS

GEOLOGY MAP

MAC-POL-JIM CLAIMS
WHITEHORSE MINING DISTRICT
YUKON TERRITORY

Scale: 1:253,440
Source: G.S.C. Map 340A

Legend

- 7 - Mt. Nansen Group
Volcanics
- 8 - Diorite
- 10 - Granitic Rocks

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It is interesting to note that a moderate magnetic anomaly overlies the Silver Standard - United Keno ore zone.

On the MAC - POL - JIM group there is evidence of line cutting ten to fifteen years ago. This is on the MAC 11, 13, 21-24 and the POL 5-8 claims.

A personal communication supplies the information that, using one of the old field kits, a large geochemical anomaly was detected on these claims, and magnetite was found in the rocks in MAC 27-30.

This magnetite probably accounts for the strong magnetic anomaly overlying these claims.

GEOLOGY 7) 8)

Basic volcanics on the north west part of the claim group are believed to belong to the Selkirk Group (14). They are flat lying, and vary in composition from basalt to andesite with associated fragmental rocks.

Phases of the Jurassic granite complex (9, 10) gneissic in character are found along the west boundary of the Yukon River, which forms the west boundary of the claim group. Their texture is medium to coarse grained, and may be of more than one age. Numerous dikes of aplite and pegmatite have been noted. The gneissoid structure in some phases of the granite complex appears to have been unevenly developed as in some areas it is definitely foliated.

- 7) Geology Map 1:253,440
- 8) Magnetic Survey Map (Dark Creek)

Follows Page 4
Follows Page 5

On the Silver Standard group the important host rock appears to be a flat lying augen gneiss. As previously noted, magnetite has been found on the MAC claims. The aeromagnetometer survey shows a strong magnetic anomaly underlying the claim group with two positive magnetic poles about $3\frac{1}{2}$ miles apart.

Structurally, the Yukon River is considered to be the locus of a major fault, associated with the Tintina Trench, trending north west through the Yukon Territory.

CONCLUSIONS

The presence of a geochemical anomaly as verbally reported, the presence of magnetite, a strong magnetic anomaly and a strong structural "break" are all positive elements for the existence of a body of economic mineralization.

RECOMMENDATIONS

- 1) Establish a grid with a northwest - southeast baseline centred between MAC 5, 11 claims, through POL 7-5 claims. Lay off a 200 x 100 foot grid over the claim group.
- 2) Run a magnetometer - geochemical survey over MAC 5, 11, 21-24 and POL 5-8 claims.
- 3) With #2 completely map the geology of the claims on a 200 scale map.
- 4) Mound and tag all the claim posts.

5) If the above program is successful, then expand the surveys to cover the balance of the property.

NOTE:-

- a) At least one soil profile should be run on each grid line, on a random pattern. Depth of the profile will be left to the judgment of the engineer in charge, but is expected to be at least five feet.

- b) All soil samples must be taken below the volcanic ash layer, and a record kept of the type of soil analyzed.

- c) Due to conditions known, and to be expected, an auger will be required and extreme care must be taken to secure proper, uniform samples.

ESTIMATED COSTS

1)	Camp	\$ 1,000.00
2)	Grid layout \$50/linemile x 96 miles	4,800.00
3)	Magnetometer survey, geochemical sampling \$125/linemile x 20 miles	2,500.00
4)	Assaying 1000 samples x \$1.25/sample	1,250.00
5)	Geological mapping	2,500.00
6)	Mound and tag posts	1,000.00
7)	Engineering, surveying	2,000.00
		<hr/>
	SUB-TOTAL:	\$15,050.00
	15% CONTINGENCIES:	2,250.00
		<hr/>
	TOTAL:	\$17,300.00
		=====

Respectfully submitted,



A.F. Roberts, P.Eng.

February 4, 1974

A. F. ROBERTS, P.ENG.
CONSULTING MINING ENGINEER

CERTIFICATE

I, A.F. ROBERTS, of 812 Faribrook Crescent, Richmond, B.C., do hereby certify that:

- 1) I am a graduate of the University of British Columbia (B.Ap.Sc.) in Mining Engineering, 1951.
- 2) I am a registered Professional Engineer of the Province of British Columbia, and am a member of The Canadian Institute of Mining and Metallurgy.
- 3) I have practiced my profession since 1951 with Quatsino Copper Gold Mines Ltd., Giant Mascot Mines Ltd., Cochenour Willans Gold Mines Ltd., Mogul Mines Ltd., Kerr Addison Gold Mines Ltd., Atlantic Coast Copper Corporation Ltd., Wasamac Mines Ltd., Brenda Mines Ltd., and T.C. Explorations Ltd. Since January of 1970, I have been an independent Consultant.

Previous to, and during University, I worked as a miner underground, and on several exploration-development projects.

- 4) The accompanying report is based entirely on my personal analysis of the reports, and other data referred to in the text, and in Company files.
- 5) I have no interest, direct or indirect, in the shares or other securities of Alakon Metals Ltd. (N.P.L.) nor in the MAC-POL-JIM claims. I do not expect to receive any interest, direct or indirect, in the shares of the Company, in its securities, or in any company with which it may become associated.
- 6) I consent to the use of this report in, or in connection with, a prospectus, or a statement of material facts relating to the raising of funds for this project.

DATED at Vancouver, British Columbia, this 4th day of February, 1974.


A. F. ROBERTS, P. ENG.

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