

92I
Property Submitted

Maggie - file please

810705

To: A. E. Aho
J. S. Brock
December 1970

From: R. W. Nusbaum

Subject: Maggie Mine Area, Property Submitted of R. W. Shaw
by John Ross

Summary

The R. W. Shaw claims submitted by John Ross contain no known mineralization but are located near the recent Maggie Mine, copper-molybdenum discovery by Bethlehem. According to geologic maps of the area all of the claims were underlain by a thick sequence of volcanic and sedimentary rocks.

Conclusions

The claims were not staked on geologic projections but merely for their proximity to the Bethlehem discovery. The topography and general geology of the area does not give any indication of the presence of a near surface mineralized intrusive.

Recommendations

The area covered by the claims does not look encouraging for further work.

Introduction

John Ross, local promoter, submitted to Atlas Explorations 222 claims in the Cache Creek, Maggie Mine area, the scene of Bethlehem's recent copper-molybdenum discovery. Upon Ross's assurance that there was little or no snow in the area, an examination was arranged for December 15; however, contrary to Ross's advice the claims were covered with 12 to 14 inches of snow and only a cursory examination was possible.

Interest in the area has developed since the discovery of the Maggie Mine deposit which is located 10 miles north of Cache Creek, B.C. on the east and west sides of highway 97. The deposit is situated in the valley bottom of the Bonaparte River under about 200 feet of overburden. The deposit is reported to have a grade of .4 to .7% combined Cu-Mo and was discovered by drilling around the old Maggie Mine. Claim staking activity in the area is still strong, and it is reported that Penarroya, Rolling Hills and Newmont are drilling in the Cache Creek area.

Location

The property submitted consists of 4 separate groups totalling 222 claims which are located on four sides of Bethlehem's holdings, 5 to 15 miles north of Cache Creek, B.C. (See enclosed map). The area is covered by the Ashcroft map sheet 92 I (west half). The claims are generally situated on steep sidehills and plateaus high above the valley floor.

Access

Access is by paved highway No. 97 from Cache Creek, then by jeep trails open in summer only.

Property and ownership

The property consists of 222 claims in four separate groups, owned by R. W. Shaw and staked in 1970. No work has been done on the claims.

Topography

Moderate to steep rolling hills which have been cut by the Bonaparte River, forming a steep walled valley with relief of ~~2500~~³⁵⁰⁰ feet from elevations of ~~2500~~¹⁵⁰⁰ to 5000 feet. Overburden in the valley bottom is reportedly 200 feet thick, and most of the hills except for the steepest areas are covered with a thick mantle of overburden.

Vegetation consists of sage brush and scattered ponderosa pine trees at lower elevations, fir, tamarac, pine trees and buck brush at higher elevations.

History of the Occurrence

None.

General Geology

Paleozoic rocks consisting of greenstone, chert and argillite of the Cache Creek Group underlie most of the area. These rocks are overlain by Tertiary volcanics of basalt and andesite to the east of Bonaparte River. Both of these groups are reportedly several thousand feet thick.

The igneous intrusive in which the Bethlehem discovery was made is not shown on the geologic map nor was it seen in the field but if it is an intrusive then it could be part of the Jurassic, Guichon Creek Batholith.

Mineralization

There is no known mineralization on any of the claims.

The mineralization at the Maggie Mine consists of pyrite and chalcopryrite in veins and shears, and associated with quartz veining in strongly altered sedimentary rocks. The sedimentary rocks are strongly bleached, fractured and iron stained for about 1000 feet on either side of and above the mine. These iron stained rocks also contain sulfides, mainly of pyrite but with occasional chalcopryrite. No copper oxides were seen but these are probably masked by the strong iron oxides.

Apparently the mineralization found by Bethlehem is in an igneous intrusive which is exposed in very few places right in the valley bottom. It is assumed that this mineralized intrusive was the cause of the strong alteration, fracturing and mineralization of the overlying sediments. The bulk of the sulfides in the sediments are pyrite with minor highgrade veins of chalcopryrite, giving rise to the thought of a possible pyrite halo.

The bleached and iron stained sediments are prominent from over a mile distant and readily distinguishable from the unaltered rocks, leading one to the conclusion that there should be a mineralized intrusive close by. If other mineralized instrusive are within roughly 1,000 feet of the surface in this area, the surrounding sediments should likewise display this type of bleaching and pyrite mineralization; however, no other occurrences of this type are known in this vicinity.

R.W.?

Keef Colombo

457 - 6713

Cock Creek

White Rose

220 Claims

4 parcels

A of present area is of
about 3 crown grants
similar to Maggie Mines
more show work over but
this is not correct. The
is 55 claim in the
block.

J S Brock

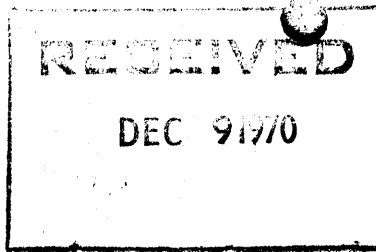
Assessment Passbook

Atlas Ex Group Lot 99/405

Improvements 1950⁰⁰

Land 100⁰⁰

J.S.B.



*Book
? no action
Geo*

GEO-X SURVEYS LTD. 627 HORNBY STREET, VANCOUVER 1, B. C. 604-685-0312
TELEX 04-50404

Dec/70

MAGGIE MINE PROJECT

On December 14, 1970, Geo-X Surveys Ltd. will release to the public the detailed total intensity aerial magnetic map of the Maggie Mine Area north of Cache Creek, B.C. As was stated in the preliminary literature outlining this project, the magnetic map will be released on a first-come-first-served basis. Those individuals or companies who have already sent us the required deposit will receive the first copies in the order that the deposits were received.

The results of the survey have confirmed our predictions relating geologic structure to known mineralization. Several significant magnetic features have been well defined. These features not only coincide with the major Bethlehem area and other possible zones, but a striking similarity in magnetic patterns with the Highland Valley has appeared. Therefore, this data is considered very significant in exploration planning in this new potential area.

MAGGIE MINE - HIGHLAND VALLEY FILL IN SURVEY

Because of the interesting similarities between the new Maggie Mine Area detailed airborne magnetic survey and our earlier Highland Valley survey, considerable interest has been shown in these surveys and the area in between. We have received requests from various major companies to provide data covering this intervening unsurveyed ground.

The project will be initiated as soon as a sufficient number of participants have agreed to contribute to this joint effort. The magnetic map will be distributed initially only to the participants. Therefore, please inform us immediately of your interest in order to establish your exclusive rights.

PRINCETON PROJECT

A recent staking rush has taken place northeast of Princeton, B.C. The Newmont Ingerbell property is under development just south of there. Considerable interest in the general area has prompted us to consider undertaking a detailed regional aerial magnetic survey.

There will probably be no government magnetic map available for a year or more. Our format calls for one-eighth mile line spacings at 500 feet ground clearance providing much more detail than any government magnetic map. Therefore, a good magnetic map in the vicinity of Princeton should be of considerable value in exploring the area. This information will be released on a priority basis, so please notify us soon of your interest in participating in the program.

MAGGIE MINE PROJECT

Survey Plan

- 70 square miles (700 line miles) centered on the Maggie Mine.
- flight lines 660' apart with 500' ground clearance.

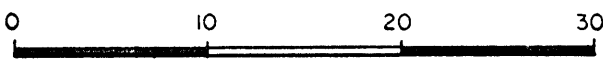
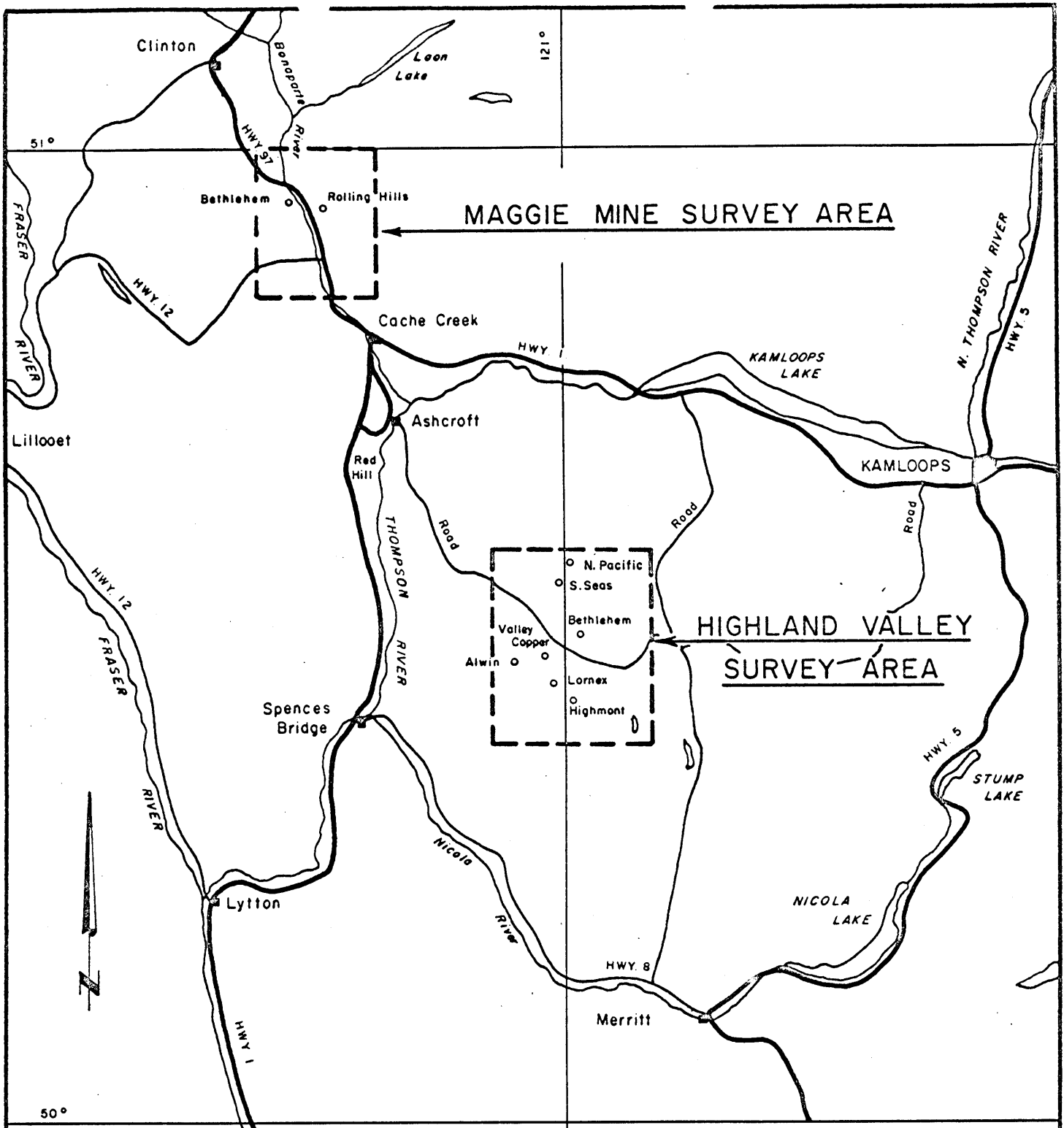
Equipment

- Beechcraft Bonanza aircraft.
- Varian proton free precession magnetometer.
- Digital and analog recording.
- 35mm flight line recovery camera.
- Bonzar altimeter.

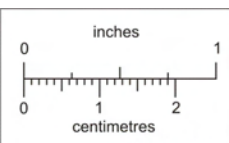
Data

- interpretive report including technical procedures.
- photo mosaic with true flight lines (68" x 54" at 1"=1,000')
- white print of total intensity contoured at 25 gammas (68" x 54" at 1"=1,000')
- magnetic viewfoil, photo print of mosaic without flight lines are optional at extra cost.

Release Date - December 14, 1970



Scale — Miles

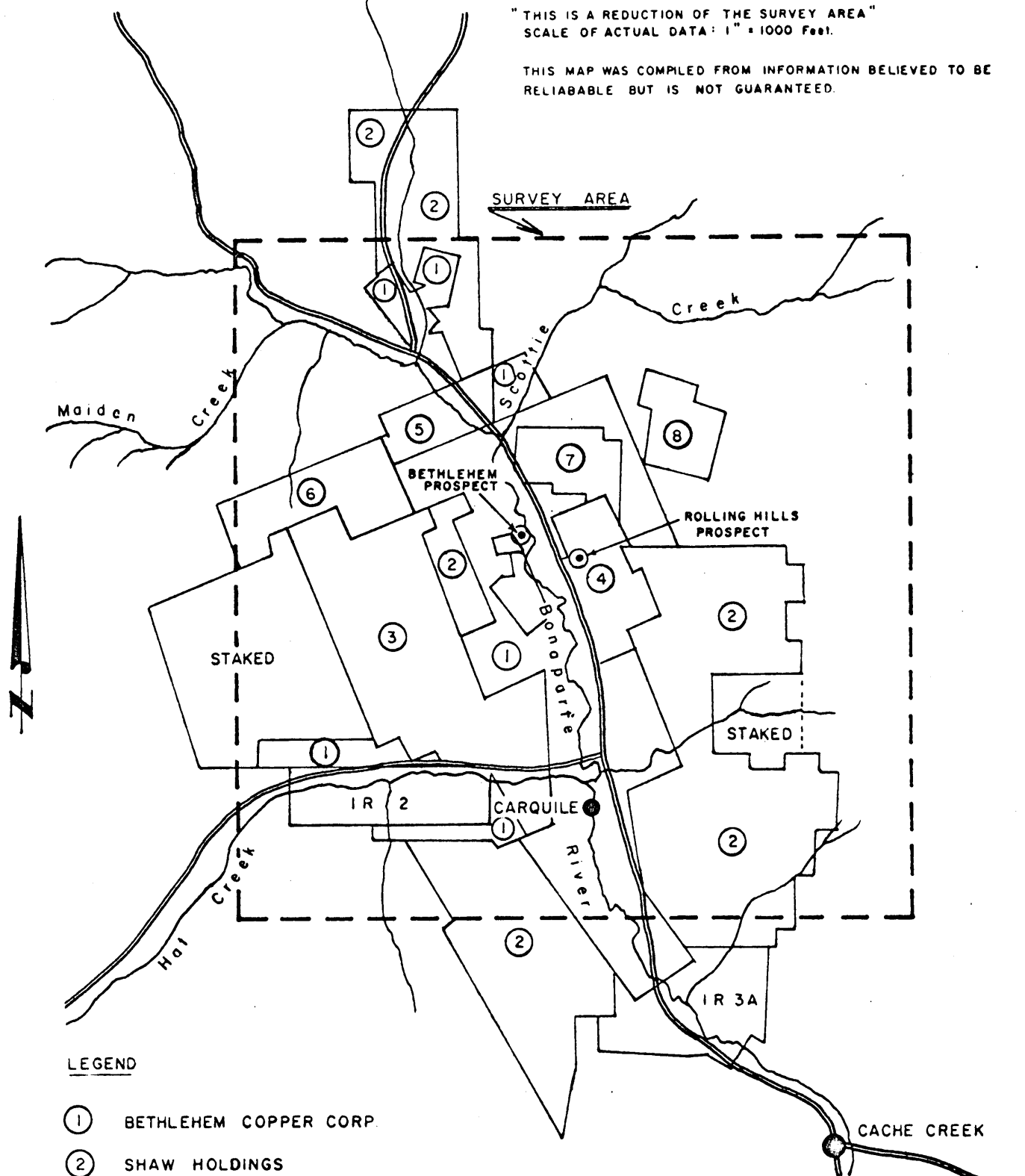


This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

DETAILED REGIONAL
AEROMAGNETIC PROGRAMS
SOUTH-CENTRAL AREA
BRITISH COLUMBIA

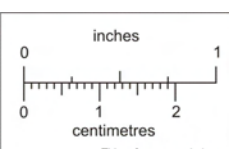
" THIS IS A REDUCTION OF THE SURVEY AREA "
 SCALE OF ACTUAL DATA : 1" = 1000 Feet.

THIS MAP WAS COMPILED FROM INFORMATION BELIEVED TO BE
 RELIABLE BUT IS NOT GUARANTEED.



LEGEND

- ① BETHLEHEM COPPER CORP.
- ② SHAW HOLDINGS
- ③ PEÑARROYA
- ④ ROLLING HILLS
- ⑤ MADRONA
- ⑥ MARU
- ⑦ CANADA WEST PET.
- ⑧ HIGHLAND CHIEF



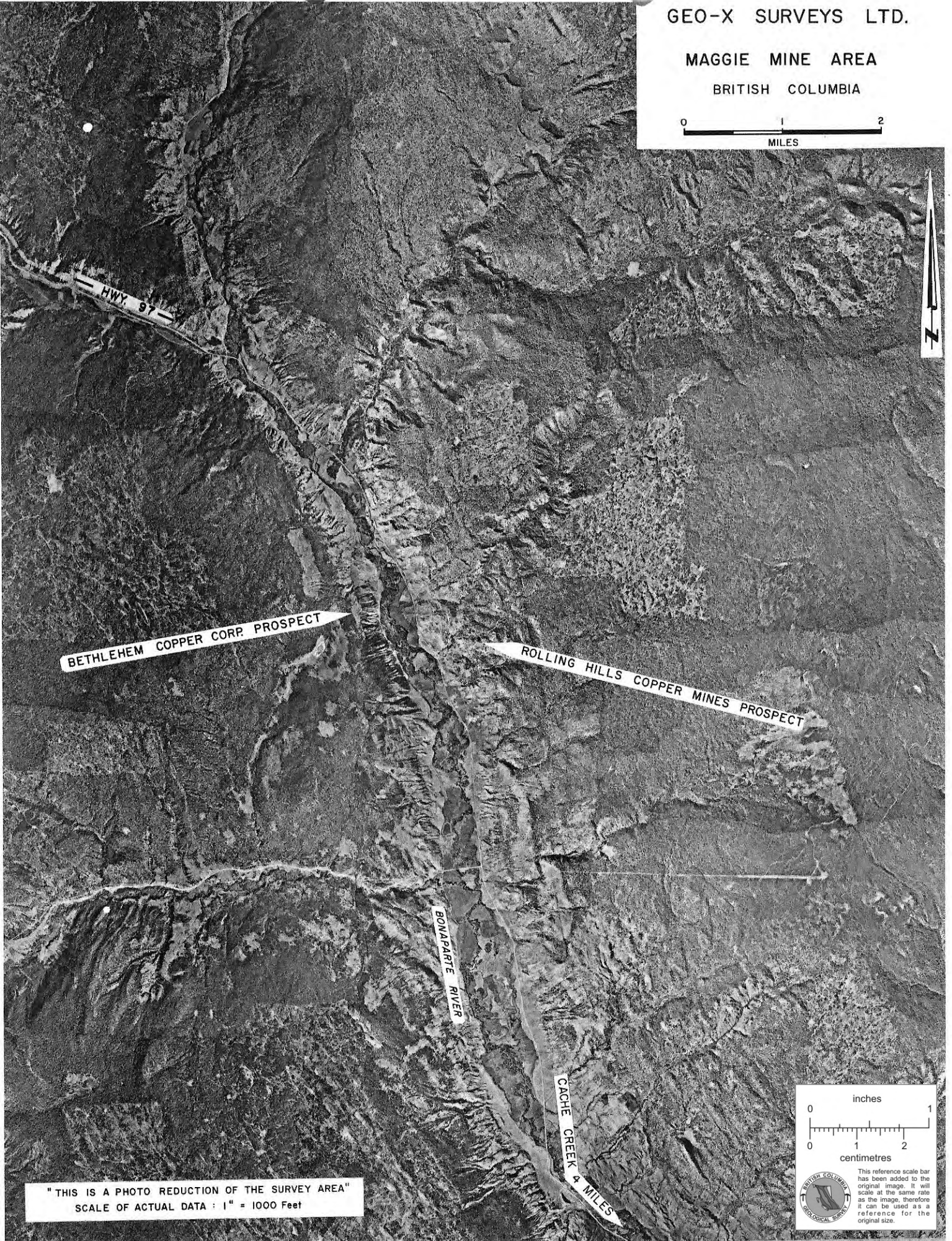
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MAGGIE MINE AREA
 CLINTON AND KAMLOOPS M.D.
 BRITISH COLUMBIA
 PROPERTY MAP

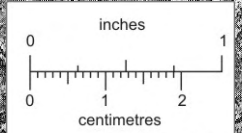
GEO-X SURVEYS LTD.

MAGGIE MINE AREA

BRITISH COLUMBIA



"THIS IS A PHOTO REDUCTION OF THE SURVEY AREA"
SCALE OF ACTUAL DATA : 1" = 1000 Feet



This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

AGREEMENT FOR SALE

Re: Maggie Mine Project

Total Intensity Aeromagnetic Map

I/We _____, representing _____

_____ hereby place a firm order for one set of
Maggie Mine data (Scale 1":1000')

- a) one only photo mosaic
- b) one only total field aeromagnetic whiteprint (25 gamma contour interval)
- c) one only general report on survey procedures

I/We understand that copies of the 35mm positioning photo negatives or transparent positives are available at reasonable copying costs. Also copies of the digitally recorded total field tapes are available at reasonable copying costs. Further detailed data evaluation over specific areas can be supplied by Geo-X Surveys Ltd. upon request, at a price to be negotiated.

I/We understand and agree that the said data, items a,b, and c above is proprietary and will not be copied or reproduced in part or in whole, nor sold without written permission from Geo-X Surveys Ltd. until notice of the lifting of the proprietary rights is received.

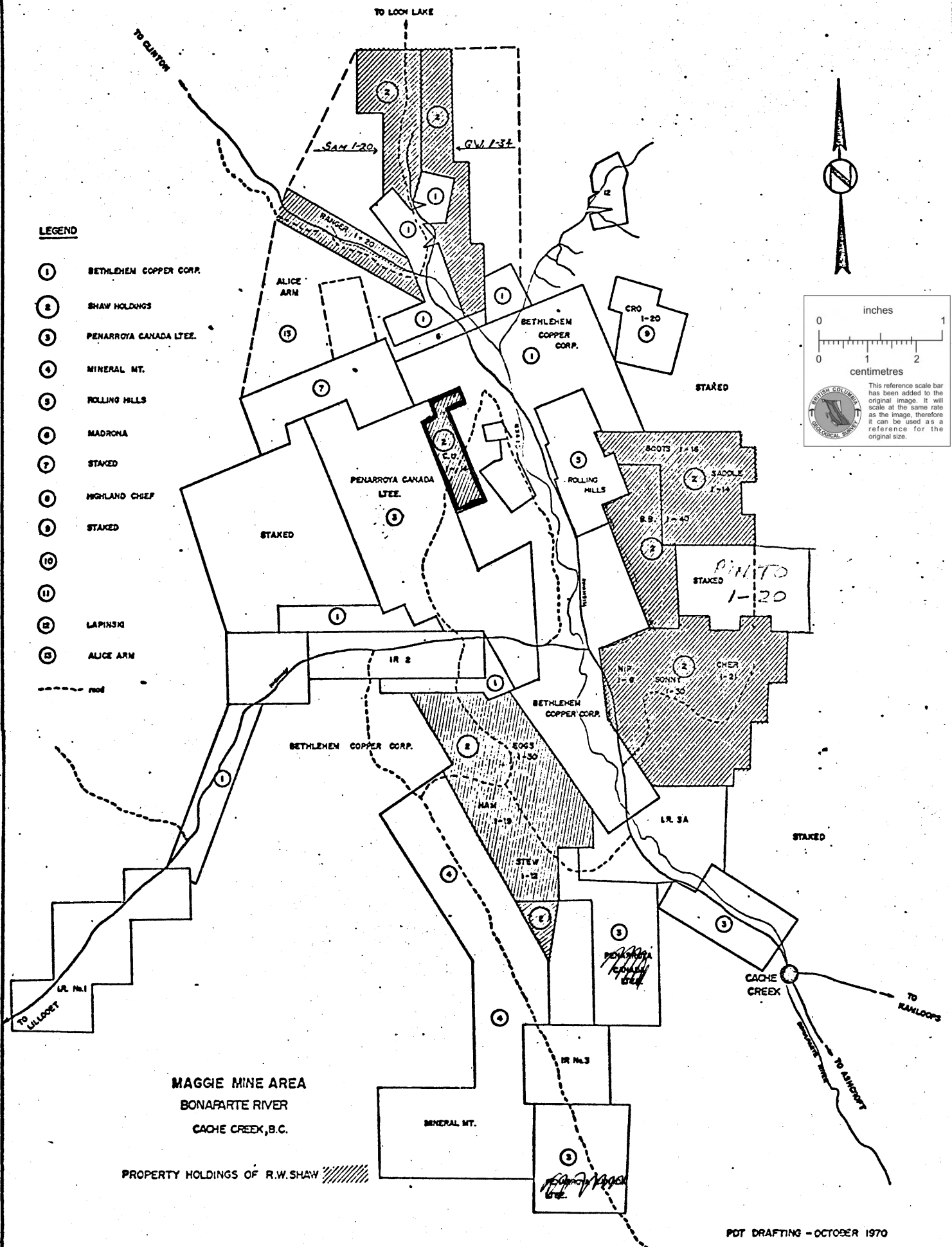
I/We hereby enclose a two hundred and fifty dollar (\$250.00) deposit to obtain a priority number. Balance of \$250 shall be paid on receipt of the said data in a,b, and c above, or satisfactory arrangements be made for the said balance. This Agreement guarantees an option on the detailed interpretation including three detailed aeromagnetic maps at a preferred price of \$500.

Signed: Stanley L. Sandner
Stanley L. Sandner,
President

Geo-X Surveys Ltd.
627 Hornby Street
Vancouver 1, B.C.

Signed: _____

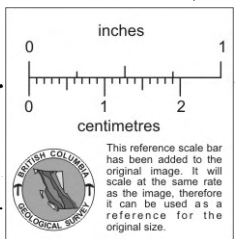
Dated: _____, 1970



LEGEND

- ① BETHLEHEM COPPER CORP.
- ② SHAW HOLDINGS
- ③ PENARROYA CANADA LTEE.
- ④ MINERAL MT.
- ⑤ ROLLING MILLS
- ⑥ MADRONA
- ⑦ STAKED
- ⑧ HIGHLAND CHIEF
- ⑨ STAKED
- ⑩
- ⑪
- ⑫ LAPINSKI
- ⑬ ALICE ARM

--- road



POT DRAFTING - OCTOBER 1970

JOHN ROSS PROPOSAL

HAMILTON RANCH - MAGGIE MINES.

222 CLAIMS INCL. PINTO GROUP = 7 Co in, 5A 4 offers.

BETA - 450 million of .6

- Corex sup. 15 or 16 percussion holes
- 10% M.T.V. character for each of mine
- buying up to 20% of cheap stock in private stage

27 months, parts and payore
then 9 + 9 + 9 mos.

688-5904

Price 3.25/foot
1080 ft
price

DEAL

Kieth Colombo, claims staker

Cache Creek 457-6713