

# MACDONALD CONSULTANTS LTD.

SUITE 12 - 425 HOWE STREET, VANCOUVER 1, B.C.

///

Geophysical Report on the J & T Groups  
of mineral claims, located  
approximately two miles <sup>west</sup> ~~southeast~~  
of Tetzalto Mountain, 54° x 125° S.E.

by

MacDonald Consultants Limited

E. D. Dodson, P. Eng.

for Tapin Copper Mines Ltd. (N.P.L.)

May 11 to June 8, 1967

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Map (In Pocket) -- Magnetometer Survey of J & T Group of Claims of Taltapin Mountain Property	# /

## INTRODUCTION

During the period May 11 to June 8, 1967 a crew of three men were employed in a magnetometer survey of the "J" & "T" groups of mineral claims of Tapin Copper Mines Ltd. This work was carried out under extremely difficult conditions. Snow-melt was well under way but two to four feet of soft snow remained on most parts of the property.

At a later date the writer visited the ground for a three-day period to establish the probable cause of the magnetic highs.

## METHOD EMPLOYED AND AREA COVERED

The instrument used was a Sharpe MF-1 fluxgate type magnetometer. This instrument measures the vertical component, is hand-held, requires only rough-levelling and no orientation. Gamma values are read directly and sensitivity is twenty gammas per scale division on the 1000 gamma range.

The entire area of the claims was covered on a grid based on the original staking. Individual cut-lines at right angles to the claim lines originate at the claim posts. Spacing between lines is generally in the order of 1500 feet, although locally it drops to less than 1000 feet. Individual readings were taken at 400 foot intervals along the cross lines.

## GEOLOGY

No geological map was prepared but the writer spent three days on the ground doing reconnaissance. The property is underlain by rocks of the Cache Creek group. In this area these rocks consist chiefly of argillaceous to quartzitic rocks interbedded with bands of chloritic schists. The schists are thought to represent former volcanic members.

## RESULTS & CONCLUSIONS

The results of the above work are plotted on the accompanying map. In general, the area is relatively magnetically flat, the range barely exceeding 1000 gammas over the entire property.

A small band of "highs" crosses the property in a northwesterly direction. This band corresponds very well with the outcrop of schistose chloritic rocks. The schists carry varying amounts of accessory magnetite visible in hand-specimen. Locally, as at the common post of J9, J10, J11 and J12 magnetite is a prominent constituent.

cont'd. . .

The writer believes that the schists are entirely responsible for the belt of "highs". The variable readings within the belt appear to be the combined result of varying magnetite content and topography.

On the basis of the above conclusion the writer cannot recommend any further work.

#### OPERATOR'S QUALIFICATIONS

The program described herein was carried out under the supervision of the writer. The operator, Mr. Trygve Hoy is a third year geology student. He had not used this instrument before but was fully instructed in its use, including regular checks on a base station. The results obtained indicate that he effectively carried out the survey.

#### AFFIDAVITS

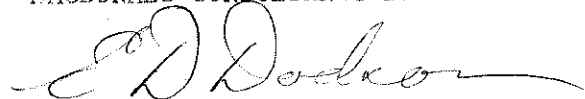
Affidavits as to the cost of the survey are appended to this report. The costs may be apportioned to the claim groups as follows:

"J" North - \$2100  
"J" South - \$2100  
"T" Group - \$2700

Affidavits on Application for Certificate of Work are also attached.

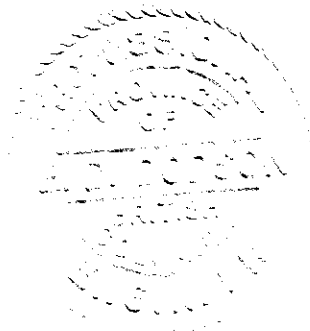
Respectfully submitted,

MACDONALD CONSULTANTS LIMITED



E. D. Dodson, P. Eng.

EDD/st



DOMINION OF CANADA:  
PROVINCE OF BRITISH COLUMBIA.  
To Wit:

In the Matter of Geophysical Report on the J & T Groups of mineral claims, located approximately two miles southeast of Tetzalto Mountain, 54° x 125° S. E. by MacDonald Consultants Ltd. E. D. Dodson, P. Eng. for Tapin Copper Mines Ltd. (N.P.L.) May 11 to June 8, 1967

I, Earl D. Dodson

of 12 - 425 Howe Street, Vancouver 1, B. C.

in the Province of British Columbia, do solemnly declare that expenditures directly relating to the execution of this geophysical survey total or exceed the sum of \$6,957.84.

The above costs were incurred by Tapin Copper Mines Ltd. as follows:

Salaries, Wages and Fringe Benefits	\$3,657.36
Consultants fees	926.15
Equipment Rentals & Camp Costs	600.00
Fixed wing and Helicopter Costs	<u>1,774.33</u>
	<u>\$6,957.84</u>

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath and by virtue of the "Canada Evidence Act."

Declared before me at the *City*  
of *Vancouver*, in the  
Province of British Columbia, this *16*  
day of *October*, 1967, A.D.

*E. D. Dodson*

*L. Jeannotte*  
A Commissioner for taking Affidavits for British Columbia or  
A Notary Public in and for the Province of British Columbia.

.0 T

3 2 7.0 0  
4 4.0 0  
4 0.0 0  
2 3 3.3 3  
2 8 0.0 0  
6 4.0 0  
2 3 3.0 0  
1 9 8.0 0  
3 1 5.0 0  
4 0.0 0  
1, 7 7 4.3 3 T

Phone 2591 - Fort Simpson, N.W.T.

Phone 2211 - Hay River, N.W.T.

# Northern Mountain Airlines Ltd.

## CHARTER TICKET

Main Office:  
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P.O. Box 368  
PRINCE GEORGE, B.C.

Phone 2545  
P.O. Box 251  
FORT SMITH, N.W.T.

Phone 996-8224  
P.O. Box 280  
FORT ST. JAMES, B.C.

NAME: *Macdonald and Consultants*  
*11-425 Howe St. Van.*  
*Re. Tapan Copper*

DATE <i>May 26 / 67</i>	CASH	CHARGE WARRANT <input checked="" type="checkbox"/>
A/C <i>Bell</i>	CF- <i>UVK</i>	BASE <i>Ft. St. James</i>

*Ft. St. James - Tapan Copper -*  
*Ft. St. James*

*327 -*  
*47*

*2:20 hr. @ \$140*

*Service trip & all men returning*  
*to property ED*

AUTHORIZED BY: <i>Fred P. Mode</i>	E. & O. E.	TOTAL CHARGE <i>327 -</i> <i>47</i>
PILOT: <i>John King</i>	No 13269	

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Phone 996-8224  
P.O. Box 280  
FORT ST. JAMES, B.C.

NAME: *M. DONALD CONSULTANTS*  
*1724 11-425 Howe St RE TAPAN COPPER*  
*Vancouver B.C.*

DATE <i>MAY 26 / 67</i>	CASH	CHARGE WARRANT <input checked="" type="checkbox"/>
A/C <i>CIBS</i>	CF- <i>PVF</i>	BASE <i>IST</i>

*FORT ST JAMES - BABINE*  
*PORTAGE*

*80 MILES @ 55¢ MILE 44.00*

*Sandy's please & break up.*  
*1 PASSENGER - FOOD & GEAR*  
*← see opposite*

AUTHORIZED BY: <i>Sandy Rheame</i>	E. & O. E.	TOTAL CHARGE <i>44.00</i>
PILOT: <i>W. Smith</i>	No 11826	

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Phone 2211 - Hay River, N.W.T.

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Phone 996 - 8224

P.O. Box 280

FORT ST. JAMES, B.C.

NAME: Mac Donald + Associates  
 11-425 Howe St.  
 Vancouver 1 B.C.

DATE	May 25/67	CASH	CHARGE WARRANT
A/C	180	CF- RO	BASE F.S.J.

Fort St James - Cabine East -  
 Fort St James  
 80 Miles @ 50¢ per mile \$40.00

all crew out to Ft St James  
 repair to glasses of one requiring  
 second to drive him to Prince George  
 This could not be left alone

AUTHORIZED BY:

Sylvie Hoy

PILOT:

John Stupin

E. &amp; O. E.

TOTAL CHARGE

\$40.00

No 11651

Phone 2591 - Fort Simpson, N.W.T.

Phone 2211 - Hay River, N.W.T.

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Phone 2545

P.O. Box 251

FORT SMITH, N.W.T.

Phone 996 - 8224

P.O. Box 280

FORT ST. JAMES, B.C.

NAME: Macdonald Consultants  
 RE: TAPIN COPPER  
 11-425 Howe St. Van.

DATE	May 25/67	CASH	CHARGE WARRANT
A/C	Bell	CF- UVK	BASE Ft. St. James.

Ft. St. James - Tapin Copper -  
 Ft. St. James.

1:40 hrs. @ \$1.40 233.33  
~~1:40 hrs.~~

← see opposite

AUTHORIZED BY:

Fred P. Hude

PILOT:

John Stupin

E. &amp; O. E.

TOTAL CHARGE

233.33

No 13267



Phone 2591 - Fort Simpson, N.W.T.

Phone 2211 - Hay River, N.W.T.

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FORT SMITH, N.W.T.

Phone 996-8224  
P.O. Box 280  
FORT ST. JAMES, B.C.

NAME: *Macdonald Consultants*  
*11-425 Howe St*  
*Van. 1 B.C.*

DATE <i>May 11/67</i>	CASH	CHARGE WARRANT <input checked="" type="checkbox"/>
A/C <i>Bell</i>	CF- <i>UVK</i>	BASE <i>Ft. St. James.</i>

*Ft. St. James - Behne Lake -*  
*Ft. St. James.*  
  
*2:00 hrs @ \$140. 280.-*  
  
*Taking crew and gear to property*

AUTHORIZED BY: <i>Fred P. Knode</i>	E. & O. E.	TOTAL CHARGE <i>280.-</i>
PILOT: <i>John King</i>		<b>Nº 13264</b>

Phone 2591 - Fort Simpson, N.W.T.

Phone 2211 - Hay River, N.W.T.

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P.O. Box 251  
FORT SMITH, N.W.T.

Phone 996-8224  
P.O. Box 280  
FORT ST. JAMES, B.C.

NAME: *McDONALD CONSULTANTS*  
*11-425 HOWE ST*  
*VANCOUVER 1*

DATE <i>MAY 11/67</i>	CASH	CHARGE WARRANT <input checked="" type="checkbox"/>
A/C <i>BEAVER</i>	CF- <i>IOB</i>	BASE <i>FST</i>

*F.S.J - SUTHERLAND RIVER*  
  
*80 MILES @ 80¢ mile ~~64.00~~*  
  
*see opposite crew to property*

AUTHORIZED BY: <i>Ingeve Way</i>	E. & O. E.	TOTAL CHARGE <del>80.00</del> <i>64.00</i>
PILOT: <i>B Hallock</i>		<b>Nº 11036</b>

1 - Fort Simpson, N.W.T.

Phone 2211 - Hay River, N.W.T.

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Phone 2545

P.O. Box 251

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Phone 996-8224

P.O. Box 280

FORT ST. JAMES, B.C.

NAME: <i>Macdonald Consultants</i> <i>11-425 Howe St.</i> <i>Van. B.C.</i>		
DATE	CASH	CHARGE WARRANT
<i>June 17/67</i>		<input checked="" type="checkbox"/>
A/C	CF-	BASE
<i>Bell</i>	<i>UVK</i>	<i>Ft. St. James</i>

*Ft. St. James - Tapiro Copper -*  
*Ft. St. James.*

*1:40 hrs @ \$140*

*233-*

*E.D. Dodson & Co. Inc. result*  
*of mag. survey - from property*  
*to F.S.T.*

AUTHORIZED BY:	E. & O. E.	TOTAL CHARGE
<i>E.D. Dodson</i>		<i>233-</i>
PILOT:		No
<i>John King</i>		<i>9287</i>

Fort Simpson, N.W.T.

Phone 2211 - Hay River, N.W.T.

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Phone 2545

P.O. Box 251

FORT SMITH, N.W.T.

Phone 996-8224

P.O. Box 280

FORT ST. JAMES, B.C.

NAME: <i>Macdonald Consultants</i> <i>11-425 Howe St.</i> <i>Van. B.C.</i>		
DATE	CASH	CHARGE WARRANT
<i>June 15/67</i>		<input checked="" type="checkbox"/>
A/C	CF-	BASE
<i>Bell</i>	<i>UVK</i>	<i>Ft. St. James.</i>

*Ft. St. James - Tapiro Copper -*  
*Ft. St. James.*

*1:25 hrs. @ \$140*

*198-*

*as opposite to property*  
*10/67*

AUTHORIZED BY:	E. & O. E.	TOTAL CHARGE
<i>E.D. Dodson</i>		<i>198-</i>
PILOT:		No
<i>John King.</i>		<i>9286</i>

Phone 2591 Fort Simpson, N.W.T.

Phone 2211 - Hay River, N.W.T.

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Phone 996-8224

P.O. Box 280

FORT ST. JAMES, B.C.

NAME: *Macdonald Consultants*  
*1125 - 425 Howe St. Re Tapin Copper*  
*Van 1 B.C.*

DATE	CASH	CHARGE WARRANT
<i>June 8/67</i>		<input checked="" type="checkbox"/>
A/C	CF	BASE
<i>Bell</i>	<i>UVK</i>	<i>Ft. St. James</i>

*Ft. St. James - Tapin Copper*  
*- Ft. St. James*  
*2:15 hrs at 140* 315-  
*Crew to Ft. St. James*  
*at conclusion of job*

AUTHORIZED BY: <i>Fred P. Rhode</i>	E. & O. E.	TOTAL CHARGE	<i>315-</i>
PILOT: <i>John King</i>		No	<i>9280</i>

Phone Fort Simpson, N.W.T.

Phone 2211 - Hay River, N.W.T.

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Phone 996-8224

P.O. Box 280

FORT ST. JAMES, B.C.

NAME: *MACDONALD CONSULTANTS*  
*11-425 HOWE ST., VANCOUVER 1, B.C.*

*RE: TAPIN COPPER*

DATE	CASH	CHARGE WARRANT
<i>June 8, 1967</i>		<input checked="" type="checkbox"/>
A/C	CF	BASE
<i>180</i>	<i>4A0</i>	<i>Ft. St. James</i>

*Ft. St. James - Dubins Lake -*  
*11.5 Ft. James 40 mi @ 30¢ per mi* \$40.00  
*1 pass + Gear*  
*out*  
*see opposite*

AUTHORIZED BY: <i>Fred P. Rhode</i>	E. & O. E.	TOTAL CHARGE	<i>\$40.00</i>
PILOT: <i>Walter Sheppard</i>		No	<i>11662</i>

# MAGDONALD CONSULTANTS LTD.

SUITE 11 - 425 HOWE STREET, VANCOUVER 1, B.C.

June 15th, 1967

Job 218

Invoice No. 174

Tapin Copper Mines Ltd.  
16 - 425 Howe Street  
Vancouver 1, B. C.

RE: PROFESSIONAL SERVICES FOR MAY 1967

E. D. Dodson	4 2/3 days @ \$1050.00/month	\$ 213.04
F. P. Thode	1 month @ \$850.00/month	850.00
T. Hoy	1 month @ \$550.00/month	550.00
A. Rheame	1 month @ \$450.00/month	450.00
		2063.04
	Plus Fringe @ 20%	412.61
		2475.65
	Consultants Fee @ 25% of \$2475.65	618.91
		3094.56

Expenses:

E. D. Dodson	\$ 5.54	
C. P. Airlines	70.00	
L. R. Dickinson Groceries	122.56	
F. P. Thode - Expenses	444.76	
F. P. Thode - Expenses	314.90	
Jones Tent & Awning	59.44	
Eldrico Geophysical Sales Ltd.	228.10	
Willson Stationers	5.25	
Canadian Marconi rental - radio	100.00	
		1350.55
		\$ 4445.11

## MACDONALD CONSULTANTS LTD.

SUITE 11 - 425 HOWE STREET, VANCOUVER 1, B.C.

June 30th, 1967

Job No. 218

Invoice No. 204

Tapin Copper Limited  
 c/o Mr. W. F. Knox  
 115 - 815 West Hastings Street  
 Vancouver 1, B. C.

RE: PROFESSIONAL SERVICES FOR JUNE 1967

A. J. MacDonald	1 day		N/C
E. D. Dodson	4 2/3 days @ \$1050.00/month	\$ 213.04	
F. P. Thode	8 days @ \$850.00/month	295.65	
T. Hoy	12 1/4 days @ \$550.00/month	292.93	
A. Rheume	8 days @ \$450.00/month	156.52	
T. M. Williams	1 day @ \$425.00/month	18.48	
		<u>976.62</u>	
	Plus Fringe @ 20%	205.09	
		<u>1181.71</u>	
	Consulting Fee @ 25% of \$1181.71	<u>307.24</u>	1488.95

Expenses:

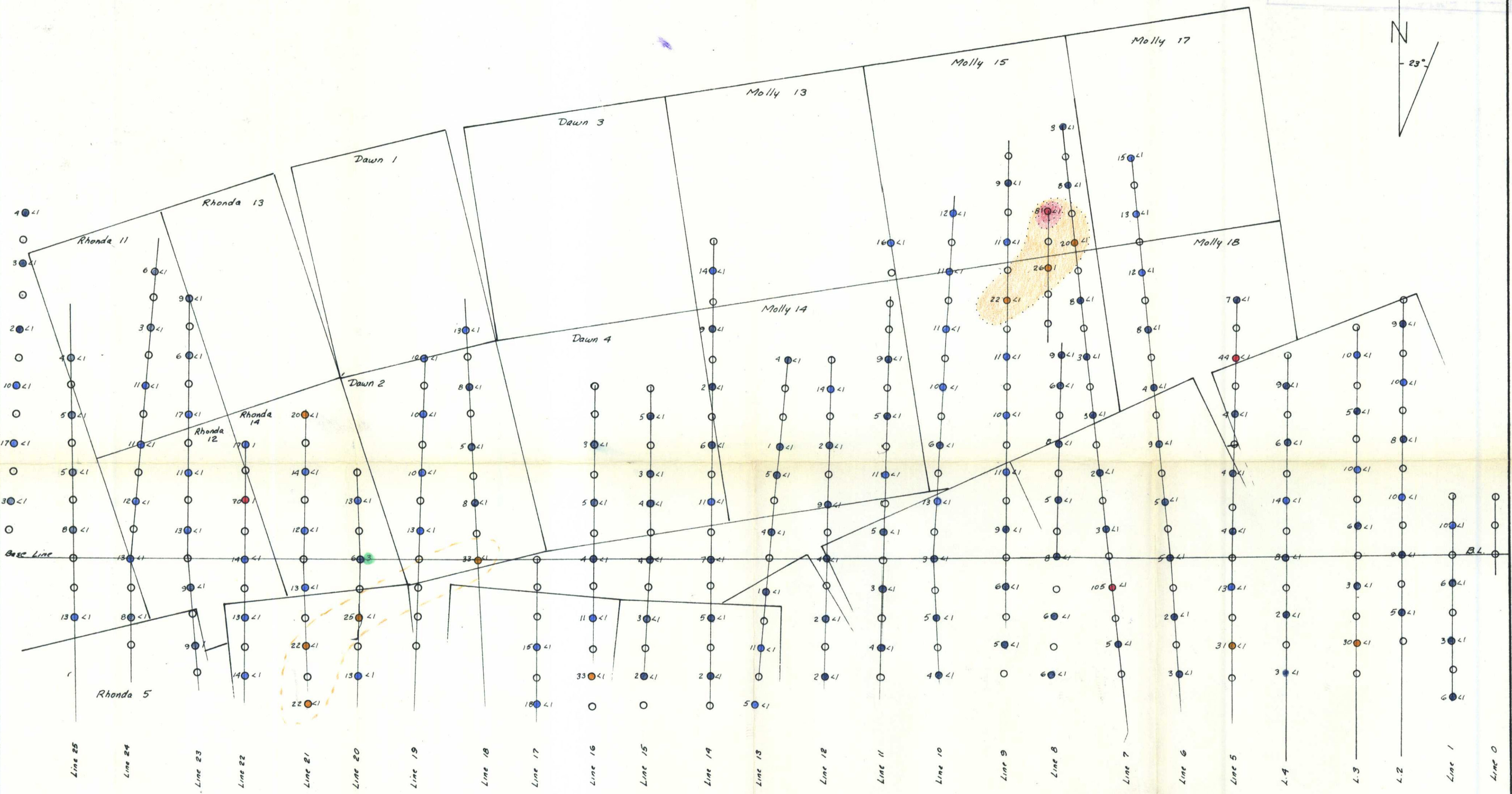
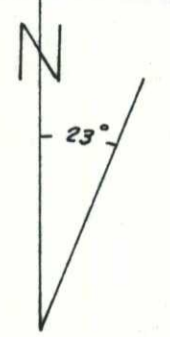
Eldrico Geophysical Sales Limited	\$ 110.00	
B. C. Telephone Company	4.85	
F. P. Thode - Expenses	53.96	
B. C. Telephone Company	11.25	
White Prints Supplied --		
1 Only 22" x 34" = 5 sq. ft.		
@ \$0.07 sq. ft.	.35	
Photo Copies Supplied - 25 Only	3.75	
Canadian Marconi - Radio Rental 1/2 month	50.00	
Camp - Geological Supplies & Equipment		
Rental for half month	<u>179.35</u>	<u>413.51</u>
		<u>\$ 1902.46</u>

To accompany geochemical report by H.S. Lazenby  
 on the Silver King East group, twelve miles northwest  
 of Peachland, B.C., Osoyoos M.D., dated 16/11/67

*H.S. Lazenby*

N.T.S. 82-E-13

MINING ACT  
 DEPARTMENT OF MINES  
 AND TECHNICAL SURVEYING  
 BRITISH COLUMBIA



**LEGEND.**

MOLYBDENUM		COPPER	
> 3 = Significant values	○ Sample location	○ < 9 p.p.m.	○ Sample location
32 ○ Copper (p.p.m.)	○ Molybdenum (p.p.m.)	■ 10-19 p.p.m.	■ 10-19 p.p.m.
		■ 20-39 p.p.m.	■ 20-39 p.p.m.
		■ 40-79 p.p.m.	■ 40-79 p.p.m.
		■ 80-160 p.p.m.	■ 80-160 p.p.m.

FIG. 3  
 ANUK RIVER MINES LTD.  
 SILVER KING EAST GROUP  
 GEOCHEMICAL PLAN  
 SCALE: 1" = 500'  
 8/11/67

1110

H.S.L.