

INTER OFFICE MEMO

014915

CYPRUS EXPLORATION CORPORATION LTD.
VANCOUVER OFFICE

Date: March 26, 1969

March 31/69

To: Mr. D. W. Tully

From: Mr. J.B.P. Sawyer *← Thanks*

Subject: 1. Hudson's Bay Tom Group *Please file*

2. Assessment - South Anvil Area

1. On the attached 1:250,000 topographic map, 105-0, Niddery Lake, I have indicated the approximate outlines of the Hudson's Bay "Tom" Claim Group. The area in which the most recent diamond drill program was carried out, and location of the airstrip are also indicated. The diamond drilling has been in a difficult area, fairly high on the side of the valley. The main camp is on Jeff Lake, some distance to the southwest of the drill site.

The Territorial Government is going to extend the useable portion of the Canol Road at least as far as the orebody, in 1969. I understand that Hudson's Bay are not planning an extensive program this year, but are waiting until the road is finished and will go underground next year.

I have also indicated on the Niddery Lake map the approximate location of the Amax Judy (?) Claim Group on which their tungsten prospect is located.

The above information was obtained on March 25th from Bob Cathro and Al Archer during a visit to their office.

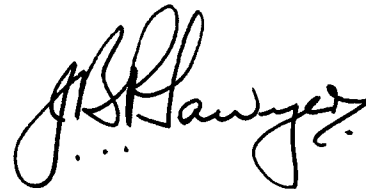
2. I also spoke with Archer & Cathro about the various claim groups - Kirk, Al, Fargo, Pix, Doll, Doe, Casca, Jess, El Pino, and Ann (List Attached) which J.G. Hansen had requested information on earlier, and on which you had checked the records in Whitehorse. The only claims which they considered might have any interest at all are the Kirk, Al, and Fargo. This is the old Munster Mines property on which lead-zinc-silver mineralization, probably veins, occurs. I understand that these claims

are now under control of a new group and that P.H. Sevensma has been looking after the most recent work on them. These claims lie south of the Tintina Fault and are not really part of the Anvil area.

The various claim groups held, or formerly held, by Val Tina Mines (B.I. Nesbitt) have no merit as locations of base metal deposits. Archer and Cathro "helped Nesbitt spend the money" on these groups.

Cathro says the El Pino group is still held by Citation Explorations, though he doesn't know why. Citation apparently have a representative in Vancouver located on the second floor of the Bentall Centre.

Archer & Cathro have no information on the Ann claim group.

A handwritten signature in black ink, appearing to read "J.S. Sawyer". The signature is written in a cursive style with a large initial "J" and "S".

JBPS/jel

Attachment

9/2/70.

Helen takes Topo.

Stew Blussen

Glenn,

Would you go through
our data (very limited) on this area,
& get up to date claim map etc, & compile
it all, please?

GSC programme on rock geochem. (Bob Garnett)
in 1970 season may include this area.

Ahh SO FAR.

GLENM

MEMORANDUM

TO: J. B. P. Sawyer

February 6, 1970
22-CLV

FROM: C. A. Mark

SUBJECT: Hudson Bay Mining & Smelting Co. - Tom Claim Group
in the Yukon, Canada

As you recall from our regional geologic-geophysical study of last year, the Tom Claim area was earmarked for a more complete study at a later date (see sheet 105-0/1 Geophysical Paper 4360). At the time, we had reports of the increase in size of their reserves but lacked property studies of the district.

Would you make a complete study of the status of your information to date on this district with the idea in mind of a review and updating of the data. It appeared to me at the time that we might be able to establish a property position and evaluate the immediate area surrounding their claim block.

I would appreciate your review and comments on such a program in the near future.



C. A. Mark

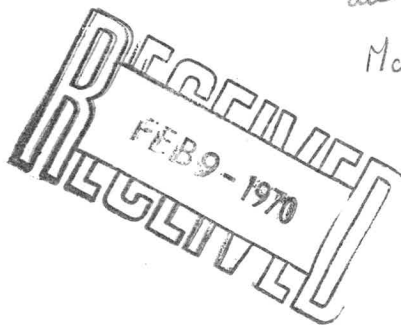
CAM/pc

Geochem 70.

*scheduled area Canada Turqstan - Mayo - Potatoe Hills
all granitic stocks w of Tinkia Trench -
Mayo area 1st priority.*

*Area extends to McMillan Pass & includes
Middlerby lake area.*

*1969 orientation survey by Bob Garrett
both in Amara Turqstan claims nr. McMillan -
and Mt. Allen. ic area of interest.*





AMAX JUDY CLAIMS
(CANCELLED.)

PAT BETTY
BORDER - ARCHER-CATHCO ASS.

TOM GP - HUDSONS BAY

DRILL
SITES

BEN

Contour interval 500 Feet
Elevations in Feet above Mean Sea Level

Copies may be obtained from the Map Distribution
Office, Department of Mines and Technical Surveys,

134° 132° 130° 128°
65° 106C 106B 106A 65°





Department of Energy, Mines and Resources
Ministère de l'Énergie, des Mines et des Ressources

*Geological Survey of Canada
Commission géologique du Canada*

*File Number
N° à rappeler*

601 Booth Street,
Ottawa 4, Ontario,
March 4, 1970.

Mr. J. G. Simpson,
Cyprus Exploration Corporation, Ltd.,
510 West Hastings Street,
Vancouver 2, B. C.

Dear Glenn:

I apologise for my delay in replying to your letter of February 16. I will be going down to Toronto on the Monday and will be staying in the Royal York until Wednesday noon. The work that I have done in the Selwyns is in fact rock geochemistry along the lines of a regional geochemical survey of the acidic plutonics northeast of the Tintina Trench. The ultimate aim being to tie features of the geochemistry to our knowledge of the metallogenesis. In any case, I look forward to discussing the area with you either in Toronto or afterwards back here in Ottawa.

Yours sincerely,

Robert G. Garrett

RGG:rc

INTER OFFICE MEMO

CYPRUS EXPLORATION CORPORATION LTD. VANCOUVER OFFICE

Date: March 20, 1970

To: C. A. Mark

Ref. 155-CVL

From: J. G. Simpson

Subject: REVIEW OF THE McMILLAN PASS AREA, YUKON,
HUDSON'S BAY MINING AND SMELTING TOM CLAIM GROUP,
AMAX MACTUNG PROPERTY, ETC

INTRODUCTION

In response to your memo (22-CLV) of February 6th, the above area has been studied with the object of updating general information.

In general terms there is little available on the regional or detailed geology in the McMillan Pass area and information on specific claim holdings is only available from short published summaries dating back to 1968 work, all additional information being verbal and unconfirmed. Access to the area has recently been improved by the opening and upgrading of the Canol Road which is now negotiable from Ross River to the N.W.T.-Yukon border at McMillan Pass.

The area is of interest both for scheelite and lead-zinc deposits in a northwest trending belt of Cambrian rocks. The Geological Survey of Canada proposes to include the area in reconnaissance rock sampling program, which is designed to test all known plutons in a wide belt extending from Mayo to McMillan Pass and south to the Cantung scheelite property. This work is designed to establish geochemical criteria to distinguish plutons likely to be associated with economic mineralization.

Included with this review are aeromagnetic maps of the general area showing the latest claim status, a copy of a generalized geological map on scale 1" = 40 mi., and a 1:500,000 plot of all known plutons in the belt extending from Mayo to McMillan Pass. The only additional information on geology likely to be forthcoming in the near future, is an advance copy of the revised Yukon map which is at present being prepared by the Geological Survey in Ottawa.

CLAIMS

H.B.M.S. TOM group

Additional claims were added and subsequently dropped on the south and southwest boundary of the original TOM group staking by H.B.M.S., from 1968 to 1969. The STAR group of 32 claims adjoining the east-central boundary of the TOM group is owned by Spartan Explorations Limited who, in 1968, also staked the BEE group situated well to the east. The BEE claims have since been relinquished.

Amax-Mactung Property

The original JUDY claims making up the Mactung property are now invalidated, but the area was restaked in 1969 by Archer, Cathro & Associates on behalf of Amax as the PAT, BETTY, and BORDER groups.

Other Claims

Two small groups of claims were staked to the southeast and south of the TOM claims in 1968. The BEN group of 6 claims is situated a few miles southeast of the Amax property, over a small aeromagnetic high and has now been relinquished. Some 20 miles to the south of the TOM claims, the 8-claim TARA group is assumed to be staked over a small Pb-Zn showing known to W. McKinnon. A group of 50 claims known as the NOM group is situated some 10 miles southeast of the TARA group. This last group is of recent origin and the ownership and reason for staking has yet to be established.

GEOPHYSICS

Apart from the Government aeromagnetic maps, no other data is available. A magnetic "low" indicated by C. Mark as being of interest was covered by the western extent of the JUDY claims on the Mactung property and is now almost completely covered by the PAT, BETTY and BORDER claims resulting from the restaking. Lows of similar character exist in the general area, however, these are difficult to assess in the absence of even reconnaissance geological maps.

GEOCHEMISTRY

As indicated, the general area is scheduled to be covered by the Geological Survey of Canada's rock sampling program headed by Dr. Bob Garrett. Discussions with Garrett indicate that the object of the exercise is to distinguish metalliferous and non-metalliferous plutons using statistical methods on associations of up to ten or more elements. Orientation surveys to date indicate that the method may have application in the area, but no significant detail indicating prospective targets is available.

Spartan Explorations carried out a program of silt sampling in the McMillan Pass area in 1969. This work indicated high backgrounds in molybdenum and copper, which according to Garrett originates from a sequence of phyllites in the area which are unusually high in these elements. The possible effects of plutonic action on this material gives food for thought. It was further indicated that Spartan Explorations did not carry out any statistical analyses of these results, which on first appraisal may have been puzzling in view of the high moly-copper backgrounds.

It has also come to our attention that Geophoto Explorations Limited of Vancouver also carried out work in this area. It is the opinion of the Government Officer and also Mr. Sawyer that work carried out by this organization is unlikely to be reliable.

The Company has good relations with Dr. Garrett, and it will be possible to keep well-informed of the progress of the Survey's work. It is further suggested that, if the area is considered as a potential reconnaissance project, the Spartan information may well be available for purchase on reasonable terms, and that the data should be subjected to statistical analyses by a competent geochemist.

INDIVIDUAL PROSPECTS

TOM Property

The latest published information on the TOM property is included in the 1968 report of the Geological Survey on The Mineral Industry of Yukon Territory and Southwest District of MacKenzie, Paper 68-65. Excerpts from this paper are enclosed. In addition to this information, it is known that drilling was carried out in the area in 1969. Unconfirmed tonnage estimates indicate ten million tons in the region of 7% combined metals, and some 7 million tons in the region of 10% combined metals. These figures are largely guesstimates, but it is understood that H.B.M.S. are seriously considering bringing the property into production in the foreseeable future.

STAR Group

Little is known of development on these claims, but it is understood that Spartan carried out exploration work in 1968 and 1969. Spartan's BEE group of 16 claims located some four miles southeast of the TARA group was staked in 1968 to cover a pyrrhotite/pyrite bearing skarn at a granodiorite contact. The claims were subsequently dropped as being of no economic interest.


AMAX-MACTUNG Property

In addition to the information contained in the enclosed copy of the Survey report, it is understood that Amax consider possibly 10 million tons of about 0.5% W_o_3 , and that considerable further drilling is planned for the 1970 field season. The restaking of the claims was necessitated by inaccuracies in the placement of the Northwest Territories- Yukon border on existing maps, which invalidated a number of the original JUDY claims. The new staking has rectified the situation and incidentally, centres squarely on the magnetic "low" indicated as being of interest by C. Mark.

CONCLUSIONS

The opening of the Canol Road and presence of Cambrian and particularly Lower Cambrian rocks are considered by the Resident Government Geologist in the Yukon to make this area of more than average interest. It is suggested that the Lower Cambrian is a locus for lead-zinc mineralization in this area, and there is a good possibility of deposits other than the TOM claims being discovered. The presence of scheelite in near economic amounts on the Amax property, and the widespread distribution of scheelite in the general vicinity, coupled with high moly-copper backgrounds suggests that plutonic contacts in the general area would be worthy of further investigation by reconnaissance methods.

It is considered that if the Spartan silt sampling data can be acquired at a reasonable cost, this should be done and statistical methods of analysis applied. This type of investigation combined with the information from the Geological Survey rock sampling program should place the Company in a good position to assess the area for staking targets in the 1970 and 1971 seasons. This could be combined with a reconnaissance silt sampling program based on areas of plutonic activity showing features of magnetic or known geological interest. Computer analysis on the aeromagnetic data may also be considered in the light of the present pluton plot and the likely availability of a geological reconnaissance map in the near future.



JGS/jel

Encls.

