

ACE, ONE ACE MTN. 104P/13E

CASSIAR ASBESTOS CORPORATION LIMITED

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November 26, 1973

Dr. W. D. McCartney, P. Eng.
We Healdath
P.O. Box 1388
VICTORIA, B.C.

Dear Doug,

Re your enquiry, I enclose herewith a copy of the initial report on the One Ace Mountain copper prospect that we optioned briefly from Bob Clary in 1967. We did some surface trenching and stripping on the No. 1 zone, with the following results:

The copper-bearing quartz zone ^{occurs within} ~~covers~~ an area of about 285 feet long by 80 feet wide, striking northeasterly and apparently dipping about 30 degrees southeast, conformably with the enclosed limestone. Bornite, chalcopyrite, malachite, azurite and minor siderite occur in fractures and crystal boundaries of concentrically zoned quartz crystals and white bull quartz that apparently fills solution cavities in the Atan limestone.

No attempt was made to trace this mineralization to depth, due to its erratic nature and low average values.

Bob Clary has since died and the claims allowed to lapse.

Somewhat similar mineralization has been reported from time to time in the northwest part of the McDame sheet, some near Captain Lake and some near the junction of the Blue River with Dease River, but I have no details of these occurrences. The entire map sheet is characterized by small metallic mineral deposits, including copper, base metals, gold, molybdenum and tungsten, with some values in silver and bismuth. These deposits appear to be thermally zoned outwards from the batholith about as follows:

1. Molybdenite, sch^{ee}elite and powellite occur within the NE margins of the quartz monzonites.
2. Silver-bearing galena and sphalerite in a gangue of magn^eatite and, locally, pyrrhotite occupy tension faults cutting Good Hope and Atan limestones adjacent to the batholith. Some minor chalcopyrite is associated with the pyrrhotite.

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3. Gold-quartz veins occupy east-west fractures in the Sylvester Group about five miles east of the batholith, chiefly in competent andesites but also in the Vollaug vein which appears to follow an argillite-volcanic contact on Table Mountain. Derived placer gold is found along McDame creek as far as the old Moccasin Mines workings.

A second mineralized belt follows the eastern contact of the Sylvester Group, from McCame Post northwesterly through Haskins Mountain. This marks the faulted transition from a major syncline to an anticlinorium and contains small alaskite intrusions. It also contains silver, lead, zinc, copper, tungsten, molybdenum and bismuth but no gold-quartz veins to my knowledge. Erratic barite veins occur at McDame Post, with minor base metals.

Copper is found in a highly fractured zone near Hidden Valley in the Southeast corner of the map sheet.

Pegmatites, containing beryl and muscovite^v booklets are found in the metamorphic rocks of the Horseranch Range.

I hope this will be of some use to you. I will be looking forward to your mineral inventory-land use maps of this area. Are you referring to the series of mineral inventory maps being prepared by Eugene Jackson of the B.C. Department of Mines or is this a separate series showing parks, vegetation, forests, etc. for possible land use additional to mining?

I am very curious about your "group" name - We Healdath - is it gaelic?

Best personal regards.

Sincerely,

CASSIAR ASBESTOS CORPORATION LIMITED

Bill

W. N. Plumb
Chief Geologist

WNP :dw
Encl.

BOB CLARY'S COPPER PROSPECT
ONE ACE MOUNTAIN, B.C.

THIS PROPERTY WAS EXAMINED BY D. BUDINSKI ON AUGUST 21, 1967 WITH BOB CLARY. THE SHOWINGS ARE LOCATED ABOVE TIMBER LINE ON THE SW FLANK OF ONE ACE MOUNTAIN, APPROXIMATELY 20 AIR MILES WSW OF MILE 6 ON THE CASSIAR HIGHWAY ON MAP 104 P.

THE SHOWINGS, DESIGNATED 1, 2, AND 3 ON THE MAP ACCOMPANYING THIS REPORT, ARE CHARACTERIZED BY CHALCOPYRITE, BORNITE, AND POSSIBLY CHALCOCITE OR TETRAHEDRITE IN WHITE BULL QUARTZ VEINS AND LENSES IN ATAN LIMESTONE OF CAMBRIAN AGE. THE VEINS AND LENSES ARE IRREGULAR IN SHAPE AND SIZE WITH NO DEFINITE AREAS SHOWING CONTINUITY. MALACHITE AND AZURITE ARE PRESENT IN THE QUARTZ WHERE METALLIC COPPER BEARING MINERALS ARE PRESENT, BUT MUCH OF THE QUARTZ IS COMPLETELY DEVOID OF ANY OTHER MINERALS. MINERALIZATION IS SPOTTY ALONG A ZONE 3 MILES LONG, PARALLEL TO THE LIMESTONE-QUARTZITE CONTACT AND ABOUT 500-1000 FT. WITHIN THE LIMESTONE.

SHOWING No. 1 IS AN INTRUSIVE QUARTZ VEIN OR SERIES OF CLOSELY SPACED QUARTZ VEINS IN LIMESTONE AND CONTAINS BORNITE, CHALCOCITE, MALACHITE AND AZURITE DISSEMINATED INTERMITTENTLY THROUGH IT. THIS ZONE CAN BE TRACED FOR APPROXIMATELY 300 FT. IN LENGTH AND 50 FT. IN WIDTH WITH NO APPARENT STRUCTURAL CONTROL. THE ZONE STRIKES N 60° E AND DIPS 40° NW BUT INDIVIDUAL QUARTZ VEINS WITHIN THE ZONE MAY STRIKE OR DIP IN ANY DIRECTION IN RANDOM PATTERNS. SAMPLES TAKEN FROM THIS SHOWING WILL BE SENT OUT FOR ASSAYING. THE PROSPECTOR INTENDS TO FURTHER EXPOSE THIS ZONE ~~BY~~ DRILLING AND BLASTING.

By

SHOWING No. 2, LOCATED ABOUT 1000 FT. SE OF THE TRIANGULATION STATION ON ONE ACE MOUNTAIN, IS MAINLY MALACHITE STAIN IN FRACTURES WITHIN AN IRREGULAR LENS OF WHITE QUARTZ APPROXIMATELY 40 FT. IN DIAMETER. NO METALLIC MINERALS WERE FOUND HERE. STRONG GOSSAN ZONES ARE PRESENT NEARBY, BUT HAVE NO APPARENT RELATIONSHIP TO COPPER MINERALIZATION. THEY APPEAR TO BE SIMPLY A RUSTY STAINING OF THE LIMESTONE AND ARE GENERALLY VERY SMALL IN SIZE. NO FURTHER WORK IS PLANNED OR WARRANTED ON THIS SHOWING.

SHOWING No. 3 REPRESENTS A FAIRLY LARGE AREA OF SPORADIC MINERALIZATION IN QUARTZ AND LIMESTONE. THE MINERALIZATION CONSISTS OF DISSEMINATED CHALCOPYRITE AND POSSIBLY SOME CHALCOCITE WITH SIDERITE IN WHITE BULL QUARTZ INTRUDING THE LIMESTONE. STRUCTURALLY, THE QUARTZ OCCURS IN IRREGULAR LENSES, BLEBS, AND VEINS COVERING AN AREA APPROXIMATELY 1000 FT. BY 1200 FT. BUT COPPER MINERALS ARE NOT PRESENT IN ALL OF THE QUARTZ OCCURRENCES. SOME ^{ARE} PURE WHITE QUARTZ AND CALCITE. MALACHITE AND AZURITE ARE PRESENT OVER THE ENTIRE AREA. THE AMOUNTS OF CHALCOPYRITE ARE VERY SMALL, THEREFORE CU ASSAYS WOULD NOT BE SIGNIFICANT. NO FURTHER WORK IS PLANNED ON THIS ZONE. SAMPLES TAKEN WILL BE ASSAYED.

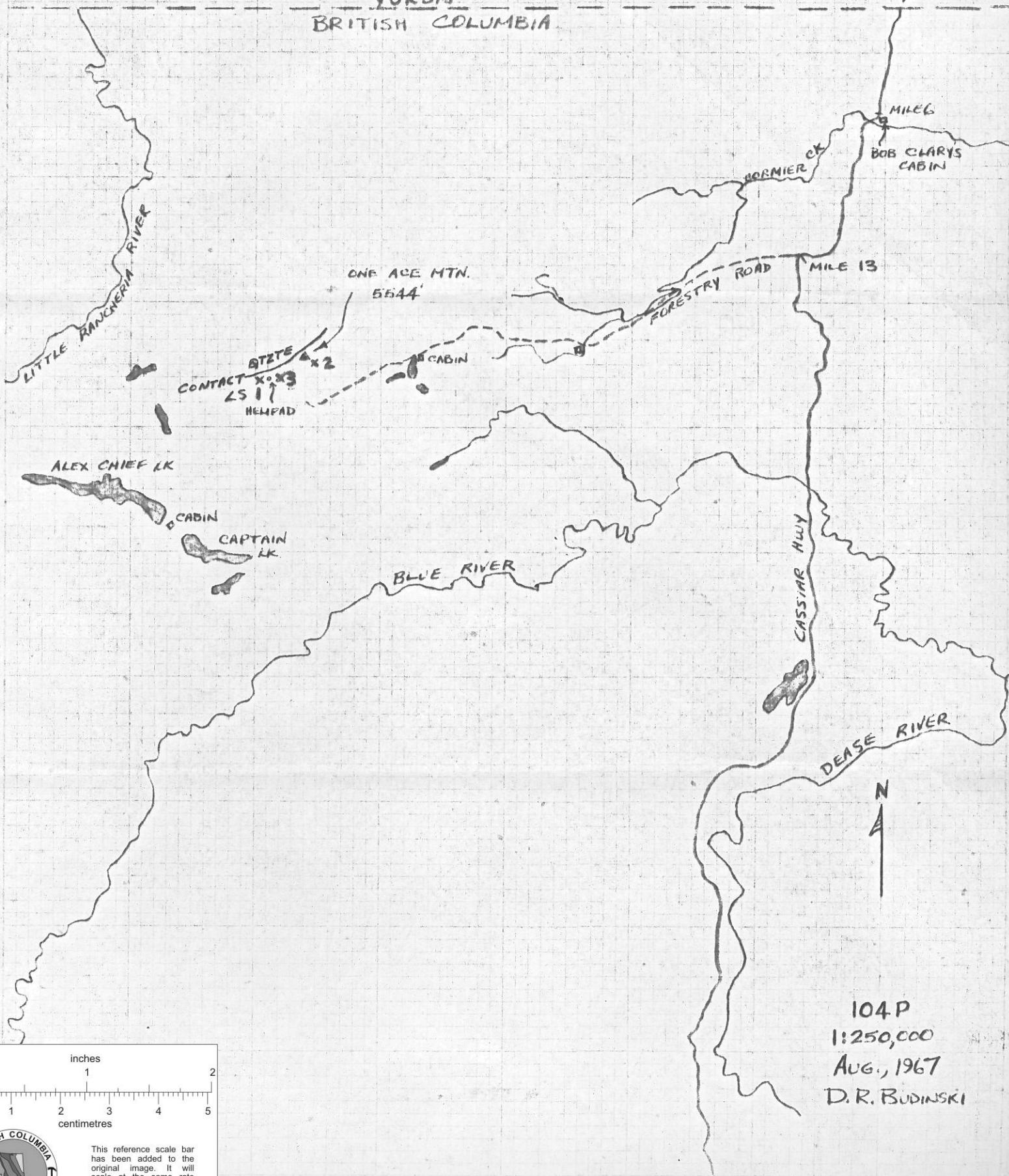
IN GENERAL, NONE OF THE THREE COPPER OCCURRENCES OBSERVED APPROACH ECONOMIC IMPORTANCE. A SECOND LOOK AT No. 1 ZONE MAY BE WARRANTED AFTER THE PROSPECTOR EXPOSES IT BY DRILLING AND BLASTING AND AFTER ASSAYS ARE AVAILABLE. NO OPTION AGREEMENTS SHOULD BE EXERCISED AT THIS TIME.

D. BUDINSKI

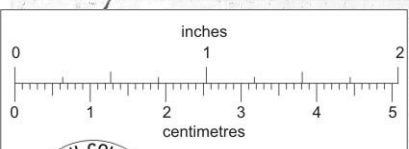
AUGUST 23, 1967

YUKON
BRITISH COLUMBIA

WATSON LK
15 MILES



104P
1:250,000
AUG., 1967
D. R. BUDINSKI



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.

