

2448

GEOLOGICAL, GEOCHEMICAL REPORT

STARR CREEK PROPERTY

TELKWA MOUNTAIN MINES LTD.

OMINECA MINING DIVISION, B.C.

FOR

TELKWA MOUNTAIN MINES LTD. (N.P.L.)

Toru Kikuchi, Ph.D., P. Eng.

Consulting Geological Engineer.

November 18, 1969.

Vancouver, B.C.

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with 4 illustrations.

- Fig. 1 - Location Map, ----- Rear*
1" = 4 miles
- Fig. 2 - Claim Map, ----- "*
- Fig. 3 - Geological Map, ----- Rear Pocket*
1" = 500'
- Fig. 4 - Geochemical Map, ----- " "*
1" = 500'

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 2448 MAP

GEOLOGICAL, GEOCHEMICAL REPORT
STARR CREEK PROPERTY
TELKWA MOUNTAIN MINES LTD.
OMINECA MINING DIVISION, B.C.

I. INTRODUCTION AND GENERAL STATEMENT

At the request of Mr. Edward Greer, President, Telkwa Mountain Mines Ltd. (N.P.L.), the writer has been on the property, in the company of Mr. Greer, Mr. Hans Kneteman (one of the Directors of the company) and Mr. Rex Bosson (Mining Engineer), on July 21 - 23, 1969 to make a preliminary investigation as to its further consideration, and on August 23 - 24, 1969 to supervise the geological/geochemical work being carried on at the site by Motomu Kiyokawa (a partner geologist of the writer) and Tetsuo Nishiuchi (an assistant geologist) during the period August 15 - 31, 1969.

The following references are to be used:-

Toru Kikuchi: Preliminary Geological Report,
Starr Creek Property,
Telkwa Mountain Mines Ltd.
Omineca Mining Division, B.C.
August 5th, 1969.

The Company's Prospectus (January 29, 1969)

E.D. Kindle: Mineral Resources, Hazelton and Smithers Areas,
Cassiar and Coast District, B.C. G.S.C. Memoir
223, 1954.

Preliminary Map 44 - 23, Smithers Coast District, B.C. G.S.C.
1944.

V. Dolmage: Telkwa District, B.C., G.S.C., 1918.

W.W. Leach: Telkwa River and Vicinity, G.S.C., 1907.

The copper showings of this area have been known from the beginning of this century, and some mineral claims were staked intermittently until recent years. Mr. E. Greer, prospector and president of this company, has staked and owned the property from 1967. More detailed historical information was given in the company's Prospectus (January, 1969).

The Mineral claims owned by the company and described in this report are:-

BL 1 - 24 inclusive
PG 1 - 32 inclusive
SC 3 - 8 inclusive and 12, 13 and 14
RB 1 - 18 inclusive 1 -
HK 1 - 5 inclusive
SR 11 and 13
TK 1 - 6 inclusive 1 -

All these 96 claims are adjacent as shown in Fig. 2.

The property is located at approximately $54^{\circ} 30' N$, $127^{\circ} 30' W$, about about 21 air-miles southwest of Smithers, B.C., between 4,500' and 6,500' elevation. The access road from Telkwa, along Telkwa River and Howson Creek, via Norcan camp, has been completed for a distance of about 25 road miles. Some parts of the road are not good enough yet. Convenient means of access for visitors at the moment is by helicopter from Smithers. (See Fig. 1.)

II. GEOLOGY, MINERALIZATION AND COPPER-DEPOSIT

The so-called "Hazelton Group" of Upper Jurassic as the underlying formation, granitic intrusion of Upper Cretaceous, and the contact ("Hybrid") zone of both rocks appear in the area.

Hazelton Group of the area mainly consists of andesite, dacite, rhyolite, tuff and breccia. General strike is E - W, gently dipping to the north. The intrusive rocks are granite, syenite, monzonite, diorite and some more basic ones, and their porphyritic facies.

The property (see Fig. 2) is divided into two parts, northeast and southwest, by Starr Creek which runs through the property to the southeast. The northeast part is called "Sunrise Range" and the southwest is named "Wolverine Range". The granitic intrusive is located mainly at the west half of the property and andesitic volcanics are at the north-northeast, east, southeast and south parts of it.

The contact zone of both above mentioned rocks runs through the property, striking generally N 20° W, with a width of about 1,500' to 2,000' across Starr Creek. This zone, which is the host rock of the mineralization of the property, consists of mainly hybridized (physically and/or chemically) materials of both types of rock, that is some kind of porphyritic rock with a large amount of brecciated parts, being altered by the hydrothermal addendas, such as calcite, K-element, and a small amount of quartz.

The copper mineralization occurs in the hybrid zone, and many showings have been found. The modes of occurrence do not resemble each other, but they can be grouped into the following three types;

- (1) Dissemination in the granitic/dioritic intrusives.
- (2) Fissure-filling along the contact of andesitic volcanics and granitic/dioritic intrusives, with dissemination and/or network mainly in the granite/diorite side.

- (3) Fissure-filling along cracks of the hybrid rocks, with a general strike of N 20° W, the same as the strike of the contact zone.

These three types, genetically considered, seem to be of the same mineralization origin, and they appear, as showings, with different modes of occurrence.

The ore-forming mineral is mainly chalcopyrite, with some bornite and gray-coppers. Pyrite (a large amount) and magnetite (a small amount) are usually associated with them. No molybdenite can be seen, but some sphalerite and galena are recognized through a hand lens. Some assays reported some silver.

As gangues, calcite, quartz, K-spar, chlorite and some skarn-minerals are seen beside much of the altered rock.

The copper mineralization covers all through the property and copper showings and its floats have been found at many places as seen in Fig. 3 (in pocket). They are usually some combinations of the three types of mineralization above mentioned. The surface data we have had now suggests as follows, but it should be changed after some more drill data comes out;

- (A) Though the mineralization covers all the property, some concentrations are seen at (a) north of the camp, (b) Erica, Eddy and Dennis Creeks area, and (c) Wolverine Range.

- (B) The copper mineralization of (a) seems to be a combination of Type (1) and (2), along with the contact of tuff and acidic intrusive.
- (C) (b) seems to be mainly Type (1) in basic intrusive which is the different facies of the acidic intrusive.
- (D) (c) seems to be Type (1) in acidic intrusive.

The relationship and connection of these showings are not yet clear, and no tonnage estimate has been tried yet.

Twenty-two rock chip samples (fourteen of them have been reported in the writer's report dated August 5, 1969) were taken by the writer and assayed by T.S.L., Vancouver as follows:

| <u>Location No.</u> | <u>Sample No.</u> | <u>Cut Direction</u> | <u>Cut Length</u> | <u>Cu %</u> | <u>Type of Showings</u> |
|---------------------|-------------------|----------------------|-------------------|-------------|-------------------------|
| 1 | TW-10 | E-W | 10' | 2.15 | 2 |
| 2 | TW-11 | E-W | 20 | 0.32 | 2 |
| 3 | TW-12 | E-W | 100 | 0.03 | 2 |
| 4 | R- 9 | E-W | 0.5 | 0.70 | 3 |
| 5 | R- 8 | E-W | 20 | 0.05 | 1 |
| 6 | TW- 6 | N-S | 25 | 1.62 | 2 |
| 7 | R- 1 | E-W | 9 | 0.75 | 2 |
| 8 | TW- 7 | E-W | 10 | 0.64 | 3 |
| 9 | TW- 8 | E-W | 100 | 0.09 | 2 |
| 10 | R- 3 | E-W | 2 | 0.15 | 2 |
| 11 | TW- 9 | E-W | 30 | 0.25 | 2 |
| 12 | R- 7 | E-W | 6 | 0.25 | 2 |
| 13 | TW-14 | E-W | 15 | 0.35 | 2 |
| 14 | R- 6 | N-S | 30 | 1.31 | 2 |
| 15 | R- 4 | NW-SE | 20 | 0.30 | 2 |
| 16 | R- 5 | E-W | 1 | 0.29 | 2 |
| 17 | TW-13 | N-S | 150 | 0.37 | 1 |
| 18 | TW- 5 | NW-SE | 30 | trace | Average of falls |
| 19 | TW- 4 | N-S | 6 | 0.17 | 1 |
| 20 | TW- 3 | E-W | 20 | trace | Average of falls |
| 21 | TW- 2 | E-W | 9 | trace | 1 |
| 22 | TW- 1 | E-W | 6 | 0.10 | 1 |

(See Fig. 3 for location and number.)

(Refer T.S.L. Report No. V-6169 and T. Kikuchi's report dated August 5, 1969 for "TW", and T.S.L. Report No. V-6429 for "R".)

A total of 498 soil samples also were taken when geological mapping work was carried out. The sampling places were not on a systematic grid. These samples were tested by M. Kiyokawa under the writer's supervision at the laboratory of Britton Research Ltd., Vancouver, B.C. The results are plotted in Fig. 4.

III. CONCLUSION AND RECOMMENDATIONS

Some kind of disseminated copper deposit, that means low grade and huge tonnage, has been found in the property. There are a large number of copper-bearing veins and networks associated with the copper disseminated rocks. Consideration should be given to mining them together. The copper mineralization is not weak and the mineralized zone is large enough to suggest a large potentiality for an economical copper deposit in the property.

The relationship and combination of these showings should be clarified to find the copper concentrated parts, with further systematic exploration work.

The following, therefore is recommended for the 1970 season:

(1) ROAD REPAIR AND CAMP SETUP

This should be completed ahead of the other programmes

\$ 5,000.00

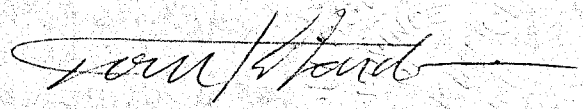
(2) FURTHER PROSPECTING AND GEOLOGICAL MAPPING PROGRAMME

This should be carried on all through the season for further extension of consideration and control of exploration

10,000.00

| | | |
|-----|---|--------------------|
| (3) | <u>ELECTRO MAGNETIC SURVEY PROGRAMME</u> | |
| | The most suitable method should be selected. This should be carried out within the first two months, covering the known showings and other possible areas | \$10,000.00 |
| (4) | <u>DIAMOND DRILLING PROGRAMME</u> | |
| | 10 holes of BQ (wireline) size. 300' average footage. 3,000' total. | 30,000.00 |
| (5) | <u>OVERHEAD TRANSPORTATION AND CONSULTING.</u> | <u>10,000.00</u> |
| | TOTAL | <u>\$65,000.00</u> |

Respectfully submitted,



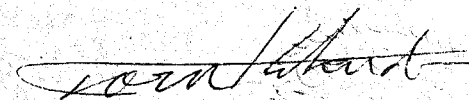
Toru Kikuchi, Ph.D., P. Eng.
Consulting Geological Engineer.

Vancouver, B.C.
November 18, 1969.

STATEMENT OF QUALIFICATIONS

I, Toru Kikuchi of the City of Vancouver, B.C., hereby certify that:-

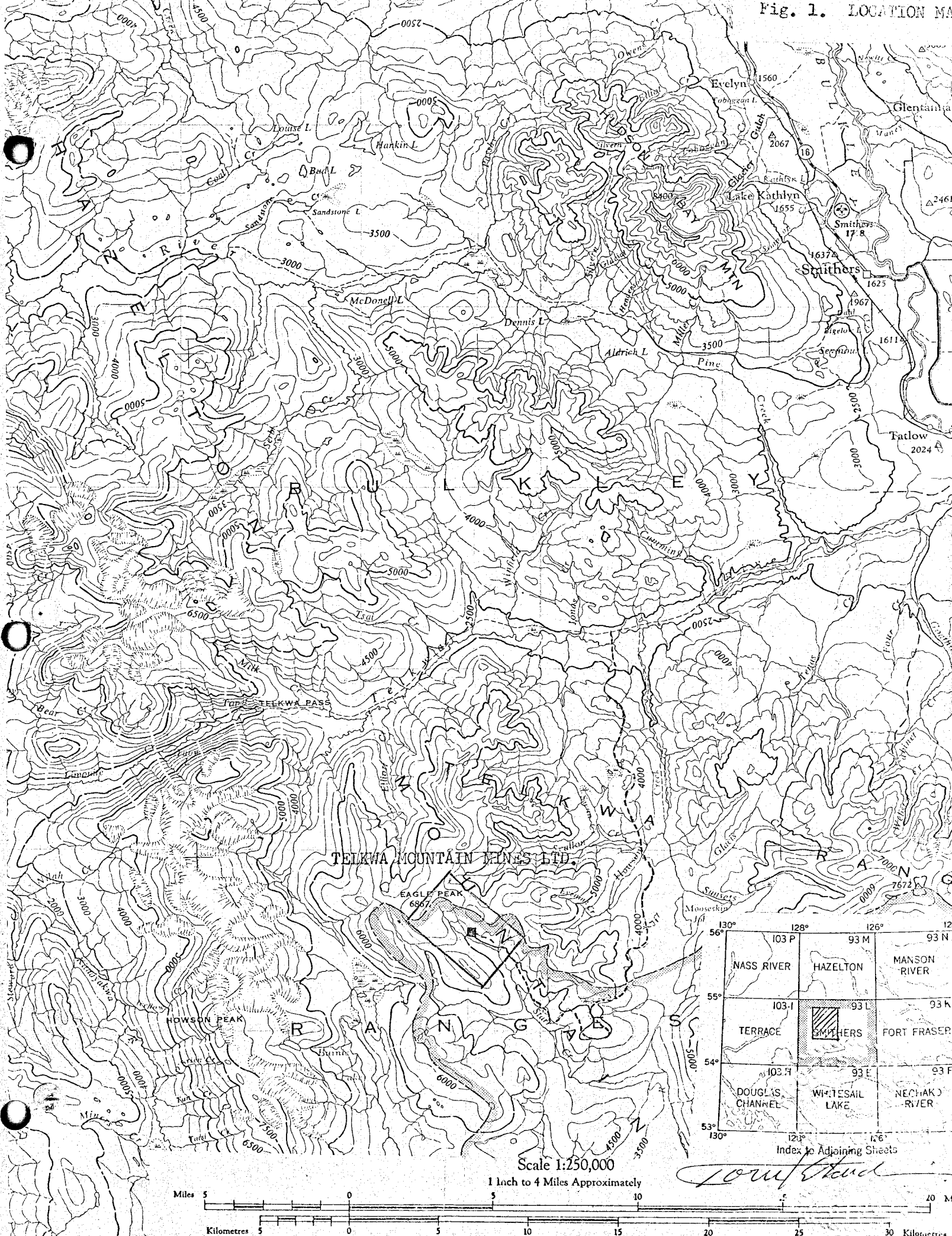
1. I am a graduate of the Hokkaido University, Japan (B.Sc., Geology and Minerology, 1946) and of the Tohoku University, Japan (Ph.D., Economic Geology, 1963).
2. I am a "GIJUTSUSHI" (a qualification for a consulting engineer authorized by the Japanese Government) and a member in good standing of The Association of Professional Engineers of the Province of British Columbia and of the Yukon Territory.
3. I am a member of The Society of Mining Geologists of Japan, and of The Canadian Institute of Mining and Metallurgy and of The Engineering Institute of Canada.
4. I have been practising my profession continuously for the past twenty-three years, and am an independent Consulting Geological Engineer with my office at Room 702 - 402 West Pender Street, Vancouver 3, B.C.
5. I have no direct or indirect interest in the property, nor do I anticipate receiving any such interest.
6. This report is based on my personal study and work at the property during the periods July 21 - 23 and August 23 - 24, 1969.



Toru Kikuchi, P. Eng.

Vancouver, B.C.
November 18, 1969.

Fig. 1. LOCATION MAP



TELKWA MOUNTAIN MINES LTD.

EAGLE PEAK 6867'

HOWSON PEAK

Scale 1:250,000

1 Inch to 4 Miles Approximately



| | | | |
|------|-----------------|----------------|---------------|
| 130° | 128° | 126° | 124° |
| 56° | 103 P | 93 M | 93 N |
| | MASS RIVER | HAZELTON | MANSON RIVER |
| 55° | 103-I | 93 L | 93 K |
| | TERRACE | SMITHERS | FORT FRASER |
| 54° | 103-II | 93 E | 93 F |
| | DOUGLAS CHANNEL | WHITESAIL LAKE | NECHAKO RIVER |
| 53° | 130° | 128° | 126° |

Index to Adjoining Sheets

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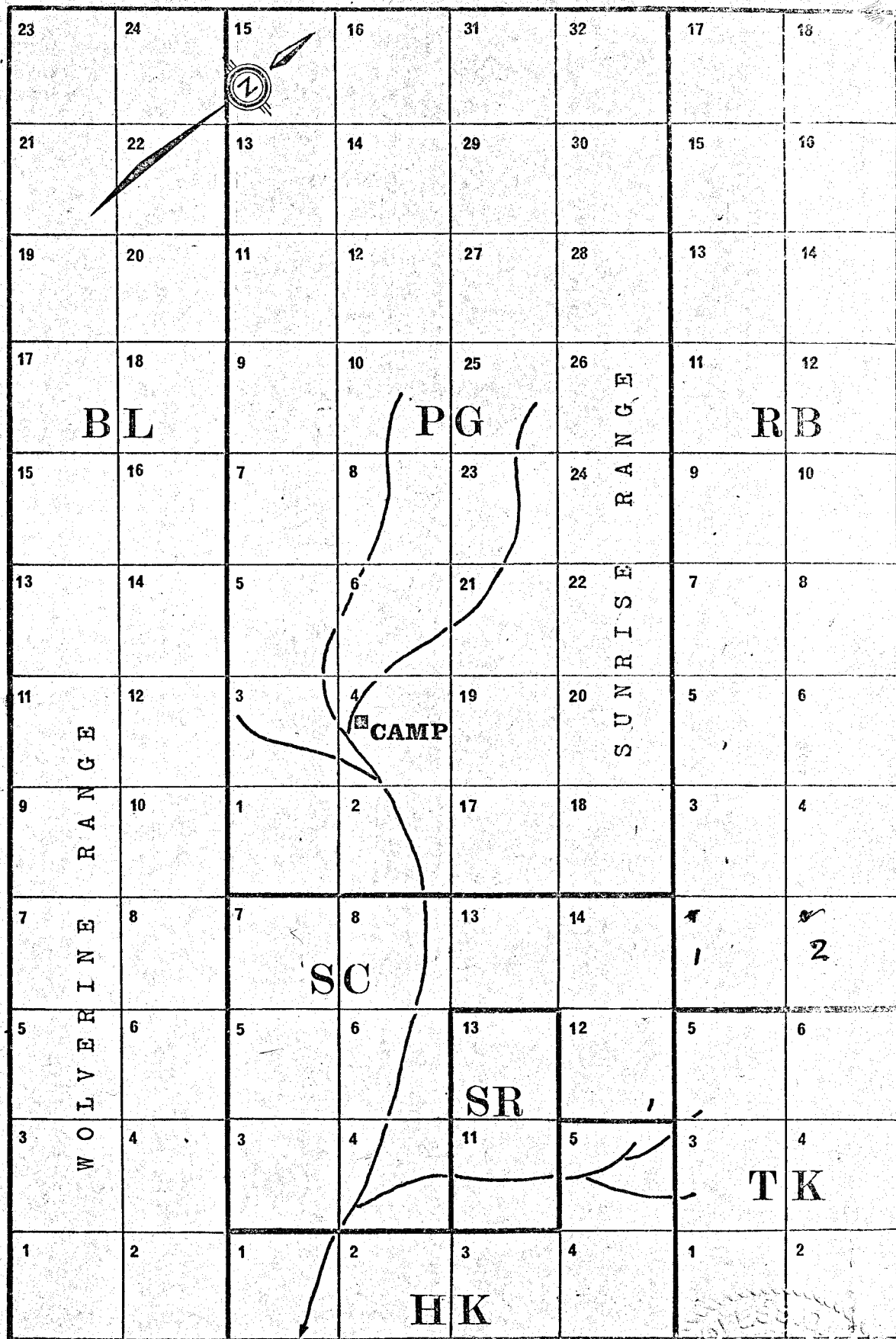


Fig.2 CLAIM SITUATION OF STARR CREEK PROPERTY,
TELKWA MOUNTAIN MINES LTD. (N.P.L.)

Toru Kikuchi
Toru Kikuchi, P. En

TORU KIKUCHI, PH.D., P.ENG.
CONSULTING GEOLOGICAL ENGINEER

Office: 702 — 402 West Pender Street, Vancouver 3, Canada — Phone: 681-6038
Residence: 213 — 4700 Arbutus Street, Vancouver 9, B.C., Canada — Phone: 261-0715
DATE OF BIRTH: June 27, 1921. PLACE OF BIRTH: Nagoya, Japan. SEX: Male

NATIONALITY:

Japanese. Have a permanent admission into Canada as an immigrant since Jan. 2, 1967 after eight months residence in Canada with a Non-immigrant Visa, and will be a Canadian citizen after five years residence in Canada, according to the Canadian immigration regulations.

EDUCATION:

Graduated (B.Sc.) from Hokkaido University, Japan, in September, 1946, after completing a course of Geology and Minerology.

Received a Doctorate (Ph.D.) from Tohoku University, Japan, in June, 1963.

QUALIFICATIONS:

Registered officially by the Japanese Government as a "Gijutsushi" (a registered engineering consultant in Japan) in November, 1962, after passing the National Examination.

A member in good standing of the Association of Professional Engineers of the Province of British Columbia, and of the Association of Professional Engineers of Yukon Territory.

LANGUAGES:

Japanese, English, Spanish and Malay.

OCCUPATION HISTORY:

With the Geological Survey of Japan, Japanese Government, from January, 1947 to January, 1963 as a metallic research geologist, (mainly for Cu, Pb, Zn, Fe, Mn, Mo, W, Ni, Cr, U and other mineral deposits). Sent to the Antarctica as a wintering member of the Japanese Antarctic Research Expedition in 1956/57/58, and to Indonesia as a Colombo Plan Expert to assist the Geological Survey of Indonesia in 1960/61/62.

With Overseas Mineral Resources Development Co. Ltd., Tokyo, Japan, from February, 1963 to April, 1966, as a manager of the Exploration Section, and in Chile and Peru from May, 1963 to February, 1964, as a representative of the company, and sent to Argentina as a member of the Japanese Government Mining Mission to Argentina in October to December, 1964.

With Mastodon Highland-Bell Mines Ltd., Vancouver, B.C., from May, 1966 to June, 1967 as Chief Geologist of its Cariboo Bell Copper Exploration Project.

With Mitsubishi Metal Mining Co. Ltd. from June, 1967 to February, 1969, as Chief Geologist of its Vancouver (B.C., Canada) office.

Independent Consulting Geologist from March, 1969.

TORU KIKUCHI, Ph.D., P.Eng.
CONSULTING GEOLOGICAL ENGINEER

702, 402 WEST PENDER ST., VANCOUVER 3, B.C., CANADA

June 29th, 1970.

Our file No. 7.

Mr. Edward Greer, President
Telkwa Mountain Mines Ltd.
#5 - 1045 West Pender Street
VANCOUVER 1, B.C.

Dear Sir:-

Re: Starr Creek Property - BL, PG, SC, etc. Mineral Claims
Geological, Geochemical and Preliminary Geological Report (2)

As requested by Mr. Thomas D. Connachie, Director of the company, who has been asked by Mr. R.H. McCrimmon, Chief Gold Commissioner, Department of Mines and Petroleum Resources, Victoria, B.C. in his letter dated June 24, 1970 (copy of which is attached), to make some amendments to my geological and geochemical report (November 18, 1969) on your Starr Creek property, B.C., I herewith do so. If this still is not satisfactory to the Chief Gold Commissioner, I will give him as much further information as I can.

AMENDMENTS TO Geological, Geochemical Report, Starr Creek Property, Telkwa Mountain Mines Ltd., Omineca Mining Division, B.C. by Toru Kikuchi, P. Eng. (November 18, 1969)


at the request of Mr. R.H. McCrimmon, Chief Gold Commissioner, Department of Mines and Petroleum Resources, Victoria, B.C. in his letter dated June 24, 1970.

- 1) Soil horizon sampled; (referring to the top part of Page 6 of the report). The soil samples were taken with a hoe and shovel by the geologist and his assistant, carefully taking the samples at an average depth of about one/half to one foot mainly at the "B" horizon. There is, however, not enough vegetation above the high elevation part, and not enough good soil for geochemical purposes.

- 2) Analytical procedure; (referring to the top part of page 6 of the report). A "Hot HCl Acid Extraction and Determined by Atomic Absorption" method was used after the 498 soil samples were dried and screened (under 80 mesh) by M. Kiyokawa under the writer's supervision at the laboratory of Britton Research Ltd., (1612 West 3rd Avenue, Vancouver 9, B.C.). The results, Cu ppm, are all plotted in Fig. 4.
- 3) The claim group boundaries. Three different "Affidavit on Application for Certificate of Work" have been made by Mr. T.D. Connochie as per attached copies. According to these Affidavits, I made Fig. 5 attached to this letter to show the group boundaries, and also I plotted them in Fig. 3 and 4 of the report (two copies) which you should present to the Gold Commissioner again.


I regret that I do not know what you did on BL, HK, SR, TK Group, on which I think you did not apply the expenses of the geological and geochemical work.

Yours very truly,


Toru Kiyokawa, P. Eng.

TK/dc

Enc. 5 sheets and 2 copies of reprt.





WHEN REPLYING PLEASE REFER TO

FILE NO.

DEPARTMENT OF MINES AND PETROLEUM RESOURCES
VICTORIA

COPY

June 14, 1970

Telkwa Mountain Mines,
#5 1045 West Pender St.,
Vancouver, B. C.

Dear Sirs:

Re: Starr Creek Property - BL, PC, SC, etc.
Mining Claims
Geological-Geometrical and Engineering
Geological Reports (2)

The above-noted reports have been received here from our Vancouver office. The geological report (duplicate copies) are being returned to you as before this report can be reviewed. Also, Figures 3 and 4 should be plotted on them - or alternatively, the claims.

Yours very truly,

[Signature]
K. J. [Name]
Gold [Name]

cc.: Mining Recorder, Vancouver
Mining Recorder, Vancouver

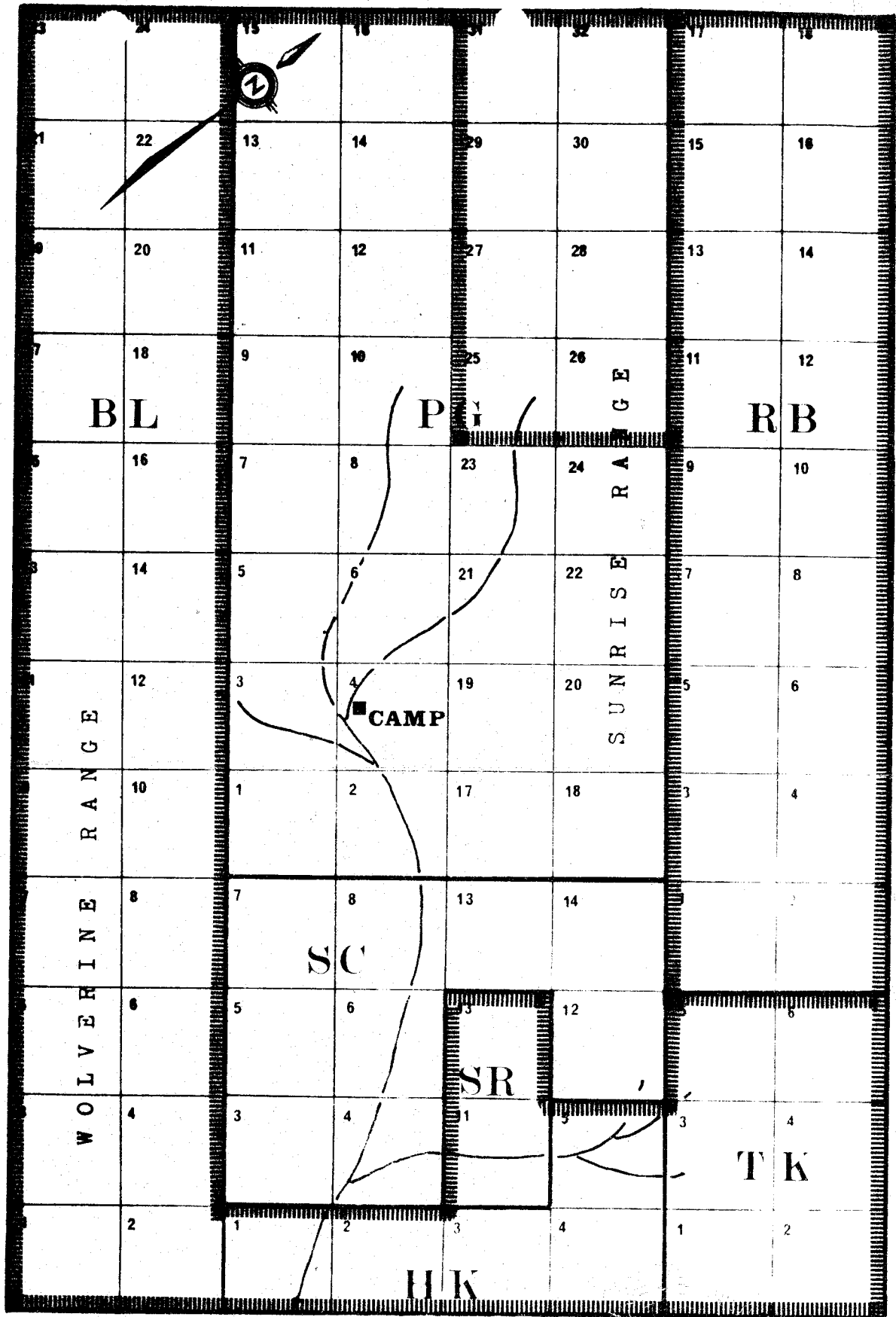


Fig. 5 Boundaries of Claim Groups, Telkwa Mountain Mines Ltd.

June 29, 1970. Toru Kikuchi, P.Eng.

Toru Kikuchi

DEPARTMENT OF MINES
AND PETROLEUM RESOURCES

COPY

MINERAL ACT

(Section 51)

FORM B

Affidavit on Application for Certificate of Work

1. I, **T. D. Connachie** (Name)

~~1841xxxx925~~ **#5 -1045 Pender St.**

(Address)

Vancouver B.C.

Agent for **TELKWA MOUNTAIN MINES** (Name)

5 1045 West Pender St.

(Address)

Vancouver B.C.

Free miner's Certificate No. **R. 89479**

Free Miner's Certificate No. **5840 D.**

Date issued **June 1st 1970**

Date issued **May 1st 1970**

make oath and say:—

2. I have done, or caused to be done, work on the **following claims**

R. B. 1 to 18

Mineral Claim(s)

Record No.(s) **77145 to 77162**

situate at **Starr Creek / Telkwa Mtn** in the

TELKWA

Mining Division.

to the value of at least **Range \$1800**

Work was done from the **15th** day

of **July**, 19 **80**, to the **15th**

1969

July

, 19 **70**

3. The following is a detailed statement of such work

(Set out full particulars of the work done in the twelve months in which such work is required to be done. There are three types of work: (1) Physical (trenching, drilling, tunnelling, and overburden removal); (2) road or trail work; (3) geochemical, geochemical (includes line-cutting). The total amount of work and the number of years which type to be applied to each claim must be shown below.)

See Dr Toru Kikuchi Geophysical and Geochemical Reports and Lockwood

Survey mapping and engineering services Lot for 77154, 73.

Also included separate affidavits for S.C. 1 to 11 and S.C. 12 to 14

F.C. 1 to 24 S.C. 3 to 8 and S.C. 12 to 14 in this connection.

One Certificate of work to apply to claims R. B. 1 to 18 each.

4. That I have not and will not use the work declared to be done in any way for the purpose of obtaining an exemption on a Crown-granted mineral claim under the terms of the *Mineral Act*.

SWORN and subscribed to at

this _____ day of _____

19 _____, before me—

T. D. Connachie (Decy)

* This affidavit may be taken by a person empowered to take affidavits.

MINERAL ACT

(Section 51)

FORM B

Affidavit on Application for Certificate of Work

I, **T. D. Connochie**
(Name)
"5 - 1045 West Pender St
(Address)
Vancouver B.C.

Agent for **TELKWA MOUNTAIN MINES**
(Name)
75 - 1045 West Pender St. Van. B.C.
(Address)

Free miner's Certificate No. **89479**

Free Miner's Certificate No. **5840 D**

Date issued **June 1st 1970**

Date issued **May 1st 1970**

make oath and say:—

2. I have done, or caused to be done, work on the **following claims**

P.C. 25 to 32

Mineral Claim(s)

51932 to 51959

Record No.(s)

situate at **Starr Creek/ Telkwa Mtn Range** in the **Minera** Mining Division.

to the value of at least **Eight Hundred** dollars. Work was done from the **4th** day
of **July**, 19 **69**, to the **4th** day of **July**, 19 **70**

3. The following is a detailed statement of such work:—

(Set out full particulars of the work done in the twelve months in which such work is required to be done. There are three types of work: (1) Physical (trenching, drilling, tunnelling, and overburden removal), (2) road or trail work; (3) geological, geochemical, geophysical (includes line-cutting). The total value of each type of work and the number of years work type to be applied to each claim must be shown below.

**See Dr. Toru Kikuchi Geophysical and Geochemical Reports and Lockwood
Survey mapping and engineering services herewith for total : \$7154.73**

**Also included separate affidavits for S.C. 3 to 8 and S.C. 12 to 14
P.C. 1 to 24 S.C. 3 to 8 S.C. 12 to 14 in this connection**

One Certificate of Work to apply to P.C. 25 to 32

4. That I have not and will not use the work declared herein in any way for the purposes of obtaining tax exemption on a Crown-granted mineral claim under the terms of the *Taxation Act*.

SWORN and subscribed to at

this _____ day of _____

19 _____, before me—

*

T. D. Connochie
Secy

* This affidavit may be taken by a person empowered to take affidavits by the *Taxation Act*.

MINERAL ACT

(Section 51)

FORM B

Affidavit on Application for Certificate of Work

1. **T. D. Connachie**
#5 1045 West Pender St.

(Address)

Agent for **TELKWA MOUNTAIN MINES LTD**

#5 - 1045 West Pender

(Name)

Vancouver B.C.

(Address)

Free miner's Certificate No **89479**

Date issued **June 1st 1970**

Free Miner's Certificate No **5840 D**

Date issued **May 1st 1970**

make oath and say:—

following claims:

P.C. 1 to 24

S.C. 3 to 8

S.C. 12 to 14

Mineral Claim(s)

Record No. ()
51928 to 51951

50683 to 50688

50692 to 50694

situate at **Starr Creek - Telkwa Mtn Range** in the

OMINECA

Mining Division,

to the value of at least **\$4500**

Work was done from the **15** day

of **June** 19 **69** to the **15th** day of **Nov.** 19 **69**

3. The following is a detailed statement of such work:—

(Set out full particulars of the work done in the twelve months in which such work is required to be done. There are three types of work: (1) Physical (trenching, drilling, tunneling, and overburden removal), (2) road or trail work; (3) geological, geochemical, geophysical (includes line-cutting). The total value of each type of work and the number of years work will type to be applied to each claim must be shown below.)

See Dr Teru Kikuchi GEOLOGICAL REPORT & GEOCHEMICAL REPORTS

AND LOCKWOOD SURVEY MAPPING AND ENGINEER SERVICES ENCLOSED IN

DUPLICATE.....Attached also separate affidavits for PC 25 to 32 and PB 1 to 18.

} 7154¹³

One certificate of work to apply to PC 1 to 24

Two certificates of work to apply to S.C. 3 to 8

Three certificates of work to apply to S.C. 12 to 14 EACH

4. That I have not and will not use the work declared herein in any way for the purposes of obtaining tax exemption on a Crown-granted mineral claim under the terms of the *Taxation Act*.

SWORN and subscribed to at _____

this _____ day of _____

19 _____, before me—

T. D. Connachie
Secy

* This affidavit may be taken by a person empowered to take affidavits by the Commissioner of British Columbia.

COPY

August 5, 1969.

STATEMENT (6907-1)

Mr. Edward Greer, President,
Tellus Mountain Mines Ltd. (N.P.L.),
#5 - 1045 West Pender Street,
Vancouver, B.C.

Professional Services Re Your Starr Creek Property,

with presentation of a report (August 5, 1969) \$ 800.00

Assay fee 217.00

Air fare 100.00

Out-of-Pocket (Taxis and other) 15.00

\$1,132.00

September 4, 1969.

STATEMENT 6907-2

COPY

Mr. Edward Greer, President
 Telkwa Mountain Mines Ltd.
 #5 - 1045 West Pender Street,
 Vancouver, B.C.

To Professional Services to September 4, 1969:

T. Kikuchi's visiting the Starr Creek Property
 August 22, 23 and 24

Presentation Kiyokawa and Nishiuchi August 15 - 25

with conclusion and preparation for next stage

exploration

\$2,800.00

Assay fee:

Geochemi Soil Assay, 498 samples @ \$1.20

597.60

Rock Samples, 8 samples @ \$3.50

28.00

Rent-A-Car (Smithers - Prince George)

69.06

Air fares:

Kiyokawa and Nishiuchi, Vancouver - Smithers

100.00

and Prince George - Vancouver

78.00

Out of pocket expense

30.00

TOTAL

\$3,702.66

✓ Mar 19/69 - Paid 500 -
 ✓ Mar 25/69 - Paid 500 -
 ✓ Dec 4/69 - Paid 500 -
 ✓ Dec 10/69 - Paid 500 -
 ✓ Dec 19/69 - Paid 500 -
 ✓ Jan 14/70 - Paid 500 -

Del. 1702.66
 ✓ 1200.66
 ✓ 702.66

COPY

19
November 13, 1969.

Statement No. 6907-3.

Mr. Edward Greer, President
Telkwa Mountain Mines Ltd. (N.P.L.)
#5 - 1045 West Pender Street
Vancouver, B.C.

To professional services:

| | |
|---|-------------------|
| Preparation of report (dated Nov. 18, 1969) | \$ 970.00 |
| Balance of previous account (Statement No. 6907-2 dated Sept. 4, 1969 - payment Nov. 19, 1969) | 3,202.66 |
| TOTAL | <u>\$4,172.66</u> |

COPY

December 3rd, 1969.

Statement No. 6907-4.

Mr. Edward Greer, President,
Telkwa Mountain Mines Ltd. (N.P.L.)
#5 - 1045 West Pender Street
Vancouver, B.C.

To professional services:

| | |
|--|-------------------|
| Preparation one additional copy each of Fig. 3 and Fig. 4 (colored) of my report dated Nov. 18, 1969, for Mr. S.D. Anfield | \$ 20.00 |
| Previous account (Statement 6907-3) Nov. 19, 1969 | 970.00 |
| Balance of Statement 6907-2 (Sept. 4) | |
| \$3,702.66 - \$500.00 payment (Nov. 19) | |
| \$500.00 payment (No. 25) | <u>3,692.66</u> |
| Total | <u>\$3,692.66</u> |

COPY

December 9th, 1969.

Statement No. 6907 - 5.

Telkwa Mountain Mines Ltd. (N.P.L.)
Suite 5 - 1045 West Pender Street
Vancouver, B.C.

To professional services:

Preparation one additional copy each of
Fig. 3 and Fig. 4 (colored) of my report
dated Nov. 18, 1969, as requested by Mr.
Connochie

\$ 20.00

Statement No. 6907-4, December 3rd
Statement No. 6907-3, November 19th
Balance of Statement 6907-2, September 4th

20.00

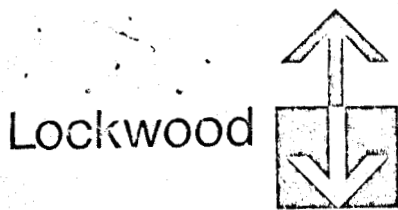
970.00

\$3,702.66 - \$500.00 payment Nov. 19.
- \$500.00 payment Nov. 25.
- \$500.00 payment Dec. 4.

2,202.66

Total

\$3,212.66



INVOICE

Lockwood Survey Corporation Limited

West Coast Division
 1409 West Pender Street, Vancouver 5, B.C., Canada, Telephone 683-6501,
 Cables: Canlock

Tellus Mountain Mines Limited,
 85 - 1045 West Pender Street,
 Vancouver, B. C.

INVOICE No. 5693
 DATE 30 September 1960
 YOUR ORDER No.
 JOB No. 60-201
 PACKING SLIP No.
 SHIPPED VIA

Authority: Dr. T. Kikuchi, P. Eng., Consulting Geologist.

| QUANTITY | DESCRIPTION | UNIT PRICE | TOTAL |
|----------|--|------------------|-------------------|
| To: | Completion, Engineering Services: | | |
| | 1. 1-inch equals 500 feet feather-edged mosaic, in two sheets, of your area of interest being approximately 16 square miles at the headwaters of Starr and Scallon Creeks. Completed and delivered, our Packing Slip No. 3687. | | |
| | Lump sum | \$155.00 | |
| | 2. 1-inch equals 1000 feet reconnaissance type mapping with a 50 foot contour interval enlarged to 1-inch equals 500 feet of the Starr and Scallon Creek areas, being 16 square miles. | | |
| | 16 square miles at \$70.00 per square mile | <u>\$1120.00</u> | |
| | | \$1275.00 | |
| | 3% Federal Sales Tax on \$155.00 | \$4.65 | |
| | 1.2% Federal Sales Tax on \$1120.00 | \$12.44 | |
| | 5% Provincial Sales Tax on \$159.65 | <u>\$7.93</u> | |
| | | | <u>\$1,502.97</u> |
| | | | 1000.00 |
| | | | 300.00 |
| | | | 200.00 |
| | | | due 700.00 |

TERMS: NET CASH. INTEREST CHARGED ON OVERDUE ACCOUNTS

Handwritten notes on the left margin, including "11/14" and "1/21".

Handwritten notes in the bottom right area, including "NP", "F 214 May 14", "NP 18/11/60", "F. 78 Jan 11", and "Bolt".

BRITISH COLUMBIA SECURITIES COMMISSION

Dr. Toru Kikuchi, P. Eng.,
Consulting Geological Engineer,
702, 402 West Pender Street,
Vancouver 3, B. C.

Dear Dr. Kikuchi:

Subject: Telkwa Mountain Mines Ltd. Geological, Geochemical Report,
Starr Creek property, Omineca Mining Division, dated November
18, 1969.

The above-named company has submitted a copy of your report in support of a prospectus under the provisions of Regulation 17 of the Securities Act.

I note that in your report you recommend an electro-magnetic geophysical survey programme. On January 29, 1969, this company issued a previous prospectus in which they proposed to raise \$112,500.00 by sale of shares to the public. The programme which the company intended to carry out on the Starr Group was based on the recommendations of Mr. F. C. Tomlinson, P. Eng. One of these recommendations was for 20 line-miles of electro-magnetic and induced potential survey.

I would assume that the previously recommended geophysical survey was in fact never carried out due to the fact that the full amount of money was not raised by sale of shares. I would appreciate it, however, if you could kindly confirm that no unnecessary repetition of ground geophysical work is proposed.

Yours very truly,



A. R. C. James, P. Eng.,
Mining Advisor,
B. C. Securities Commission.

ARCJ:sl

cc. Mr. J. E. Graf, B.Sc.

TORU KIKUCHI, Ph.D., P.Eng.
CONSULTING GEOLOGICAL ENGINEER

702, 402 WEST PENDER ST., VANCOUVER 3, B.C., CANADA

COPY

March 6th, 1970.

Our file No. 7.

Mr. A.R.C. James, P. Eng.
Mining Advisor
B.C. Securities Commission
756 Fort Street
VICTORIA, B.C.

Dear Mr. James:

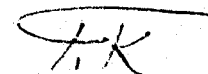
Re Telkwa Mountain Mines Ltd. Geological, Geo-
chemical Report, dated November 18, 1969.

In reply to your letter dated March 4th concerning my report on the above company, as I had no connection with this company before I worked for them as a consulting geological engineer from August of 1969, I do not know why they did not carry out the E-M, I.P. Ground Survey which had been recommended by Mr. F.C. Tomlinson.

However, as you may understand from my report dated November 18, 1969, I carried on geological and geophysical work on the property in the summer of 1969, which I thought to be necessary before any kind of geophysical survey. I recommended then in my said report to carry on E-M survey and some diamond drilling for the next season.


I am sure that they did not do any ground geophysical survey on the property, and I would recommend they should carry out E-M ground survey, as in my said report, in the 1970's season, as the property seems to me to be worth enough to carry on further exploration.

Sincerely yours,



Toru Kikuchi, P. Eng.

TK/dc
CC Mr. Edward Greer, President,
Telkwa Mountain Mines Ltd.



TORU KIKUCHI, Ph.D., P.Eng.
CONSULTING GEOLOGICAL ENGINEER

702, 402 WEST PENDER ST., VANCOUVER 3, B.C., CANADA

COPY

March 10th, 1970.

Our file No. 7.

Mr. A.R.C. James, P. Eng.
Mining Advisor
B.C. Securities Commission
756 Fort Street
VICTORIA, B.C.

Dear Mr. James:

Re Telkwa Mountain Mines Ltd. Geological,
Geochemical Report, dated November 18, 1969.

Further to my letter of March 6th in connection with my report on the above company, would you please change line 2 of paragraph 2 of this letter to read "I carried on geological and geochemical work" instead of "I carried on geological and geophysical work".

I regret this error in my letter, which I did not notice until I was re-reading it today.

Yours very truly,



Toru Kikuchi, P. Eng.

TK/dc

CC Mr. Edward Greer, President,
Telkwa Mountain Mines Ltd.

TORU KIKUCHI, Ph.D., P.Eng.
CONSULTING GEOLOGICAL ENGINEER

702, 402 WEST PENDER ST., VANCOUVER 3, B.C., CANADA

May 21st, 1970.

Statement 6907-6

Telkwa Mountain Mines Ltd. (N.P.L.)
#5 - 1045 West Pender Street
Vancouver, B.C.

To professional services:

Preparation of one additional copy each
of Fig. 3 and Fig. 4 (colored), as
requested by Mr. Connochie

\$20.00

Re Report dated November 18, 1969.

Lockwood



Survey Corporation Limited

INVOICE

West Coast Division

1409 West Pender Street, Vancouver 5, B.C., Canada, Telephone 683-6501,

Cables: Canlock

To: Tellara Mountain Mines Limited,
#5 - 1045 West Pender Street,
Vancouver, B. C.

INVOICE No. 5699
DATE 30 September 1962
YOUR ORDER No.
JOB No. 69-201
PACKING SLIP No.
SHIPPED VIA

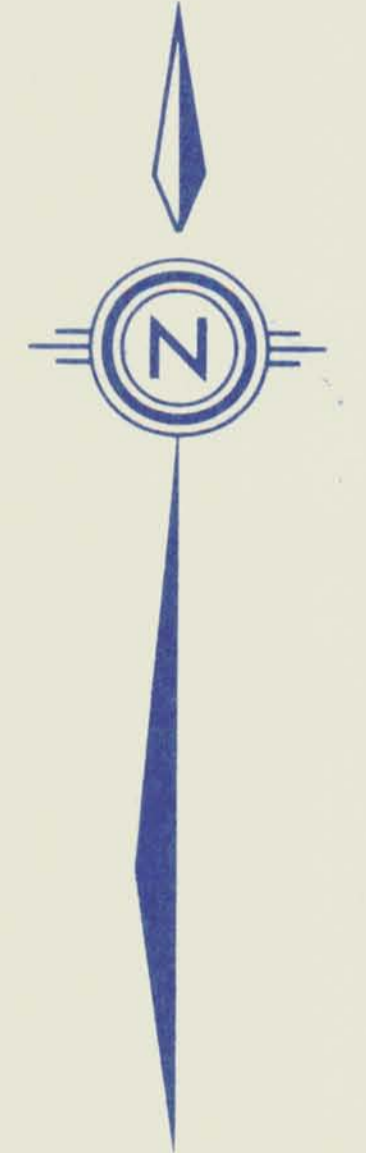
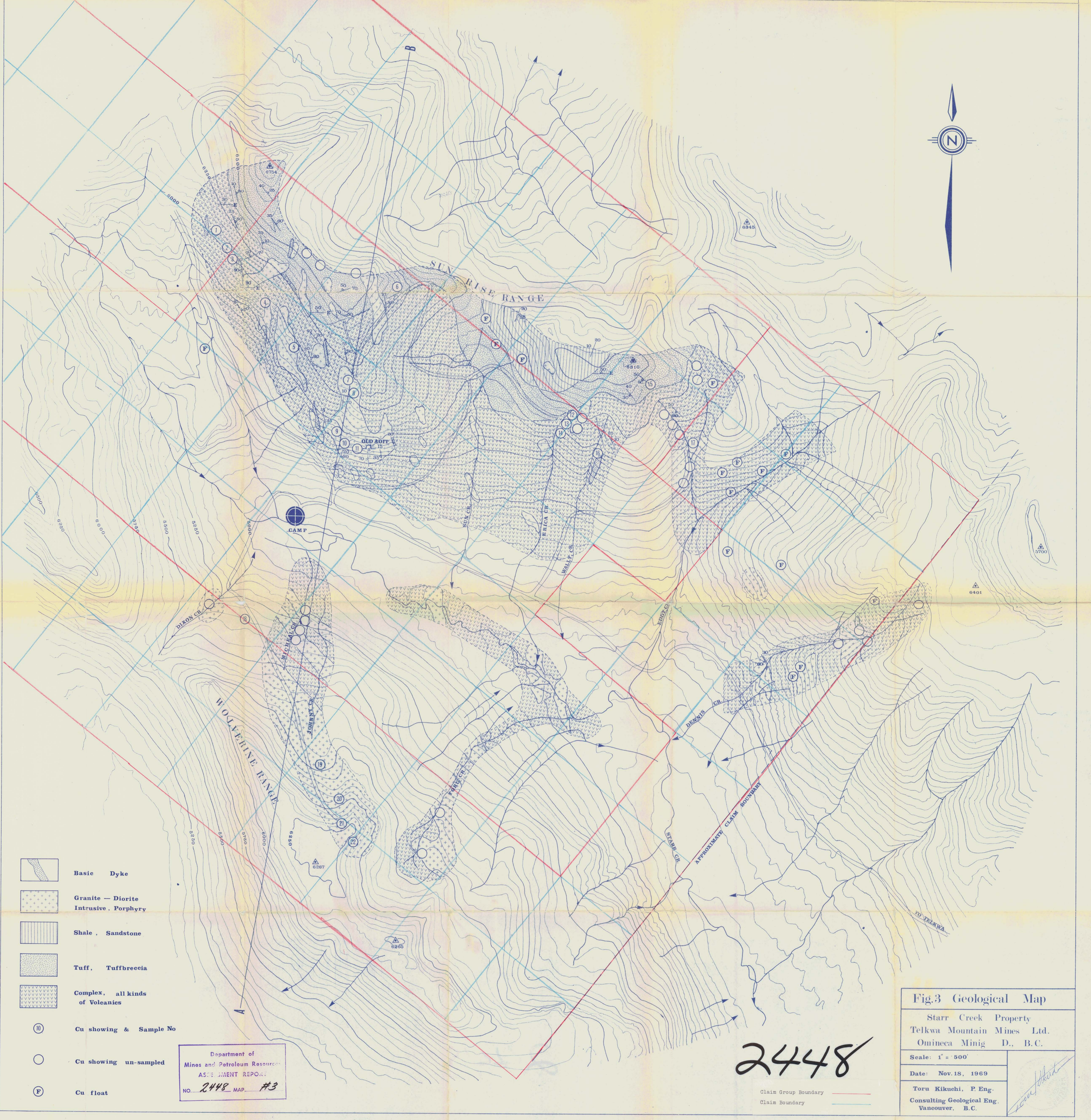
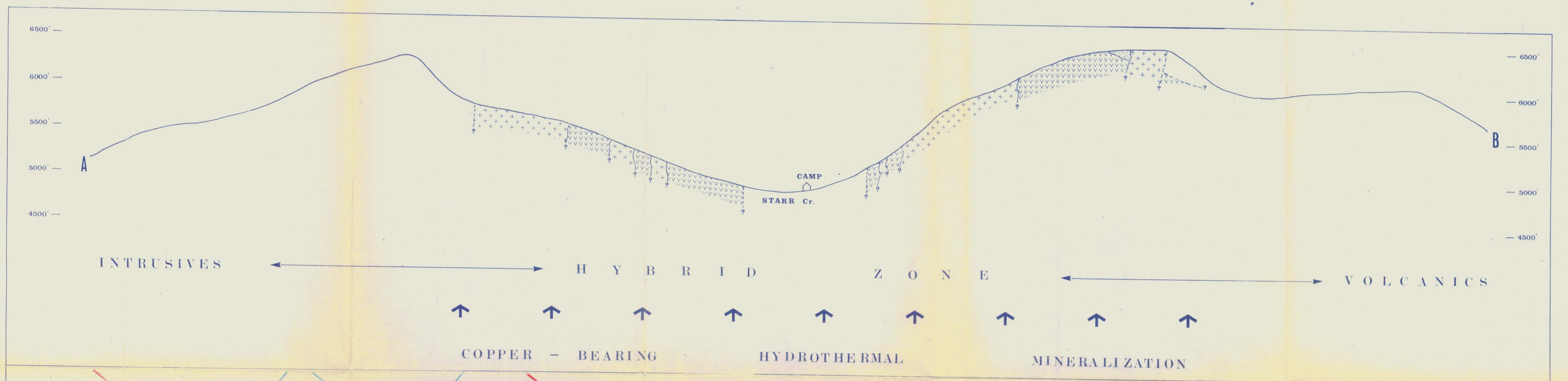
Authority: Dr. T. Kikuchi, P. Eng., Consulting Geologist.

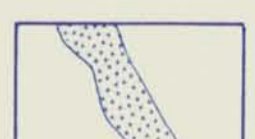






| QUANTITY | DESCRIPTION | UNIT PRICE | TOTAL |
|----------|---|--|--------------------------|
| | <p>To:</p> <p>Completion, Engineering Services:</p> <p>1. 1-inch equals 500 feet feather-edged mosaic, in two sheets, of your area of interest being approximately 16 square miles at the headwaters of Starr and Scallon Creeks. Completed and delivered, our Packing Slip No. 3687.</p> <p>Lump sum</p> | \$155.00 | |
| | <p>2. 1-inch equals 1000 feet reconnaissance type mapping with a 50 foot contour interval enlarged to 1-inch equals 500 feet of the Starr and Scallon Creek areas, being 16 square miles.</p> <p>16 square miles at \$70.00 per square mile</p> | \$1120.00 | |
| | <p>3% Federal Sales Tax on \$155.00</p> <p>1.2% Federal Sales Tax on \$1120.00</p> <p>5% Provincial Sales Tax on \$159.65</p> | <p>\$4.65</p> <p>\$13.44</p> <p>\$7.98</p> | |
| | | | <p><u>\$1,301.07</u></p> |

TERMS: NET CASH. INTEREST CHARGED ON OVERDUE ACCOUNTS

Man 14/7/62
File
2/14

NP
Nov 28/62
NP
MR 18/11/62
F. 78
due 7/62



-  Basic Dyke
-  Granite - Diorite Intrusive, Porphyry
-  Shale, Sandstone
-  Tuff, Tuffbreccia
-  Complex, all kinds of Volcanics
-  Cu showing & Sample No
-  Cu showing un-sampled
-  Cu float

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2448 MAP #3

2448

Claim Group Boundary
Claim Boundary

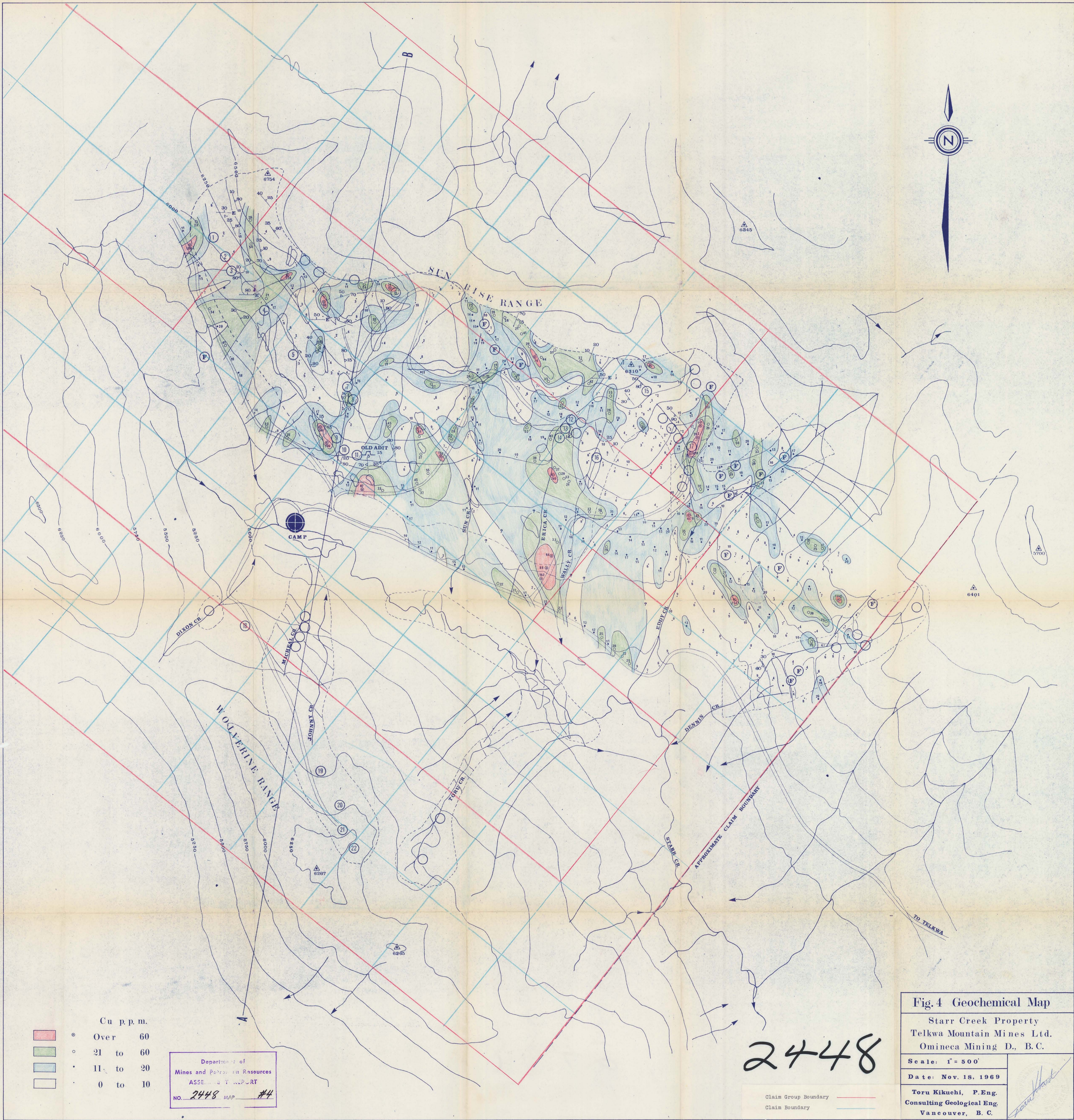
Fig.3 Geological Map

Starr Creek Property
Telkwa Mountain Mines Ltd.
Omneca Mining D., B.C.

Scale: 1" = 500'

Date: Nov. 18, 1969

Toru Kikuchi, P. Eng.
Consulting Geological Eng.
Vancouver, B.C.



Cu p.p.m.

- Over 60
- 21 to 60
- 11 to 20
- 0 to 10

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 2448 MAP #4

2448

Fig. 4 Geochemical Map
Starr Creek Property
Telkwa Mountain Mines Ltd.
Omineca Mining D., B.C.
Scale: 1" = 500'
Date: Nov. 18, 1969
Toru Kikuchi, P.Eng.
Consulting Geological Eng.
Vancouver, B.C.