

Drilling
REPORT ON THE
CR CLAIM GROUP PROPERTY

SIMILKAMEEN MINING DIVISION

BRITISH COLUMBIA

(92 H-9W)

49° 33', 120° 23.5'

FOR

SUBURBAN RESOURCES LTD.

23 JULY 1985

FILMEL

by: R. H. JANES, P.Eng.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

14,804

CONTENTS

Page.

- 1 INTRODUCTION
- 3 CONCLUSIONS AND RECOMMENDATIONS
WORK PROGRAM AND ESTIMATED COSTS
- 6 HISTORY AND WORK DONE
- 6 REGIONAL GEOLOGY
- 8 PROPERTY GEOLOGY
- 12 REFERENCES
- 13 CERTIFICATE

APPENDICES

- I MINERAL CLAIM DETAIL
- II DRILL LOGS FOR DDH's 1-84, 2-84 and 3-84
- III CERTIFICATE OF ANALYSES

MAPS

- LOCATION Figure 1
- CLAIMS Figure 2
- REGIONAL GEOLOGY Figure 3
- GEOLOGY OF MAIN WORK AREA Figure 4

INTRODUCTION

E. E. North of Suburban Resources requested Janes to examine the CR claim group property, drill core from the property and results of previous work done on the property. Janes visited the property on June 15 and logged core June 16, 1985. E. E. North acted as guide.

The property is situated on the western flank of the Okanagan Range between 13 and 18 kilometres north-east of Princeton. Road access from Princeton to the work area is via 17 kilometres and 2 kilometres of paved and all weather logging road respectively. The Canadian Pacific Railway along Hayes Creek crosses the north-west corner of the claim group. Elevation is between 2,600 and 5,000 feet. The area is covered with conifer forest. Climate in the valleys is dry continental and pleasant. The property consists of seven claims, totaling 48 units. Claim details are listed in Appendix I.

SUBURBAN RESOURCES LTD.

CR CLAIM GROUP PROPERTY

SIMILKAMEEN M.D.-B.C.

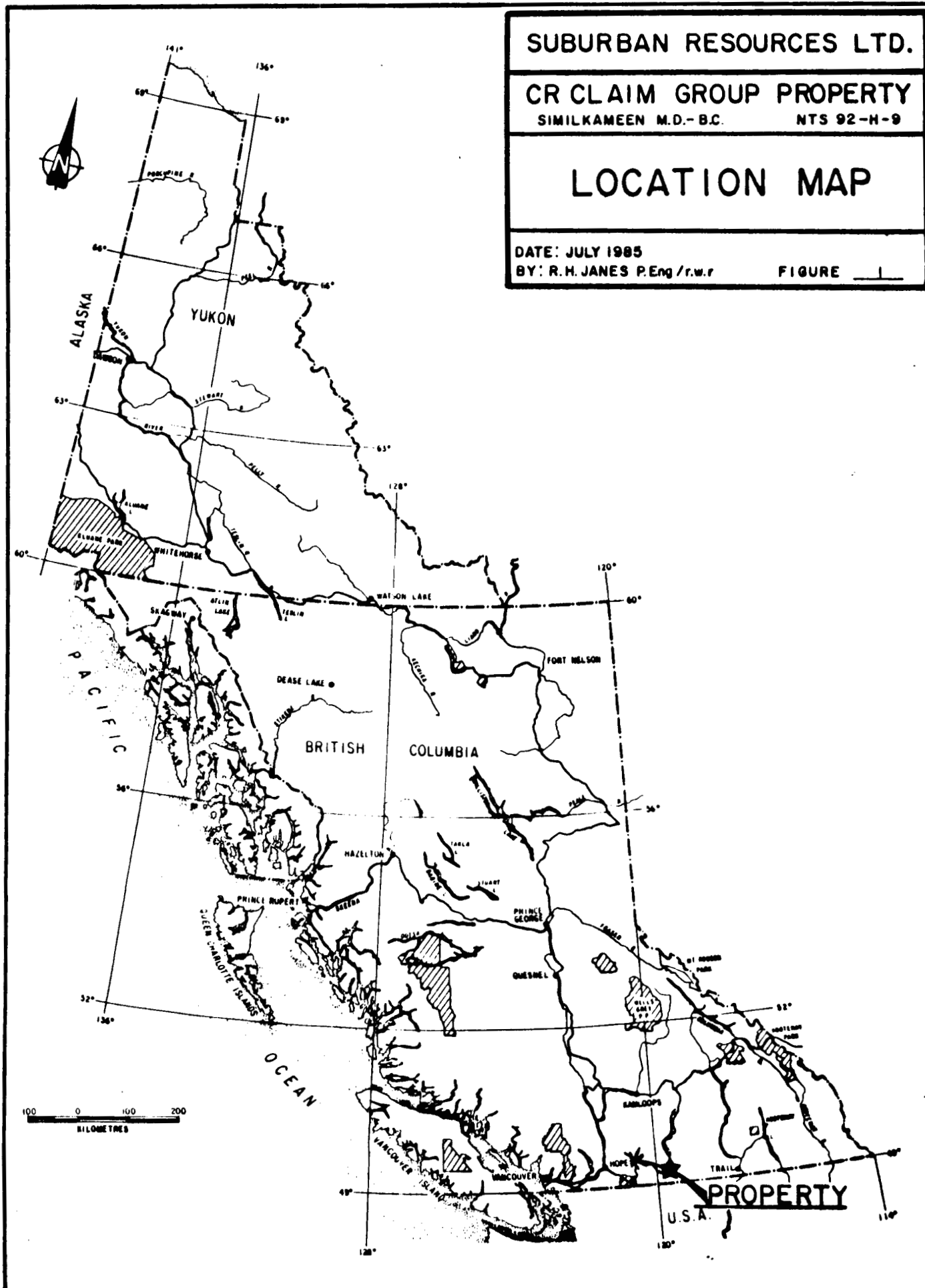
NTS 92-H-9

LOCATION MAP

DATE: JULY 1985

BY: R. H. JANES P.Eng /r.w.r

FIGURE 1



CONCLUSIONS & RECOMMENDATIONS

The type of hydrothermal alteration, presence of a significant volume of breccia and wide spread occurrence of disseminated crystalline pyrite in a complex stock intruded by felsic dykes, of possible Tertiary age, are characteristic of porphyry type mineralization. Data collected to date is inadequate to define an exploration target.

Hydrothermal rock alteration and rock geochemistry may provide further target definition and additional work to outline and assess these features is merited and recommended.

An exploration program comprising a ground magnetometer survey which would outline areas of alteration or concentrations of magnetite and an accompanying VLF survey to outline significant fault and shear zones is recommended. Geological mapping and rock geochemistry also are recommended, outcrop permitting. Back-hoe trenching of significant anomalies would be warranted. A program at an estimated cost of \$72,500 is outlined.

Since mineralization discovered to date is peripheral in nature some ground addition may be required.

RECOMMENDED WORK PROGRAM AND ESTIMATED COSTS

a. Grid, Geophysics and Geology:

To cover property (4,000m east-west and 3,000m north-south), east-west base line and two east-west tie lines by compass and topofil, blazed. North-south cross lines at 100m spacing (41 lines) with instrument readings at 25m intervals. Grid control and geophysical surveys done concomitantly. Geological mapping where outcrop permits and silt sampling of creeks on all cross lines.

Geologist and two prospector-technicians for 60 days; wages @ \$400/days, meals and accommodation @ \$150/day, includes travel time to and from Vancouver. \$33,000
Instrument rental. 3,000

b. Trenching:

Back-hoe for 14 days @ \$480/day 6,800
(crawler mounted).
Geologist for 14 days @ \$200 + \$50/day 3,500

c. Other:

Analyses. 3,000
Transport, pick-up for 2½ months 2,500
Maps and report preparation. 3,000

Field Costs \$54,800

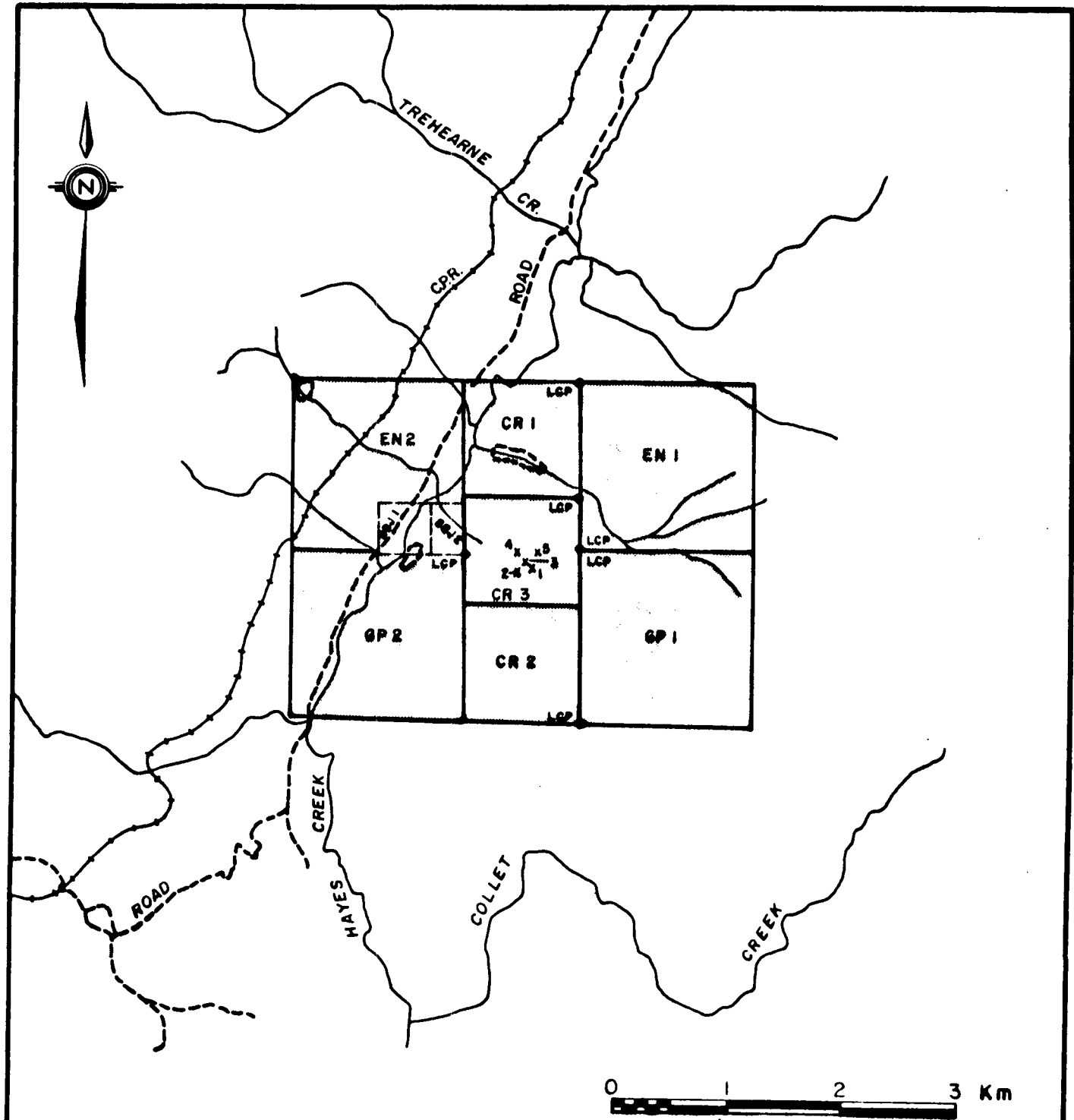
Management and Administration:

Contract for management of field work, 15% of field costs. \$ 8,200
Company overhead (15% of project cost of \$63,000) 9,500



TOTAL \$72,500

R. H. Janes 

R. H. Janes 



LEGEND:

-  OUTCROP AREA
(LEUCOGRANITE WITH PYRITE)
-  TRENCH LOCATION
- LCP LEGAL CORNER POST

SUBURBAN RESOURCES LTD.	
CR CLAIM GROUP PROPERTY	
SIMILKAMEEN M.D.-BC	NTS 92-H-9
CLAIM MAP	
DATE: JULY 1985	
BY: R.H. JANES PEng/r.w.r.	FIGURE <u>2</u>

HISTORY AND WORK DONE

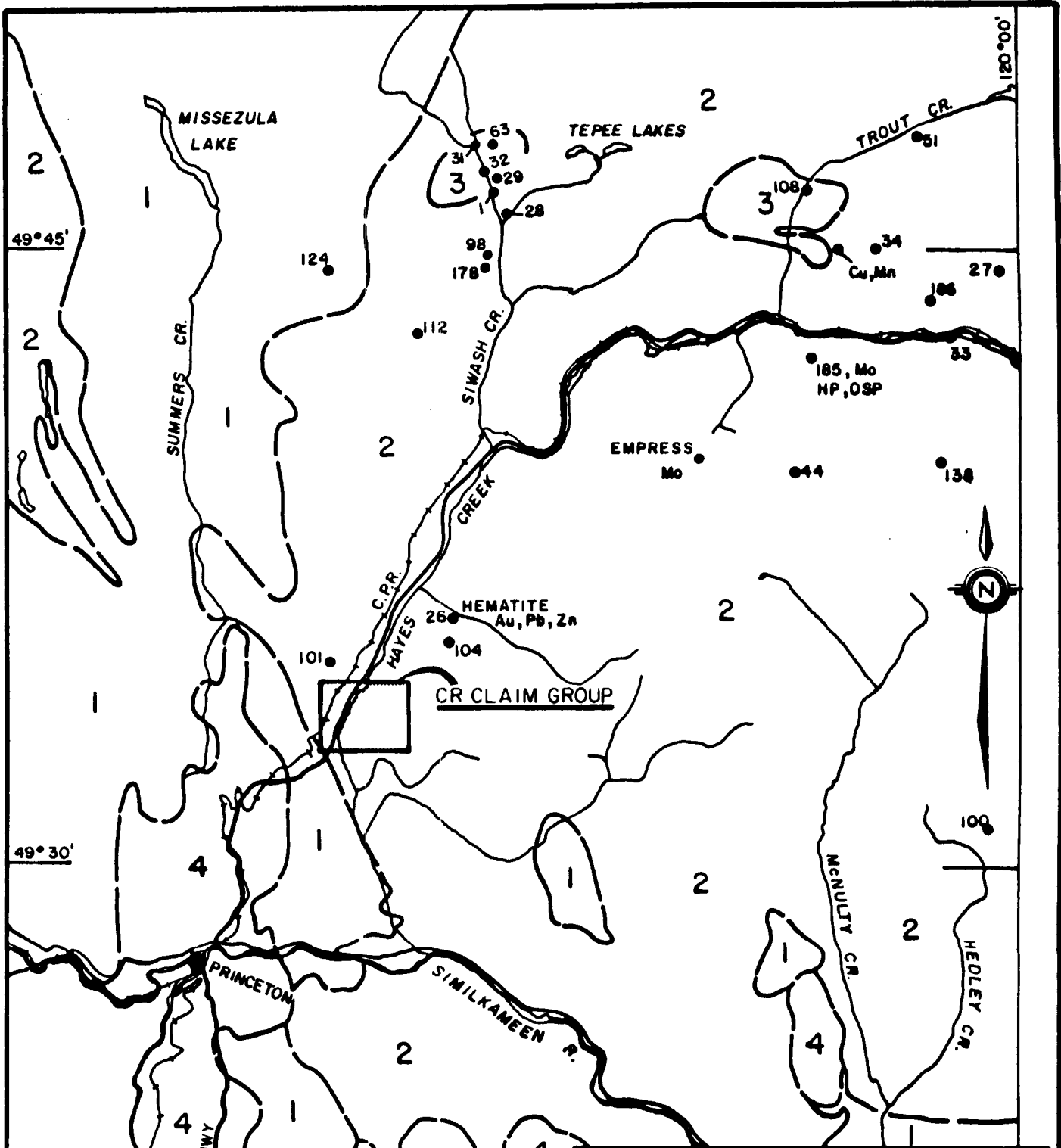
In 1983 E. North and partner discovered altered and rusty rock along a newly located logging road. A detailed grid with flagged lines at 25m spacing was put in to cover claim CR 2. Soil sampling and a VLF survey were completed on this grid. Five backhoe trenches were dug and three diamond drill holes, totalling 350m, were put down. Cost of this work plus fees for professional direction as advised by E. North, amounted to approximately eighty thousand dollars.

REGIONAL GEOLOGY

The claims lie on the edge of a major granitic intrusion, the Pennask Batholith of Middle Jurassic age. Three coeval stocks form this intrusion. The Okanagan Stock comprises the southern lobe. It is a composite intrusive, predominantly granodiorite and leucogranite which hosts the granitic Otter Intrusions of Late Cretaceous or Tertiary age and later andesitic and felsic dykes, feeders for the Princeton Group volcanics. The Brenda Stock situated north of the Okanagan Stock is a zoned and composite quartz diorite body cut by dykes of widely divergent compositions. Underlying Pennask Lake and extending west is the Pennask Stock composed mainly of grey uniform slightly foliated granodiorite. The western segment of the Pennask Batholith intrudes Nicola Group volcanics and sediments of Upper Triassic age. Cache Creek Group sediments of Late Paleozoic age are intruded along the eastern contact. Schistose hornfels developed in the Nicola Group adjacent the batholith.

Structural trends within the Okanagan stock, as indicated by drainage systems, are north-west south-east and south south-west, north north-east. These probably represent well developed fracture and joint systems.

The major orebody within the Pennask Batholith is the Brenda copper-molybdenum deposit. Mineralization, predominantly chalcopyrite and molybdenite, and less pyrite and magnetite occur in a gangue of quartz, potassium feldspar, epidote, calcite and/or biotite, generally confined to fracture fillings. Grade is a function of fracture density and the mineralogy of the filling material (Soregaroli, 1974)



LEGEND:

- 4 PRINCETON GROUP
- 3 OTTER INTRUSIONS
- 2 OKANAGAN
- 1 MAINLY NICOLA GROUP
- MOLYBDENUM & OTHER PROSPECTS

SUBURBAN RESOURCES LTD.	
CR CLAIM GROUP PROPERTY	
SIMILKAMEEN M.D.-BC	NTS 92-H-9
REGIONAL GEOLOGY	
GEOLOGY AFTER GSC MAP 886A , 1947	
DATE: JULY 1985	0 4 MILES
BY: R.H JANES PEng/r.w.r.	FIGURE 3

Mineralization within the Okanagan Stock, generally is associated with the Otter Intrusions and possibly related felsic dykes. No past or present producers exist. Shear and fracture zones mineralized with or without hematite, and base metal sulphides, with silver in some instances, occur. Quartz veins, chlorite and/or kaolinite may be present. Several molybdenite showings have been explored. Possibly the most important is the Empress prospect located five and a half kilometres south of Osprey Lake. Here molybdenite, pyrite and magnetite occur within fractures and quartz stringers in quartz monzonite and alaskite (Otter Intrusion?). Disseminated molybdenite also is present. Slight sericite, chlorite and kaolinite alteration has taken place.

PROPERTY GEOLOGY

The claims lie on the western edge of the Okanagan Stock or Osprey Lake Body (Rice, 1947). It is richer in potassium feldspar and quartz than the Pennask Stock. Characteristically it is a light-coloured rock largely composed of quartz, plagioclase and pink orthoclase or microcline (Rice).

Except along the incised creeks and logging roads outcrop on the property is believed to be poor. Bedrock was examined in Trench No. 1, drill core, in the upper part of the ravine on claim CR 1 and along the hillside east of Hayes Creek. Overburden as observed in the trenches is composed of layered gravels and sand, largely transported material.

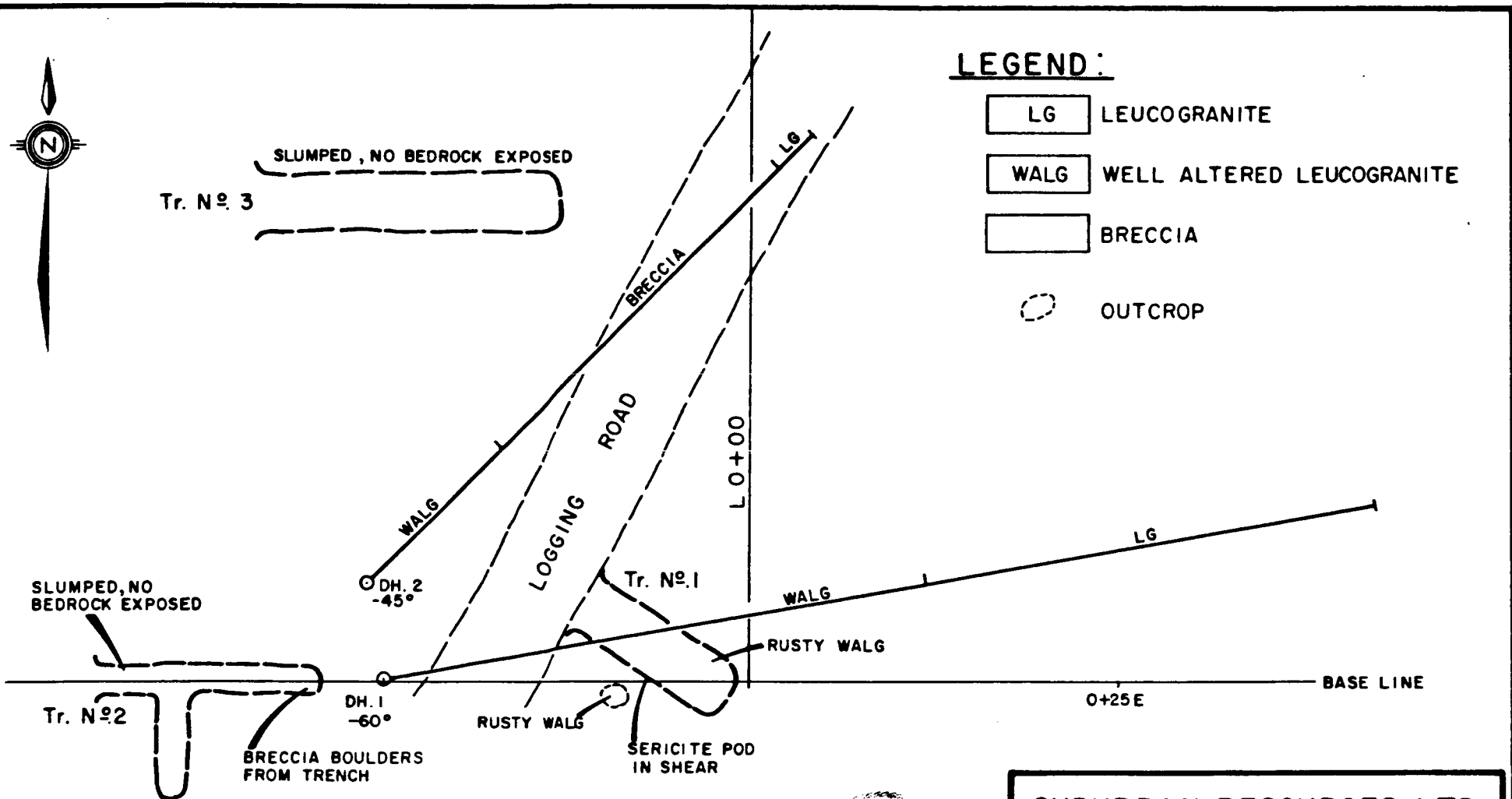
Well altered rusty and fractured leucogranite is exposed in Trench No. 1 located by the discovery outcrop. Pods of sericite, up to half a metre in dimension, occur along shears. Quartz filled fractures and a few quartz veinlets are present, not enough to justify the term stockwork. Minor amounts of pyrite are contained in the vein quartz. Grab samples taken by E. Fluskey, Granges Exploration, from either wall returned sub-commercial values, best was 0.033% Mo. Drill Hole No. 1 passing below Trench No. 1 intersected 28m of well altered leucogranite. Alteration is sericite and kaolinite, where alteration is intense sericite predominates. Cross cutting



Tr. N^o. 3
SLUMPED, NO BEDROCK EXPOSED

LEGEND:

- LG LEUCOGRANITE
- WALG WELL ALTERED LEUCOGRANITE
- BRECCIA BRECCIA
- O OUTCROP



SLUMPED, NO BEDROCK EXPOSED

Tr. N^o. 2

BRECCIA BOULDERS FROM TRENCH

DH. 1
-60°

DH. 2
-45°

RUSTY WALG

SERICITE POD IN SHEAR

Tr. N^o. 1

RUSTY WALG

WALG



SUBURBAN RESOURCES LTD.

CR CLAIM GROUP PROPERTY
SIMILKAMEEN M.D.-B.C. NTS 92-H-9

**GEOLOGY
OF MAIN WORK AREA**

DATE: JULY 1985
BY: R.H. JANES P.Eng/r.w.r.

FIGURE 4

diabase or andesite dykes are less altered. Crystalline pyrite, between three and five percent in volume occurs along fractures and as a dissemination in the well altered leucogranite. Pyrite diminishes as alteration becomes weaker. Minor quartz veining is present. Rarely molybdenite occurs as a film on shear surfaces.

Drill Hole No. 2 intersected 18m of well altered leucogranite followed by 35m of breccia. Breccia is composed of fragments of altered leucogranite and in lesser amount altered felsic dyke material. Fragment size varies around several centimetres. Matrix is a darker fine grained material, a few masses of crystalline pyrite and rarely very minor amounts of molybdenite are present.

Drill Hole No. 3, located 250m north of holes Nos. 1 and 2, intersected ten metres of similar breccia which is also silicified. Remainder of hole is in moderately to weakly altered leucogranite intruded by felsic dykes. Fractures are frequent. Felspars show orange colouration along some of these. Pyrite content is between three to four percent by volume at sub-crop and gradually decreases to less than one percent at hole bottom. Molybdenite is rare, occurring as a film on shear surfaces. Trench No. 5, adjacent to this drill hole, is largely slumped. Leucogranite with disseminated pyrite along fractures is exposed. Fractures strike north-westerly and north-easterly.

North of the trenches, on claim CR 1, a creek has incised a ravine into bedrock. A felsic dyke and leucogranite crop out. Leucogranite carries variable minor amounts of disseminated pyrite, locally sufficient to produce rusty outcrop. Occasional patches of mild chloritization are evident. A strong joint system strikes north-westerly.

Traversing the hillside east of Hayes Creek on claim GP 2 minor amounts of disseminated crystalline pyrite were noted in talus and outcrops of leucogranite.

E. North states that a showing of molybdenite as rosettes is present in the north-west corner of claim EN 2. This was not examined.

Three kilometres north-east of the property is situated the Hematite prospect. Here a coarse grained porphyritic granodiorite is in fault contact with leucogranite. The fault zone contains specular hematite in fractures over an area roughly 10 by 12 m. Values in precious metals and lead and zinc are reported. Copper staining is present in the fault zone to the south-east. The property is owned by Verdstone Gold Corporation.

Observation suggests that much of the overburden material may be water transported and consequently data from soil geochemistry may be of doubtful use. Also, metal values reported are low. The B. C. Geochemical Reconnaissance Survey showed generally low values for drainages in the immediate area but collection points are widely dispersed.

Federal magnetic data (Map 8527G) shows a minor low located north of the property. The several molybdenum occurrences in the western segment of the Okanagan Stock do not show distinctive signatures except for the HP, OSP prospect (B. C. Mine file 185, 92H-NE) which is centred within a strong magnetic low.

REFERENCES

- RICE, H. M. A., 1947 Geology and Mineral Deposits of the Princeton Map-Area, British Columbia. GSC Memoir 243.
- SOREGAROLI, A. E., 1974 Geology of the Brenda Copper-Molybdenum Deposit in British Columbia. CIM Bulletin, October 1974.

BCDM Minfile

BCDM MMAR 1928, p. C263
1968, p. 203, 1972 p. 125, 1973, 138

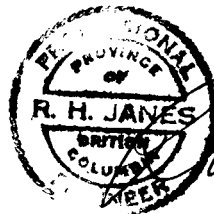
GSC Map's 15-1961, 7687G, 8527G

GSC Open File 865 (BCGRS)

CERTIFICATE

I, Richard H. Janes of Vancouver, British Columbia do hereby certify:

1. That I am an independent qualified mining geologist with an office at 418 - 602 West Hastings Street, Vancouver, B. C. V6B 1P2
2. That I am a registered Professional Engineer in the Province of British Columbia.
3. That I have practised my profession for thirty years.
4. That I have no direct, indirect or contingent interests in the CR Claim Group Property or in any mineral claim within sixteen kilometres of this Property.
5. That I visited the Property on 15 June 1985.
6. That I hereby consent to the publication of my report entitled "Report on the CR Claim Group Property, Similkameen Mining Division, British Columbia" dated 23 July 1985 in a prospectus or statement of material facts.



R. H. JANES, P.Eng.

Vancouver, B. C.
23 July 1985

APPENDIX I
MINERAL CLAIM DETAIL

CLAIM NAME	RECORD NO.	OWNER	DATE RECORDED		NO. OF UNITS
CR 1	2032	L. Nyman, Box 1078, Princeton, B.C.	20 Sept/83	20 Sept/89	4
CR 2	2033	" " " "	20 Sept/83	20 Sept/89	4
CR 3	2035	" " " "	23 Sept/83	23 Sept/89	4
EN 1	2308	G. Perrier, Box 1427, Princeton, B.C.	27 Nov/84	27 Nov/85	9
EN 2	2309	" " " "	27 Nov/84	27 Nov/85	9
GP 1	2310	E. North, Box 2050, Princeton, VOX 1W0	27 Nov/84	27 Nov/85	9
GP 1	2311	E. North " " "	27 Nov/84	27 Nov/85	<u>9</u>
					48

Notes: CR 1 -2 and -3 grouped.

Recording of the following 2 post claims predated that of EN 2 and GP 2. E. North advises that these claims are located north of claim EN 2 and that the location of these on the claim map is incorrect:

BBJ 1	2142	W.B. Cromarty, Box 1204, Princeton, B.C.	1 May/84	1 May/85	-
BBJ 2	2143	" " " "	2 May/84	2 May/85	-

APPENDIX II

DRILL LOGS FOR
DDH 1-84, 2-84 AND 3-84

Scale

Colour Plot
& Dip

Drill Hole Record

Property CR Claims District Parce-ton area, BC Hole No. PDH 1-84
 Commenced 15 Oct 1984 Location Tests at Hor. Comp. 6E13
 Completed 25 Oct 1984 Core Size A 'Corr. Dip -60° Vert. Comp.
 Co-ordinates 0+25N, 0+00 True Brq. 080° Logged by RH Jones P.E.
 Objective % Recov. 90%+ Date 15 June 1985

Footage Metres From To	Description	Sample No.	Length Ft.	Analysis				
				Ag	Au	Pb	Zn	Wt%
0 - 2.74	Casing			g/t	g/t	%	%	%
2.74 - 3.66	0.3m ground fragments	9453	12-18					
3.66 - 13.56	Well altered leucogranite. Coast intrusion, Price's red granodiorite.	9454	18-27					
	Grain pattern lost. Cleavage faces of some feldspars (K?) evident	9455	27-29					
	Colour: shades of cream to light grey. Fine grained sericite evident	9456	29-37	0.4	0.02	0.09		
	over most of section	9457	37-44					
	Disseminated Xine py from 1 to 5% by volume (includes py in fractures). Py. along fractures up to ~ 0.6cm. thick.	9458	44-50					
	3-81 Quartz in fracture	9459	52-57				0.08	
	8.53-13.56 Strongly sericitised, some sections look like all sericite.							
	10-52-10.54 Massive Xine py in fracture.	9460	57-62					
	11-16 Film of MoS ₂ on sheet plane.							
13.56-15.24	Grey fine grained dyke, diabase or andesite.	9461	62-70					
	Altered, H < 5 Feldspar phenocrysts have greenish tinge (< 0.1mm)							
15.24-21.48	Well altered leucogranite	9462	80-85	0.3	0.01	0.06		
	Feldspar & mafic (hornblende) altered to sericite, some (all?) quartz remains. Minor quartz veinlets (< 5mm), fill fractures.	9463					0.09	
	Disseminated py. & py in fractures as before. 3-4%.							
	15.54 Very minor MoS ₂ on sheet plane.							
21.48-24.36	Grey fine grained dyke, diabase or andesite.							
	Plagioclase in clusters of crystals, 1-2mm dia							
	Occasional blebs of Xine py plus py along fractures, ~ 1%.							

Claim CR-1
 T Brq.
 Collar Dip
 Elev.
 Length 106.25m
 Hole No. 1170. J.S.A. Sheet 1/4

Scale

Colour Plot
& Dips

Drill Hole Record

Property	District	Hole No.	DDH 1-84	
Commenced	Location	Tests at	Hor. Comp.	
Completed	Core Size	Corr. Dip	Vert. Comp.	
Co-ordinates	True Brg.	Logged by		
Objective	% Recov.	Date		
Footage	Description	Sample No.	Length Ft	Analysis
From To				Ag Au % Cu Pb Zn
				G.T. G.T. % % %
	Carbonate fills some fractures.			
24.32-27.64	Well altered leucogranite	9464	90-95	
	Altered to grey green mass of fine grained chlorite & sericite (?) with occasional masses & veinlets of quartz. Very occasional masses of Xim py to Tem. dia, py. by vol. 1-2%	9465	95-100	0.4 0.01 0.01 0.00
		9466	100-105	
		9467	105-112	
	25.37-25.45 Filled of MnS ₂ on fractures	9468	112-116	
27.64-35.35	Altered leucogranite			
	Alteration gradually decreasing with depth. Crystal form and composition becoming more evident. Dissemin'd py. 2 to 4%	9469	128-130	
		9470	130-135	
	27.89 Xim or plate of MnS ₂ on quartz	9471	135-140	
35.36-37.32	Grey fine grained dyke, diabase or andesite	9472	140-145	
	Clusters of fibrous phenocrysts (~3-4 mm).	9473	145-150	0.2 0.01 0.01 0.00
39.32-44.92	Altered leucogranite	9474	150-154	
	Alteration decreasing with depth. From moderate alteration to weak. Dissemin'd same py. 1-3%. Chlorite & sericite (?) developed along fractures. A few short sections show moderate to strong chlorite-sericite alteration e.g. 46.63-47.09.	9477	155-160	0.3 0.01 0.01 0.03
		9478	160-165	0.2 0.01 0.01 0.04
		9479	165-170	0.1 0.01 0.01 0.07
		9480	170-175	0.1 0.01 0.01 0.05
74.92-75.16	Grey fine grained dykes, diabase or andesite	9481	175-180	0.2 0.01 0.01 0.06
75.16-97.54	Weakly altered leucogranite	9482	180-185	0.2 0.01 0.02 0.03
	Py content decreases to almost nil at around 83.82	9483	185-190	0.1 0.01 0.05 0.01
	Leucogranite: medium, constant texture & grain size.	9484	190-195	0.6 0.01 0.01 0.01
	85-90% feldspar, 15-10% hornblende, feldspar > quartz	9485	195-200	0.4 0.01 0.01 0.02

Hole No. 2114 J.H.P.
Sheet 2/4

Scale

Colour Plot
& Dips

Drill Hole Record

Property	District	Hole No.	DDH 1-4
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates	True Brg.	Logged by	
Objective	% Recov.	Date	

Sample No.	Length Ft.	Analysis			
		Ag.	Al.	Mg.	Ti.
9486	200-205	0.3	0.02	0.01	0.01
9487	205-210	0.3	0.01	0.01	0.01
9488	210-215	0.1	0.01	0.01	0.01
9489	215-220	0.1	0.01	0.01	0.03
9490	220-225	0.1	0.01	0.01	0.01
9491	225-230	0.3	0.01	0.01	0.02
9492	230-235	1.0	0.01	0.01	0.01
9493	235-240	0.2	0.02	0.01	0.01
9494	240-245	0.2	0.01	0.01	0.01
9495	245-250	0.3	0.01	0.01	0.01
9496	250-255	0.1	0.01	0.01	0.01
9497	255-260	0.2	0.01	0.01	0.03
9498	260-265	0.3	0.01	0.01	0.02
9499	265-270	0.6	0.01	0.01	0.01
9500	270-275	0.2	0.01	0.01	0.05
7355	275-280	0.5	0.01	0.02	0.02
7356	280-285				
7357	285-290				
7358	290-295				
7359	295-300				

Depth Metres From To	Description
97.84-98.05	Dyke, fine grained, felsic.
	Porphyritic feldspar & quartz eyes up to a few mm's long. Alteration has occurred along fractures, 1-2 mm's wide, cream coloured. Feldspar phenocrysts altered, some show epidote (?) development. Fine Xine py present along fractures.
101.50	Aplite stringer ~ 3 cm's wide, inclined to core.
98.05-105.10	Leucogranite. Local development of orange colouration in feldspar due to K spar or hematite dusting?
105.10-105.34	Aplite dyke, similar composition to leucogranite (?)
105.34-105.64	Leucogranite (core ground & broken)
105.64-105.86	Felsic dyke, grey, fine grained.
	Felsic groundmass laced with mafic acicular mineral (unidentified) up to a 1 cm. long. Crystalline py associated with acicular min and along fractures, 5-10% by volume in coarser grained (matrix) section of dyke. Minor scattered development of epidote. A dark coloured mineral is present as a fine clusting. Acicular mineral may be a composite or it may be altered.
105.86-106.80	Leucogranite
106.80-107.14	Felsic dyke
107.14-107.41	Leucogranite
107.41-108.02	Felsic dyke, as before, py 3-5%
108.02-108.57	Leucogranite

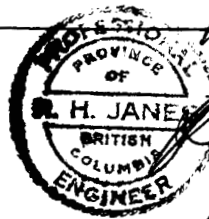
Hole No. DDH-1-4
Sheet 3, 1, 4

Scale

Colour Plot
& Dip

Drill Hole Record

Property	District	Hole No.									
Commenced	Location	Tests at	Hor. Comp.								
Completed	Core Size	Corr. Dip	Vert. Comp.								
Co-ordinates		True Brg.	Logged by								
Objective		% Recov.	Date								
Footage <i>1/6/105</i>	Description	Sample No.	Length	Analysis	Claim	T Brg.	Collar Dip	Elev.	Length	Hole No.	Sheet
From To				Ag Au							
108 57-108 51	Felsic dyke	9475	2.7-3.12	0.16 1							
108 51-109 55	Mainly leucogranite, minor sections of felsic dyke	9476	3.12-3.17	0.3 01							
109 55-110 34	Felsic dyke, 3-5% py										
110 34-110 67	Leucogranite										
110 67-110 95	Felsic dyke										
110 95-111 16	Leucogranite										
111 16-111 86	Felsic dyke, 3-5% py, very minor MnS ₂ (?) on fracture										
111 86-117 20	Mainly leucogranite										
117 20-116 72	Mainly felsic dyke										
116 72-117 33	Leucogranite										
117 33-126 80	Mainly felsic dyke. Acicular mineral absent locally										
126 80-126 02	Mainly leucogranite										
126 02-128 47	Felsic dyke										
128 47-131 47	Mixed felsic dyke & leucogranite. Acicular mineral or texture absent. Orange felsic (K. spec?) to 1cm long porphyroblasts										
131 47-136 25	Similar to felsic dykes, no acicular mineral or texture present. Felsic porphyroblasts to 1cm. long, some with orange centers (K. fel?)										
136 25	End of hole.										
	Leucogranite, where intruded by several felsic dykes, from 397m shows change in grain definition - less clear.										



H. H. Janes
H. H. Janes

Hole No. 154
 Sheet 4.1

Scale

Colour Print
& Dips

Drill Hole Record

Property CR Claims District Princeton area
Smalltown M.D. Hole No. TIDH 2-5A
 Commenced 30 Oct 1984 Location Tests at Hor. Comp. 12.67
 Completed Core Size A Corr. Dip -45 Vert. Comp.
 Co-ordinates 0+26W, 0+06.5N True Brg. 45 Logged by R.H. James
 Objective % Recov. 90% + Date 16 June 1985

Footage From	To	Description	Sample No.	Length FT	Analysis			
					Ag	Au	Mo	Cu
0	5.18	Casing						
5.18	7.97	Well altered leucogranite, oxidized, pore broken Fine grained, light green, silicified, brecciated. Py in fractures and to a less extent disseminated						
7.97	8.38	Grey fine grained dyke, diabase, altered, or andesite. Rounded clusters of plagioclase crystals up to 1mm long						
8.38	14.33	Well altered leucogranite Mostly sericite (>60%), with remnant quartz & K feldspar. Some py along fractures and as isolated masses, 2-3% by vol	7360	28.33	0.6	0.01	0.007	0.001
			7361	33.40	0.3	0.02	0.010	0.001
			7362	40.47	0.1	0.01	0.005	0.001
14.33	15.24	Grey fine grained dyke, diabase, altered, or andesite. Abundant soft white fine grained mineral in fractures.	7363	50.55	0.4	0.01	0.002	0.001
15.24	18.14	Well altered leucogranite Sericite development decreasing with depth. Occasional fractures fillings of quartz	7364	55.60	0.2	0.01	0.011	0.002
18.14	18.90	Grey fine grained dyke, diabase, altered, or andesite.						
18.90	47.09	Breccia Fragments size varying about several cms. Fragments are altered leucogranite & altered felsic dyke material, predominantly the former. Matrix is darker fine grained material. Rarely matrix is composed of Xine py. Rarely very minor amounts of MoS ₂ in matrix. Overall py content 3-4%						
47.09		Diabase as before (or andesite)						

Claim

T Brg.

Collar Dip

Elev.

Length

Hole No.

Sheet 1.2

Scale

Colour Plot
& Dip

Drill Hole Record

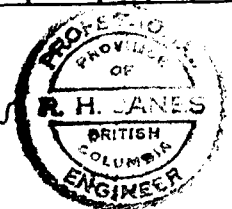
Property	District	Hole No.	DDH 2-EA	
Commenced	Location	Tests at	Hor. Comp.	
Completed	Core Size	Corr. Dip	Vert. Comp.	
Co-ordinates		True Brg.	Logged by	
Objective		% Recov.	Date	

Footage From	To	Description	Sample No.	Length	Analysis
1709	50.00	Breccia less altered than before. Minor py. - 1%			
50.00	50.60	Diabase or ^{andesite} core broken & ground.			
50.60	55.78	Breccia. Altered, more so than from 159-169, py 3-4% Alteration decreasing with depth.			
55.78	58.00	Leucogranite.			
58.00	58.35	Weakly altered, not brecciated, mafic may be altered. Minor py along ^{fract.}			
58.35	58.35	Diabase or andesite.			
58.35	60.35	Leucogranite.			
60.35		End of hole.			

R.H. Janes P.E.



R.H. Janes

Hole No. 2-1
Sheet 2/2

Scale

Colour Plot
& Dip

Drill Hole Record

Property *CR Claims* District *Princeton area*
Trunkameen N.D. Hole No. *PDH. 3-84*
 Commenced *12 Nov 1984* Location Tests at Hor. Comp. *52.3E*
 Completed Core Size *A* Corr. Dip *-70"* Vert. Comp.
 Co-ordinates *0+90E, 2+50N* True Brg. *90°* Logged by *RH James*
 Objective % Recov. *90%+* Date *16 June 1985*

Footage From	To	Description	Sample No.	Length	Analysis
0	13.11	Casing			
13.11	23.16	Breccia. Fragments up to 2 cms in maximum dimension, composed of well altered leucogranite (sericitised & fibrefed). Matrix is fine grained, broken up - comminuted leucogranite(?) & occasional masses of fine py, some disseminated, presents 3-5% py by vol.			
23.16	23.77	Fault zone. Shear at 10° to 15° to core axis, carries some very fine grained MnSi ₂ & py on individual small shear planes. Comminuted rock is leucogranite. Py clasts along some shears.			
23.77	41.76	Leucogranite, moderately altered. New white feldspar porphyroblasts developed. Py mainly in fractures, 1-2% by vol.			
28.96	29.41	Quartz vein 3-4mm wide carries minor MnSi ₂ & py. Sheath of altered feldspar (orange fld - K spar?) around vein, 2-3cms wide. Very minor MnSi ₂ in small fractures along side of vein.			
41.76	89.00	Mainly grey fine grained felsic dyke. Small sections of leucogranite. Felsic rock intrudes leucogranite & may have absorbed some. Feldspar porphyroblasts developed in leucogranite & felsic dyke. Leucogranite is possibly recrystallised & altered. Occasional quartz veins fill regular fractures, carry minor fine py, but are a few cent wide. Some vein carries 50% very fine grained py.			

Claim *CR-1*

T Brg.

Collar Dip

Elev.

Length *153.16*Hole No. *11/1 3-84*
Sheet *1, 2*

Scale

Colour Plot
& Dip

Drill Hole Record

Property	District	Hole No.	DDH-3-E4
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Footage Meters	Description	Sample No.	Length	Analysis						
97.50 - 97.65	Leucogranite, moderately altered Py. mainly along fractures ~ 1%									
97.65 - 101.65	Mainly felsic dyke material Mostly fractured and locally altered to soft light gran rock. 97.99 - 98.30 Very broken & comminuted									
101.65 - 106.22	Leucogranite as before. Altered by adjoining felsic intrusive.									
106.22 - 110.19	Mainly felsic intrusive, almost hybrid between felsic int & leucogranite. Py along fractures 1-2%									
110.19 - 120.70	Mainly leucogranite, as before. 122.22 - 123.90 Hybrid. Felsic shows development of orange colouration along some fractures and in irregular patches & masses, possibly K feld. of hematite clusters.									
123.70 - 131.46	Grey felsic intrusive Contacts more irregular than previously. Vague rounded-clusters of felsic crystals, 0.5-1mm dia. Some what like diabase. Mass contact inclined @ ~ 30°									
131.46 - 131.73	Leucogranite Mass contact inclined @ 40°, lower contact @ ~ 45°									
131.73 - 135.18	Felsic intrusive Some py along fractures, 1-2%									
135.18 - 134.72	Aplite									

Claim

T Brg.

Collar Dip

Elev.

Length

Hole No. DDH-3-E4
Sheet 2/3

Scale

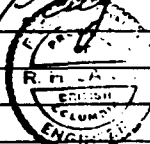
Colour Plot
& Dip

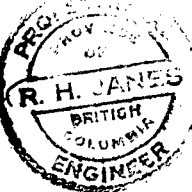
Drill Hole Record

Property	District	Hole No.	DDH 3-84
Commenced	Location	Tests at	Hor. Comp.
Completed	Core Size	Corr. Dip	Vert. Comp.
Co-ordinates		True Brg.	Logged by
Objective		% Recov.	Date

Claim						
T Brg.						
Collar Dip						
Elev.						
Length						
Hole No.	11, 12, 3 44					Sheet 3/5

Depth From	To	Description	Sample No.	Length	Analysis
135.18	153.16	Leucogranite Various phases present Overall qtz content < 1% Phases:- a, Feldspar porphyroblasts b, Hybrid, grey, between leucogranite & felsic intrusive in appearance c, Recrystallized - altered leucogranite d, Orange coloured feldspar, qtz in fractures & disseminated (mineral phase)			
153.16		End of hole.			

R.H. Jones


R.H. Jones


**APPENDIX III
CERTIFICATES OF ANALYSES**

FROM

Min-En Laboratories Ltd.

Chemexe Labs Ltd.

Acme Analytical Laboratories Ltd.

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

705 WEST 15th STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

PHONE: (604) 980-5814 OR (604) 980-4524

TELEX: 04-352820

CERTIFICATE OF ASSAY

COMPANY: SUBURBAN RESOURCES

PROJECT:

ATTENTION: J. SEDLACEK

FILE: 4-1399

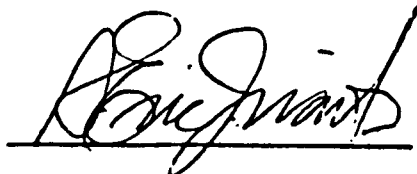
DATE: NOVEMBER 2/84

TYPE: ROCK ASSAY

We hereby certify that the following are assay results for samples submitted.

SAMPLE NUMBER	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON
7351	2.1	0.06	.03	0.001
7352	2.0	0.06	.15	0.004
7353	0.3	0.01	.01	0.001
7354	0.9	0.03	.01	0.001
7456	0.4	0.01	.02	0.001
7462	0.3	0.01	.01	0.001
7465	0.4	0.01	.01	0.001
7473	0.2	0.01	.01	0.001
7476	0.3	0.01	.01	0.001

Certified by



MIN-EN LABORATORIES LTD.

MIN-EN Laboratories Ltd.
Specialists in Mineral Environments
705 WEST 15th STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-4524

TELEX: 04-352828

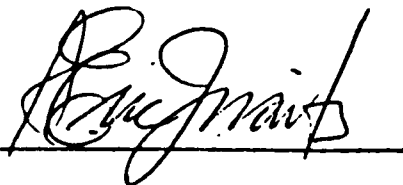
CERTIFICATE OF ASSAY

COMPANY: SUBURBAN RESOURCES
PROJECT:
ATTENTION: J. SEDLACEK

FILE: 4-1339
DATE: NOVEMBER 2/84
TYPE: ROCK ASSAY

We hereby certify that the following are assay results for samples submitted.

SAMPLE NUMBER	MOS2 %	CU %	W03 %
7351		.017	.001
7352		.029	
7353		.053	
7456	.009		
7462	.046		
7465	.001	.010	
7473	.001	.009	
7476	.001	.011	

Certified by 
MIN-EN LABORATORIES LTD.

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

705 WEST 15th STREET NORTH VANCOUVER, B.C. CANADA V7M 1T2

(604)980-5814 OR (604)988-4524

TELEX: 04-352828

CERTIFICATE OF ASSAY

COMPANY: SUBURBAN RESOURCES

FILE: 4-1402

PROJECT:

DATE: NOV. 6/84


ATTENTION: PAUL PLICKA

TYPE: ROCK ASSAY

I hereby certify that the following are assay results for samples submitted.

SAMPLE NUMBER	AG G/TONNE	AG OZ/TON	AU G/TONNE	AU OZ/TON	CU %	MOS2 %
1355	0.5	0.01	.01	0.001	.002	.002
1360	0.6	0.02	.01	0.001	.001	.009
1361	0.3	0.01	.02	0.001	.001	.010
1362	0.1	0.01	.01	0.001	.001	.005
1363	0.4	0.01	.01	0.001	.001	.004
1364	0.2	0.01	.01	0.001	.002	.011
177	0.3	0.01	.01	0.001	.003	.001
178	0.2	0.01	.01	0.001	.004	.001
179	0.1	0.01	.01	0.001	.007	.001
180	0.1	0.01	.01	0.001	.003	.001
181	0.2	0.01	.01	0.001	.006	.001
182	0.2	0.01	.01	0.001	.003	.002
183	0.1	0.01	.01	0.001	.001	.005
184	0.6	0.02	.01	0.001	.001	.001
185	0.4	0.01	.01	0.001	.002	.001
186	0.3	0.01	.02	0.001	.001	.001
187	0.3	0.01	.01	0.001	.001	.001
188	0.1	0.01	.01	0.001	.001	.001
189	0.1	0.01	.01	0.001	.003	.001
190	0.1	0.01	.01	0.001	.001	.001
191	0.3	0.01	.01	0.001	.002	.001
192	1.0	0.03	.01	0.001	.001	.001
193	0.2	0.01	.02	0.001	.001	.001
194	0.2	0.01	.01	0.001	.001	.001
195	0.3	0.01	.01	0.001	.001	.005
196	0.1	0.01	.01	0.001	.001	.001
197	0.2	0.01	.01	0.001	.003	.001
198	0.3	0.01	.01	0.001	.002	.001
199	0.6	0.02	.01	0.001	.001	.001
200	0.2	0.01	.01	0.001	.005	.001

} 95'

Certified by 
 MIN-EN LABORATORIES LTD.

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project Date of report **Nov. 2/84.**.....

File No. **4-1399** Date samples received **Oct. 31/84.**.....

Samples submitted by:

Company: **Suburban Resources**

Report on: **Geochem samples**

..... **9** **Assay samples**

Copies sent to:

1. **Suburban Resources, Vancouver, B.C.**.....

2.

3.

Samples: Sieved to mesh Ground to mesh **-100**.....

Prepared samples stored discarded

rejects stored discarded

Methods of analysis: **Au-fire, MoS₂, Cu, Ag-acid digestion-chemical analysis.**.....

W03-fusion. Colorimetric......

Remarks:

SPECIALISTS IN MINERAL ENVIRONMENTS

MIN-EN Laboratories Ltd.

705 WEST 15th STREET,
NORTH VANCOUVER, B.C., CANADA V7M 1T2
TELEPHONE (604) 980-5814

ANALYTICAL REPORT

Project Date of report **Nov. 6/84.**

File No. **4-1402** Date samples received **Nov. 1/84.**

Samples submitted by:

Company: **Suburban Resources**

Report on: **Geochem samples**

..... **30** **Assay samples**

Copies sent to:

1. **Suburban Resources, Vancouver, B.C.**

2.

3.

Samples: Sieved to mesh Ground to mesh **-100**

Prepared samples stored discarded

rejects stored discarded

Methods of analysis: **Cu, MoS₂, Ag-acid digestion-chemical analysis. Au-fire.**

Remarks:

SPECIALISTS IN MINERAL ENVIRONMENTS

Core is stored at 292 Angela, Princeton, B.C.