

98-003

**TECHNICAL REPORT
BY EDWARD LILLEY
MAP 115 I-8
YUKON CROSSING**

YUKON ENERGY, MINING
& RESOURCES LIBRARY
P.O. Box 2703
Whitehorse, Yukon Y1A 2C6

LOCATION & ACCESS

A: 1. Carmacks area: North of Tatchun Lake, approximately 3 miles to sites 2, 3 and 4 and 6 miles north to site #1.

2. Topographic Map (Yukon Crossing) 115 - I-8

(Canyon) Site #1 Latitude degrees' Longitude 62 degrees 23'

(Vein) Site#2 Latitude 136 degrees 13' Longitude 62 degrees 22'

(North Fork) Site#3 Latitude 136 degrees 11' Longitude 62 degrees 21'

(East Fork) Site#4 Latitude 136 degrees 8' Longitude 62 degrees 20'

3. Location map of project map included.

B: Access to these sites can be gained via 4 wheeler trail. Trail head begins on the Tatchun Lake road 3.25 miles east from the Klondike Highway. Map 115-I-8, Latitude 136 degrees 12' Longitude 62 degrees 18'.

GEOLOGY

The geology of the area is such that the northern edge of the woodcutters ridge divides the DTs (Slide Mountain) volcanic rock from the TJK (Klollassin hornblende type rock).

WORK DONE

Approximately 12 km. Of trail suitable for 4 wheeler traffic or skidoo was done to accommodate easy access to the exploration zones.

Site # 1 was surface panned over a 3 mile length between post # 1 and post #2. Pans had small amounts of black sand, but no gold.

The rock throughout the canyon is all hornblende 90% to 95% quartz. No staining, faulting or change in rock noted until post # 2, where patchy rosy quartz seems to take over.

Five perpendicular lines were done with the magnetometer with the results showing slightly higher readings on the left limit of the creek. Example background = 55.0 left limit would be 55.7 to 55.9.

I would recommend further reconnaissance on foot of the creek running down to post # 2 from the north and the headwater running into the mile long lake from the east before committing to shafting or trenching for placer as the terrain and depth of canyon bedrock would be formidable in this location.

Site # 2 did preliminary magnetometer readings on right and left limit of the valley from the junction of other creeks to and around first lake to the north west. (Area to NE of 4002' mountain) approximately 1 1/4 mile. 1000' of the left limit line had a reading of 56.1 indicating slide from above was magnetic. Did a grid with the magnetometer on the north slope of 4002' mountain which resulted in locating a vein structure at about 40 degrees to NW, 4000' long and 6'-10' wide. Additional magnetometer work was done at both ends of vein structure, but readings fell off to background. Readings over vein were 57.0-60.0 where as background is 55.0. Two trenches were dug here, one at halfway up the mountain and the 2nd at lower end of vein just 120' up from valley bottom. The upper was 4'x6'x3' deep and was abandoned as hit frost and appeared to be too much slide, possibly 15'-30'. The lower dig had 7' of thawed slide rock and 5' more of frozen including a 2' layer of creek gravel which contacts the bedrock or vein. This trench is 4'x6'x12' deep. Sample recovered : magnetite and hematite.

NOTE: visible native copper found in float rock over vein and porphyry found on outcrops 1000' above vein.

1. I would recommend that the trench I dug be extended to better interpret the vein structure as I had only just touched on it.
2. That the areas on map in pink, being the aerial magnetometer highs, be looked at. Hand samples taken and hand trenching where applicable.
3. That a geo-chemical survey of the area identified on the map in yellow, running from SW. to NE, as the possible strike zone be done and that particular attention be paid to areas identified in pink and area below identified vein.

SITE # 3

This area was panned revealing only small amounts of black sand and no gold. A magnetometer line was done through this creek as well as several perpendicular lines with only background readings of 55 showing up. There is a rock outcrop of volcanic type on left limit of creek near where the prospector died. Rock to north of here appears to be hornblende where as volcanic to the south.

Recommend to not waste time up this draw other than to do a few geo-chemical samples. Magnetometer high on left limit of creek as indicated on map should be grab sampled.

SITE # 4

Bottom two miles of unnamed creek running into Tatchun Lake was surfaced panned. A black sand streak of 1"-1 1/2" was noted in most pans with one pan revealing a small colour at location of magnetometer line #3. Six magnetometer lines were done across the creek as well as one line running from bottom of creek to point where creek turns to the east on map. Right limit of creek ran a consistent 55 background where as left limit was consistently higher at 55.7 -55.9 indicating a channel of black sand on left limit side. Several small excavations along right limit made it clear that the modern creek had been eating into the glacial till on the right limit thus not concentrating much gold in the creek bed. While the left limit had remained frozen and probably concentrated a great deal more gravels. A shaft was dug just to the north of magnetometer line #6 on left limit of creek. Shaft went to a depth of 29'. The first 12'-13' was typical black mud, then 2'-3' of sand that rendered a .1 gram of gold for 2 buckets (5 gallons). Then a 9' layer of course washed gravel and boulders with only a spec of gold dust in one out of 4-6 pans. Next was a silt layer 5-6' deep, void of gravel, but some sand in it with only a spec of gold in one out of 4-6 pans.

NOTE:

Ricky went back to this shaft and dug another 1 1/2 feet of remaining thaw and reported recovering 2 colours per pan and gravels. This would correlate to \$2.00 - \$4.00 a yard ground.

*Bedrock has not been reached at 30' deep to date.

Recommend to dig another 6'-10' on this shaft in light of Ricky's 2 colour pan as it is probably the top portion of the pay channel that the magnetometer was picking up. Given it is under the glacial silt that is under the boulder channel it is a very old creek bed, further enhancing its possibilities of a viable placer mine.

CERTIFICATE

id 98L1318

Canada V51
 Phone (804) 879-7878
 Fax (804) 879-7898

Client: Northern Analytical Laboratories
 Project: W.O. 5642

2 Samples
 2-Pulp

[132828:51:12:89122398]
 Out: Dec 23, 1998 Page 1 of 1
 In: Dec 18, 1998 Section 1 of 1

Sample Name	Au	Ag	Cu	Pb	Zn	As	Sb	Hg	Mo	Ti	Bi	Cd	Co	Ni	Ba	W	Cr	V	Mn	La	Sr	Zr	Sc	Tl	Al	Ca	Fe	Mg	K	Na	P
	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%
SAMPLE - 1	75	<	82	11	72	99	<	<	1	<	<	4.8	25	19	9	<	73	152	824	2	45	19	11	0.23	3.68	4.43	4.20	1.53	0.02	<	0.07
SAMPLE - 2	46	<	39	14	88	14	<	<	1	<	<	7.5	24	32	29	<	60	196	612	4	46	3	6	0.23	1.26	4.17	6.91	1.29	0.02	<	0.18

*Sample #1 float rock from
 4' above vein
 * slide from near to south
 side of vein.*

Sample #2 from vein

1000 ppb = 1 GRAM

Min Limit	2	0.1	1	2	1	5	5	3	1	10	2	0.1	1	1	2	5	1	2	1	2	1	1	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	9999	1.00	9.99	9.99	9.99	9.99	9.99	9.99	5.00	5.00
	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP	ICP

1-867-668-4890
 0000 NAL WHITEHORSE
 Jan 1 '99 10:21

Supplement (to Technical Report)

Research REF: Geology of Canadian
Mineral Deposit Types

Volcanic Redbed Copper Pg 241

Given the close association with hematite and the visible native copper found in the float above the vein, of close proximity to the vein, I believe I may have identified a deposit of this type.

NOTE: Magnetometer highs from aerial map (if hematite) could mean a large reserve.

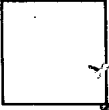
ALSO: Jasper found on the rock outcrop above being of sedimentary origin, lend support to this theory.

Color and Black and White
Photofinishing and Enlarging



98-003

413336



NAME

~~Shirley~~ Lilley

Date _____

Time In _____

Rush ? _____

Due ? _____

8257

6376

Maximilian's Gold Rush Emporium

Box 304

Phone (867) 993-5486

Dawson City, Yukon Y0B 1B0

Photofinishing by Pix-A-Color Ltd. 428-7714

ENCLOSED IS A ROLL FILM ORDER (one roll per envelope please)

Film Type

Film Size

Kodak Color Print Film 35mm Disc 110

Fuji Color Slide Film 12 15 24 36

GA B & W Print Film 3 1/2" x 5" 4" x 6"

ENCLOSED ARE _____ Negative / Strips, Slides, Prints
Color B & W

ORDERING

Reprints Enlargements Copywork Duplicate Slides

3 1/2" x 5" 4" x 6" Color or B & W

Enlargements 5" x 7" 8" x 12" 11" x 14" *6*

Print Total _____

SPECIAL INSTRUCTIONS

Glossy Singles
out of focus

PRICING

6.09 C41

4.91 E6

_____ BW

_____ PFS

_____ Rush

_____ Chgs

6.09





PROSPECTOR
WILLIAM
LANGHAM'S
LAST
REMAINS

4002'



AIRIAL
MAG



→ N

MAG High



SITE #2
VEIN →

O MAG High

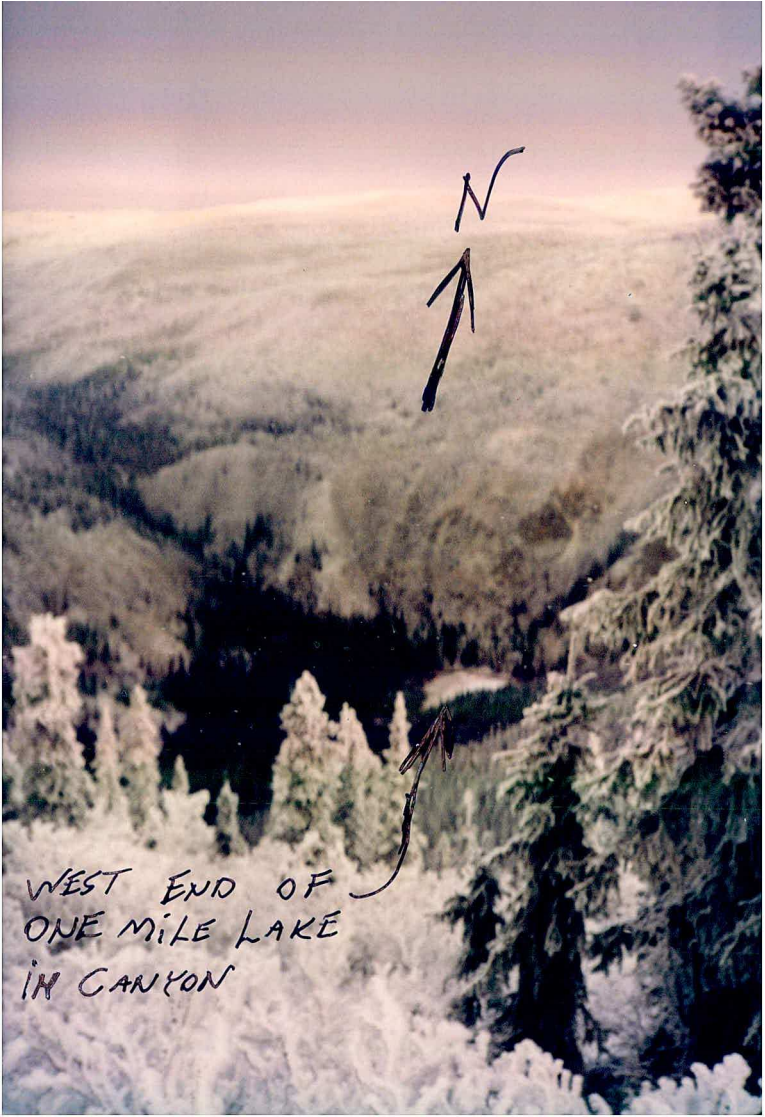




CANYON BELOW
1 MILE LAKE



CANYON BELOW
ONE MILE LAKE



N




WEST END OF
ONE MILE LAKE
IN CANYON



TATCHUN LAKE
↓

LOOKING SOUTH FROM RIDGE
ABOVE CANYON TO TATCHUN
LAKE



DOING MAG ON TOP OF
MOUNTIAN ABOVE CANYON
SITE #1



TRENCH
ON VEIN
SITE #2



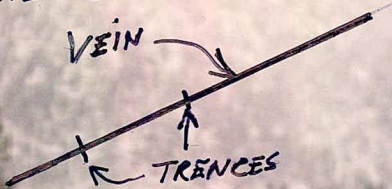
VIEN
SITE #2





SITE #2

VEIN



TRENCES



Site #1

N



S
↗

MAG High

S
↑

SITE #2
VIEW 20

MAG High





x SHAFT

PERSONNEL
PERSONAL

98-003

Nom Name EDWARD J. LILLEY
 Adresse Address Box 948
 Ville City DAWSON CITY
 Code Postal Postal Code 40B 160 No de tél. Phone Number 993-6376

Nom de la compagnie Company name DAILY NOTES
 Adresse Address (TATCHUN LAKE)
 Ville City _____
 Code postal Postal Code _____ No de tél. Phone Number _____

EN CAS DE MALADIE OU D'ACCIDENT, AVISEZ
 IN CASE OF ILLNESS OR ACCIDENT, NOTIFY

Nom Name Crosby 1800 663-6733
 Adresse Address _____
 No de tél. Phone no Mirning Rec. Dawson City 993-5343
 Nom du médecin Doctor's name _____
 No de tél. Phone no _____
 No de dossier Hospitalization No _____
 No d'ass. sociale Social Insurance No _____
 No de permis de conduire Driver's Licence No _____

INFORMATIONS DE CARTES DE CRÉDIT
 CREDIT CARDS INFORMATION

Noms - Names	Numéros de tél. - Phone Numbers
<u>KEN GALENGOS</u>	<u>1800 661-0408</u>
<u>Ricky OBRIAN</u>	<u>668-2512</u>
<u>NORTHERN ANILITICAL</u>	<u>668-4968</u>
<u>GUARANTEED RENTALS</u>	<u>667-7368 Mike</u>
<u>GARY LEE</u>	<u>668-6479</u>
<u>SUNSHINE</u>	<u>Fax 993-6605</u>

PRIORITÉS
PRIORITIES

JANVIER 1
JANUARY 1



am	DANEVRY.			pm
9	FRONTIER.		BANK	
	NORTHERN SUP!		DRUGSTORE. 1	
	SAWMILL.		NOR MET-	
10				2

	INJECTORS - C/W SEALS.			
11	HYD TANK.			3

	40A - DRILCO ALT.			
12	FORD REG - E2PF 10316 BA MEGA			

~~ALDS~~

PRIORITÉS
PRIORITIES

JANVIER 2
JANUARY 2



am				pm
9				1
10				2
11				3
12				4

26 MAI
MAY

PRIORITÉS
PRIORITIES



am

pm

9 1

10 2

11 3

12 4

27 MAI
MAY

PRIORITÉS
PRIORITIES



am

pm

9 Arrange with Rick Brown
to supply two ft. wheels
& chainsaw and to meet
10 me at Tatchum Lake the 2
next morning.

11 3

12 4

PRIORITÉS
PRIORITIES

MAI
MAY

28



am

9

Ricky & I start on trail heading north.

10

Trail head begins approx. 3.25 miles east of Blondike highway on the left side of the Galtun lake road as you are heading west.

11

We groomed dead fall and branches for about one mile on an old trap line trail.

12

PRIORITÉS
PRIORITIES

MAI
MAY

29



am

9

Cut trail heading north up creek.

10

Notice 12' depression into alluvial surface out by an old water flow.

11

Panned it & found fine black sand. Gravel was well washed.

12

Made 1/2 mile of trail.

30 MAI
MAY

PRIORITÉS
PRIORITIES



am cut $\frac{1}{2}$ mile of trail pm

9 1

There is a 700' bluff
on the left limit of creek
I examined the broken off
float (Volcanic Origin)

11 3

12 4

31 MAI
MAY

PRIORITÉS
PRIORITIES



am cut another $\frac{1}{2}$ mile pm

9 of trail up to where
a mud slide blocked
the way. 1

10 2

Panned the mud slide
on left limit.
(fine black sands)

11 3

PRIORITÉS
PRIORITIES

JUN 1
JUNE 1

am

9

10

11

12

pm

1

2

3

4

☀ ☁ ☔ ❄ °C
Arrange to meet with
Ricky again on the 19th
of June.

Return to Dawson City.

* To Pay advance to Ricky
for 4 wheelers.

PRIORITÉS
PRIORITIES

JUN 2
JUNE 2

am

9

10

11

12

pm

1

2

3

4

☀ ☁ ☔ ❄ °C

19 JUN
JUNE

PRIORITÉS
PRIORITIES



am Meet with Ricky & Pappal
9 am #1000 advance for
4 wheelers.

10 Worked on trail $\frac{1}{2}$ day
but only advanced 500'
as was difficult to get
11 around mud slide.

12

4

20 JUN
JUNE

PRIORITÉS
PRIORITIES



am Cut approx $\frac{1}{2}$ mile trail

9 Panned un-named right
limit creek.

10 Found fine black sand
* and trace of gold.

11

3

12

4

PRIORITÉS
PRIORITIES

JUN 21
JUNE



am 1 2 3 4 5 6 7 8 9 10 11 12 pm

9 1

10 2

11 3

12 4

PRIORITÉS
PRIORITIES

JUN 22
JUNE



am 1 2 3 4 5 6 7 8 9 10 11 12 pm

9 1

10 2

11 3

12 4

Cut $\frac{1}{2}$ mile of trail

Moved up onto bench of old glacial gravels on right limit of creek.

Cut $\frac{1}{2}$ mile of trail

Trail is now on the headwaters of the chain of lakes water shed that drains into McGregor creek.

Still heading north with trail.

23 JUN
JUNE

PRIORITÉS
PRIORITIES



am cut $\frac{1}{2}$ mile of trail. pm

9 1

We had to route trail
up a steep hill to the
west to get out from
thick bush & deadfalls.

11 3

12 4

24 JUN
JUNE

PRIORITÉS
PRIORITIES



am cut $\frac{1}{2}$ mile of trail. pm

9 1

Trail goes back down
the hill and across
the creek.

10 2

Panned in creek
(fine black sand)

11 3

heading north up the
mountain with trail

12 4

PRIORITÉS
PRIORITIES

JUIN
JUNE 25

☀ ☁ 🌧 ❄ —°C

am
9 Cut $\frac{1}{2}$ mile of trail. pm 1
10 We hit an old burn.
Turned to the east &
cut our way through. 2
11 3
12 4

PRIORITÉS
PRIORITIES

JUIN
JUNE 26

☀ ☁ 🌧 ❄ —°C

am
9 Broke through onto pm 1
the top.
The top is good going
as it's only brush & brush
10 scattered with small 2
clearings.
On these clearings is old
11 glacial gravel & boulders. 3
Head back to Dawson City.
12 To meet Ricky again Aug 1st 4

PRIORITÉS
PRIORITIES

JUILLET
JULY 31



am _____ pm

9 _____ 1

10 _____ 2

11 _____ 3

12 _____ 4

PRIORITÉS
PRIORITIES

AOÛT
AUGUST 1



am _____ pm

9 _____ 1

10 _____ 2

11 _____ 3

12 _____ 4

Bring steamer from Dawson to Caynacks and catch it at cabin for latter use.
Plan with Ricky to stake the canyon in the morning.

2 AOÛT
AUGUST

PRIORITÉS
PRIORITIES



am Found sackboard, gun, pm
9 eating utensils ect on trail. 1

We believe these must belong
10 to the dead prospector, 2
Bill or William LANGHAM.

11 We got past #1 in an 3 mile
canyon placer base.

All visible rock along way 4
is hornblende (predominately)
(fine grained)

3 AOÛT
AUGUST

PRIORITÉS
PRIORITIES



am Heading east to day post pm
9 #2 located 3 mile upstream. 1

10 Valley bottom is frozen but may
be substantial thaw where valley 2
narrows.

11 Post #2 in at bottom of mile
long lake. 3

At this location rock is hornblende
with $1\frac{1}{2}'' \times 1\frac{1}{2}''$ rosy squares.

12 On vally wall right limit at 4
800' is an inclined banded
quartz bands 8 to 10".

* counted 28 sheep along the way.

PRIORITÉS
PRIORITIES

ROÛT
AUGUST 4

[Empty dashed box for notes]



am Return to Dawson City. pm

9 Ricky to report the site of the dead prospector to the Carmacks RCMP. 1
10 2

11 We are to meet again at freeze up Oct - Nov. 3

12 4

PRIORITÉS
PRIORITIES

ROÛT
AUGUST 5

[Empty dashed box for notes]



am pm

9 1

10 2

11 3

12 4

A



29

OCTOBRE
OCTOBER

PRIORITÉS
PRIORITIES



am

pm

9

1

10

2

11

3

12

4

30

OCTOBRE
OCTOBER

PRIORITÉS
PRIORITIES



am

pm

9

1

10

2

11

3

12

4

Meet with Ricky for
planning session about
Nov. work.

To meet Nov. 6th at
Tatchun Lake Cabin.

2 NOVEMBRE
NOVEMBER

PRIORITÉS
PRIORITIES



am pm

9 1

10 2

11 3

12 4

3 NOVEMBRE
NOVEMBER

PRIORITÉS
PRIORITIES



am pm

1 1

10 2

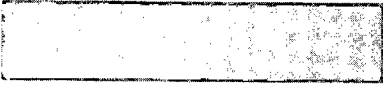
3 3

12 4

Phoned Ken Gallegos
in Whitehorse about
Plans at Tatchun.

I explained that I could
not do size-mech work as
it was not available
& that if you could get
it, it would be cost
prohibitive.

PRIORITÉS
PRIORITIES



NOVEMBRE
NOVEMBER 4



am pm

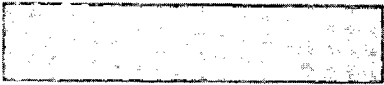
9 1

10 2

11 3

12 4

PRIORITÉS
PRIORITIES



NOVEMBRE
NOVEMBER 5



am pm

9 1

*Rick to pick up Max.
Must call or see Walter
Carmacks, RCMP
regarding dead prospector.*

10 2

11 3

12 4



6 NOVEMBRE
NOVEMBER

PRIORITÉS
PRIORITIES



am Arrived Tatchun around pm

9 noon. unloaded & got cabin in order. 1

10 Went to Larnacks to see RCMP about search for prospector's remains. 2

11 I agree to escort Wallace to the site tomorrow.

12 4

7 NOVEMBRE
NOVEMBER

PRIORITÉS
PRIORITIES



am 1 pm

9 I escorted Gort Wallace to site of dead prospector & assisted him in gathering the last remains & additional search of the area. 1 2

11 Back at cabin I did some mag lines nearby to see if magnetometer was working properly. 3 4

12 Background is 55



am Six magnetometer lines done
 9 between 1 mile & 2 mile north
 up the creek from trail head.
 Right limit of creek was a
 10 consistent background reading
 of 55 while the left limit was
 higher at 55.2 to 55.8.
 11 On chain of lakes two lines were
 done approx 1/2 mile each E-W
 along bottom of mountains.
 A reading of 56.2 for a 1000' stretch
 was noted on the left limit.
 Rock outcrops above appear red stain.
 LINE #1 from st. slightly magnetic &



am Three lines of mag. were done
 9 on ridge above post #2. 1
 LINE #1 E-W approx 1/2 mile
 LINE 2 S-N approx 1/2 mile
 10 LINE 3 E-SW approx 1/2 mile. 2
 All readings were background
 55 - 55.4
 11 Picked up sample of jasper 3
 marbled with lime green fine
 grained quartz.
 12 Also did mag. line on headwaters
 of creek that drains into the
 chain of lakes. (Background only)

NOTE: Sample was taken of Jasper & lime quartz
that matched the sample on top of ridge
about ^{PRIORITÉS} _{PRIORITÉS} canyon.

10 NOVEMBRE
NOVEMBER



am Returned to chain of lakes pm
9 where 1000' high reading was
A line was done S-N up the
mountain, then E-W where
10 the vein was intersected 2
A series of N-S lines were
then done & flagged with
11 results written on 56-60.
A 1500' vein running up the
mountain side at 30° SE to
12 N.W. was identified 4
All vein is covered with
slide rock & moss. No samples
taken.

11 NOVEMBRE
NOVEMBER

PRIORITÉS
PRIORITÉS



am Instructed James & Charlie to pm
9 dig a test at midway point 1
on identified vein.
Ricky & I did a mag. line
10 through the eastern pass and 2
into the canyon where five
mag lines were done at right
11 angle to creek approx 500' 3
apart, left limit had
slightly higher reading 55.2-55.8
12 indicating possible blue sand channel
Test hole was abandoned at end of
day as ft frost at 4' and I
estimated the slide would probably
be 16-20' deep.

am Dug another test hole at a lower pm

9 level on the vein (mag. 59.2) 1

Dug down 7' through glaucous slide rock before hitting frost.

10 Hematite found in slide rock as well as visible traces of native copper. 2

11 Identified another 1500' of vein on the upper end; Readings scattered off to background where the small 4
12 draw intersects.

13 Lit a fire in test hole before leaving to thaw frozen ground.

am Magnetometer returned to White 100

9 Dug out 12" of thaw from the vein test hole & relight the fire to gain more thaw. Still in

10 slide rock.

11 Assist Lammack's RCMP with their search for Bill Langham's body using metal detectors. But only found a few utensils. 2



14

NOVEMBRE
NOVEMBER

PRIORITÉS
PRIORITIES



am pm

9 1

10 2

11 3

12 4

12 4

15

NOVEMBRE
NOVEMBER

PRIORITÉS
PRIORITIES



am pm

9 1

10 2

11 3

12 4

12 4



am Dug out trench on vein. pm

9 Seams to be through a 2'-3' 1
gravel layer and into hard
rock of volcanic hematite-
10 magnetite mix. Not sure if
in place or more float.
Relight fire to gain more
11 thaw. 3

Start a placer shaft on creek
(left limit) approx. 2 miles upstream
from trail head and 1/4 mile
below (downstream) of vein.



am Dug out the thaw from the 17
trench on the vein. 1

Managed to get a full foot into
hard in place rock. This is
10 definitely a vein of iron. 2
Hematite primarily but when
ground up some samples are
11 magnetic. 10% magnetite. 3

12 Tent & steamer moved from
camp to site of placer shaft
& set up.



18 NOVEMBRE
NOVEMBER

PRIORITÉS
PRIORITIES



am Haul 25 gal. of water pm
9 from Tatchun lake to shaft 1
site as no water or snow
available, here to use.
10 Steam the hole & manage 2
to muck out 2'.
Recycle the water from
11 the hole to be used the 3
next day.

12 4

19 NOVEMBRE
NOVEMBER

PRIORITÉS
PRIORITIES



am Dug out the previous days pm
9 thaw (all mud) and did 1
another steam.
10 A pattern of nine holes 2
works the best in the
mud as the remainder
11 of un-thawed ground can 3
easily be chiseled away.
12 Shaft is now 5' deep 4
& still in mud.

PRIORITÉS
PRIORITIES

NOVEMBRE
NOVEMBER

20



am Dig out mud down to pm
9 8' deep & do another steam. 1

10 The shaft is 2' below the
right limit creek gravel but
still in mud indicating
11 a deeper older channel on
the left limit under the 3
shaft.

12

4

PRIORITÉS
PRIORITIES

NOVEMBRE
NOVEMBER

21



am Dig out the mud down am
9 to 10' depth where frozen 1
gravel was hit

10 Put another steam into 2
the ground.

11 NOTE: In gravel, put only
one or two steam point
down the middle to be
12 careful of getting too much
draw in the gravel as it
is more conductive than mud.

22

NOVEMBRE
NOVEMBER

PRIORITÉS
PRIORITIES



am Dug out to 12' deep and
9 did another stream 1

10 Fine black sand can be
panned. 60% magnetic 2

11 3

12 4

23

NOVEMBRE
NOVEMBER

PRIORITÉS
PRIORITIES



am Dug out to 14' depth pm

9 Panned out bulk sample
of 10 pails for .1 gram of gold. 1

$$1 \text{ yard} = 46656 \text{ cubic inch } L \times W \times H \quad W = 36''$$

$$1/10 \text{ pail} = 1809.56 \text{ " " " } \pi R^2 \times H \quad \text{dia} = 12'' H = 16''$$

$$1809.56 / 46656 = 25.78 \text{ pails/cubic yard}$$

$$1/02 = 28.349 \text{ gram} \div .1 \text{ gram} = 283 \text{ part}/02.3$$

$$102 \text{ gold} = \$400.00 \text{ can.}$$

$$400.00 \div 283 = 1.41 \text{ can}/10 \text{ pails}$$

$$25.78 \text{ pails} \div 10 = 2.578 4$$

$$2.578 \times \$1.41 = \$3.63 \text{ can}/\text{yard}$$

Gold consist of 5 colour + dust

PRIORITÉS
PRIORITIES

NOVEMBRE
NOVEMBER

24

[Empty box for notes]



am pm

9 Put steam down the hole and cut more fire wood for next day. 1

10 2

11 3

12 4

PRIORITÉS
PRIORITIES

NOVEMBRE
NOVEMBER

25

[Empty box for notes]



am pm

9 Dug out to 16', now into big rocks & washed gravel. 1

10 Panning reveals only fine black sands. 2

11 Put down another steam. 3

12 4



26

NOVEMBRE
NOVEMBER

PRIORITÉS
PRIORITIES



am Dig out to 18'; big rocks^{gm}
9 & washed gravel. 1

10 Panning - fine black sand. 2

Note: 30% of rocks appear
11 similar to woodcutters ridge. 3

or up chain of lakes
headwater; the rest are
12 unknown origin, most 4
plausible; glacial carried.

Put down another steam.

27

NOVEMBRE
NOVEMBER

PRIORITÉS
PRIORITIES



am Muck out hole to 20' deep^{gm}
9 1

The gravels are getting finer
& lighter with silt.
10 Could be close to bedrock. 2

11 Panning revealed only
fine black sands. 3

12 A 7' to 8' coarse washed
gravel layer is now evident
on shaft walls. 4

Put down another steam.

PRIORITÉS
PRIORITIES

NOVEMBRE
NOVEMBER

28

am

Muck out to 22' depth ^{pm}

9 Now 1/2' into silt with
no gravel & only a 1/4 cur
of sand per pan

10 - little or no heavys. 2

Put down another steam.

11 Point went down too easy. 3

indicating no gravel.

12 4

PRIORITÉS
PRIORITIES

NOVEMBRE
NOVEMBER

29

am

Muck out to 24' depth ^{pm}

9 All silt - no gravel no
black sands no gold. 1

10 Put another steam down. 2

Put another steam down.

11 3

12 4

N

30

NOVEMBRE
NOVEMBER

PRIORITÉS
PRIORITIES



am Dug out to 26' depth. pm

9 1

All silt - no gravel,
- no heavys - no gold.

10 2

Put another steam down
the hole.

11 3

Gravel above becoming
dangerous while steaming
as it comes loose.

12 4

Must stay out while steam
& seal walls upon entry.

1

DÉCEMBRE
DECEMBER

PRIORITÉS
PRIORITIES



am Dug out to 28½' depth. pm

9 All silt - no gravel no heavys

Put down another steam.

10 Decided to abandon hole as 2

the hole was getting too deep
with overburden to justify

11 minning unless values were 3

very high.

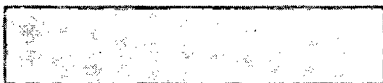
Also if silt were to contact

12 bedrock it would probably 4

indicate scoured of gold.

PRIORITÉS
PRIORITIES

DÉCEMBRE
DECEMBER 2



am pm

9 1

Made several trips in
and out to load out
the gear.

10 2

covered hole.

11 3

12 4

PRIORITÉS
PRIORITIES

DÉCEMBRE
DECEMBER 3



am pm

9 1

Packed up food stuffs
etc and return to
Dawson City.

10 2

11 3

Went to the store to buy
some more food.

12 4

Wrote up notes on
the trip.



4 DÉCEMBRE
DECEMBER

PRIORITÉS
PRIORITIES



am pm

9 1

10 2

11 3

12 4

5 DÉCEMBRE
DECEMBER

PRIORITÉS
PRIORITIES



am pm

9 1

10 2

11 3

12 4

Ricky & Charlie went
back and dug out
another $1\frac{1}{2}$ ' to 30' depth.

He reported getting two
colour gold per pan quite
consistently.

Sand gravel (fine) and
silt with compaction.

Must be close to Bedrock.
Damn!

PRIORITÉS
PRIORITIES

DÉCEMBRE 6
DECEMBER



am Found an aerial mag pm
9 map of Carmacks area 1
at Shown.

10 Shows 3 mag highs in 2
a row over site # 2 (VEIN)

11 3

12 4

PRIORITÉS
PRIORITIES

DÉCEMBRE 7
DECEMBER



am Research REF. pm

9 Geology of Canadian 1
Mineral Deposit Types

10 Volcanic Redbed Copper Pg 241 2

11 Given the association with hematite
and the visible copper found in
the float above the vein, I believe

12 I may have identified a deposit
of this type. NOTE Mag highs
from aerial (if hematite) could
mean a large Reserve.

D



DTS
 (SHEETS MOUNTED) A 1000 B
 T J G K (KATERSIN) HARRIS
 HARRIS

1/4" = 1 mile
1/2" = 1 mile

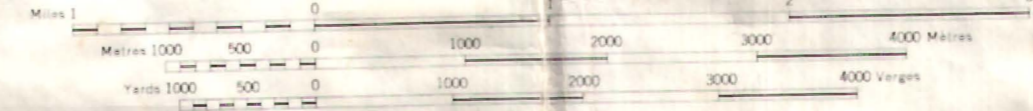
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YUKON CROSSING YUKON TERRITORY

SCALE 1:50,000 ÉCHELLE



CONTOUR INTERVAL 100 FEET
Elevations in Feet above Mean Sea Level
North American Datum 1927
Transverse Mercator Projection

ÉCHELLE DES COURBES: 100 PIEDS
Élévation en pieds au-dessus du niveau moyen de la mer
Réseau géodésique nord-américain unifié (1927)
Projection transverse de Mercator

Building	Shaded	Well	Shaded
School	Ellipse	Well, open	Circle with dot
Church	Square	Well, covered	Circle with cross
Ignition	Circle	Well, dry	Circle with center dot
Road with bridge	Line with bridge	Well, intermittent or dry	Circle with horizontal line
Stream, intermittent or dry	Line with wavy dashes	Well, intermittent by level	Circle with horizontal line and dot
Lake, intermittent, or dry	Line with wavy dashes	Well, intermittent, not covered	Circle with horizontal line and cross
Maple or Spruce	Line with wavy dashes	Well, intermittent, covered	Circle with horizontal line and dot and cross
Deciduous conifers	Line with wavy dashes	Well, intermittent, covered	Circle with horizontal line and dot and cross

GRID ZONE DESIGNATION	100,000 M SQUARE IDENTIFICATION
8V	ME

TO GET A REFERENCE TO NAME OF 100 METRES

EXAMPLE: ROCKS

Rock	37
Locate limits of a square from this line rounded to next	19
Rock	379
Locate limits of a square from this line rounded to next	19
Rock	6
Locate limits of a square from this line rounded to next	196

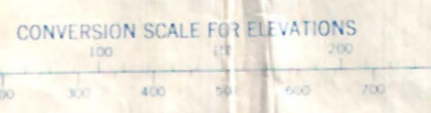
Nearest similar grid reference 379196

ROADS-ROUTES
hard surface - pavé
loose surface - en gravier
cart track - de terre
trail - sentier

Interim corrections 1979
Corrections provisoires 1979

The nomenclature on this map has not been submitted to the Canadian Board on Geographical Names and may be subject to revision. Information on names is invited by the Surveys and Mapping Branch.

La nomenclature de la présente carte n'a pas été soumise à la Commission canadienne des noms géographiques et, par conséquent, elle pourrait faire l'objet d'une révision. Tous renseignements sur les noms seront bien accueillis par la Direction des levés et de la cartographie.



ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 8

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