84-4583 - 12706

ASSESSMENT REPORT

RE:

MAGNETOMETER, EM AND GEOLOGICAL SURVEYS

ON THE

GOLD PRINCE #1 AND GOLD PRINCE #2

MINERAL CLAIM GROUP (32 UNITS)

RECORD NOS. 4579, 4580(7)

BRIGADE LAKE AREA

KAMLOOPS MINING DIVISION

TWP 17, RANGES 17 AND 18, W6

N. Lat. 50degrees28minutes W. Long. 120degrees21minutes

92-I-8W

OWNER AND OPERATOR OF CLAIMS HANOVER INDUSTRIES LTD.

Suite 856

409 Granville Street

Vancouver, British Columbia

V6C 1T2

by J. Paul Stevenson

August 1, 1984

1650 Riverside Dr. North Vancouver, B.C.

GEOLOGICAL BRANCH ASSESSMENT REPORT

12,706

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Summary and Conclusions

An area of magnetic "low" has been noted on the airmag map of the area. This low is coincident with a shallow valley and has been further investigated by a VLF EM and ground magnetometer surveys. The survey consisted of 6Km of total field magnetometer survey and 6Km of EM survey. These surveys have indicated an anomalous northerly trend. This anomaly must be followed up with more detailed geophysics and soil geochemistry.

INSTRUMENTATION AND THEORY

A standard VLF-EM was used for the survey. This instrument is designed to measure the magnetic component of a very low frequency (VLF) electromagnetic field. The U.S. Navy submarine transmitter station NPG Jim Creek, Washington, U.S.A. was used facing West.

The EM readings were reduced by applying the Fraser Filter and plotted. Filtered data, as shown on the accompanying map are plotted between reading stations. The positive data were plotted on 5 meter contour intervals.

The Fraser Filter is essentially a 4-point difference operator which transforms zero crossings into peaks, and a low pass smoothing operator which reduces the inherent high frequency noise in the data. Therefore, the noisy, non-contourable data are transformed into less noisy, contourable data. Another advantage of this filter is that a conductor that does not show up as a cross-over on the unfiltered data quite often will show up on the filtered data.

The magnetometer was a total field Scintrex MPl instrument. No diurnal variation was observed and the data is considered reliable.

REPORT

ON THE

GOLD PRINCE #1 AND GOLD PRINCE #2

MINERAL CLAIM GROUP (32 UNITS)

RECORD NOS. 4579, 4580(7)

BRIGADE LAKE AREA

KAMLOOPS MINING DIVISION

TWP 17, RANGES 17 AND 18, W6

KAMLOOPS DIVISION OF THE YALE LAND DISTRICT

KAMLOOPS, BRITISH COLUMBIA

N. Lat. 50°28'00"

W. Long. 120°21'30"

92-I-8W

for

HANOVER INDUSTRIES LTD.
Suite 856
409 Granville Street
Vancouver, British Columbia
V6C 1T2

bу

DONALD W. TULLY, P. ENG.

August 23, 1983

West Vancouver, B.C.

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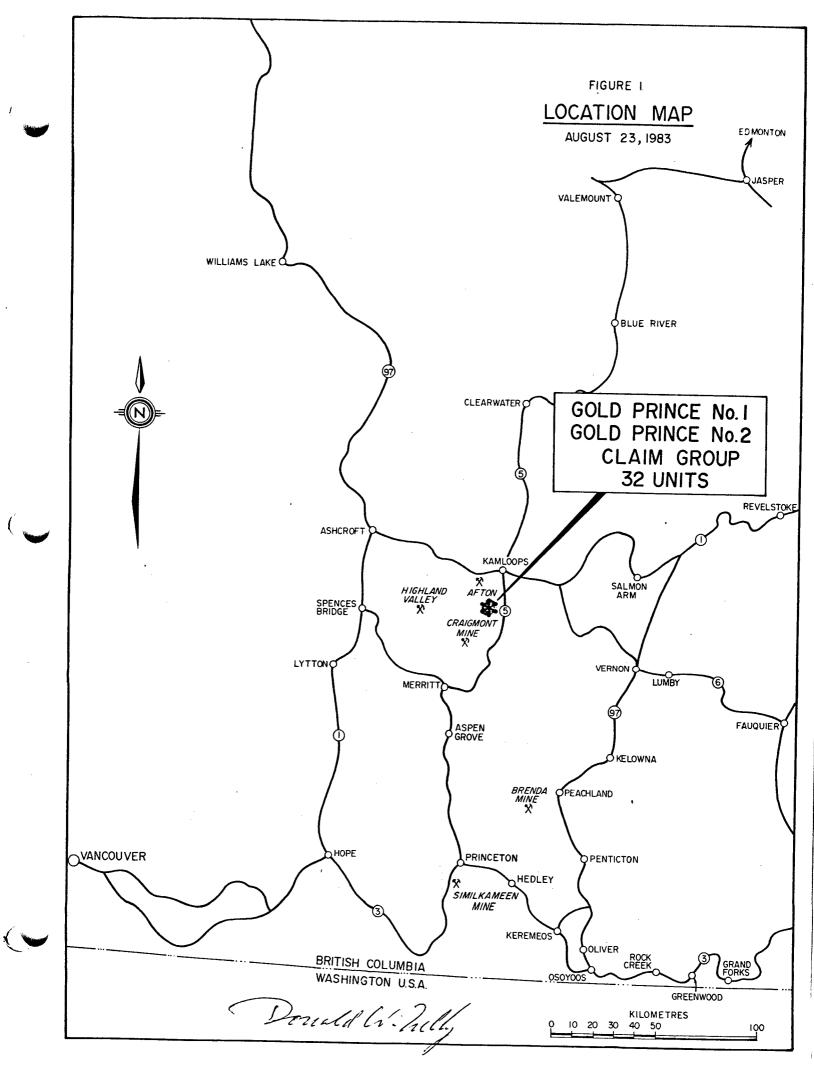
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Assay Certificate # 83-1768



INTRODUCTION

This report was prepared pursuant to a request from the Directors of Hanover Industries Ltd., Suite 856, 409 Granville Street, Vancouver, British Columbia, V6C 1T2

The purpose of this report is to summarize the results of any previous development work done on the mineral claim area and assess the mine-making potential of the property.

This report is based upon a field examination of the claim area on August 19, 1983.

A program of mineral exploration is recommended.

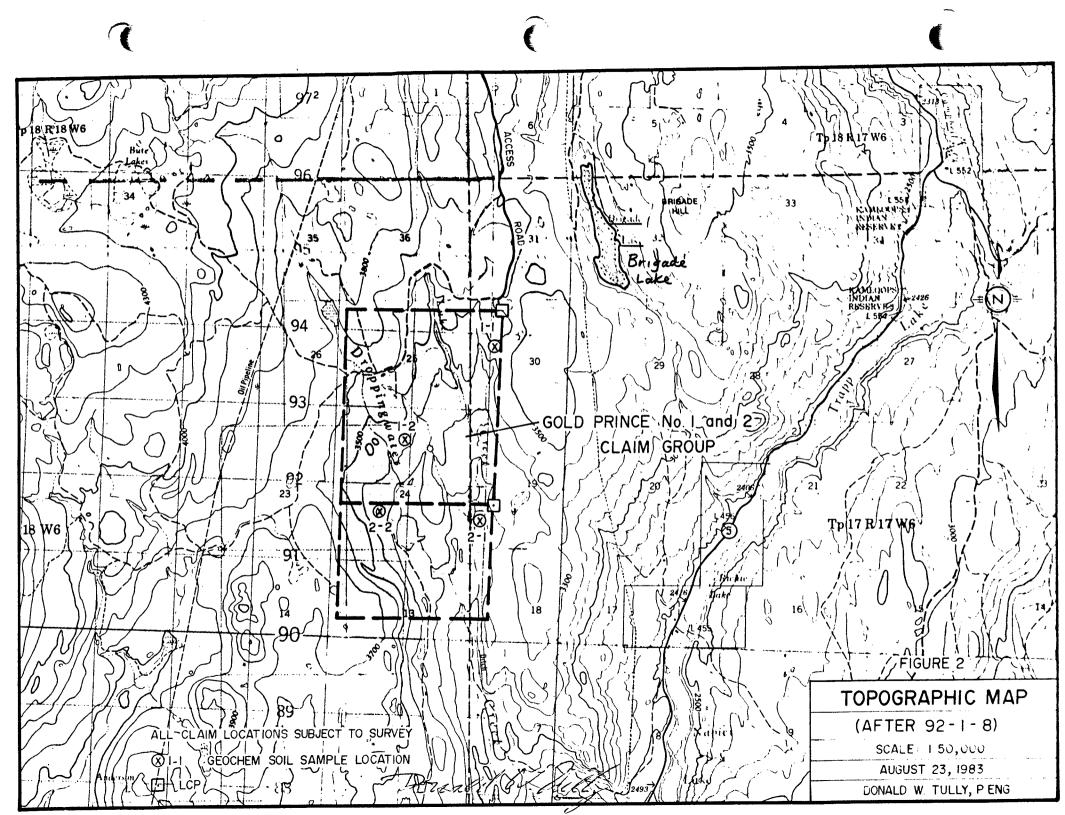
SUMMARY AND CONCLUSIONS

The GOLD PRINCE #1 and GOLD PRINCE #2 mineral claims are located about twenty kilometres due south of Kamloops in southwestern British Columbia.

The property consists of two contiguous mineral claims containing twenty and twelve units each respectively for a total of thirty-two mineral claim units.

Access to the ground is readily available by motor vehicle south from Knutsford along the McLeod Lake road to Brigade Lake. The claimed land is situated about one kilometre southwest of Brigade Lake. Several old farm roads occur over the rolling topography of the claim area, which is essentially used for agricultural purposes.

Scattered outcrops of basaltic volcanics were observed, carrying occasional fine grains of pyrite and considerable magnetite, on the GOLD PRINCE #1 and #2 claim area.



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AUGUST 23, 1983 DONALD W. TULLY, P. ENG.					• * • • * * * * * * * * * * * * * * * * * * *	(weens		艾尔			

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These volcanics apparently belong to the Kamloops Group of Tertiary rocks.

A northwest trending shallow valley occurs in the southwest sector of the GOLD PRINCE #1 claim. This topographic feature appears to coincide with a magnetic "LOW" noted on the aeromagnetic map of the area.

It is concluded the property warrants a program of mineral exploration as there appears to be no record of previous exploration work done on this ground.

A three-phase program of mineral target search and delineation is recommended at a total estimated cost of \$125,525.

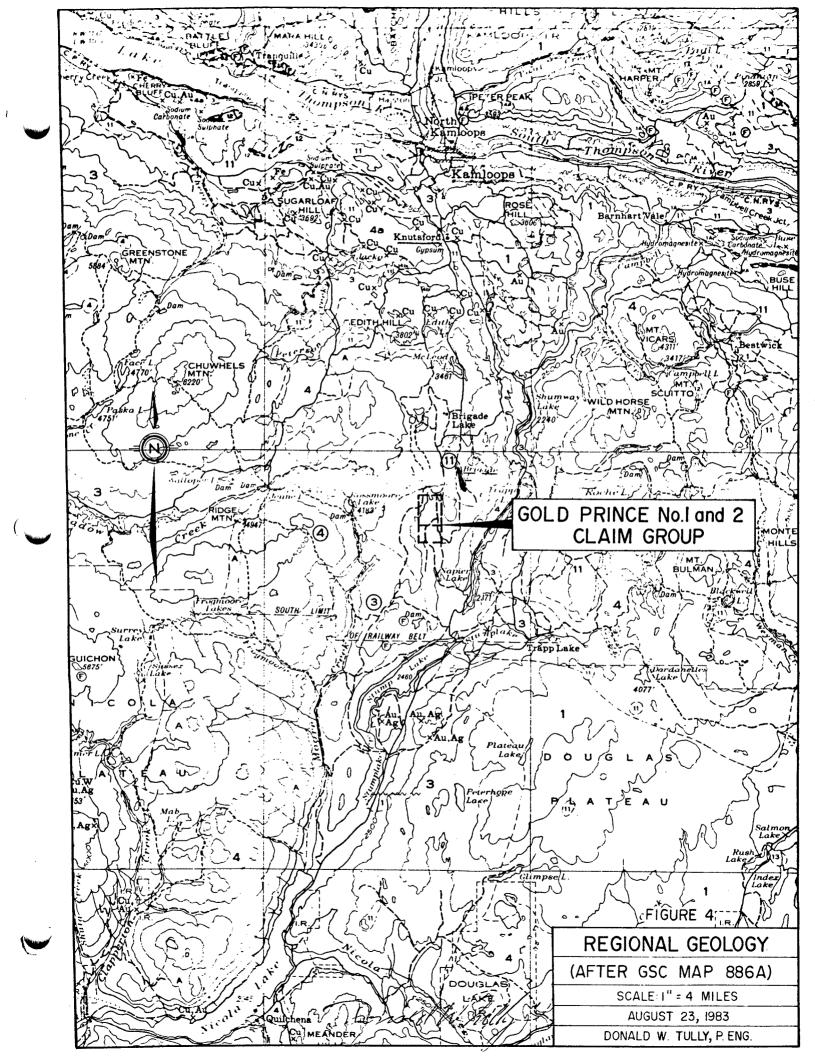
PROPERTY - LOCATION, ACCESS, PHYSIOGRAPHY AND ENVIRONMENTAL CONSIDERATIONS

The Hanover Industries property consists of two contiguous mineral claims named the GOLD PRINCE #1 and the GOLD PRINCE #2, comprising a total of thirty-two units.

The claims are located near Brigade Lake some twenty kilometres due south of the City of Kamloops, British Columbia.

Road access on to the claim area is available by motor vehicle via the hamlet of Knutsford, south of Kamloops on Hwy 5, and thence southward along the McLeod Lake road to the property, a road distance of some twenty-five kilometres.

The claimed ground is essentially farm land.



The topography is rolling and open with scattered groves of aspen, spruce and poplar. Elevations range from about 3,200 feet to some 3,500 feet above sea-level over the claims.

The climate in the Kamloops area is temperate with mild winters and relatively dry and warm summers.

Adequate water supply for any immediate industrial needs is available from nearby Brigade Lake.

In the environmental sense, the property is considered to be only moderately sensitive.

CLAIMS

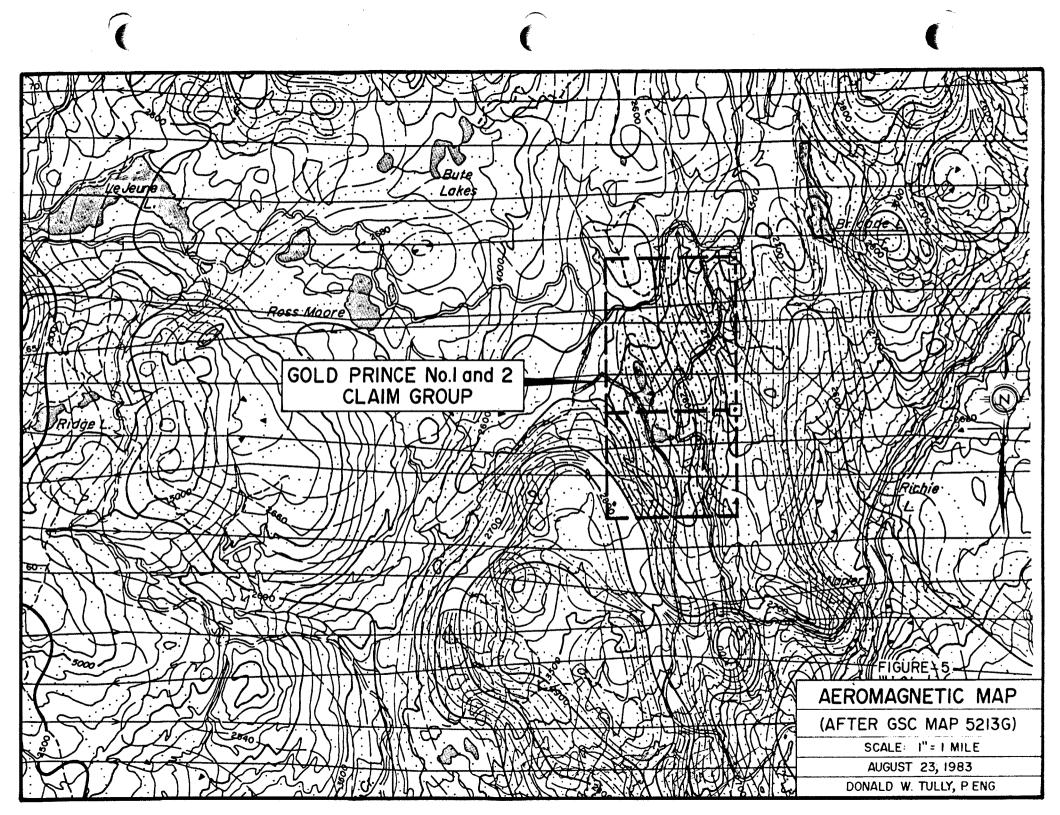
The GOLD PRINCE #1 and the GOLD PRINCE #2 are located in the Kamloops Mining Division, British Columbia.

The GOLD PRINCE #1 claim contains twenty units and the GOLD PRINCE #2 claim contains twelve units.

Information on file with the Gold Commissioner at Kamloops is as follows:

Claim Name	Record No.	Units	Record Date	Recorded Holder
GOLD PRINCE #1	4579	$55 \times 4W = 20$	July 13, 1983)	100% interest to Jake Penner
GOLD PRINCE #2	4580	$3S \times 4W = 12$ $Total = 32$	July 13, 1983)	

The GOLD PRINCE #1 and #2 mineral claims are indicated on British Columbia Mineral Titles Map M92-I-8W (Figure 3).



It is recommended the perimeter of the GOLD PRINCE #1 and #2 claims be surveyed to establish the claimed ground and the working area. A search of the ownership of the surface rights on the GOLD PRINCE #1 and #2 claim area is beyond the scope of this report.

HISTORY - PREVIOUS DEVELOPMENT

The mineral history of the Kamloops area dates back to the early 1880's when gold and silver were found on the east side of Stump Lake. Since that time, metalliferous deposits of copper, gold, silver, iron, silver, lead, zinc and mercury, as well as coal and gypsum, have been worked.

Total mineral production from the Kamloops Area has now reached many hundreds of millions of dollars in metal value.

The GOLD PRINCE #1 and GOLD PRINCE #2 mineral claims are considered to be located in the environs of a favourable mineral producing area.

There is no record of previous mineral development on the Hanover Industries property.

REFERENCES

Geological Survey of Canada Memoir 249 and accompanying 886A and 887A

Geological Survey of Canada Aeromagnetic Map 5213G.

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REGIONAL AND LOCAL GEOLOGICAL SETTING

Overburden is predominant over the claim area.

According to Geological Survey of Canada Map 886A, the mineral claim area is underlain by Tertiary volcanics belonging to the Kamloops Group.

The writer observed scattered outcrops of basalt during the property examination.

A tentative geologic timetable of events in the general claim area is as follows:

Formation	Description/Event	Age
Sand and loam, gravel and glacial	Unconsolidated	Quaternary
debris	(Erosional unconformity)	
Tertiary volcanics (Kamloops and later Groups)	Basalt, rhyolite and volcanic fragmentals	Pre and post Miocene
	(Erosional unconformity, folding, faulting and related tectonic activity)	
Mineralization and quartz veining	Gold and silver associ- ated with sulphides of copper, lead, zinc and iron	Tertiary (?)
	(Folding, faulting and related tectonic activity)	
Granitic Intru- sions	Granite, granodiorite and associated porphyry types	Cretaceous (?)
-	(Folding, faulting and related tectonic activity)	

Formation	Description/Event	Age
Nicola Volcanics	Greenstone, basalt and associated volcanics and sediments	Upper Triassic
	(Major unconformity)	
Cache Creek Group (?)	Sediments and intercal- ated volcanic horizons	Late Paleozoic (?)

A study of Aeromagnetic Map 5213G suggests the underlying basement geological structure trends northerly and may be dragfolded.

A north-northwest trending magnetic "LOW" occurs in the southwest sector of the GOLD PRINCE #1 area.

MINERALIZATION

Four reconnaissance geochemical soil samples were taken on the claim area as shown on Figure 2. The results of the analyses of these samples were as follows:

Sample No.	Gold/ppb	Silver/ppm	Copper/ppm	Lead/ppm	Zinc/ppm
GP1-1	ND	0.1	32	6	67
GP1-2	ND	0.1	33	6	73
GP2-1	ND	0.1	34	4	62
GP2-2	ND	0.1	40	15	63

ESTIMATED COST OF THE PROPOSED WORK PROGRAM

Ph	a	S	е	1

Geochemical soil sample the claim area on a 100-metre grid, analyze an estimated 775 soil samples using the ICP method of analysis and prepare an engineering report 8,525	Survey the working area of the mineral claimsusing a chain and compass	\$	500
	on a 100-metre grid, analyze an estim- ated 775 soil samples using the ICP method of analysis and prepare an engin-	8	3 , 525

Total estimated cost of Phase 1

\$ 9,025

Phase 2

Carry out a combined magnetometer and VLF-electromagnetic survey on the same grid pattern

(Estimate 65	$line-km \times $350/line-km)$	
and prepare	an engineering report	25,000

Total estimated cost of Phase 2

\$ 25,000

Phase 3

	rvey over any n Phases 1 & 2	20,000

Diamond drill test (assume 750 metres (2460 feet) @ \$82/metre (\$25/ft.)

61,500

Contingency for supervision, corehandling, assaying and engineering report

10,000

Total estimated cost of Phase 3

91,500

Total estimated cost of Phases 1, 2 and 3

\$125**,**525

Respectfully submitted,

August 23, 1983

Donald W. Tully, P. Eng

Breald W. Lell

CERTIFICATE

I, DONALD WILLIAM TULLY, of the Corporation of West Vancouver, Province of British Columbia, hereby certify as follows:

- I am a Consulting Geologist with an office at Suite 1205, 555 - 13th Street, West Vancouver, B.C.
- 2) I am a registered Professional Engineer of the Provinces of British Columbia and Ontario.
- 3) I graduated with a degree of Bachelor of Science, Honours Geology, from McGill University in 1943.
- 4) I have practiced my profession for thirty-eight years.
- 5) I have no direct, indirect or contingent interest in the shares of Hanover Industries Ltd., or the GOLD PRINCE #1 and GOLD PRINCE #2 mineral claims, subject of this report, nor do I intend to have any interest.
- 6) This report dated August 23, 1983, is based on a field examination I made on August 19, 1983, and from information gathered from available maps and reports.
- 7) I have not examined any mineral claims during the past five years that are located within ten kilometres of the GOLD PRINCE #1 and GOLD PRINCE #2 mineral claims.
- 8) Written permission is required from the author to publish this report dated August 23, 1983 in any Prospectus or Statement of Material Facts.

DATED at West Vancouver, Province of British Columbia, this 29th day of August, 1983.

DONALD W. TULLY, P. ENG., Consulting Geologist

Douned W. Lielly

APPENDIX

DON TULLY ENGINEERING LTD.
SUITE 1205, 555-13TH STREET
WEST VANCOUVER, BRITISH COLUMBIA
V7T 2NB

HANOVER

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS, VANCOUVER B.C.

PH: 253-3158

TELEX:04-53124

ICP GEOCHEMICAL ANALYSIS

A .500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H20 AT 90 DEG.C. FOR 1 HOUR. THE SAMPLE IS DILUTED TO 10 MLS WITH MATER. THIS LEACH IS PARTIAL FOR: Ca,P,Mg,A1,Ti,La,Na,K,M,Ba,Si,Sr,Cr AND B. AU DETECTION 3 ppm.

DATE RECEIVED NG 22 1983 DATE REPORTS MAILED Fug 26/83 ASSAYER 1 DONE DEAN TOYE, CERTIFIED B.C. ASSAYER

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6P2-2	1	40	15	65	.1	37	12	662	2.83	6	2	ND	2	66	1	2	2	60	.85	.12	10	42	.57	171	.07	5	1.63	.04	. 25	2		
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STRATO GEOLOGICAL ENGINEERING LTD.

103-709 DUNSMUIR STREET

VANCOUVER, BRITISH COLUMBIA

V6C 1M9

TELEPHONE (604) 687-4610

INVOICE

November 8, 1983

HANOVER INDUSTRIES LTD.

856 - 409 Granville Street,

Vancouver, B. C. V6C 1T2

ATTN: Mr. Jake Penner

RE: Magnetometer and VLF Electromagnetic Survey over the east-central portion of the GOLD PRINCE #1 and #2
Mineral Claims, Brigade Lake area, B. C.

- Completed data and maps to be submitted to D.W. Tully Engineering Ltd. as per agreed contract.

TO: Field Work (October 6, 7, & 8, 1983)

- M. Pond, B.Sc., Geologist and J. Langewitz, C.E.T., Geological Technician.

- Data reduction, plotting of field maps, draftin of results, etc. for D.W. Tully.

Jud Stiel Due \$ 1,500.00

In account with : Mr. J. Penner

Hanover Industries Ltd

Suite 856

409 Granville Street Vancouver, B. C.

V6C 1T2

To preparation of ten copies of a report on the GOLD PRINCE #1 and GOLD PRINCE #2 mineral claim group, Record Nos. 4579 and 4580(7), Kamloops Mining Division, B. C. and dated August 23, 1983 as follows:

August 18 - 26, 1983 - To property examination, portion of travel cost, assaying, drafting and report preparation costs

Му	fee	and	apportioned	expenses	5		. .	 	.\$1,	,200.00
Le	ss a	dvan	ce	- · · · · · · · ·				 	.\$	500.00
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				Balance	owin	g		 	. Ş	700.00

August 26, 1983

Signed

INVOICE

HANOVER INDUSTRIES LTD. 856-409 Granville St. Vancouver, B.C.

ATTN: JAKE PENNER

RE: COMPILATION OF DATA

ASSESSMENT REPORT PREPARATION

TRIP TO VERIFY GRID AND GRID LOCATION

FOUR DAYS AT \$150.00 per day

\$600.00

CERTIFICATE

- I, J. Paul Stevenson of 1650 Riverside Drive, North Vancouver, B.C. do hereby certify:
- 1) That I have been involved in mineral exploration since 1965.
- 2) That I have been engaged in prospecting and development in B.C., the Yukon, the Northwest Territories, and the western United States of America.
- 3) That the contractors and their employees are known to be of professionable calibre.
- 4) That I am not a professional engineer or progessional geologist but that I am qualified to prepare and comment on all of the aforegoing data.

J Paul Stevenson, Prospector

