

PERCUSSION DRILLING REPORT

on the

LAW GROUP OF MINERAL CLAIMS

SIMILKAMEEN MINING DIVISION

NTS 92H/10W

LATITUDE  $49^{\circ}35.3'N$       LONGITUDE  $120^{\circ}54.8'W$

Owners of Record

W. K. Hanlin  
2208 - 232nd St.  
Langley, B.C.

and

W. A. Howell  
10611 Ainsworth Cres.  
Richmond, B.C.

Operator

JMT Services Corp.  
8827 Hudson Street  
Vancouver, B.C.

Author

W. A. Howell

Submitted

October 23, 1981

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**SUMMARY**

A percussion drilling programme consisting of 855 feet (260.7 m) of drilling in 5 holes, was conducted in an area, almost totally devoid of outcrop on the Law Group of Mineral Claims located on Skwum Creek about 11 km WNW of Tulameen, B.C. Bedrock cuttings from 10 foot intervals were geochemically analysed for gold and arsenic. The analyses showed gold and arsenic to be present in only trace amounts. It is concluded that the amount of both elements present is not significant within the area evaluated.

## INTRODUCTION

The claim area was first investigated by JMT geologists in 1968 as a consequence of regional exploration for porphyry systems in the area.

Work by other operators and familiarity with the area by company personnell indicated an area of interest around Skwum Creek. The present claims were staked in the spring and summer of 1980 to cover the anticipated significant areas.

## LOCATION, ACCESS AND PHYSIOGRAPHY

The claims straddle Skwum Creek and the main Tulameen-Coquihalla access road. They are located 11.5 km in a direct line WNW of the small community of Tulameen, or approximately 15 km along the road from Tulameen, toward Coquihalla pass.

The area has been extensively logged and this activity has created a network of access roads throughout the region. The unlogged areas are moderately to densely wooded with stands of spruce, balsam (true fir) and pine providing the basis of the logging industry. The area straddles a transition zone between the moist coastal climate and the dry interior. Elevations on the property range from 1100 metres to 1500 metres with vegetation cover over most of the surface. Slopes vary from relatively flat in the valley bottom to steeply wooded on the upper valley side walls.

## CLAIMS & OWNERSHIP

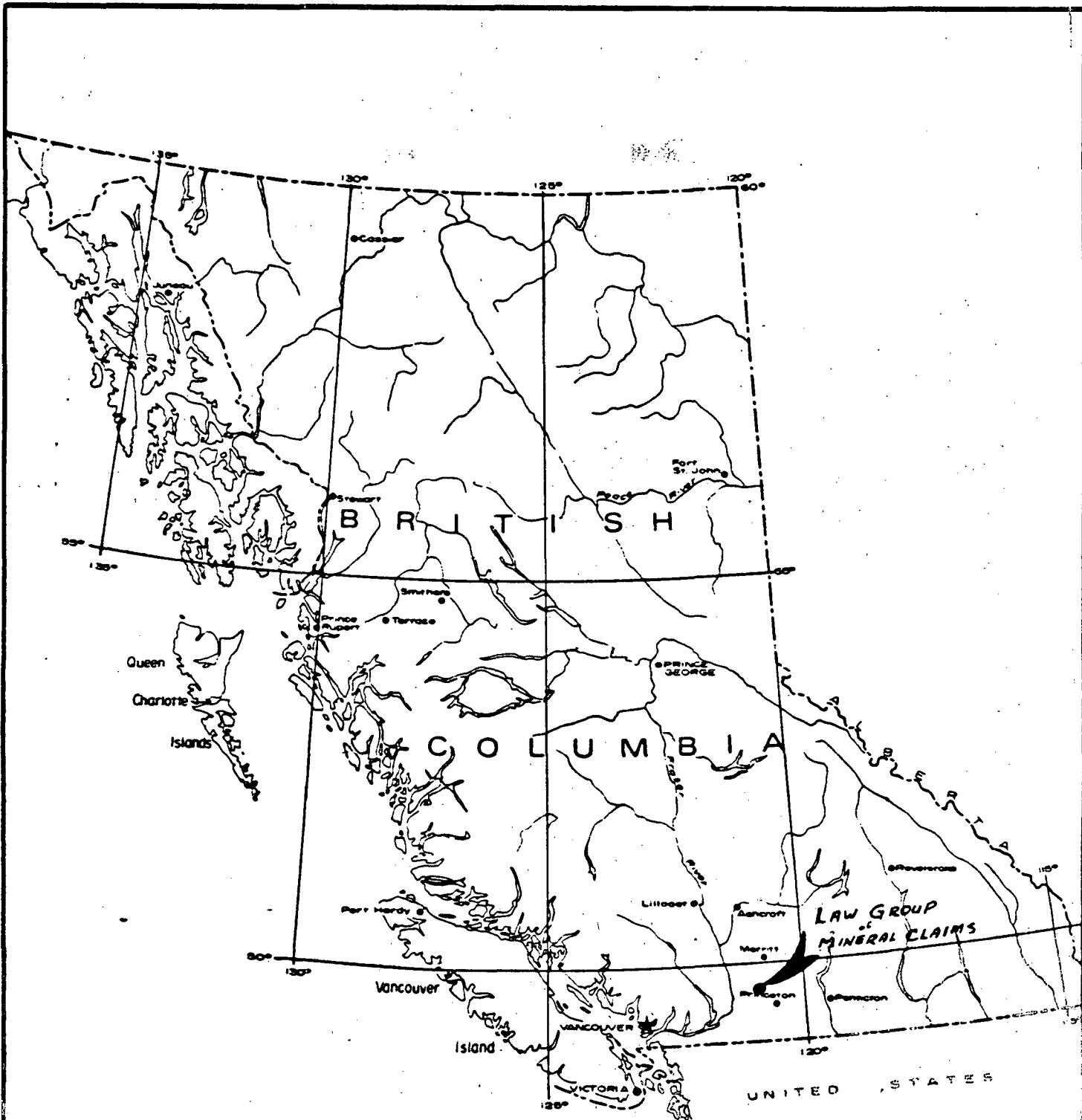
The Law Group of Mineral Claims consists of 3 claims, as follows:

LAWS' HOME	Record No. 1036 (5)
LAWS' HERE	Record No. 1037 (5)

The owner of record of which is Mr. W. K. Hanlin, 2208 - 232nd Street, Langley, B.C.

JUSTICE 1	Record No. 1135 (8)
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The owner of record of which is Mr. W. A. Howell, 10611 Ainsworth Crescent, Richmond, B.C. V7A 3V5



<b>JMT SERVICES CORP.</b>			
<i>Fig 1</i>			
<b>PROPERTY LOCATION MAP</b>			
SCALE			
M.B. 136			
Prepared By:	Date:	JMTS MAP	DRAWING NO.
Drawn by:	Revised:		



#### PREVIOUS WORK

Claims have been held sporadically in the area since about 1900 when Charles Law and Associates first staked ground about 2½ km south of the present "Law Group". HMA Rice (in G.S.C. Memoir 243) documents work through 1929 on the old "Laws Camp". In more recent years, the area has been prospected and had some geochemical programmes conducted by the Britco Syndicate in 1969 and subsequently optioned to Copper Range Exploration and Hudson Bay Oil and Gas Ltd. Several percussion holes were drilled at that time, some of which were abandoned in overburden.

#### CURRENT WORK PROGRAMME

The 1981 Drilling Programme consisted of 5 percussion holes, all drilled low on the hillsides and adjacent to Skwum Creek. The drill hole locations are presented on Figure 3 appended to this report. Merrit-Furk Brothers Drilling Company Limited from Merritt, B.C. was contracted to do the drilling programme, using a Copco percussion drill and a 'wet' return system.

Samples were collected from bedrock cuttings over 10 foot (3.3 m) intervals. The total return from a 10 foot interval was collected in a large plastic garbage can, treated with a flocculating agent and allowed to settle for about 20 minutes before being decanted. A sample of approximately 2.5 kg (5-6 lbs) was cut from the sludge and bagged in untreated canvas bags. The sample was then allowed to drip dry. A second sample was cut from the same interval and kept as a cutting reference and "backup" sample.

All samples collected in this manner were shipped to Chemex Labs Ltd., 212 Brooksbank Avenue, North Vancouver, B.C. where the samples were dried and split. A suitable portion was then pulverized to approximately -100 mesh in readiness for digestion and analysis.

All samples collected were analysed for arsenic and gold.

Arsenic analyses were performed using a perchloric-nitric acid digestion followed by a standard atomic absorption hydride finish.

Gold determinations were done with a fire assay preconcentration and neutron activation analysis.



Results of the analyses with appropriate depth intervals are appended to this report.

DRILL HOLE SUMMARY

DPH 81-1	0 - 70' (0-21.34m)  70 - 155' (21.34-47.26m)  155' (47.26m)	collared in bedrock of dark grey biotite/ hornblende porphyry, contains common fracture and minor disseminated pyrite light grey sericitized quartz monzonite contains common pyrite to $\approx 2\%$ total sulphides mostly disseminated END OF HOLE in fault cave (clay/sericite gouge).
DPH 81-2	0 - 100' (0 - 30.5m)	overburden - fluviatile sediments of sands and gravels. Hole terminated in caving sands below extent of casing
DPH 81-3	0 - 20' (0 - 6.10 m) 20' - 200' (6.10-60.98)  200' (60.98m)	Overburden  light grey to white sericitized quartz monzonite, common to abundant pyrite, mostly disseminated, Total sulphide content is 2 - 5%. Hole terminated at projected depth.
DPH 81-4	0 - 40' (0-12.20m) 40' - 200' (12.20 - 60.98m)  200' (60.98m)	overburden  light grey to white sericitized quartz monzonite, common to abundant pyrite mostly disseminated. Total sulphide content 2 - 5% Hole terminated at projected depth.
DPH 81-5	0 - 120' (0 - 36.6m)	overburden, casing to 100' (30.5m) probable bedrock at 120'

DPH 81-5	120' - 200' (36.6 - 60.98)	light grey sericitized quartz monzonite similar to previous holes. Open hole from 100 to 120 feet in overburden has contributed a contamination factor to the cutting returns
	200' (60.98m)	Hole terminated at projected depth.

#### DISCUSSION OF RESULTS AND CONCLUSIONS

Hole 81-1 results for both arsenic and gold were very low. No significant amounts of either gold or arsenic were detected in Hole DPH-81-1.

Hole 81-3 produced higher but still insignificant amounts of arsenic and gold. Values ranged from 0 ppm to 27 ppm As and from 1 ppb to 15 ppb Au.

Hole 81-4 and 81-5 produced results ranging somewhat midway between Hole 1 & 2. Results from both Hole 4 and Hole 5 show insignificant amounts of both gold and arsenic to be present in either hole.

It may be concluded from the results that gold and arsenic are absent in significant amounts over the area tested by the 1981 percussion drilling programme.



# CHEMEX LABS LTD.

212 BROOKSBANK AV.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: (604) 934-0221  
TELEX: 043-52597

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

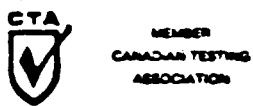
• JMT SERVICES CORP:  
8827 HUDSON ST:  
VANCOUVER, B.C.  
V6B 4N1

CERT. # : A8111021-001-A  
INVOICE # : I8111021  
DATE : C2-JUN-81  
P.O. # : NONE  
02-300

DEPTH  
(Feet)

Sample Description	Prep code	AS ppm	AU-NAA ppb				
DPH-81-1 0-10	205	4	1	--	--	--	--
DPH-81-1 10-20	205	4	3	--	--	--	--
DPH-81-1 20-30	205	3	<1	--	--	--	--
DPH-81-1 30-40	205	3	8	--	--	--	--
DPH-81-1 40-50	205	3	1	--	--	--	--
DPH-81-1 50-60	205	3	2	--	--	--	--
DPH-81-1 60-70	205	4	2	--	--	--	--
DPH-81-1 70-80	205	4	<1	--	--	--	--
DPH-81-1 80-90	205	3	3	--	--	--	--
DPH-81-1 90-100	205	4	<1	--	--	--	--
DPH-81-1 100-110	205	5	<1	--	--	--	--
DPH-81-1 110-120	205	4	<1	--	--	--	--
DPH-81-1 120-130	205	4	<1	--	--	--	--
DPH-81-1 130-140	205	4	1	--	--	--	--
DPH-81-1 140-150	205	4	<1	--	--	--	--
DPH-81-1 150-155	205	3	<1	--	--	--	--
DPH-81-3 20-30	205	16	6	--	--	--	--
DPH-81-3 30-40	205	9	2	--	--	--	--
DPH-81-3 40-50	205	12	2	--	--	--	--
DPH-81-3 50-60	205	16	11	--	--	--	--
DPH-81-3 60-70	205	22	10	--	--	--	--
DPH-81-3 70-80	205	27	15	--	--	--	--
DPH-81-3 80-90	205	22	8	--	--	--	--
DPH-81-3 90-100	205	14	3	--	--	--	--
DPH-81-3 100-110	205	10	7	--	--	--	--
DPH-81-3 110-120	205	12	5	--	--	--	--
DPH-81-3 120-130	205	15	7	--	--	--	--
DPH-81-3 130-140	205	11	5	--	--	--	--
DPH-81-3 140-150	205	20	1	--	--	--	--
DPH-81-3 150-160	205	14	1	--	--	--	--
DPH-81-3 160-170	205	14	2	--	--	--	--
DPH-81-3 170-180	205	15	1	--	--	--	--
DPH-81-3 180-190	205	16	2	--	--	--	--
DPH-81-3 190-200	205	15	1	--	--	--	--
DPH-81-4 40-50	205	7	8	--	--	--	--
DPH-81-4 50-55	205	9	8	--	--	--	--
DPH-81-4 60-70	205	9	4	--	--	--	--
DPH-81-4 70-80	205	14	<1	--	--	--	--
DPH-81-4 80-90	205	14	2	--	--	--	--
DPH-81-4 90-100	205	7	1	--	--	--	--

Certified by *Hart Bichler*



MEMBER  
CANADIAN TESTING  
ASSOCIATION



# 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

<b>CERTIFICATE OF ANALYSIS</b>
--------------------------------

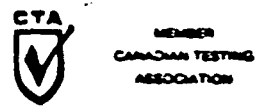
• JMT SERVICES CORP;  
 8827 HUDSON ST;  
 VANCOUVER, B.C.  
 V6B 4N1

CERT. # : A8111021-002-A  
 INVOICE # : I8111021  
 DATE : 02-JUN-81  
 P.O. # : NONE  
 02-300

Depth  
(feet)

Sample Description	Prep code	AS ppm	AU-NAA ppb				
DPH-81-4 100-110	205	9	4	--	--	--	--
DPH-81-4 110-120	205	5	5	--	--	--	--
DPH-81-4 120-130	205	7	3	--	--	--	--
DPH-81-4 130-140	205	11	4	--	--	--	--
DPH-81-4 140-150	205	5	6	--	--	--	--
DPH-81-4 150-160	205	7	3	--	--	--	--
DPH-81-4 160-170	205	6	16	--	--	--	--
DPH-81-4 170-180	205	10	1	--	--	--	--
DPH-81-4 180-190	205	6	1	--	--	--	--
DPH-81-4 190-200	205	9	3	--	--	--	--
DPH-81-5 130-140	205	7	<1	--	--	--	--
DPH-81-5 140-150	205	6	1	--	--	--	--
DPH-81-5 150-160	205	5	<1	--	--	--	--
DPH-81-5 160-170	205	7	<1	--	--	--	--
DPH-81-5 170-180	205	7	1	--	--	--	--
DPH-81-5 180-190	205	7	1	--	--	--	--
DPH-81-5 190-200	205	12	1	--	--	--	--

Certified by *Hart Risher*



STATEMENT OF COSTS

LAWS' CAMP

TIME

W. A. Howell, geologist	May 1 - 5	5 days @ \$200	\$1,000.00
T. Oliver, assistant	May 2 - 5	4 days @ \$125	500.00
W. Livingstone, geologist	May 2,3	2 days @ \$200	400.00

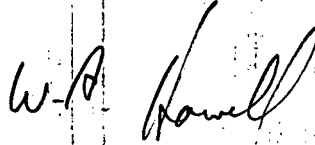
Truck rental			680.00
Meals - 11 mandays @ \$20.00			220.00
Motel - 5 nights @ \$30			150.00
Assays - estimated 60 samples @ \$3.75			225.00
Percussion drilling 845 feet			6,028.75
Report, maps, drafting, typing			<u>500.00</u>
			<u>\$9,703.75</u>

NOTE: \$1,003.75 into PAC of W. K. Hanlin

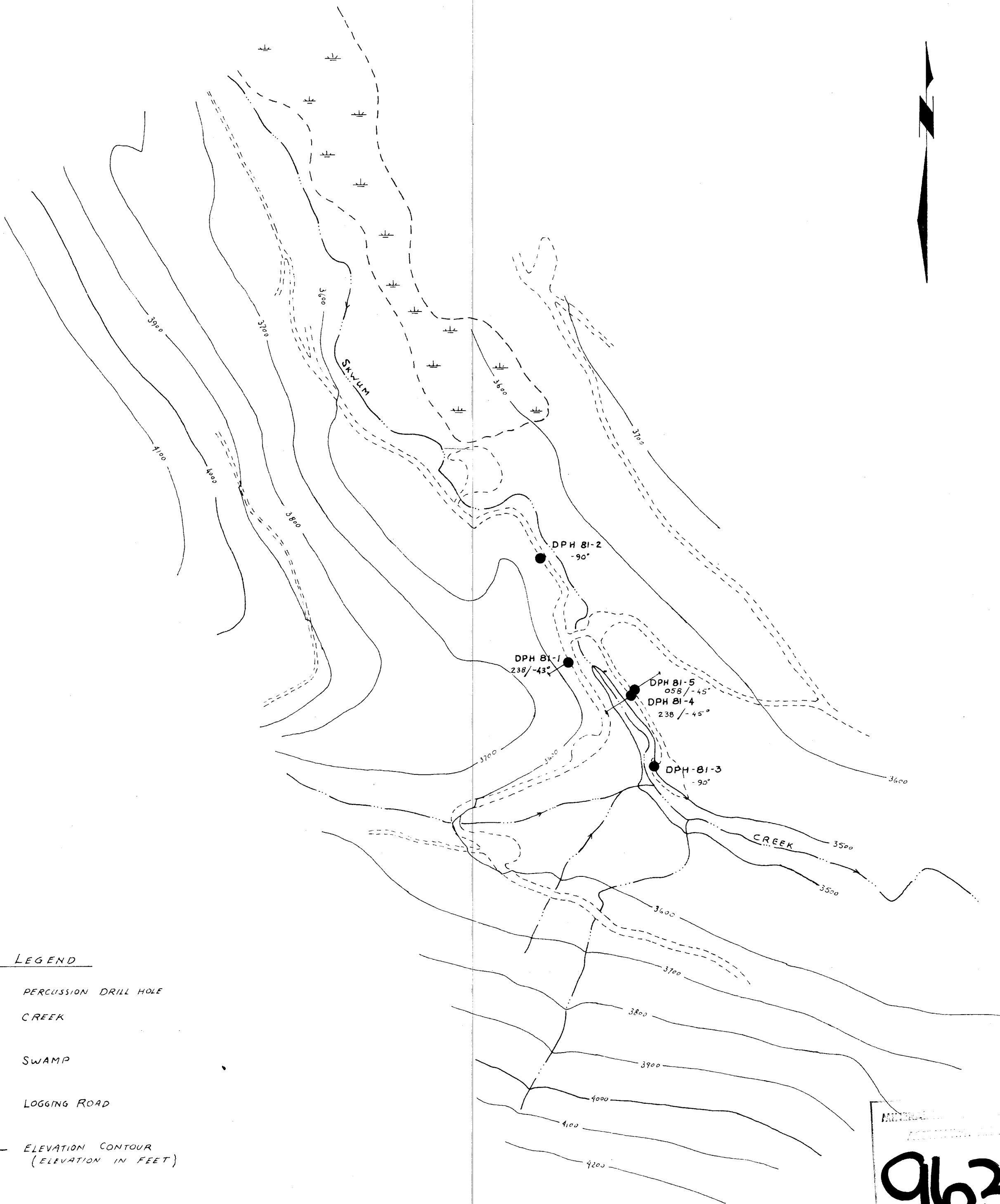
STATEMENT OF QUALIFICATIONS

I, WILLIAM A. HOWELL of Vancouver, British Columbia, do hereby certify that,




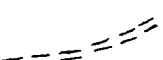

1. I reside at 10611 Ainsworth Crescent, Richmond, B.C.
2. I am a graduate of the University of British Columbia and have a Bachelor of Science degree in geology, 1971.
3. I have been employed in the mineral exploration industry since 1967, continuously since 1971 in a variety of supervisory capacities.
4. This report is based on my personal knowledge of the district, and mapping of the geology at the property.

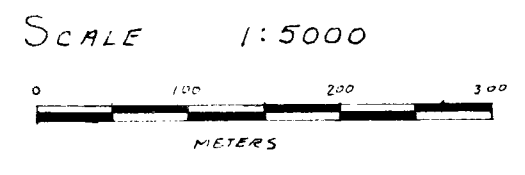


W. A. Howell



**LEGEND**

-  PERCUSSION DRILL HOLE
-  CREEK
-  SWAMP
-  LOGGING ROAD
-  ELEVATION CONTOUR (ELEVATION IN FEET)



9631

*W.A. Howard*  
Oct. 22 1981

<b>JMT SERVICES CORP.</b>	
Fig. 3	
PERCUSSION DRILL HOLE LOCATIONS	
LAW GROUP of MINERAL CLAIMS	
NTS 92 H-10	SIMILKAMEEN MINING DIV.