

# ATLAS EXPLORATIONS LIMITED

330 MARINE BUILDING  
355 BURRARD STREET  
VANCOUVER 1, B.C.

013455

## PROPERTY EXAMINATION

### MOUNT MCCREERY OCCURRENCES

105-C-8

#### SUMMARY

The area represented to Atlas Explorations Ltd., by Johnny Johns contains several copper showings and one cobalt showing. The copper showings appear to be of restricted extent and therefore not of economic interest. The deposits are localized near the western contact of a granitic batholith.

#### CONCLUSIONS

The showings themselves are too small to be of economic interest. The rocks which enclose them do not appear to offer much in the way of further prospecting bets.

#### RECOMMENDATIONS

The area is not of immediate economic interest, therefore I recommend that no further work be done in the immediate area by Atlas Explorations at this time.

#### INTRODUCTION

The occurrence was brought to our attention by Johnny Johns while he was conferring with Dr. Aho in Whitehorse, August 18th. On August 24th I visited the property in the company of George Sidney and Ray Conant and spent approximately 6 hours examining the several showings. Most of the time heavy slushy snow was falling.

### LOCATION

The area is located northeast of Teslin, Y.T. at  $132^{\circ} 02' W$  and  $60^{\circ} 20' N$ . The showings are grouped about Mount McCreery, a peak of 6386' elevation. Showing #1 is located high on the south wall of a cirque due east of the mountain top. Showing #2 is due west of showing #1 on the west flank of the range near the ridge top. Showing #3 is near the crest of the divide but again on the eastern side (see Location Map).

### ACCESS

Access to the area is by helicopter from Teslin approximately 25 miles to the southwest. A winter road from the Alaska Highway passes 8 miles from the showings on the western side of Canyon Creek.

### PROPERTY AND OWNERSHIP

There are no claims in good standing in the area at the present time.

### TOPOGRAPHY

The topography in the vicinity of the occurrences is mountainous. The showings examined were all above tree-line. Most of the area is covered by scree with only the ridge-tops and cliff-faces providing outcrop.

### HISTORY OF THE OCCURRENCE

No development work has been done in the area in the past. The occurrences were discovered by George Sidney and Johnny Johns.

### GENERAL GEOLOGY

The area is largely underlain by sedimentary rocks of the Englishman Group and granitic rocks of "Coast Intrusion" age. (Robert Mulligan, 1963, G.S.C. Memoir No. 326). In the vicinity of Mount

GENERAL GEOLOGY (contd)

McCreery, limestones, cherty quartzites and minor amphibolite have been faulted and skarnified in proximity to the granitic contacts.

MINERALIZATION

Showing #1 - There are two types of mineralization present here:

- (a) skarny zones with much brown garnet carry small amounts of erythrite ("Cobalt Bloom"). The zones which bear erythrite are narrow (2" to 3"), and are not consistent along strike. The erythrite concentrations appear to be localized around small particles of silvery white sulphide, possibly cobaltite (?).
- (b) this second occurrence is three hundred yards west of occurrence (a) and consists of chalcopyrite and bornite confined to one fracture-zone approximately 4 feet wide. The sulphides occur in discontinuous blebs and lenses along 065/60 fractures and associated cross-fractures. Alteration is not extensive and the most conspicuous rust is associated with lenses of amphibolite which occur throughout the section (see Assay Y-1149).

Showing #2 - (cirque immediately west of showing #1) The mineralization is localized in a skarn with abundant narrow laminations of magnetite. The layer mineralized with copper was a layer of fine-grained magnetite with malachite stain throughout (see Assay No. 1150). The layer was approximately 2½" thick and outcropped over a strike length of 10 feet. Further up the slope from this occurrence a small piece of silty quartzite was found; it contained traces of chalcopyrite.

Showing #3 - This is a rusty zone approximately two miles north of the previous showings on the eastern side of the divide. There are numerous blocks of pyrrhotite in the zone, many of which contain traces of chalcopyrite. Traces of pale blue fluorescent mineral (scheelite?) appear in hand specimens lamped. (See Assays No. Y1147 and Y1148).

COMMENTS

Representative samples of each showing have been retained in the Whitehorse office. Several specimens of the granitic rocks from the coast intrusion were collected north of the showings.

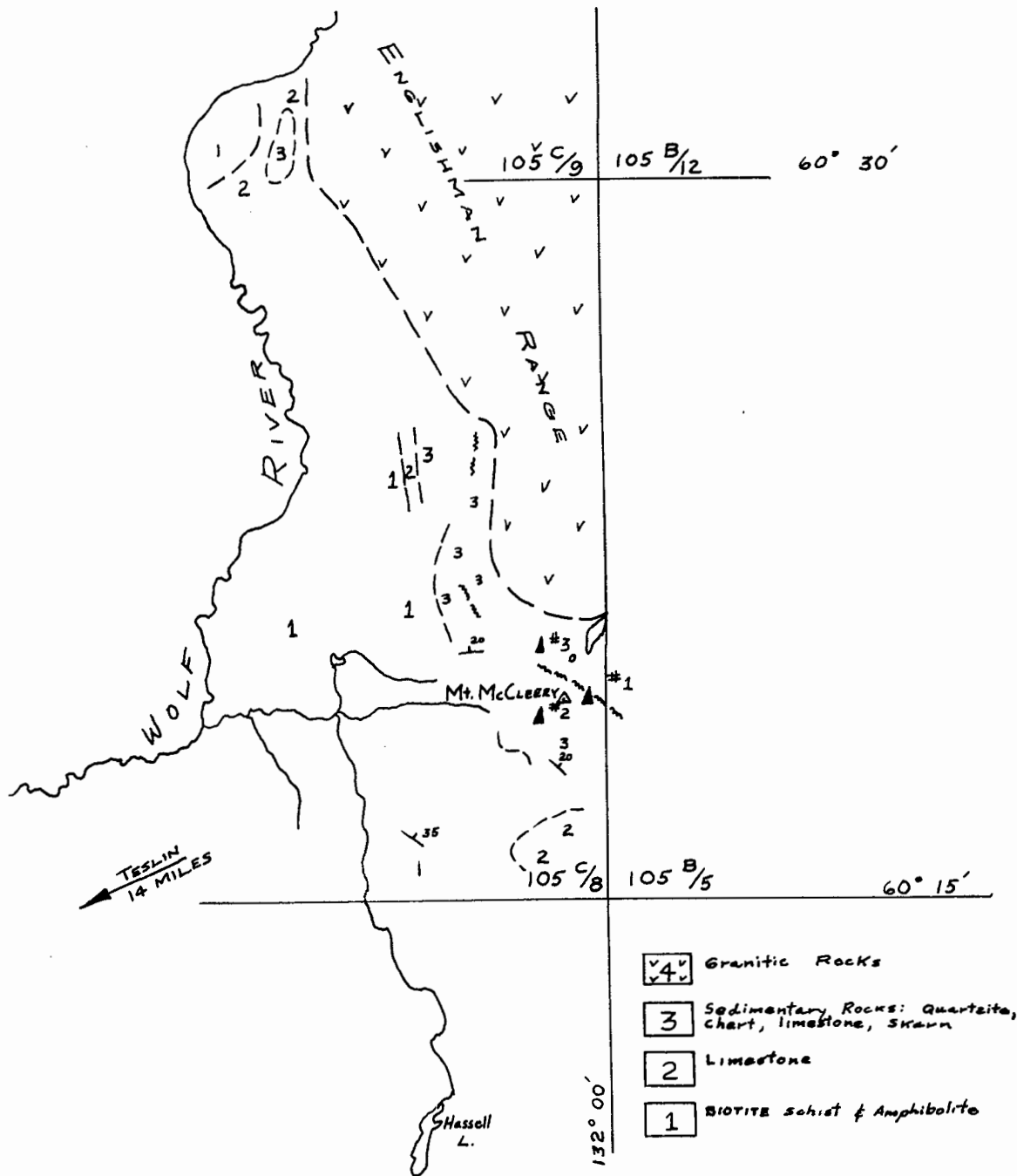
Respectfully submitted,

M.E.(Tim) Coates, P.Eng.

# LOCATION SKETCH & GEOLOGICAL MAP

MT. McCLEERY OCCURRENCE

1" = 4 MILES



- v4v Granitic Rocks
- 3 Sedimentary Rocks: Quartzite, chert, limestone, shawn
- 2 Limestone
- 1 BIOTITE schist & Amphibolite

Aug 27 / 70

M.E.T.C.