

RUDY AND WALTER CLAIMS3581 (6) & 3582 (6)36 UNITSKAMLOOPS M.D., B.C.N.T.S. 92 P 9E51°-39'N : 120°-09'W

Alfred R. Allen, P.Eng.

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT****11,885****For:**Gold Centre Resources Ltd.  
306 - 145 E. 20th Street  
North Vancouver, B.C.  
V7L 3A3**By:**Allen Geological Engineering Limited  
503 - 1985 Bellevue Avenue  
West Vancouver, B.C.  
V7V 1B6

June 4, 1983.

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Air Photo BC 7790	
Field Log - Alfred R. Allen and Walter Davidson	
August 10 & 11, 1982	
Field Log - Walter Davidson	
April 8 & 9, 1983	
* * * * *	

THE QUEEN BESS PROPERTY  
KAMLOOPS MINING DIVISION  
BRITISH COLUMBIA

INTRODUCTION

The Gold Centre Resources Rudy and Walter claims were examined by Alfred R. Allen and Walter Davidson on August 10 and 11, 1982.

Mr. Davidson with an assistant, Mr. A. Fleury, of Clearwater, examined the Rudy claim April 6 - 9, 1983.

The purpose of this report is to record observations made on the property and to recommend an exploration programme thereon.

LOCATION AND ACCESSIBILITY

The Rudy and Walter claims are located at north latitude  $51^{\circ}39'$  and west longitude  $120^{\circ}08'$ , in central southern British Columbia. They are in the Kamloops Mining Division, 76 kilometres north of Kamloops, on the east side of the North Thompson River, on the northwest end of Queen Bess Ridge.

Access from Kamloops is via the South Yellowhead Highway #5 to Clearwater, then south over well-travelled secondary roads onto the property.

The area is serviced by the Canadian National Railway.



PROPERTY

The Rudy and Walter claims were staked by Rudy Bendixen and Walter Davidson June 8 - 11, 1981.

The tag numbers on the legal corner post are 68602 and 68603.

The record numbers are 3581(6) and 3582(6).

The legal corner post is at the corners of Lots 3736, 3738 and 4683, about 180 metres west of the intersection of the Hallamore Lake and Microwave Station roads. (Map #2).

The area of the two claims is approximately 840 hectares. (Map #2)

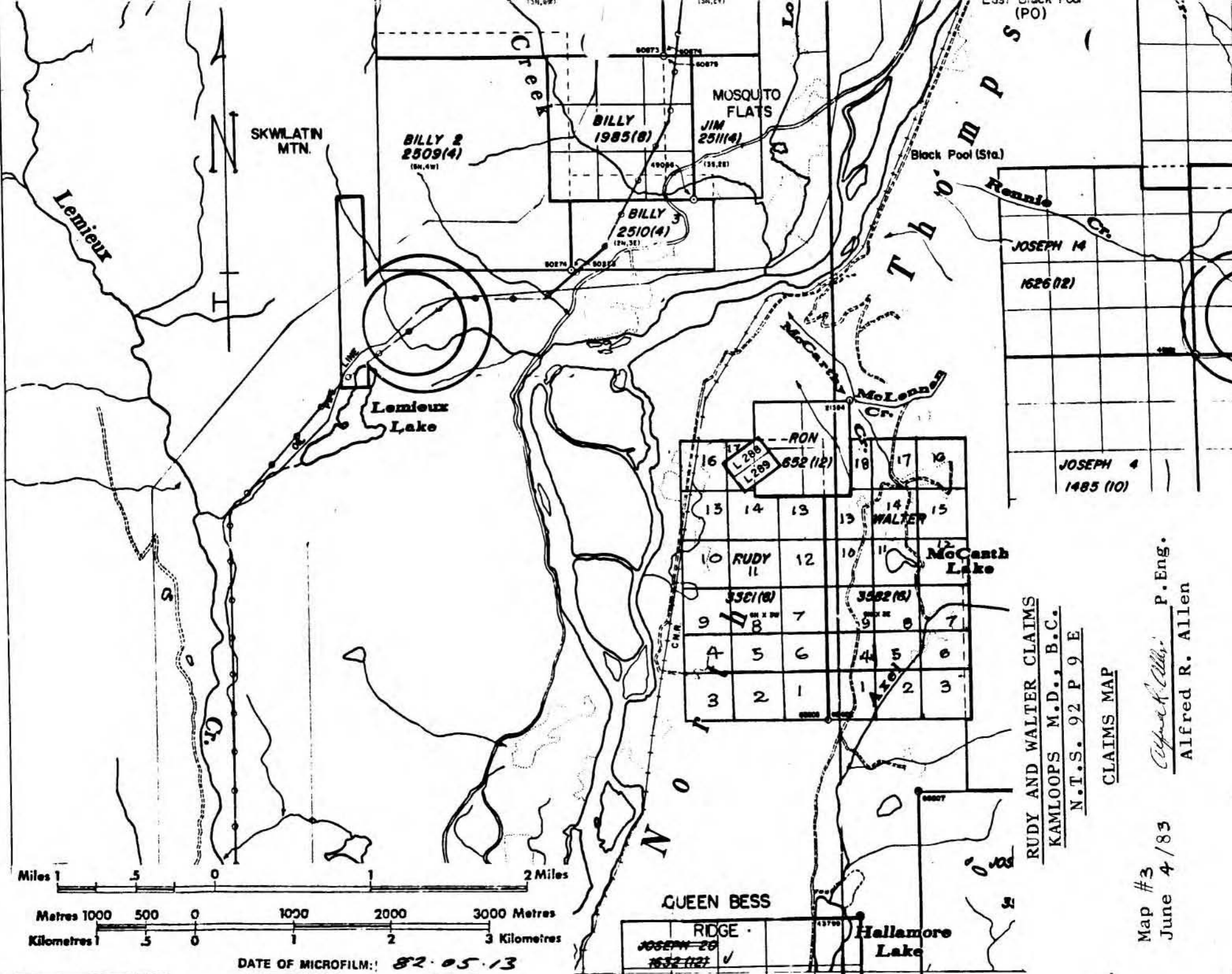
HISTORY

Prospectors had successfully prospected the North Thompson River area in the late 1800's and along with other discoveries found quartz fissure veins containing silver-lead-zinc on the Queen Bess Ridge.

The Lone Prospector claim was recorded by A.G. McDonald on September 26, 1890, and the Iron Clad claim by A.G. McDonald and A. Redpath on July 15, 1891. These claims were surveyed September 6 and 7, 1894 and Crown Granted in 1895 (1).

A total area of 16.72 hectares is included on the two claims. The boundaries have been made unrecognizable by time. Later, six additional unsurveyed claims were added and in 1910 a Seattle syndicate bonded the property. They built a camp and a 50 ton per day concentrator. tramway was constructed in 1919 and 720 tons of ore was transported to the mill where lead and zinc concentrates were produced, as follows:

<u>Concentrate</u>	<u>Weight</u> Tons	<u>Grade</u>		
		<u>Lead %</u>	<u>Silver Oz/T</u>	<u>Zinc%</u>
Lead	27	40 to 50	48	12
Zinc	78	7 to 8	14	48



RUDY AND WALTER CLAIMS  
 KAMLOOPS M.D., B.C.  
 N.T.S. 92 P 9 E

CLAIMS MAP

Map #3  
 June 4 / 83  
*Alfred R. Allen* P. Eng.  
 Alfred R. Allen

QUEEN BESS  
 RIDGE  
 JOSEPH 20  
 2532 (12) ✓

Hallamore Lake

TO SOUTH SEE MAP 92P/8E

DATE OF MICROFILM: 82-05-13

51° 30'

120° 0' KAMLOOPS MINING DIVISION

Limited development work was completed on the Cameron and Bigelow veins before the operation was terminated in 1920. (11 & 12)

In 1927 the mine workings, camp and concentrator were rehabilitated, but after completing limited underground development the work was terminated. (8)

In the early 1930's exploratory work was conducted over the located claims but they were allowed to lapse.

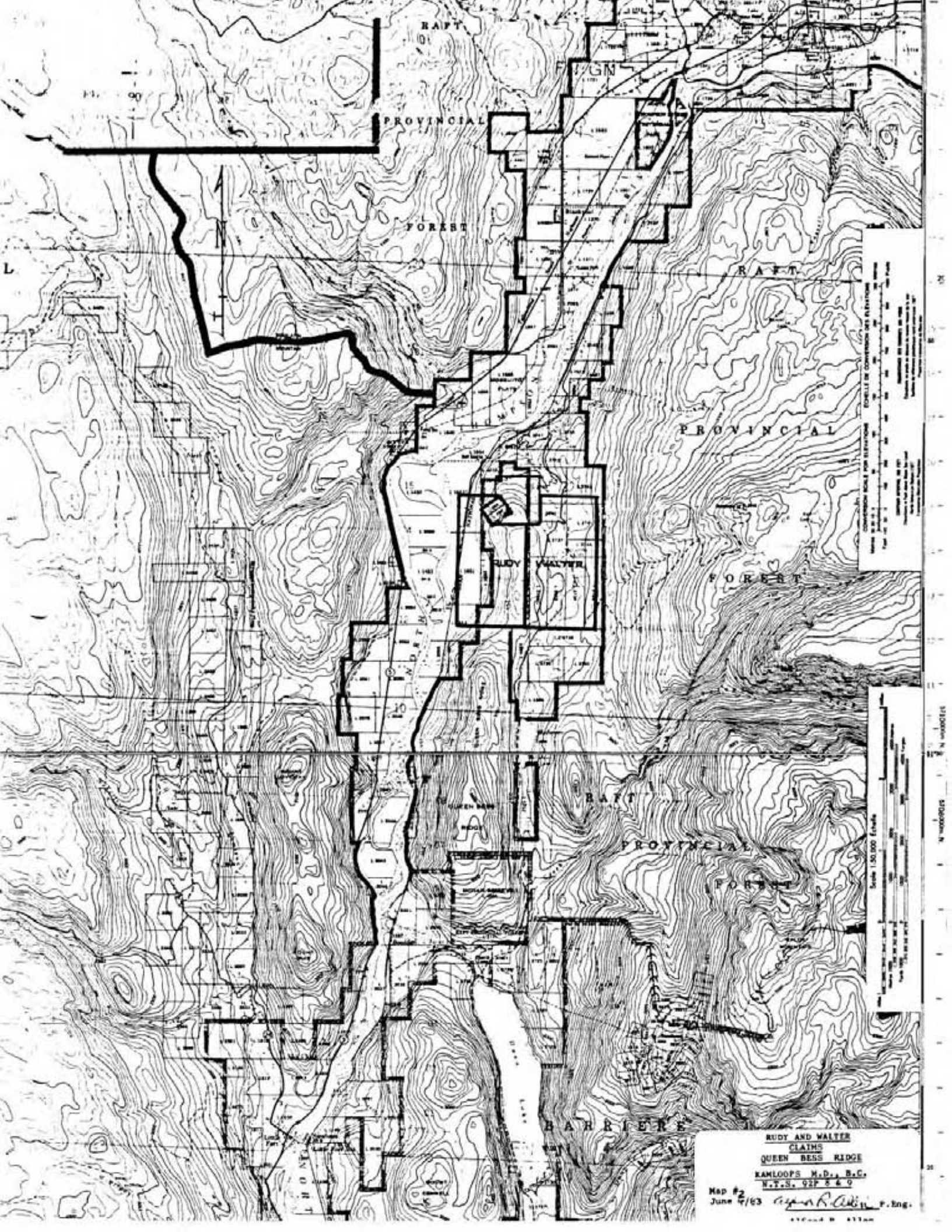
The 4-unit Ron claim was subsequently staked. This was followed by the location of the Rudy and Walter claims on the west side of the Crown Grants, south and east of the Ron claim over a considerable area of the Queen Bess ridge to the south. In 1982 Gold Centre Resources acquired the property.

#### TOPOGRAPHY

The property is located on the east side of the North Thompson River in the western Shushwap Highlands region.

It includes the area covered by the Rudy and Walter mineral claims which extend from the river valley 400 metres above sea level, easterly up the steep valley wall to the broad crest of the Queen Bess Ridge. This is at 850 metres elevation and onto an open plateau area at 730 metres above sea level. A series of low ridges trend southeasterly across the Ridge.

McCarthy Lake is located in the plateau area near the middle of the Walter claim. Intermittent drainage is northerly around the north end of Queen Bess Ridge into the North Thompson River. Axel Creek flows across the southeastern corner of the Walter claim and drains south into Hallamore Lake.



1:50,000

RAFT 01

PROVINCIAL

FOREST

RAFT

PROVINCIAL

FOREST

RAFT

PROVINCIAL

FOREST

HARRIERE

RUDY AND WALTER  
 CLAIMS  
 QUEEN BESS RIDGE  
 KAMLOOPS M.D., B.C.  
 W.T.S. 92P E & O

Map #2  
 June 7/63 *april 1963* P. Eng.

© 1963 M. 51146

CONVERSION SCALE FOR DISTANCES  
 1 inch = 1 mile  
 1 centimeter = 100 meters  
 1 meter = 100 centimeters  
 1 kilometer = 1000 meters  
 1 mile = 1609 meters  
 1 nautical mile = 1852 meters

Scale 1:50,000  
 1 inch = 1 mile  
 1 centimeter = 100 meters  
 1 meter = 100 centimeters  
 1 kilometer = 1000 meters  
 1 mile = 1609 meters  
 1 nautical mile = 1852 meters

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## GEOLOGY

### Introduction

The property of Gold Center Resources Ltd. is located near the north end of Queen Bess Ridge in a geological environment favourable for the occurrence of mineral deposits.

The Ridge is underlain by greenstone and associated metamorphic rocks of the Mississippian Fennell formation.

Zinc, silver and lead mineralization occurs in fissure veins associated with highly altered buff-weathering country rock.

The former Queen Bess mine, a former zinc-silver-lead producer, is located near the northwest corner of the property.

### Stratigraphy

Along with massive greenstone the Fennell formation is composed of pillow lava, narrow bands of argillite, chert, limestone, phyllite and breccia. It has been intruded by dikes of hornblende gabbro. The entire rock assemblage is highly altered and fractured. (12)

The greenstone is very fine grained and includes minute brown hornblende crystals, epidote, zoisite grains, zeolites and possibly leucoxene, along with undetermined specks of opaque white and black minerals. The greenstone also has minute veinlets and irregular patches of carbonate. (11 & 12)

The pillows are closely spaced ellipsoidal basalt with a hard dark green shell and a ringed interior of amygdules.

These are closely packed in fine-grained chert, chalcedonic quartz and coarse-grained calcite. (12)

The banded argillite and phyllite are interlayered and intruded by greenstone. The principal constituents are very fine-grained quartz, white mica and carbonaceous material.

White, buff and grey-green chert beds and lenses are composed of extremely fine-grained quartz with lesser white mica.

The limestone and dolomite occur in thin beds and narrow lenses, sparsely interlayered throughout the greenstone.

The breccia is composed of angular and semi-angular greenstone fragments in a fine- to medium-grained matrix of greenstone, chert and argillite. (12)

### Structure

The area is believed to be in a synclinal structure. (12)

The Fennell formation has been faulted, on the west side of the North Thompson River, against younger Pennsylvanian-Jurassic formations.

On the east it has been intruded by granitic rocks of the Raft and Baldy batholiths.

The massive greenstone and associated metamorphosed rocks provide a minimum of information pertaining to structural trends.

Within the greenstone on the property there are sizeable irregular and elongated masses of buff-coloured siliceous

ferrodolomite, resulting from strong alteration and carbonitization. Similar alteration occurs along distinct fissures, some of which contain quartz, sphalerite, galena and tetrahedrite in a gangue of ferrodolomite, ankerite and crushed wall rock. (11)

### Mineralogy

Available information relating to the mineralogy is included in descriptions by government agencies of the Queen Bess mine, listed herein under References.

Fissure veins in greenstone and altered pillow lava were mined to shallow depths. They contain quartz, sphalerite, galena, and minor tetrahedrite.

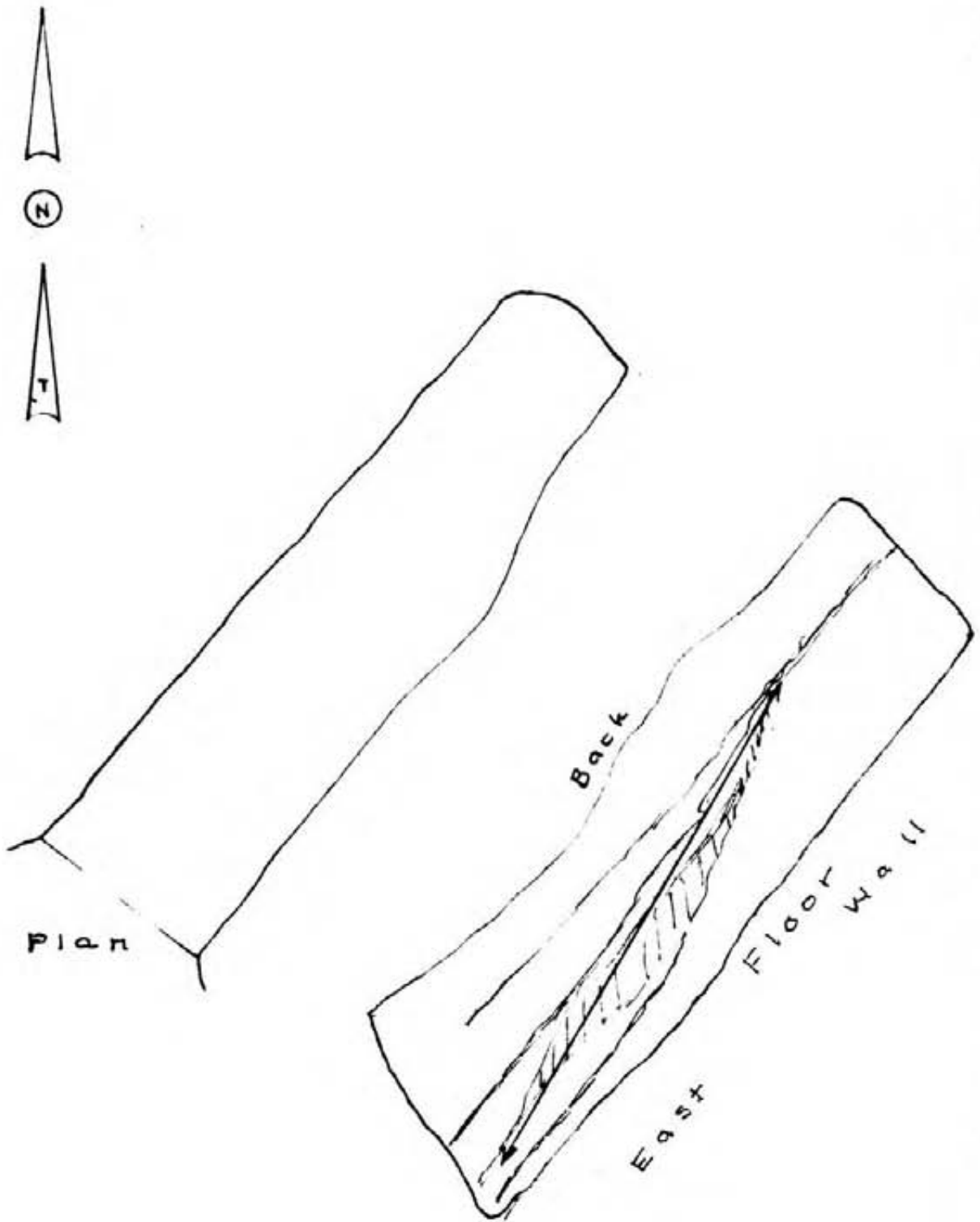
The veins are within, and associated with, silicified and altered wall rock of ferrodolomite and ankerite.

Mine production was confined to the Cameron and Bigelow veins which averaged about 40 centimetres. (12)




The workings require rehabilitation before access is safely possible.

The Cameron vein strikes north 45 degrees east and dips 50 to 70 degrees northwest. The Bigelow vein strikes north 30 degrees east and dips 80 degrees northwest to vertical. The veins are separated by 40 to 60 metres of altered greenstone. (11 & 12) These workings require clearing before access is safely possible.

A prospect tunnel located some distance from the main workings was examined by the writer. It was driven on a vein which strike strikes north 45 degrees east and dips 60 degrees northwest.



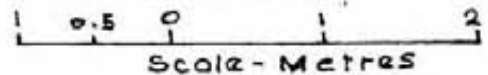
Legend

Quartz Fissure Vein   
 Galena and Sphalerite   
 Chip Sample 4.5 m. 

Pb	Zn	Ag
%	%	Oz/T.
7.01	16.80	9.58

Gold Centre Resources Ltd.

Rudy Claim  
 No 1 Adit



No 2A  
 Aug 9/82

Allen Geological Eng. LTD.  
 Per *Allen* P. Eng.

The vein was sampled where exposed on the southeast wall. The tunnel is 6 metres long. From the portal the vein widens to 50 centimetres and thins to 14 centimetres at the face. It is composed of quartz, narrow bands of wall rock and lenses of sphalerite and galena.

A chip sample along 4.5 metres of the vein assayed as follows:

Zinc %	Silver Oz/Ton	Lead %
16.8	5.58	7.01

A second prospect tunnel was examined.

It is 9 metres long and connected to the surface on the inner end by a 3 metre raise.

Narrow remnants of vein material contain sphalerite, galena and pyrite. The vein is within a shear zone composed of buff-coloured sheared and altered greenstone. The shear is traceable for 220 metres where three open pits have exposed minor quartz and sulphide mineralization.

The portal of the lowest tunnel was examined. Caved rock has blocked the drainage and the water is about 1.3 metres deep.

Soil samples were taken above the tunnel and were assayed in parts per million as follows:

Location	Number	Zn	Ag	Pb	Cu
25m east of portal	1A(RB11)	144	0.1	19	-
30m s.east of 1-A	2-A(RB10)	295	0.2	19	-
140m easterly from 1-A	3A (GR4)	185	0.2	7	32

SUMMARY AND CONCLUSIONS

The Rudy and Walter claims held by Gold Center Resources Ltd., cover an area of 840 hectares on the north end of Queen Bess Ridge, Kamloops Mining Division, British Columbia.

The area is serviced by the Canadian National Railway and Highway #5.

Kamloops is 76 kilometres south and Clearwater is 20 kilometres north.

The property adjoins the Lone Prospector and Iron Clad Crown Granted mineral claims upon which the workings of the former Queen Bess mine are located. Zinc, silver and lead ore was mined, milled, and marketed in 1919 and 1920.

The greater part of the property is covered by overburden and talus material, but it lies within the metamorphosed greenstone complex known to be favourable for the occurrence of zinc-silver-lead mineralization.

It is, therefore, concluded that the first phase of a field programme should be commenced forthwith, to be followed by detailed investigations based upon information attained from same.

RECOMMENDATIONS

Herewith is a "first-phase" field programme considered necessary to provide data with which to plan detailed investigations on the property.

	<u>Estimated Costs</u>
1. Locate the boundaries between the Rudy and Lone Prospector and Iron Clad claims,	\$ 1,500.00
2. From a stereoscopic study of air photographs, locate and map the geology of outcrop areas on the property,	2,000.00
3. Over selected areas establish 15 metre by 40 metre grids by chain and Brunton compass and conduct geo-chemical and electromagnetic surveys over each area,	12,000.00
4. Strip and trench to expose bedrock over anomalous areas and conductor zones, and map and sample exposed mineralization,	10,000.00
5. Check extensions of mineralized zones to 30 metres below surface with diamond drilling,	15,000.00
6. Office, overhead and supervision,	10,000.00
7. Contingencies fund,	<u>2,500.00</u>
Total estimated costs,	\$53,000.00

Respectfully submitted,

ALLEN GEOLOGICAL ENGINEERING LIMITED

Per Alfred R. Allen P. Eng.  
Alfred R. Allen

West Vancouver, B.C.

June 4, 1983.

COSTS STATEMENT

RUDY AND WALTER CLAIMS

QUEEN BESS RIDGE

KAMLOOPS M.D., B.C.

Alfred R. Allen, P.Eng. Aug. 9-12 & Sept. 1-10, 1982

Field Time, 4 days @ \$350/day,	\$1400.00
Office Time, report & maps preparation	980.00
Expenses, Travel	54.15
Air Photos and Maps	34.88
Reproduction costs	33.97

Walter Davidson, Prospector, Aug. 9-12, 1982

Field Time, 4 days @ \$80/day	320.00
Truck, 4 days @ \$20/day	80.00
Accommodation & meals, 8 man days @ \$65/day	520.00

Walter Davidson and A. Fleury, April 6-9, 1983

Field Time, 4 days @ \$80/day	320.00
Helper A. Fleury, of Clearwater, 2 days @ \$60/day	120.00
Truck 4 days @ \$20/day	80.00
Accommodation and meals	247.00

Total \$4,190.00



## REFERENCES

1. B.C. Minister of Mines Report 1895, p. 665
2. " " " " " 1917, pp.236 & 450
3. " " " " " 1918, pp.234 & 246
4. " " " " " 1919, p. 179
5. " " " " " 1920, p. 188
6. " " " " " 1922, p. 145
7. " " " " " 1924 p. 153
8. " " " " " 1927 pp.191 & 403
9. " " " " " 1933 p. 195
- 10.Campbell, R.B. and Tipper, H.W., G.S.C.  
Mem 363 pp. 14-18 & 85
- 11.Walker, J.F., Sum., Rept., 1930, G.S.C.  
pp. 125A, 140A - 143R
- 12.Ugnow, W.L., Sum. Rept., 1921, G.S.C.  
pp. 77A, 78A, 102A, 103A
- 13.Personal communication - Walter Davidson

\* \* \* \* \*

202 - 2025 Bellevue Avenue  
West Vancouver, B.C. V7V 1B9

CERTIFICATE

June 4, 1983.

I, Alfred R. Allen, certify that:

I am a graduate of the University of British Columbia and hold the following degrees therefrom:

BASc Geological Engineering 1939

MASc Geological Engineering 1941

I am a Life Member of the Association of Professional Engineers of the Province of British Columbia.

I have practised my profession for the past thirty-seven years.

I hold no interest in the properties or securities of Gold Center Resources Ltd., or affiliates thereof, nor do I expect to receive any directly or indirectly.

The report on the Rudy and Walter Claims, Kamloops M.D., British Columbia, is based on an examination of the property by the writer on August 10 and 11, 1982, and additional data supplied by Walter Davidson and A. Fleury of Clearwater, April 6 - 9, 1983.

I consent to this report being filed with the British Columbia Securities Commission.



---

Alfred R. Allen

202 - 2025 Bellevue Avenue  
West Vancouver, B.C.

(604) 926-4785

June 4, 1983.

British Columbia Securities Commission  
Vancouver, B.C.

Dear Sirs:

Re: Gold Center Resources Ltd.

I hereby consent to the use of my report dated June 4, 1983,  
on the Rudy and Walter Claims, Kamloops Mining Division,  
British Columbia, in any prospectus or statement of material  
facts or other material to be filed with the British Columbia  
Securities or the Vancouver Stock Exchange by Gold Center  
Resources Ltd.

Yours very truly,

Alfred R. Allen P. Eng.  
Alfred R. Allen



FIELD LOG

Alfred R. Allen and Walter Davidson

August 10, 1982.

Drove from Clearwater to Walter claim by truck.  
Continued from north boundary to south boundary of the property on road but no outcrops observed.  
Walked to Legal Corner Post of Rudy and Walter claims, no outcrops.  
Continued west on blazed line to near west boundary - no outcrops.

Drove back north on narrow road westerly and followed a short distance.

Walked west to #1 adit tunnel which is considered to be southwest of the Crown Grants and Ron claim.

Examined and sampled vein on east wall of tunnel - chip sample #052769 B.

Continued northwest on trail onto Crown Grant claims and turned back southeast to old open cuts - country rock greenstone. Returned by truck to Clearwater.

August 11, 1982.

Drove south from Clearwater on road near railway line to south of Golf course turnoff.

A.R. Allen crossed railway tracks and easterly past old mill site and up switchback trail - talus mostly greenstone but noted boulder of coarse breccia - light grey and greenish grey angular fragments in fine granular matrix.

Continued up trail to lower adit and several small collapsed buildings, an ore bin and remains of tramline to the mill.

The tunnel is directed east but the portal is blocked.

Climbed about 30 metres to trail and sampled B zone - #1A near blazed line and RB11.

Followed southerly down trail to RB10 and sampled B zone -#2A.

Followed trail a short distance to a blazed line directed east up steep slope - no outcrops.

Followed line east to location marked G-4 and sampled B zone -#3A.

Continued up line to old blazed line and along this line east for about 300 metres - no outcrops.

Cut back north of trail and sidehilled northwest below greenstone cliffs to road. Talus below mostly greenstone and some brown oxidized material.

Returned by truck to Vancouver.

FIELD LOG

Walter Davidson

April 8, 1983.

Left Clearwater with A. Fleury as assistant. Drove to the Walter claim and walked onto the Rudy 17 unit.

Prospected the ridge south from 8 AM to 5:30 PM.

Found tunnel and open cuts with grass growing on them. High grade ore all around cuts.

April 9, 1983.

Returned to ridge about  $\frac{1}{2}$  mile south of #1 tunnel and found two veins 14 and 24 inches wide with good ore. Must put a cat on this ground and open it up.

I'm sure we will come up with more tonnage than we anticipated. Andy Fleury was a good helper. He had worked for Cominco for three years.



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1

TELEPHONE: (604) 984-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ASSAY

TO : ALLEN GEOLOGICAL ENGINEERING LIMITED

202-2025 BELLEVUE AVENUE  
WEST VANCOUVER, B.C.  
V7V 1B9

CERT. # : A8212733-001-A  
INVOICE # : 18212733  
DATE : 26-AUG-82  
P.C. # : NONE  
QUEEN BESS

Sample description	Prep code	Pb %	Zn %	Ag FA oz/T			
052769 B	207	7.01	16.80	5.58	--	--	--

.....  
Registered Assayer, Province of British Columbia



MEMBER  
CANADIAN TESTING  
ASSOCIATION



# CHEMEX LABS LTD.

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NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
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• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO : ALLEN GEOLOGICAL ENGINEERING LIMITED

202-2025 BELLEVUE AVENUE  
WEST VANCOUVER, B.C.  
V7V 1B9

CERT. # : A8212734-001-A  
INVOICE # : 18212734  
DATE : 20-AUG-82  
P.O. # : NONE  
QUEEN BESS

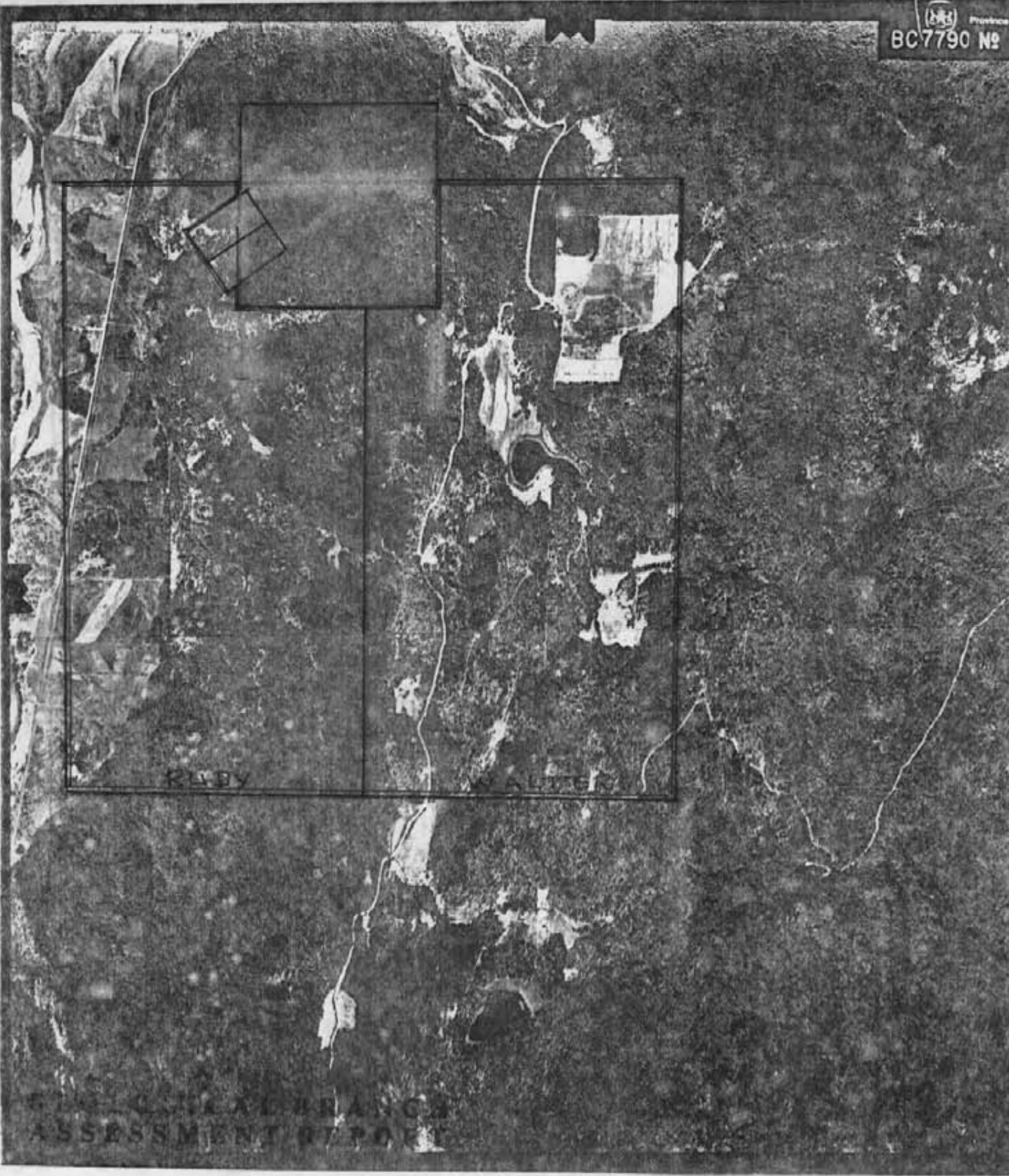
Sample description	Prep code	Cu ppm	Pb ppm	Zn ppm	Ag ppm		
1-A	201	--	19	144	0.1	--	--
2-A	201	--	19	295	0.2	--	--
3-A	201	32	7	185	0.2	--	--



MEMBER  
CANADIAN TESTING  
ASSOCIATION

Certified by *Wentz/Bechler* .....





RUBY

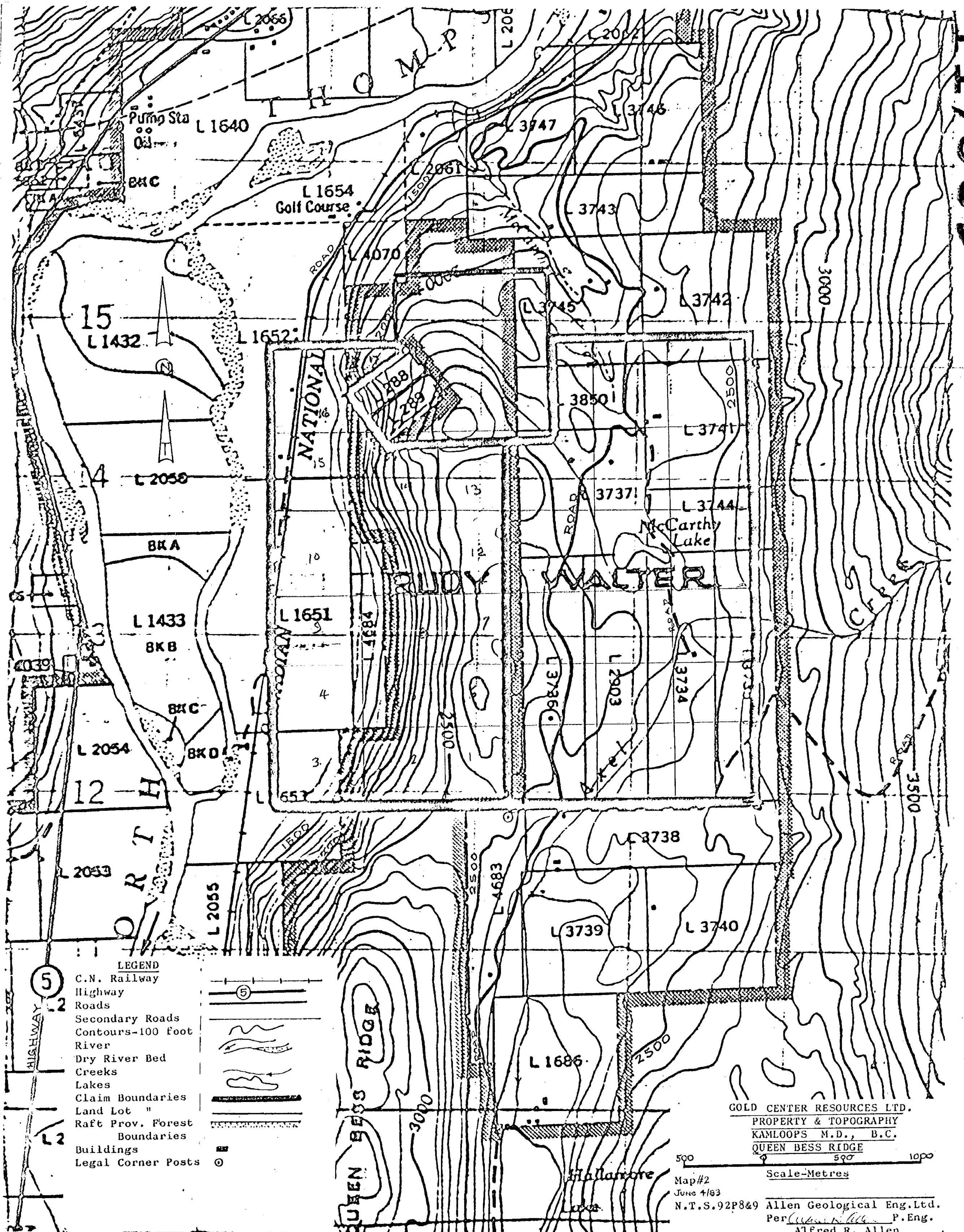
WALTER

MINERAL BRANCH  
ASSESSMENT REPORT

11,885

Air Coverage:  
Rudy & Walter Claims Area  
Scale ± 250m/cm

# 11,885

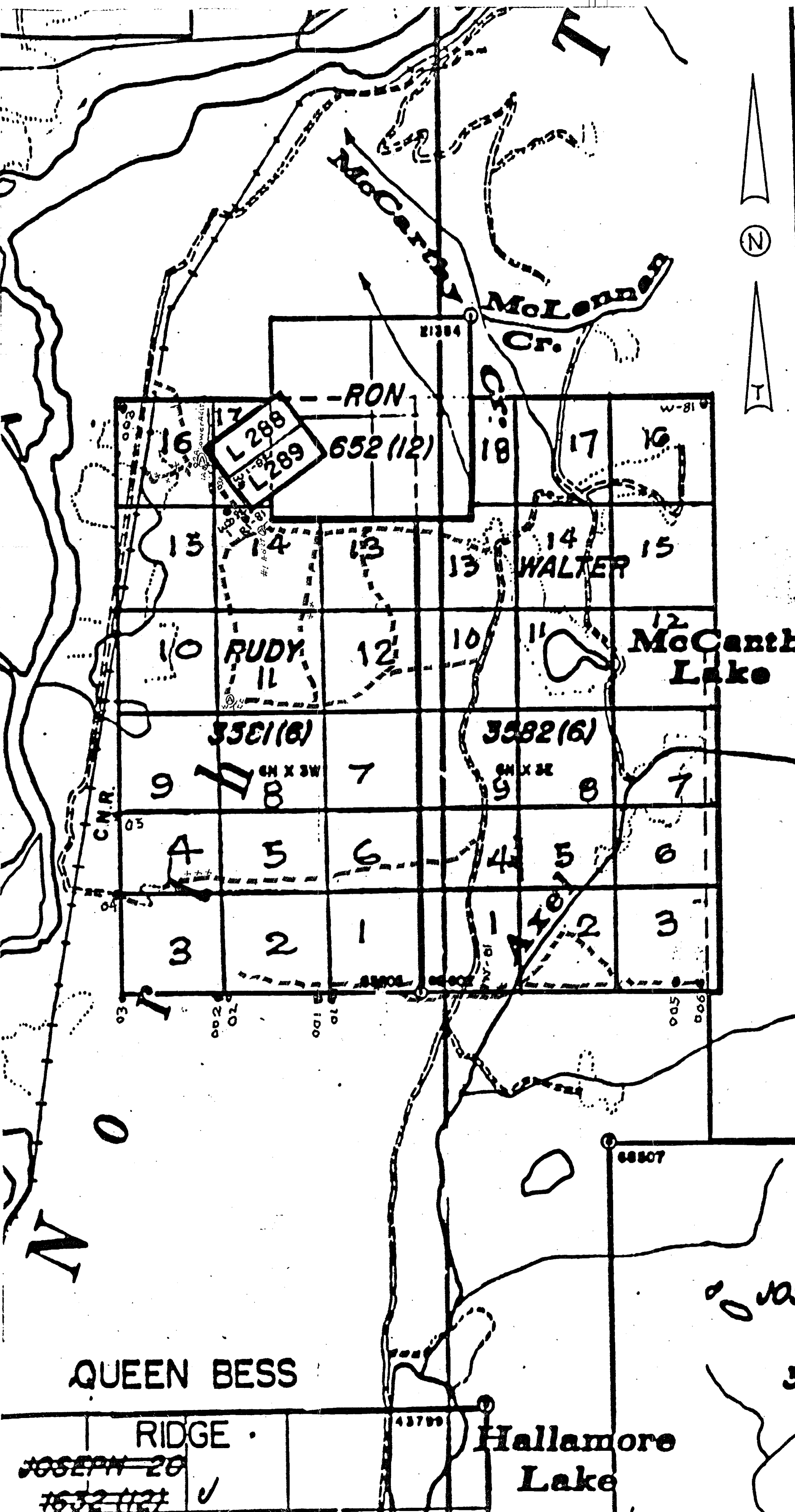


- LEGEND**
- ⑤ C.N. Railway
  - ② Highway
  - Roads
  - Secondary Roads
  - Contours-100 foot
  - River
  - Dry River Bed
  - Creeks
  - Lakes
  - Claim Boundaries
  - Land Lot "
  - Raft Prov. Forest Boundaries
  - Buildings
  - Legal Corner Posts ○

GOLD CENTER RESOURCES LTD.  
 PROPERTY & TOPOGRAPHY  
 KAMLOOPS M.D., B.C.  
 QUEEN BESS RIDGE

500 500 1000  
 Scale-Metres

Map#2  
 June 4/83  
 N.T.S.92P8&9  
 Allen Geological Eng.Ltd.  
 Per *Alfred R. Allen* P.Eng.  
*Alfred R. Allen*



RUDY AND WALTER CLAIMS  
KAMLOOPS M.D., B.C.  
N.T.S. 92 P 9 E

CLAIMS MAP GEOLOGICAL BRANCH ASSESSMENT REPORT

11,885

Map # 1A

*Alfred R. Allen* P. Eng.

Alfred R. Allen

LEGEND  
 (A) Lower #, W.  
 O SOIL SAMPLES (1982) (A, B, C, D, E)  
 X X X FOAT  
 --- TRAVERSES  
 - - - TRENCHES

