

To W.M. Sec 'ca
From J.W. Marton

006004

Subject - Reconnaissance Examination of Area 60 miles East
of Ross River, on East Side of Kelly River.

heard by Bill Sirola

Rumors of a new discovery of Pb-Zn float near the Kelly
River, east of Ross River led to an investigation into claim
ownership & geology of a 30 square mile area centered
at Lat $61^{\circ} 47'$ & Long $131^{\circ} 05'$

Recent mapping by Templeman-Klein of the G.S.C.
indicated ~~a~~ ^{large} area of pale green chlorite muscovite
quartz phyllite ^{of uncertain age} which was ~~terminated~~ ^{terminated} by a
thrust fault with Carboniferous to Permian
basalt and minor argite porphyry, which in
turn was terminated ~~to~~ further east by a
possible right lateral fault with ~~congl~~
upper Devonian conglomerates & black slates
occurring on the uplifted ~~east~~ side. * see at end.

The reported float location turned out to
be well covered with plains as is shown
on the enclosed maps. However, while the
float "owners" had stakes as far east as
the ~~thrust~~ above mentioned thrust fault,
an interpretation of government aeromagnetics
by the writer indicated only sporadic
occurrences of basalt, and no apparent
thrust contact. Open ground on strike with
the float "show" now became apparent,

and ^{ground} reconnaissance of the area began forthwith.
Alexander Po ~~and~~ (magnetometer) and Wayne
Minton (EM-16) ran lines as shown on the
enclosed plan maps & attached profiles
during the period March 29 to April 3, all EM-16
readings were taken facing S. 35° W using the Seattle transmitter, while all magnetometer
readings taken with a GOMETS 816 were taken facing north.
Staking was initiated immediately when no
indications of basaltic cover were ~~found~~
found, and anomalous characteristics of the
EM-16 profiles were seen in the area north of
the highway.

Approximately 88 "Pelly" claims have been
laid out as shown, with staking still in
progress on April 5.

On returning through Whitehorse, a long conversation
with the claim (flat) owners was held. They are

AL CARLOS
13 ASPEN DR
WHITEHORSE
TEL. 633-2633

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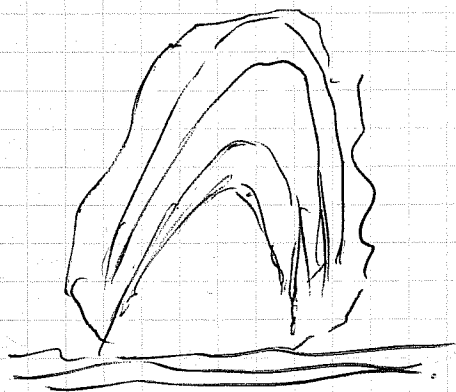
GLEN HARRIS
707 BLACK ST
WHITEHORSE
TEL 667-7277

Both men responded very favorably to our overtures,
A. Po was especially helpful to them in comparing their mineralization & rock
and we parted on very good terms. While they have ^{previously} previously
previously optioned ground to the west of their
showing to DUPONT, they do not wish to deal
with anyone at present on their main area of the
flat discovery. Ken Addison will, however, be at
the top of the list should further discussions be
considered by the owners, which will become more

to GRAM 1

probable as work progresses on their large block of ground.

The float showing was found on the south west bank of a small creek west of the Kelly River, and other smaller float "more quartz & zinc" was found further south west. Glaciation in the area is east \rightarrow west, and the bedrock in the area strikes E-W and dips shallowly north. The ^{main} float boulder is approximately 5' tall and 5' wide with a tight fold indicated from pictures thusly:



The limbs of the fold are more zinc rich while the nose or center of the fold has more lead with the zinc, giving ~~really~~ a ^{massive} sulphide appearance on a cut section. Very approximate composition of the "massive sulphide" sections would ~~be~~ be

Quantity 10-20 %
Pyrites 30-40 %
Lead 10-20 %
Zinc 10-30 %
~~Blende 10-20 %~~

with the following assay shown to us.

Zinc rich "limb" area Ag 0.5 oz/t Pb 1.5% Zn 20%

Pb-Zn "nose" area Ag 3.5 oz/t Pb 10.3% Zn 21%

Specimens of the more quartz-zinc rich smaller float found SW of the large boulder would assay (visually)

no more than 2-3% Zn with little to no Pb and about 1% by in a quartz rich gangue. ~~The~~

The ~~sample~~ best rock in the large boulder is a grey-green serrate-phenite phyllite with many similarities to Burns "bleached serrate phyllite"; (A. P.). The prospectors report a heavy graphite zone lying ~~just~~ ^{about a mile} to the north of the float, ~~and~~. No float has been found as yet in an up ice direction (to the east), but heavy secondary limonite has been reported east of the float on the east bank of the Kelly River. Kelly River derived sand masks the general ~~low~~ area. ~~and~~ ~~rock~~ ~~exposure~~ is very sparse, making explanation, & development of a valid stratigraphic section difficult. The prospectors have had ^{some} limited success with geochemistry, ^{& magnetics} and are currently running gravity and pulse E.M.

It is recommended that Ken Addison run geochemistry, E.M. & magnetic surveys over the Kelly claims as soon as conditions permit. ~~and~~ If any further encouragement is encountered, basal till sampling and gravity should be considered when funds ^{are available} permit. In addition, if any other successes are reported in the area, ~~and~~ an airborne E.M. & Mag survey should be run over the favorable geological units lying to the south where ^{unstable ground} ~~open ground~~ occurs,

* (for front page)
Cashier work in 1966 by Ken Addison in the general area had terminated within 1 mile to the west of the reported fault, but had indicated several locations of anomalous magnetics and geochemistry which were investigated at that time.

with geological investigation carried out to the SE of our claimed area. Possibly similar geological units may occur across the fault contact.

Approximately 50 line miles (80 line kilometers) would be required to cover all the claims with lines 500' (150 meters) apart.

John.

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(best @ night)

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