

REPORT ON
PROSPECTS IN MAY CREEK AREA

Mayo District, Yukon

Submitted to Titan Project and recycled for General Construction Co. Ltd.

A.D. Aho August 30, 1963

On August 21, 22 and 23 I examined the May Creek area with Dirk Tempelman-Kluit. I had first visited the area in 1956 and found several showings and float, all low in silver-lead ratio. However, assays up to 140 oz/ton have been reported by Norman Niddery, and in 1963 Al Triggs and General Construction prospected and trenched several showings with a D-7 cat on a joint venture. Dirk Tempelman-Kluit accompanied Triggs and David Moses into the area to map and provide geologic guidance.

About 20% of the non-magnetic heavy sand concentrate from nearby Boulder Creek is cassiterite, therefore the area could also contain important lode tin prospects.

During the course of the recent work, several showings were discovered, trenched, and examined as described below:

1. Niddery Vein (See sketch plan)

This showing, held by A.D. Ross and Associates separate from the Triggs Holdings, consists of a 700-foot long, N20°E trending vein zone which dips 60° NW across competent, micaceous quartzite. Mineralization consists of a manganese stained quartz zone of unexposed width, with manganese oxides, limonite, galena, pyrite, and minor chalcopyrite suggesting widths up to perhaps 1 or 2 feet of such sulfides. A minor amount of mineral which was thought to be cassiterite was seen in the quartz, and was definitely confirmed at the University of B.C. in October, 1963. A 140-ounce silver assay has been reported from the old adit on this zone and a 900-ounce silver assay is rumoured.

Recent assays by Strebohuk and others from massive galena on the dump have shown only about 25 oz/ton silver. Select grab samples taken to check the oxidized material on the dumps assayed as follows:

	Au oz/ton	Ag oz/ton	Sn
Limonite from adit dump	Tr	29.9	Tr
Manganese oxides & quartz middle trench	Tr	.05	

Since the showing contains low silver and no gold or tin, it is of no economic interest for these metals unless a much larger deposit can be found. However, the presence of tin in the vein system throws an entirely different light on veins in the general area, and requires renewed prospecting for tin.

2. Zinc Showing

A small area of sphalerite-galena mineralization in varied granitic rocks on peak 5880 was trenched out, leaving only manganese stain.

3. Skarn

A dense, greenish, actinolitic (?) skarn zone a couple of hundred feet in extent on the top of peak 5880, contains minor chalcopyrite, sphalerite, and arsenopyrite and yielded 0.2% tin on a spectrographic test of an assorted chip sample. Unidentified minerals, probably garnet and axinite or idocrase occur in the skarn.

The tin was checked by chemical assay, but tin content was only .04%.

This skarn zone lies near a granitic contact, appears to be very limited in extent, and therefore appears to warrant no further work unless a better concentration of tin is found.

4. Triggs Vein System (Detailed plan to be submitted by Tempelman-Kluit)

The Triggs vein strikes N70°E, dips steeply, and is a maximum of 3 feet wide, mostly mineralized with quartz, manganese oxides and residual rhodonite, and minor galena and probably arsenopyrite and other sulfides which have been weathered away.

One select grab sample of galena assayed 80.4 oz/ton silver and 66.5% lead, while a 3-foot wide chip sample of the manganiferous oxides from the best exposed section 90 feet long assayed a trace of gold, 1.0 oz/ton silver, and only .04% tin.

This portion of the vein has been traced for about 400 feet on top of the ridge, and float indications to the west suggest two or three other veins of this system on the steep talus slope down to the head of May Creek. One of these veins was trenched and found to be 3 feet wide, mostly of quartz with possible minor cassiterite, and minor galena, sphalerite, and arsenopyrite (also found as float in 1956). A general grab sample of various pieces assayed .02 oz/ton gold, 11.0 oz/ton silver and only a trace of tin.

Unless further prospecting reveals richer and wider sections the Triggs Vein System is too narrow to be of much economic interest.

5. Boundary Vein

A 0.85-foot wide pyrite-arsenopyrite-galena vein occurs at the head of the creek draining into Fortymile Creek. This was not examined but a select sample from a 2-inch vein in this vicinity in 1956 showed about 20 oz/ton silver

6. Galena Claim

Several manganiferous float veins with minor galena indicate a zone of discontinuous veins at the crest of the ridge to the north of the Triggs vein area. One of these vein zones showed a few inches of oxidized, manganese-stained alteration which contained no tin or other metal of interest.

Nearby float of an odd-looking greenish-brown breccia assayed only 0.04% tin.

Minor zinc mineralization also occurs around this vicinity.

None of the above mineralization appears to be abundant enough to warrant any further investigation.

7. Moses Vein

The Moses vein zone, on the southeast end of the ridge overlooking McQuesten Valley, consists of minor N45° trending, 70° SW dipping stringers and pods of manganese oxides up to 2" wide with traces of galena.

8. Contact Breccia

On the spur down to the mouth of Boulder Creek is a greenish-brown contact breccia zone over 50 feet wide and of undetermined length. As assay showed only a trace of tin. Because of its size possibilities, this zone and any other similar breccia zone should be prospected in detail specifically for tin, tungsten and other minerals.

Summary

Rocks in the May Creek are mainly fairly uniform, competent micaceous quartzite, dipping flatly, and cut by east-plunging dioritic to granitic intrusives, thus providing a favourable geologic environment for mineralization.

However, the veins are more siliceous and apparently high temperature than in the Keno Hill area and the gold and silver content of the veins is far too low and the veins much too narrow to make the area economically interesting unless better grades and widths are found elsewhere in the vicinity.

4.

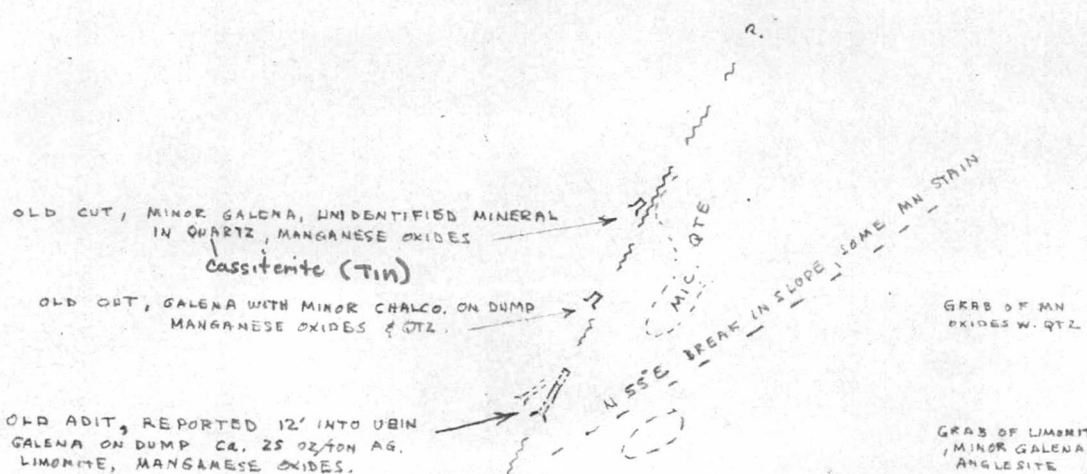
This area and other such localities should be prospected more specifically for tin, which is difficult to identify and would have been missed in any past prospecting.

The variety and distribution of mineralization justifies further prospecting for larger or richer deposits, and the confirmed occurrence of vein cassiterite definitely warrants prospecting specifically for tin.

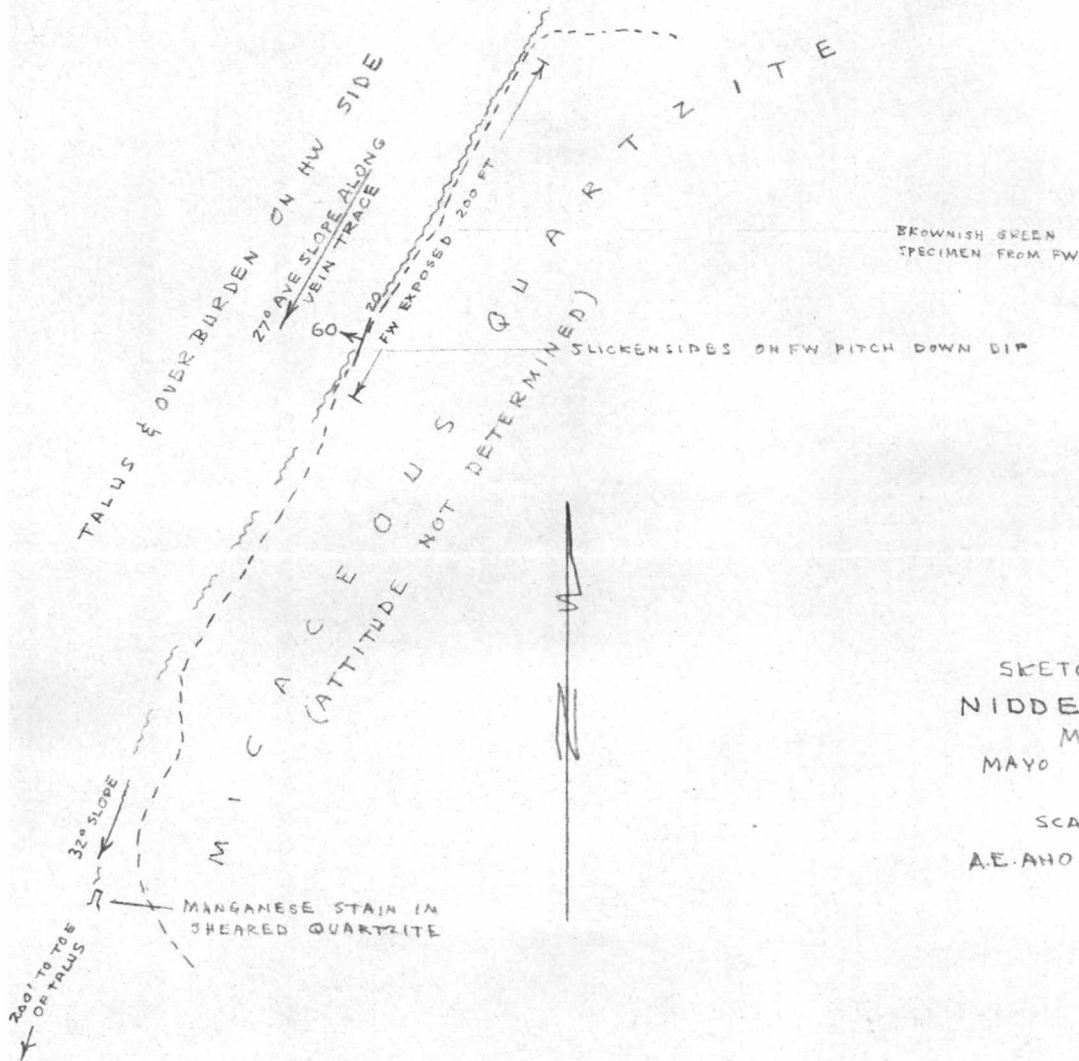
Respectfully Submitted,

A.E. Aho

ONLY MINOR SHEAR
SEEN ON RIDGE TO N.



	AG OZ/TON	SN %
TR	.05	—
TR	29.9	TR



SKETCH PLAN OF
NIDDY VEIN ZONE
MAY CREEK
MAYO MINING DISTRICT
YUKON
SCALE 1 IN. = 100 FT.
A.E. AHO AUG 24/63

A.E. Aho.

GENERAL CONSTRUCTION COMPANY
DIVISION OF STANDARD GRAVEL & SURFACING OF CANADA LIMITED
GRANVILLE ISLAND
VANCOUVER 9, B. C.

COPY

February 25, 1964

Mr. Al Triggs,

MAYO - YUKON.

Dear Al:-

RE - General-Triggs Claims
May Creek Area, Yukon

I seem to have misplaced the last letter which you sent to me regarding future prospecting and exploration of these claims. However, our opinions are still as outlined in the letter which we sent to you about the end of last year: ..that is, we want you to record the total value of the work completed last year on our claims, so that they will be in good standing as long as possible. Also, we want you to return the signed copy of the letter authorizing us to retain the additional tote trail assistance funds which may be received this spring.

We are not interested in paying for any more surface or underground exploration on these claims, or in drilling them. We believe that the best thing that we can do now, is to make an arrangement with Dr. Aho, to purchase these claims for one of the syndicates with which he is associated and to recover our costs to date.

You of course will have the first opportunity to purchase our interest but if you are unwilling to do so, then we are planning to make the best arrangement we can with Dr. Aho, or one of the other firms active in exploration in the Yukon, this year.

Attached is one copy of the report on prospects, prepared by Dr. Aho.

Yours truly,

GENERAL CONSTRUCTION COMPANY.

HLD/A
Enc.

HLD
H. L. DONALDSON
Manager Northern Division.

c.c. - L.E. Smith
c.c. - F.T. Proctor
c.c. - Dr. A.E. Aho