

86-932-15830

11/87

PART A

REPORT ON DIAMOND DRILLING AND GEOLOGY

DOME MOUNTAIN PROPERTY

LUKI CLAIM GROUP:

Luki, Repeater 2, Dome A Claims

OMINECA MINING DIVISION
BRITISH COLUMBIA

NTS 93 L/15 E

Latitude: 54° 45.2' N
Longitude: 126° ~~27~~^{30.3}' W

November 1986

Operator:

CANADIAN-UNITED MINERALS, INC.
1108 - 1190 Hornby Street
Vancouver, British Columbia
V6Z 2K5

Owner: Silver Hill Mines Ltd.

Work performed by Gordon Leask

Report by Don J. Harrison
Geologist, B.Sc.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,830

FILMED

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JAN 23 1987
M.R. # _____ \$ _____
VANCOUVER, B.C.

Note: This is Part A, on diamond drilling and geology, of a two part report. Part B, on geochemistry, is to follow.

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SUMMARY

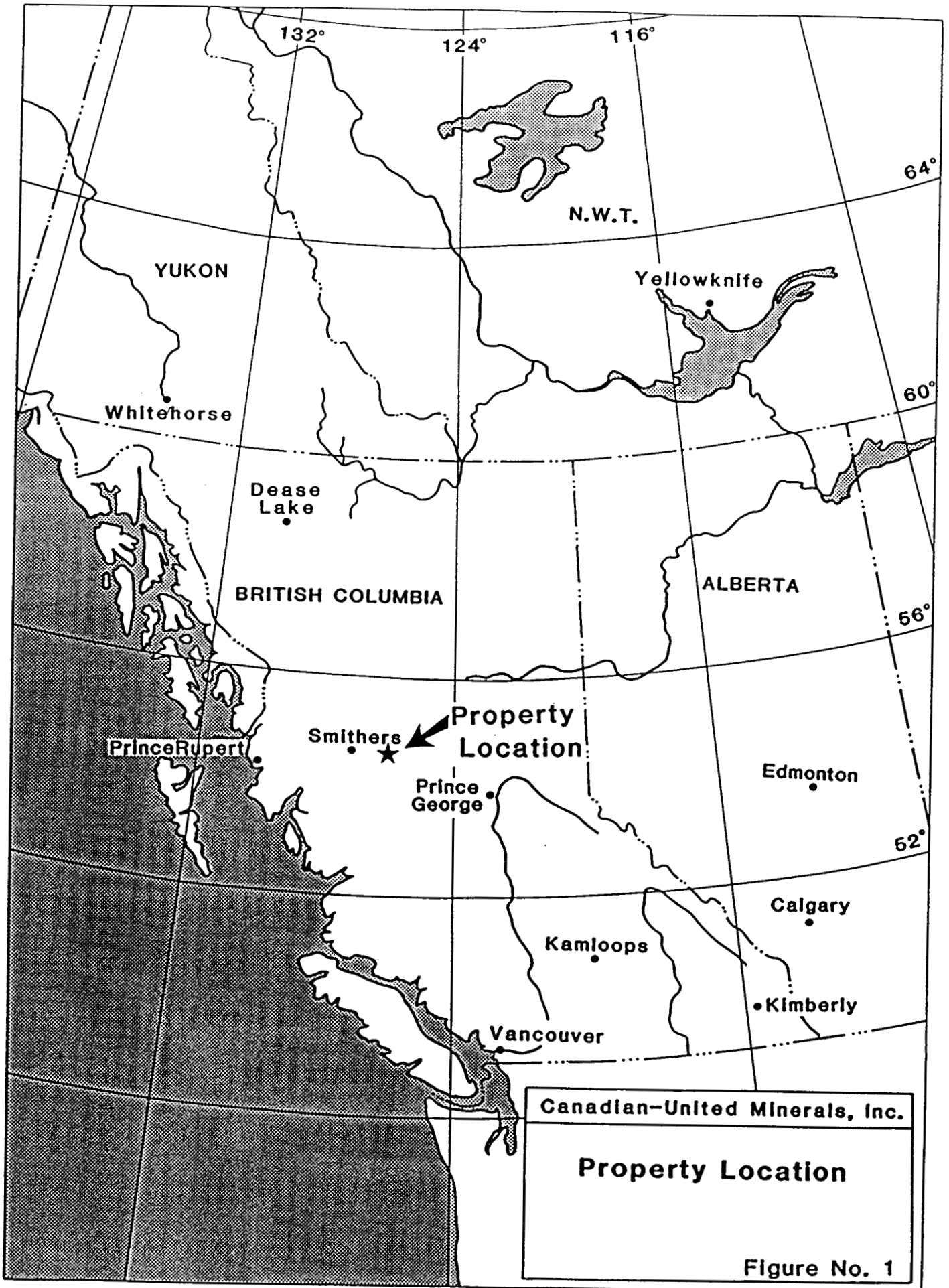
The Luki claim group consists of three claims totaling 49 units, and is owned by Canadian-United Minerals, Inc. The ground, which covers the historic Freegold area was made part of the Dome Mountain property on May 1, 1986.

The property is located on the eastern flank of Dome Mountain, approximately 35 kilometres east of the town of Smithers (Fig. 1). The Freegold showing is located 1,500 metres north east of the Boulder Creek Zone; a high grade, gold bearing quartz vein, currently being explored by Canadian-United Minerals.

The Freegold area has been explored for its gold potential since the early 1930's. Extensive underground exploration was carried out to evaluate a series of narrow parallel quartz veins which assayed several ounces of gold per ton. In the early 1970's Amoco Canada tested the potential of the property for porphyry molybdenum type mineralization. In the early 1980's, Reako Exploration reported gold production from the Freegold Showing, totaling 255 ounces of gold and 470 ounces of silver.

Regionally, the area is underlain by lower Jurassic volcanics of the lowermost Hazelton Group. The volcanics include andesitic flows, breccias and lapilli tuffs which have apparently been intruded by a coarse-grained felsic quartz feldspar porphyry. These lithologies host numerous narrow quartz veins that carry variable amounts of base metal sulphides and rare fine visible gold.

In June and July 1986, Canadian-United Minerals began an exploration program which included compiling past information, geological mapping, sampling, and 5 diamond drill holes. The program was designed to test the continuity of exposed quartz veins along strike. Narrow sulphide-bearing quartz veins were intersected, but generally, the geology appeared unfavourable. The assay results from drill core indicated a presence of gold in the quartz veins, but at sub-economic grades. The quartz veins are difficult to trace due to their narrow widths, and many appear to be offset by post mineralization faulting.



PURPOSE

The purpose of the diamond drilling program was to test the lateral extension of known quartz veins that are exposed in the underground workings, and surface trenches at the Freegold Showing. Previous soil geochem, geophysical surveys, and diamond drilling indicated that the quartz veins were narrow, but could be traced along strike. This program was designed to extend the known strike length of the veins.

INTRODUCTION

Location & Access:

The Luki claim Group is located in north central British Columbia, 35 kilometres east of the town of Smithers, 700 kilometres north north west of Vancouver (Fig. 1). The property lies along the eastern flank of Dome Mountain, along the southern edge of map sheet 93L/15E. The southern quarter of the REPEATER 2 and DOME A claims are on the northern edge of map sheet 93L/10E.

Access to the property from Smithers is via paved and gravel roads (Fig. 2). The property can be reached by following Highway #16 south from Smithers for six kilometres. Here the Smithers landing road heads off to the east, and is paved for close to 18 kilometres. The road then becomes a wide, well maintained gravel logging road, heading north east through McKendrick Pass. After following this road for about 42 kilometres from Highway #16, the Chapman Lake logging road forms a major intersection. The southern branch of the Chapman Lake logging road crosses McKendrick Creek just south of the intersection. Roughly 20 kilometres south on the Chapman Lake road is the main access road up to the Freegold Showing (Fig. 4). Travel time by truck from Smithers to the property is between 45 minutes to an hour. Access along the main logging roads is generally good in winter.

Physiography:

The property lies within the Central Interior Region, with elevations ranging from 3,400 feet to 5,000 feet above sea level (1,035 m to 1,525 m). The claims lie on an east facing slope which is generally moderate and gentle, with flat, marshy ground in the lower regions. The entire area is covered with forest vegetation consisting of Engleman spruce and Subalpine fir, with lesser lodgepole pine and balsam.

Drainage on the property is generally good, which flows to the east into Guess Creek. A ubiquitous cover of glacial overburden covers up to 95% of the property, with very little naturally exposed bedrock. The best outcrops are in creek beds.

History:

Claims were first staked on Dome Mountain in about 1914, and they were actively explored until the mid 1920's. In 1932, W.R. Wilsons and Sons optioned the Freegold property from Alex Chisholm, and formed Babine Gold Mines, Ltd. to develop it. Preliminary surface work included prospecting, trenching and sinking of test pits. In 1933 an adit was driven southwesterly

INTRODUCTION

History (cont.):

for approximately 360 feet (110 m) which crosscut numerous quartz veins of varying thickness. Drifting to the north west along a vein 1 to 1.5 feet (.30 - .50 m) extends for a further 230 feet (70 m). This exploratory work was completed in 1935.

In 1938, R.W. Wilson shipped 680 pounds (308 kg) of the Freegold ore to the Canada Department of Mines and Resources, Ore Dressing and Metallurgical Labs in Ottawa. After standard procedures of crushing and grinding, the following assays were obtained: gold: 1.78 oz/ton, silver: 2.18 oz/ton, zinc: 5.87% lead: 1.54%, copper: 0.15%.

Babine Gold Mines, Ltd. maintained the property until 1951, when Lake Surprise Mines Ltd. optioned the Freegold property. Under the direction of C.A. Munro, a program of comprehensive sampling was carried out on surface and underground workings. The average of 35 samples from surface on the No. 3 vein (for 190 feet in length, samples taken at 5 feet intervals over a true width of 24 inches) was 0.79 oz/ton Au; 1.05 oz/ton Ag; 0.35% Pb; 0.3% Zn. The average of 35 samples taken from underground on the No. 3 vein (over 125 feet length, samples taken at 5 feet intervals over a true width of 24 inches) was as follows: 1.23 oz/ton Au; 1.32 oz/ton Ag; 0.87% Pb, and 2.84% Zn.

Babine Gold Mines Ltd. again continued exploration on the property in 1968 with a program of mapping, VLF-EM and Mag. surveys, which culminated in the drilling of 6 diamond drill holes.

In 1973 and 1974, Amoco Canada carried out soil sampling on a wide spaced geochem grid. Their samples were analysed for Cu, Mo, Pb, Zn and Ag. The purpose of their work was to assess the property's potential for copper-molybdenum porphyry type mineralization.

In 1981 Reako Exploration acquired the property and drilled 6 holes, before engaging in a small, high-grade mining operation from the surface. This work included milling of the existing dump material, and excavating along the No. 3 vein. It is reported they recovered 255 ounces of gold and 470 ounces of silver.

Noranda Exploration Co. Ltd. subsequently optioned the property from Reako, which was then optioned to Canadian-United Minerals, Inc. in May, 1986.

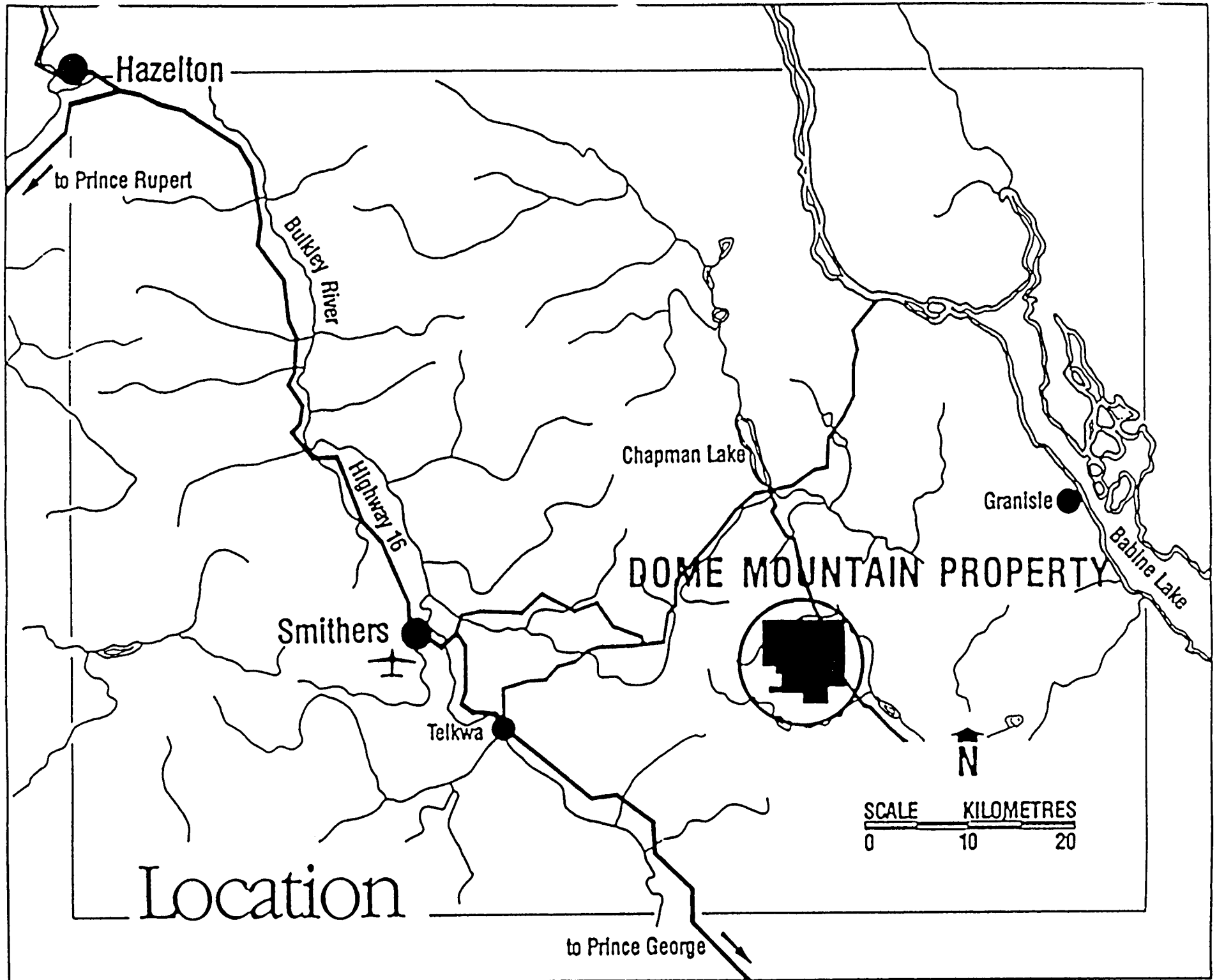


FIGURE 2

PROPERTY

The Dome Mountain property consists of four different claim groups comprising 68 individual claims. The total number of claim units on the property is 286 which covers an area over 6,800 hectares.

The Luki Group is made of 3 claims, namely:

Name	Record #	Record Date	Units	Area (ha)
LUKI	2398	Jan. 2, 1980	9	225
REPEATER 2	0409	Nov. 4, 1980	20	500
DOME A	3565	Feb. 12, 1981	20	500

The group consists of a total of 49 claim units covering an area of 1,225 hectares (Fig. 3). Claims of the Dome Mountain property border the group on 3 sides, to the north, west and south. The MAG 2 claim borders the group on the east, and it is owned by Lorne Warren. Pending filing of assessment credit, the claims should be in good standing for a minimum of five more years, until 1991.

The claims of the Luki Group were transferred to Canadian-United Minerals, Inc. on May 1, 1986 and formed part of the Dome Mountain property, subject to the agreement dated December 2, 1985 between Canadian-United Minerals, Inc. and Noranda Exploration Company Ltd.

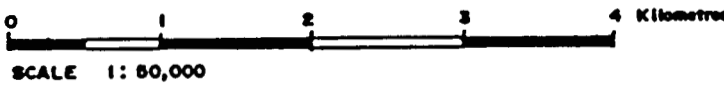
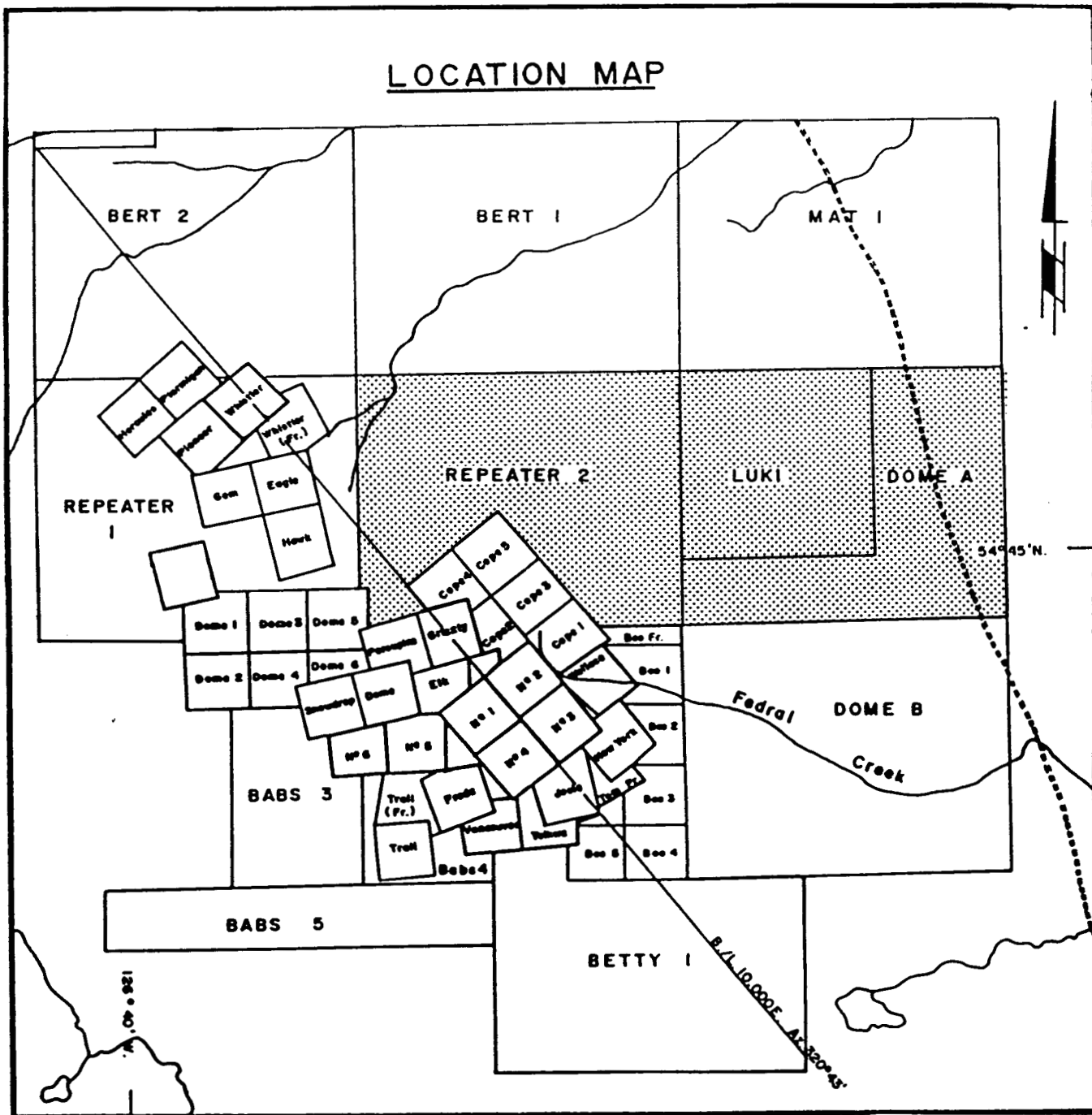
WORK UNDERTAKEN

The work program planned to explore the Freegold Showing (Fig. 4) consisted of a compilation of previous data, followed by geological mapping of the Freegold area, and a five hole diamond drill program. The program was managed by G. Leask.

Two days were spent in June 1986, mapping the detailed geology in the vicinity of the Freegold Showing, to become familiar with the rock types. Time was also spent with the previous owner of the property for the purpose of reviewing the past exploration work. Once a map was completed, drill hole targets were chosen.

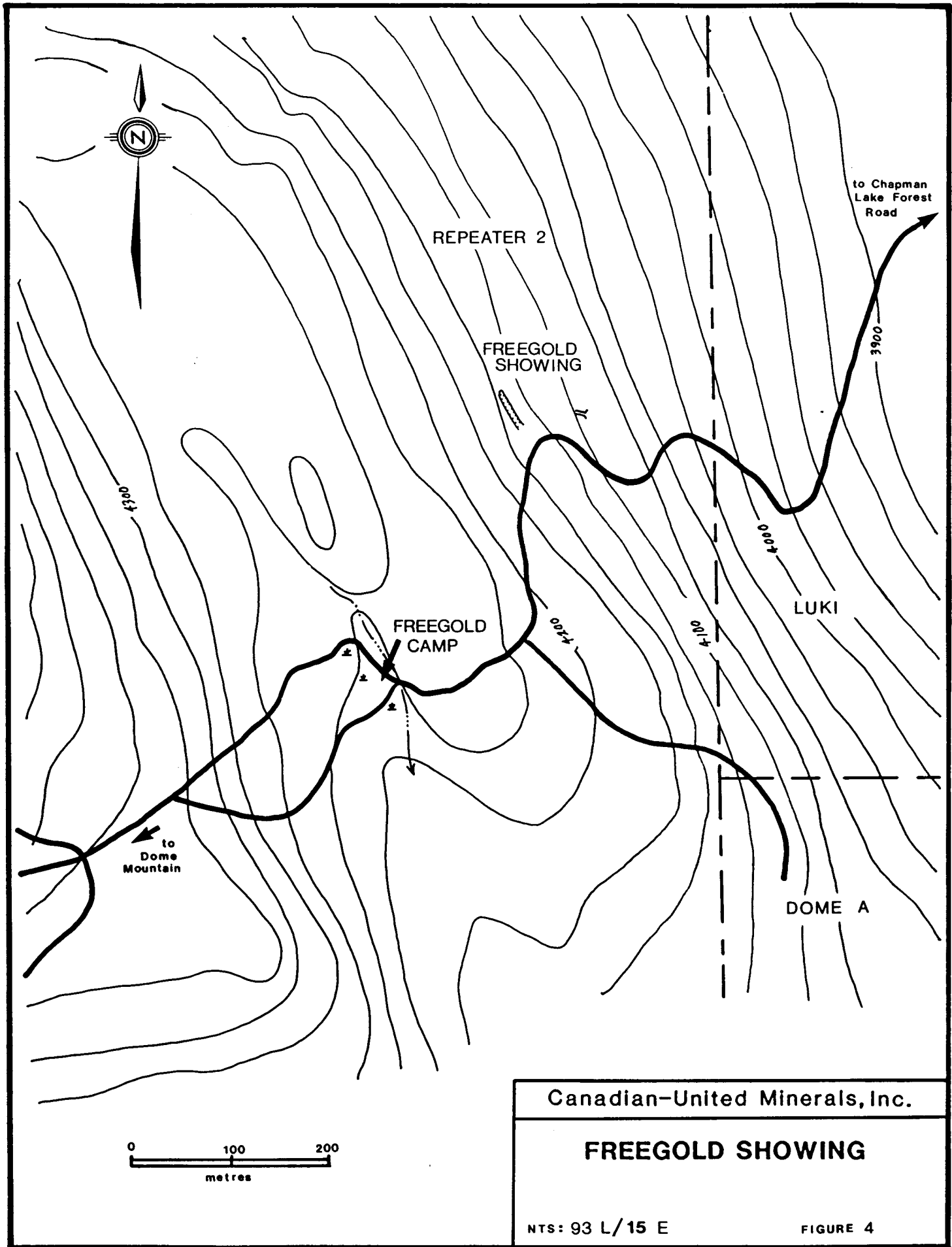
A five hole diamond drilling program totaling 2,100 feet was planned to test the continuity of narrow quartz veins along strike to the west and east of the known zones. These veins were the target of the underground drifting done in the 1930's.

LOCATION MAP



CLAIM MAP

Figure No. 3



WORK UNDERTAKEN (cont.)

Diamond drilling was contracted to J.T. Thomas Drilling of Smithers, B.C. using an Aker MD-4 diamond drill. A size BQ bit was used to core the rock. Drilling commenced on July 2, 1986 and ended on July 8, 1986. The drill was moved between the various drill sites with a D-6 Cat.

At the completion of the drilling program, the core was transported to Smithers, to the Canadian-United Minerals, Inc. warehouse. The core was logged, then assay intervals were split. The split core samples were sent to Acme Analytical Labs in Vancouver, and assayed for gold and silver. The rest of the core remains stored in Canadian-United Minerals' warehouse, at 3439 Fulton Avenue, Smithers.

CONCLUSIONS

Geology:

Geological mapping of the surface outcrops at the Freegold Showing indicate 2 distinct rock types. The dominant lithology is a dark green andesitic volcanic with varying textures, including tuffs, breccias, and flows. The andesitic tuffs are most common, and exhibit weak to moderate chlorite alteration, with minor epidote along fractures. In the north western portion of the map area is an intrusive body of unknown dimension. The intrusive is a quartz-feldspar porphyry which shows weak potassium feldspar flooding, and clay alteration.

Structurally, both rock types are cut by high angle faults and shears oriented from [290] to [330] degrees. The shears are identified by narrow bands of intense chlorite alteration and orange limonitic weathering associated with smooth, shiny slickenside surfaces. The slickensides indicate many stages of movement at variable orientations within the plane of the shear. It is believed that the faulting and shearing has acted as the main control for the quartz veining.

The quartz veins observed are all less than 30 cm wide and occur within faults and shear zones. Adjacent to the veins, the andesite tuff is pervasively altered to chlorite and sericite however the alteration envelope is typically less than 10 cm. The same is true for veins cutting the quartz-feldspar porphyry, however these exposures are not as common.

CONCLUSION

Geology (cont.):

The vein mineralogy is dominated by quartz gangue, which contains variable amounts (2% to 40%) of sulphides. Fractured, euhedral pyrite crystals are the most common sulphide mineral followed by sphalerite, galena, chalcopyrite and rare tetrahedrite. The sulphides occur either in coarse irregular masses within the quartz, or as medium-grained vaguely banded disseminations. All sulphides occur only in the quartz vein, with the exception of pyrite which is finely disseminated into the wallrock over short distances. Visible native gold was identified in one sample of white, slightly limonitic, barren quartz.

Drilling:

Significant mineralization was not detected by diamond drilling at the Freegold Showing on Dome Mountain. The drilling was successful in identifying numerous small quartz veins, however none exhibit any economic potential (Fig. 5).

The first drill hole, DDH FN-86-1 was drilled at -45 degrees toward azimuth [210] and penetrated quartz feldspar porphyry with varying degrees of alteration over the entire range of the hole. Within this were narrow zones of disseminated pyrite and pyrite veinlets, which did not carry economic gold values. Certain zones up to 4 m wide showed greenish silicified quartz-feldspar porphyry, with very low gold and silver assays.

The second drill hole, FN-86-2 was drilled in the opposite direction as the first hole, and encountered virtually similar geology.

The third drill hole, was drilled at -45 degrees toward azimuth [210] and encountered quartz-feldspar porphyry (Fig. 6). This hole intersected narrow quartz veins carrying up to 5% pyrite, associated with clay and epidote alteration, and silicified zones. The best assay ran 0.20 oz/ton Ag and 0.105 oz/ton Au over 1 metre.

The fourth drill hole was located east of the previous three drill holes, closer to the underground adit. The orientation of this hole was at -45 degrees toward [210]. This hole was collared in dark green andesite which persisted through the entire hole. Numerous quartz veins were encountered however all drill intercepts were less than 1 m long. It is believed that the quartz veins exposed in the underground workings were intercepted by the drill roughly 75 m below surface. The best assay from a 1 m wide zone returned 0.157 oz/ton gold and 0.24 oz/ton silver.

CONCLUSION

Drilling (cont.):

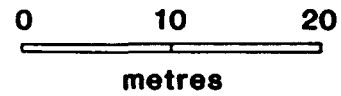
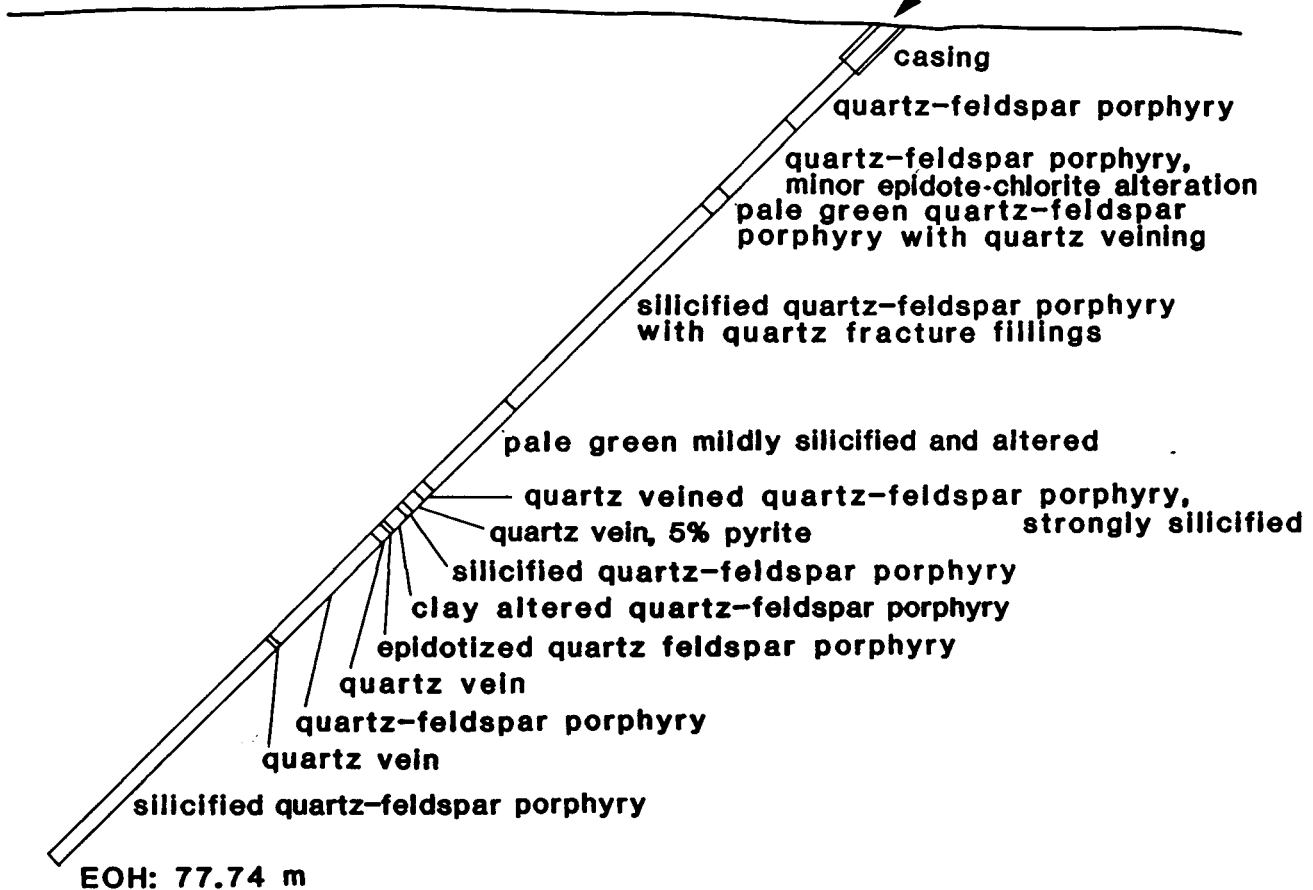
The fifth drill hole was located on the south east side of the main road, east of the old workings. This hole was collared within the green and maroon andesitic tuffs and breccias, which were dominant throughout the hole. A number of narrow quartz veins were detected in the central section of the hole, roughly 60 m below surface. All assays were less than 0.1 oz/ton silver and 0.005 oz/ton gold.

From previous work it is obvious that the veins are locally rich in gold, however the reported drilling program was not successful in detecting high-grade portions of the quartz veins. The veins are narrow and difficult to correlate over the long distances between drill holes. It is possible that the veins pinch out, or are off-set by faulting. Due to the nature of the quartz veins it is apparent that the density of the veins within the host rock is a significant factor in determining exploration targets.

← (210)

(030) →

FN-86-3 ↗



ASSAYS:

INTERVAL (metres)	WIDTH (metres)	Ag (oz/ton)	Au (oz/ton)
44.27-45.27	1	.01	.001
45.27-45.52	.25	.05	.068
45.52-46.52	.1	.01	.001
47.82-48.82	1	.20	.105

Canadian-United Minerals, Inc.	
FREGOLD SHOWING	
FN-86-3 SECTION LOOKING TOWARDS (120)	
Date: November 1986	By: GL
Scale: 1:500	Figure No 3

SELECTED REFERENCES

- B.C. Department of Mines Annual Reports of the Minister of Mines, 1934, p. C11; 1938, p. B15-B20; 1940, p. A55-A56; 1951, p. A113.
- Geological Survey of Canada, Open File 351, Smithers, B.C. 93L, 1:250,000 scale, (1976)
- Harrison, D.J., (1986), Structure, Geology and Mineralization of the Dome Mountain Gold Property, Smithers, B.C., C.I.M.M. paper presented in Victoria, October 4, 1986.
- MacIntyre, D.G., (1985), Geology of the Dome Mountain Gold Camp, B.C. Ministry of Energy, Mines and Petroleum Resources, Paper 1985-1.
- Plicka, P., (1976), Report on the Geology and History of Mona Group, Smithers area, B.C., B.C.M.E.M.P.R. Assessment Report 6194.
- Tipper, H.W., Richards, T.A., (1976), Jurassic Stratigraphy and History of North Central British Columbia, Geological Survey of Canada, Bulletin 270.

STATEMENT OF COSTS for Part A of Report

Wages: G. Leask.		
Number of days:	11 days	
Rate per day :	\$150/day	
Dates :	June 18, 20; July 2-10/86	
Total Wages :		\$ 1,650.00
Food and Accommodation:		
Number of days:	11 days	
Rate per day :	\$40/day	
Dates :	June 18, 20; July 2-10/86	
Total Food & Accommodation:		440.00
Transportation: (Truck rental and gas)		
Number of days:	11 days	
Rate per day :	\$40/day	
Dates :	June 18, 20; July 2-10/86	
Total Transportation		440.00
Analyses		
Elements analysed for :	Au, Ag	
Cost per sample: preparation:	\$3.00/sample	
	analysis: 9.75/sample	
Number of samples	125	
Total analyses		1,593.00
Drilling		
Diamond drilling footage :	2,095 feet	
Cost per foot :	\$17.40/foot	
Man and machine hours :	\$3,690.00	
Total diamond drilling cost		41,319.80
Drafting		
Total drafting costs		178.00
Report Preparation		
3 days at \$150/day		<u>450.00</u>
TOTAL COST		\$46,070.80

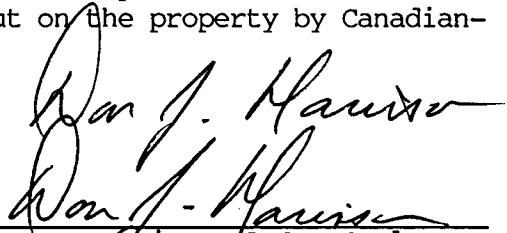
QUALIFICATIONS

I, Don J. Harrison, of 101 - 2170 West 5th Avenue, Vancouver, British Columbia, hereby certify that:

1. I am a graduate of the University of British Columbia (1984) and hold a Bachelor of Science degree in Geology.
2. I am currently employed as a geologist with Canadian-United Minerals, Inc., 1108 - 1190 Hornby Street, Vancouver, British Columbia.
3. I have been employed in my profession by various mining companies over the past six years.
4. The information contained in this report was obtained as a result of field work carried out on the property by Canadian-United Minerals, Inc.

DATE

Jan. 21/87


Don J. Harrison, B.Sc. Geology
Exploration Geologist

QUALIFICATIONS

For Gordon Leask of 843 West 15th Avenue, Vancouver, British Columbia.

1. Graduated with a Bachelor of Applied Sciences (B.A.Sc.) degree in 1985 from the University of British Columbia in Vancouver.
2. Was employed by Canadian-United Minerals, Inc. during the period mentioned in this report as a contractor on this specific project.
3. Has worked in exploration geology in various capacities over the past five years, in the province of British Columbia.
4. The information contained in this report was obtained by personal examination of the property.

Gordon Leask,
Geological Engineer

APPENDIX 1

Diamond Drill Logs

Freegold Area

CANADIAN-UNITED MINERALS, INC.

Date Colored 02/07/86		Date Completed 04/07/86		Core Size NQ		DIP TESTS				PROPERTY FREEGOLD, DOME MOUNTAIN		PROJECT No. 2		N.T.S. No. 93L/15E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 1 of 4		
Lat.	Elev.	Dip	200'		RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.	Elev.	Dip	MOLE No. FN-1			
Dep.	Length 96.95 m	Bearing [210]						Dep.	Length	Bearing					
From	To	Recovery	Description	Sample Interval	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
									oz/t Au	oz/t Ag					
0.0	6.09 m	0%	No recovery - CASING												
6.09 m	20.73 m		Quartz feldspar porphyry, Sericite alteration on some fracture surfaces, generally slickensided along fracture surfaces with minor (<1%) bi-mite in places - epidote rich	6.09 - 7.09 m			5217	1.0 m	.001	.01					
				7.09 - 8.09			5218	1.0 m	.001	.02					
				8.09 - 9.09			5219	1.0 m	.001	.02					
				9.09 - 10.09			5220	1.0 m	.001	1.80					
				10.09 - 11.09			5221		.001	.03					
				11.09 - 12.09			5222		.001	.01					
				12.09 - 13.09			5223		.001	.02					
				13.09 - 14.09			5224		.001	.01					
				14.09 - 15.09			5225		.001	.02					
				15.09 - 16.09			5226		.001	.03					
	16.09 - 17.09			5227		.001	.01								
	17.09 - 18.09			5228		.001	.02								
	18.09 - 19.09			5229		.001	.01								
	19.09 - 20.09			5230		.001	.01								
20.73 m	20.93 m		Disseminated pyrite with two fractures - Sericitic alteration	20.09 - 21.09			5231	1.0 m	.001	.01					
20.93	29.60		Pale green epidote rich quartz feldspar porphyry, sericitic alteration on fractures with minor open space quartz veinlets	21.09 - 22.09			5232	1.0 m	.001	.02					
				22.09 - 23.09			5233	1.0 m	.001	.05					
				23.09 - 24.09			5234		.001	.01					
				24.09 - 25.09			5235		.001	.03					
				25.09 - 26.09			5236		.001	.03					
	26.09 - 27.09			5237		.001	.02								
	27.09 - 28.09			5238		.001	.01								
	28.09 - 29.09			5239		.001	.02								

DRILL LOG - 81

Date 04/07/86 Logged By G. LEASK

Log re-written by D. Harrison (18/06/87)

CANADIAN - UNITED MINERALS, INC.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
02/07/86		04/07/86		NQ						FREEGOLD, DOME MTN.		2		93 L/ISE	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 2 of 4	
Lot.		Elev.		Dip		RECORDED		CORRECTED		Lat.		Elev.		Dip	
Dep.		Length		Bearing						Dep.		Length		Bearing	
200'		96.95 m		-45°		[210]								HOLE No. FN-1	
From	To	Recovery	Description	Sample Interval.	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
									oz/t Au	oz/t Ag					
29.60 m	29.62 m		Thin pyrite filled veinlet	29.09 - 30.09			5240	1.0 m	.001	.03					
29.62 m	30.9 m		Pale green - Quartz/Feldspar porphyry strongly sericitic, abundant olivine(?) (epidote?)												
30.9 m	31.3 m		Pale green Quartz Feldspar porphyry (QFP) with 4 thin quartz veinlets, < 2% pyrite	30.09 - 31.09			5241	1.0 m	.001	.01					
31.3 m	58.84		Q.F.P. same as above - thin quartz veinlet @ 55.78 @ 57.31 @ 58.84	31.09 - 32.09			5242	1.0 m	.001	.02					
				32.09 - 33.09			5243	1.0 m	.001	.01					
				33.09 - 34.09			5244		.001	.03					
				34.09 - 35.09			5245		.001	.01					
				35.09 - 36.09			5246		.001	.03					
				36.09 - 37.09			5247		.001	.02					
				37.09 - 38.09			5248		.001	.01					
				38.09 - 39.09			5249		.001	.01					
				39.09 - 40.09			5250		.001	.01					
				40.09 - 41.09			5251		.001	.01					
				41.09 - 42.09			5252		.001	.01					
				42.09 - 43.09			5253		.001	.01					
				43.09 - 44.09			5254		.001	.11					
				44.09 - 45.09			5255		.001	.01					
				45.09 - 46.09			5256		.001	.01					
				46.09 - 47.09			5257		.001	.02					
				47.09 - 48.09			5258		.001	.02					
				48.09 - 49.09			5259		.001	.01					
				49.09 - 50.09			5260	1.0 m	.003	.01					
				50.09 - 51.09			5261	1.0 m	.001	.02					

DRILL LOG - 81

Date 04/07/86 Logged By G. Leask
 Log re-written by D. Harrison. (12/06/87)

CANADIAN - UNITED MINERALS, INC.

Date Colored 02/07/86		Date Completed 04/07/86		Core Size NQ		DIP TESTS				PROPERTY FREEGOLD, Dome mtn		PROJECT No. 2		N.T.S. No. 93 L/15E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 3 of 4		
Lat.	Elev.	Dip	200'		RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.	Elev.	Dip	HOLE No.			
		-45°						-45°				FN-1			
Dep.		Length 96.95 m		Bearing [210]		Dep.		Length		Bearing					
From	To	Recovery	Description	Sample Interval	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
				51.09 - 52.09			5262	1.0 m	02/t Au	02/t Ag					
				52.09 - 53.09			5263	1.0 m	.001	.02					
				53.09 - 54.09			5264		.001	.03					
				54.09 - 55.09			5265		.001	.01					
				55.09 - 56.09			5266		.001	.01					
				56.09 - 57.09			5267		.001	.01					
				57.09 - 58.09			5268		.001	.01					
				58.09 - 59.09			5269		.002	.05					
58.84 m	60.37 m		Pale green chert (?)	59.09 - 60.09			5270	1.0 m	.001	.01					
				60.09 - 61.09			5271	1.0 m	.001	.02					
60.37 m	63.41 m		Green Q.F.P. as above.	61.09 - 62.09			5272	1.0 m	.001	.01					
				62.09 - 63.09			5273	1.0 m	.001	.03					
63.41 m	66.91 m		Pale green chert (?)	63.09 - 64.09			5274	1.0 m	.001	.02					
				64.09 - 65.09			5275	1.0 m	.001	.01					
				65.09 - 66.09			5276		.001	.01					
				66.09 - 67.09			5277		.001	.04					
				67.09 - 68.09			5278		.001	.05					
66.91 m	96.95 m		Green Q.F.P.	68.09 - 69.09			5279		.001	.09					
			< 1/2 % pyrite overall	69.09 - 70.09			5280		.001	.01					
				70.09 - 71.09			5281		.001	.02					
				71.09 - 72.09			5282		.001	.06					
				72.09 - 73.09			5283		.001	.01					
				73.09 - 74.09			5284		.001	.02					
				74.09 - 75.09			5285		.001	.04					
				75.09 - 76.09			5286		.001	.01					
				76.09 - 77.09			5287		.001	.01					
				77.09 - 78.09			5288	1.0 m	.001	.03					
				78.09 - 79.09			5289	1.0 m	.001	.01					

DRILL LOG - 81

Date 04/07/86 Logged By G. LEASK

CANADIAN - UNITED MINERALS, INC.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
02/07/86		04/07/86		NQ						FREEGOLD, Dome Mtn.		2		93 L/15E	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 4 of 4	
Lat.		Elev.		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		HOLE No.	
				-45°		200'								FN-1	
Dep.		Length		Bearing						Dep.		Length		Bearing	
		96.95 m		[210]											
From	To	Recovery	Description	Sample Interval	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
									oz/t Au	oz/t Ag					
				79.09 - 80.09			5290	1.0 m	.001	.01					
				80.09 - 81.09			5291	1.0 m	.001	.01					
				81.09 - 82.09			5292	↓	.001	.01					
				82.09 - 83.09			5293		.001	.01					
				83.09 - 84.09			5294		.001	.01					
				84.09 - 85.09			5295		.002	.01					
				85.09 - 86.09			5296		.006	.07					
				86.09 - 87.09			5297		.003	.01					
				87.09 - 88.09			5298		.001	.01					
				88.09 - 89.09			5299		.001	.01					
				89.09 - 90.09			5300		.001	.01					
				90.09 - 91.09			5301		.001	.01					
				91.09 - 92.09			5302		.001	.02					
				92.09 - 93.09			5303		.001	.02					
				93.09 - 94.09			5304		.001	.01					
				94.09 - 95.09			5305	↓	.001	.01					
				95.09 - 96.09			5306	1.0 m	.001	.04					
96.95 = E.O.H.			@ 96.45 m - 2cm thick galena-sphalerite veinlet Quartz floodact + silicified.	96.09 - 96.95			5307	1.0 m	.001	.02					

DRILL LOG - 81

Date 04/07/86 Logged By G. LEASK

Log re-written by D. Harrison (18/06/87)

CANADIAN-UNITED MINERALS, INC.

Date Collected		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.			
04/07/86		05/07/86		NQ		FIELD CO-ORDINATES		DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES		Sheet 1 of 2	
Lat.		Elev.		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		Lat.		Elev.	
Dep.		Length		Bearing										Dep.		Length	
		69.51 m		[030]												HOLE No. FN 86-2	
From	To	Recovery	Description			Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
0.0	2.13 m	0%	no recovery - CASING														
2.13 m	17.38 m		Brown weathering Quartz Feldspar Porphyry														
17.38 m	15.82 m		Q.F.P.														
19.82 m	20.12 m		Epidotized and chloritized Q.F.P. with minor < 1% pyrite														
20.12 m	31.31 m		Silicified Q.F.P. with minor Hornblende														
31.31 m	32.62 m		Silicic dyke - grey coloured, fine grained.														
32.36 m	51.83 m		mildly altered, silicified Q.F.P. talc + sericite on some slickensided fractures - core has low RQD.														
51.83 m	52.59 m		very fine-grained - siliceous dyke (chert-like)														

DRILL LOG - 81

Date 05/07/86 Logged By GORDON LEASK

Log re-written by D. Harrison (18/06/87)

CANADIAN-UNITED MINERALS, INC.

Date Collected 04/07/86		Date Completed 05/07/86		Core Size NQ		DIP TESTS				PROPERTY FREEGOLD - DOME MTN		PROJECT No. 93 L/15 E		N.T.S. No. 93 L/15 E	
FIELD CO-ORDINATES				DEPTH		BEARING RECORDED CORRECTED		ANGLE RECORDED CORRECTED		SURVEYED CO-ORDINATES				Sheet 2 of 2	
Lat.		Elev.		Dip -45°						Lat.		Elev.		Dip	
Dep.		Length 69.51 m		Bearing [030]						Dep.		Length		Bearing	
From	To	Recovery	Description			Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
52.59	69.51		Quartz Feldspar Porphyry												
69.51	E.O.H														

DRILL LOG - 81

Date 06/07/86 Logged By Pardon Leask

Log re-written by D. Harrison (18/06/87)

CANADIAN - UNITED MINERALS, INC.

Date Collected		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.			
05/07/86		06/07/86		NQ		FIELD CO-ORDINATES		DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES		Sheet 1 of 3	
Lat.		Elev.		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		Lat.		Elev.	
Dep.		Length		Bearing		Dep.		Length		Bearing		Dep.		Length		Bearing	
From	To	Recovery	Description			Structure		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
0.0	3.96	0%	- no recovery - CASING														
3.96 m	9.45 m		Broken up Quartz Feldspar Porphyry buff weathering on fracture surfaces														
9.45 m	15.70 m		Quartz Feldspar Porphyry with minor epidote alteration, and chlorite alteration. - rusty limonitic weathering on fractures.														
15.70 m	15.72 m		Quartz vein, <2% pyrite														
15.72 m	17.22 m		Pale green Q.F.P. with minor quartz infilling fine fractures														
17.22 m	35.67 m		Silicified Quartz Feldspar Porphyry with abundant thin fractures infilled with quartz. - Possible crackle zone?														
35.67 m	44.05 m		Pale green weakly altered Q.F.P. slightly silicified.														
44.05 m	44.09 m		Quartz vein - pyrite with minor galena <5% total sulphides														

DRILL LOG - 81

Date 07/07/86 Logged By G. LEASK

Log re-written by D. Harrison

CANADIAN-UNITED MINERALS, INC.

Date Collected		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.							
05/07/86		06/07/86		NQ		FIELD CO-ORDINATES		DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES		Sheet 2 of 3					
Lat.		Elev.		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		Lot.		Elev.		Dip		HOLE No.	
Dep.		Length		Bearing										Dep.		Length		Bearing		FN 86-3	
From	To	Recovery	Description			Sample Interval		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS									
												oz/t Au	g/t Ag								
44.09 m	45.27 m		Quartz Feldspar Porphyry - strongly silicified																		
45.27 m	45.52 m		Quartz vein with 5% pyrite with traces (<1%) galena and sphalerite.			44.27-45.27 45.27-45.52			5308 5309	1.0 m 0.25 m	.001 .068	.01 .05									
45.52 m	47.02 m		Silicified Q.F.P.			45.52-46.52			5310	1.0 m	.001	.01									
47.02 m	47.33 m		intensely clay altered Q.F.P. possibly fault gouge																		
47.33 m	47.97 m		Q.F.P. epidotized, typical pale green colour																		
47.97 m	48.07 m		Quartz vein; pyrite with traces of galena; total sulphides ~ <10%			47.82-48.32			5311	0.5 m	.20	.105									
48.07 m	57.06 m		Quartz Feldspar Porphyry with small amount of orthoclase feldspar. Q.F.P. is dominantly plagioclase. - Few Quartz filled fissures <.2 cm thick.																		
57.16 m	57.46 m		Quartz Feldspar Porphyry - typical lithology as previous																		

DRILL LOG - 81

Date 07/07/86 Logged By G. LEASK

CANADIAN - UNITED MINERALS, INC.

Date Collected		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.			
05/07/86		06/07/86		NQ						FREEGOLD, Dome mtn		2		93 L/15E			
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 3 of 3				
Lot.		Elev.			RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip		MOLE No.		
				Dip - 45°												FN 80-3	
Dep.		Length		Bearing						Dep.		Length		Bearing			
		77.74 m		[210]													
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS								
57.46 m	57.54 m		Quartz vein < 5% sulphides ~ 4% pyrite, lesser quantities of galena + possibly sphalerite.														
57.54 m	77.74 m		Silicified Q.F.P. with minor hornblende + minor orthoclase feldspar.														
77.74	= E.O.H.																

DRILL LOG - 01 Date 07/07/86 Logged By G LEASK

Log re-written by D. Harrison.

CANADIAN-UNITED MINERALS, INC.

Date Collected		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.									
06/07/86		07/07/86		NQ		DEPTH		BEARING		ANGLE		FREEGOLD, DOME MTN.		2		93 L/15 E							
FIELD CO-ORDINATES						DEPTH		RECORDED		CORRECTED		SURVEYED CO-ORDINATES											
Lot.		Elev.		Dip								Lot.		Elev.		Dip							
Dep.		Length		Bearing								Dep.		Length		Bearing							
Length		215.24 m		Bearing (210)								Dep.		Length		Bearing							
From m		To m		Recovery		Description				Sample Interval		% Sulph.		Est. Grade		SAMPLE No.		Width		ASSAYS			
																				oz/t Au		oz/t Ag	
0.0 m		2.44		0%		No recovery - CASING.																	
2.44 m		3.35				Silicified, dark green andesite																	
3.25		8.23				Q.F.P. - silicified, rusty weathering on fracture planes																	
8.23		8.53				Fault zone clay gouge infilling. 8 cm wide pyritic vein at top.				8.0 - 9.0 m				5312		1.0 m		.001		.01			
8.53		10.67				silicified gray-green andesite																	
10.67		13.31				Silicified dark green andesite with minor calcite fracture infilling < 1 cm thick.																	
13.31		13.34				Quartz veinlet with ~ 20% quartz - angle to core = 72°				13.0 - 14.0 m				5213		1.0 m		.001		.01			
13.34		13.67				Silicified, dark green andesite.																	

DRILL LOG - 81

Date 07/07/86 Logged By G. LEASK

Log re-written by D. Harrison.

CANADIAN - UNITED MINERALS, INC.

Date Colored 06/07/86		Date Completed 07/07/86		Core Size NQ		DIP TESTS				PROPERTY FREEGOLD, DOME MTN.		PROJECT No 2		N.T.S. No. 93 L/56	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 2 of 8		
Lot.		Elev.			Dip	RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.		Elev.		Dip	
Dep.		Length		Bearing						Dep.		Length		Bearing	
From m	To m	Recovery	Description			Sample Interval.	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
											oz/t Au	oz/t Ag			
13.67	13.70		Quartz vein x 15% pyrite 4 to core = 80°												
13.7	17.07		Dark green/grey silicified andesite												
17.07	17.22		Quartz vein with epidote alteration low percentage of sulphide			17.0 - 18.0 m			5314	1.0 m	.001	.01			
17.22	18.75		Quartz Feldspar Porphyry dyke light brown colour / weakly silicified.												
18.75	21.24		Silicified dark green andesite with quartz flooded fracture fillings.												
21.24	21.44		Quartz vein, 5% pyrite with minor carbonate			20.84 - 21.84			5315	1.0 m	.026	.03			
21.44	28.07		Dark green andesite												
28.07	28.10		Quartz vein 4 to bedding = 45° with minor pyrite + calcite												

DRILL LOG - 81

Date 07/07/86 Logged By G. LEASK

CANADIAN-UNITED MINERALS, INC.

Date Colored 06/07/86		Date Completed 07/07/86		Core Size NQ		DIP TESTS				PROPERTY FREEGOLD, DOME MTN		PROJECT No. 2		N.T.S. No. 93 L/15 E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 3 of 8		
Lat.		Elev.			Dip -45°		RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.		Elev.		Dip
Dep.		Length 215.24 m		Bearing [210]						Dep.		Length		Bearing	
From m	To m	Recovery	Description	Sample Interval.	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
									02/t Au	02/t Ag					
28.10	29.57		Dark green andesite very fine grained and dense.												
29.57	29.59		Quartz veinlet < 10% pyrite												
29.59	30.44		Dark Green Andesite												
30.49	30.59		Quartz vein with chlorite blobs < 2% pyrite	30.0 - 31.0			5316	1.0 m							
30.59	34.14		Dark Green Andesite												
34.14	34.16		Quartz veinlet - angle to core = 45°												
34.16	34.56		Dark green andesite - very fine-grained and dense.												
34.56	34.66		Quartz vein ≈ 10% pyrite	34.0 - 35.0			5317	1.0 m							

DRILL LOG - 81

Date 07/07/86 Logged By G. LEASK

Log re-written by D. Harrison.

CANADIAN-UNITED MINERALS, INC.

Date Collected 06/07/86		Date Completed 07/07/86		Core Size N Q		DIP TESTS				PROPERTY FREEGOLD DOME MTN.		PROJECT No 2		N.T.S. No. 93 L/15 E	
FIELD CO-ORDINATES				DEPTH	BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 4 of 8		
Lat.	Elev.	Dip	- 45°		RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.	Elev.	Dip	HOLE No. FN-86-4			
Dep.	Length	215.24 m		Bearing	[210]				Dep.	Length	Bearing				
From m	To m	Recovery	Description	Sample Interval		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS					
										02/4 Au	02/4 Ag				
34.66	34.76		Dark green Andesite												
34.76	34.80		Quartz vein angle to core = 70° - low sulphide content.												
34.80	70.12		Silicified Dark Green Andesite												
70.12	70.27		Clay gouge fault zone												
70.27	93.90		Silicified dark green andesite with quartz infilled fractures	71.0 - 72.0 m				5318	1.0 m	.001	.01				
93.90	97.71		Dark green silicified andesite with minor carbonate filled veinlets												
97.71	97.86		Quartz veinlet chloritized with minor pyrite + calcite - <1% pyrite	97.0 - 98.0 m				5319	1.0 m	.001	.01				
97.86	99.85		Dense, fine-grained dark green andesite with minor carbonate veinlets												

DRILL LOG - 81

Date 07/07/86 Logged By G. LEASK.

CANADIAN-UNITED MINERALS, INC.

Date Colored 06/07/86		Date Completed 07/07/86		Core Size N Q		DIP TESTS				PROPERTY FREE GOLD/DOME MTN.		PROJECT No 2		N.T.S. No 93L/15E			
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 5 of 8			
Lat.		Elev.		Dip - 45°		RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.		Elev.		Dip		HOLE No.	
Dep.		Length 215.24m		Bearing [210]						Dep.		Length		Bearing		FN-86-4	
From	To	Recovery	Description		Sample Interval	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS							
										oz/t Au	oz/t Ag						
99.85	99.95		Quartz vein with 3% pyrite, 2% galena angle to = 80°		99.5 - 100.5 m			5320	1.0 m	.007	.02						
99.95	102.29		Dark green, fine-grained, dense andesite with minor calcite veinlets														
102.29	102.59		Silicified andesite with minor chlorite alteration.														
102.59	108.59		Dark green dense andesite with minor calcite veinlets														
108.59	110.98		Pale brown, fine grained silicic dyke with minor pyrite in quartz rich area														
110.98	116.46		Chloritized dark green andesite														
116.46	116.56		Quartz vein ~ 10% pyrite		116 - 117.0 m			5321	1.0 m	.157	.24						
116.56	116.93		Dark green andesite														

DRILL LOG - 61

Date 07/07/86 Logged By G. LEASK

Log re-written by D. Harrison

CANADIAN-UNITED MINERALS, INC.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
06/07/86		07/07/86		NQ		DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES			
FIELD CO-ORDINATES				DEPTH		RECORDED		CORRECTED		RECORDED		CORRECTED		Sheet 6 of 8	
Lat.		Elev.		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		HOLE No.	
Dep.		Length		Bearing		RECORDED		CORRECTED		RECORDED		CORRECTED		FN-86-4	
From	To	Recovery	Description			Sample Interval		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
												oz/t Au	oz/t Ag		
116.93	117.60		Quartz rich zone with minor galena - gangue of chloritized andesite with slickensided fractures + minor hematite			117.0 - 117.8				5322	1.0 m	.001	.02		
117.60	136.59		Dark green andesite with thin abundant quartz + calcite veinlets, slickensided fracture surfaces, coated hematite												
136.59	136.65		Quartz vein with 15% pyrite												
136.65	152.28		Dark green dense andesite with minor epidote on fracture surfaces, with minor quartz + calcite veinlets			136.0 - 137.0 m				5323	1.0 m	.021	.05		
152.28	179.27		Chloritized dark green andesite with abundant quartz and calcite veinlets and low sulphide content.												

DEML LOG-01

Date 07/07/86 Logged By G. LEASK

CANADIAN-UNITED MINERALS, INC.

Date Collected		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.			
06/07/86		07/07/86		N Q		FIELD CO-ORDINATES		DEPTH		BEARINGS		ANGLE		SURVEYED CO-ORDINATES		Sheet 7 of 8	
Lat.		Elev.		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		Lot.		Elev.	
Dep.		Length		Bearing										Dep.		Length	
		215.24m		[210]												HOLE No.	
																FN-86-4	
From m	To m	Recovery	Description	Sample Interval	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS								
									oz/AU	oz/Ag							
179.27	183.31		Dark green andesite, very fine grained and dense; with minor thin calcite veinlets														
183.31	183.33		Thin quartz + calcite veinlets with minor pyrite & to core = 45°														
183.33	184.13		Dark green andesite														
184.13	184.16		Quartz veinlet with minor pyrite & to core = 70°														
184.16	184.76		Dark green andesite														
184.76	184.8		Thin quartz veinlet with minor calcite & to core = 20°														
184.80	194.05		Dark green andesite with minor epidote on fracture surfaces														
194.05	194.07		Thin quartz veinlets with minor pyrite.														

DRILL LOG - 01

Date 07/07/86 Logged By G. LEASK

Logs ~~are~~ re-written by D. Harrison.

CANADIAN-UNITED MINERALS, INC.

Date Colored		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No		N.T.S. No					
06/07/86		07/07/86		N Q		DEPTH		BEARING		ANGLE		FREE GOLD/DOME MIN		2		93L/15E			
FIELD CO-ORDINATES				DEPTH		RECORDED		CORRECTED		RECORDED		CORRECTED		SURVEYED CO-ORDINATES					
Lat.		Elev.		Dip										Sheet 8 of 8		HOLE No.			
				-45°												FN-86-4			
Dep.		Length		Bearing										Dep.		Length		Bearing	
		215.24m		[210]															
From m	To m	Recovery	Description	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS											
								02H Au	02H Ag										
194.07	201.06		Dense dark green andesite with minor epidote veinlets																
201.06	201.41		Quartz veinlet with green andesite gangue. 4 core = 66°																
201.41	205.99		light green andesite with abundant calcite veining.																
205.99	206.01		Quartz veinlet with minor pyrite																
206.01	215.24		Dark green andesite with minor calcite veinlets @ 209.89 - 10 cm thick quartz veinlet < 5% pyrite.																

DRILL LOG - 81

Date 07/07/86 Logged By G. LEASK

CANADIAN-UNITED MINERALS, INC.

Date Colored 08/07/86		Date Completed 10/07/86		Core Size N Q		DIP TESTS				PROPERTY FREEGOLD - DOME MTN.		PROJECT No. 2		N.T.S. No. 93 4/15 E	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES					
Let.		Elev.		Dip - 45°		RECORDED	CORRECTED	RECORDED	CORRECTED	Let.		Elev.		Dip	
Dep.		Length 179.27 m		Bearing [210]						Dep.		Length		Bearing	
From m	To m	Recovery	Description			Sample Interval		% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
												oz/t Au	oz/t Ag		
0.0 m	3.05 m	%	no recovery - CASING												
3.05 m	11.89		Badly broken, dense green andesite - low RQD, limonitic, rusty weathering along fractures												
11.89	11.91		Quartz vein, partially weathered out quartz - with pyrite												
11.91	15.85		Dense, dark green andesite - badly broken with minor calcite veinlets												
15.85	15.89		Quartz vein with minor pyrite weathered out												
15.89	18.45		Dense dark green andesite with rusty weathering fractures												
18.45	19.97		Altered green Andesite with minor pyrite disseminations			17.5 - 19.0				5324	1.5 m	.001	.02		
						19.0 - 20.0				5325	1.0 m	.001	.02		
19.97	21.8		Broken, dense green andesite with minor calcite veinlets limonite weathering on fractures												

DRILL LOG - 81

Date 15/07/86 Logged By G. LEASK

- CANADIAN-UNITED MINERALS, INC

Date Collected		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
08/07/86		10/07/86		N Q		DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES		Sheet 2 of 9	
FIELD CO-ORDINATES		DEPTH		RECORDED		CORRECTED		RECORDED		CORRECTED		SURVEYED CO-ORDINATES		HOLE No.	
Let.		Elev.		Dip - 45°								Let.		Elev.	
Dep.		Length 179.27m		Bearing [210]								Dep.		Length	
Bearing												Bearing		FN-86-5	
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
									oz/t Au.	oz/t Ag.					
21.80	22.26		Altered pale green andesite with chlorite and epidote												
22.26	50.76		Dense dark green andesite badly broken - low RQD @ 33.99 m - 2cm Qtz vein ~ 10% pyrite												
50.76	56.80		Quartz veinlet - carries minor pyrite angle to core = 40°												
56.80	66.46		Dense dark green andesite with broken sections												
66.46	66.47		Quartz vein with 20% pyrite angle to core = 30°												
66.47	66.57		Dense dark green andesite												
66.57	66.6		Quartz vein with 20% pyrite angle to core = 30°												
66.60	66.90		Dense dark green andesite same as previous												

DRILL LOG - 81

Date 15/07/86 Logged By G. LEASK

CANADIAN-UNITED MINERALS, INC.

Date Collected		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.			
08/07/86		16/07/86		N Q		FIELD CO-ORDINATES		DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES		Sheet 3 of 9	
Lat.		Elev.		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		Lat.		Elev.	
Dep.		Length		Bearing										Dep.		Length	
		179.27m		[210]												FN-86-5	
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS								
									oz/t Au.	oz/t Ag.							
66.90	66.91		Quartz Vein ~ 15% pyrite angle to core = 15°	-													
66.91	67.98		Dark green andesite with epidate along fractures														
67.98	67.99		Quartz vein angle to core = 45°														
67.99	69.26		Dark green andesite with epidate along fractures														
69.26	69.30		Quartz vein with green epidate ~ 5% pyrite														
69.30	72.86		Dense dark green andesite														
72.86	72.88		Quartz vein < 2% pyrite angle to core = 60°														
72.88	74.04		Dense dark green andesite														

DRILL LOG - 81

Date 15/07/86 Logged By G. LEASK

CANADIAN-UNITED MINERALS, INC.

Date Collected 08/07/86		Date Completed 10/07/86		Core Size N Q		DIP TESTS				PROPERTY FREEGOLD - DOME MTN.		PROJECT No 2		N.T.S. No 93L/5E	
FIELD CO-ORDINATES				DEPTH	BEARINGS		ANGLE		SURVEYED CO-ORDINATES				Sheet 4 of 9		
Lot.	Elev.	Dip	-45°		RECORDED	CORRECTED	RECORDED	CORRECTED	Lot.	Elev.	Dip	HOLE No.			
Dep.	Length	Bearing						Dep.	Length	Bearing		FN-86-5			
From	To	Recovery	Description			Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS				
											oz/t Au	oz/t Ag			
74.84	74.86		Quartz vein ~ 10% pyrite angle to core = 45°												
74.86	75.91		Dense, dark green andesite												
75.91	76.01		Quartz vein breccia with intermixed andesite fragments < 10% pyrite												
76.01	82.77		Dense, dark green andesite												
82.77	85.36		Buff light brown silicified dyke												
85.36	86.28		Epidotized dark green andesite												
86.28	86.30		Quartz vein < 5% sulphides angle to core = 70°												
86.30	92.38		Dense dark green andesite with epidote on fractures												

DRILL LOG - 81

Date 15/07/86 Logged By G. LEASK

-CANADIAN-UNITED MINERALS, INC.

Date Collected		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.			
08/07/86		10/07/86		N Ø		DEPTH		BEARING		ANGLE		FREEGOLD - DOME MTN		2		93L/15E	
FIELD CO-ORDINATES						DEPTH		RECORDED	CORRECTED	RECORDED	CORRECTED	SURVEYED CO-ORDINATES				Sheet 5 of 9	
Lat.		Elev.		Dip								Lat.		Elev.		Dip	
				-45°													
Dep.		Length		Bearing								Dep.		Length		Bearing	
		179.27m		[210]												FN-86-5	
From m	To m	Recovery	Description	Sample Interval	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS								
									oz/t Au	oz/t Ag							
92.38	92.40		Quartz vein ~ 5% sulphides														
92.40	98.48		Dark green dense andesite epidotized on fractures														
98.48	98.58		Quartz vein 5% pyrite with minor calcite														
98.58	102.43		Dark green dense andesite														
102.43	112.14		Altered pale maroon and pale green volcaniclastic with minor pyrite and abundant quartz/calcite veinlets.														
			Samples:	102.43 - 103.43			5326	1.0 m	.001	.04							
				103.43 - 104.43			5327	1.0 m	.003	.04							
				104.43 - 105.43			5328	1.0 m	.002	.10							
				105.43 - 106.43			5329	1.0 m	.001	.05							
112.14	124.23		Maroon and green volcaniclastic with abundant calcite veinlets														

DRILL LOG - 01

Date 15/07/86 Logged By G. LEASK

CANADIAN UNITED MINERALS, INC.

Date Colored 08/07/86		Date Completed 10/07/86		Core Size N O		DIP TESTS				PROPERTY FREEGOLD - DOME MTN		PROJECT No 2		N.T.S. No 93L/15E		
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 6 of 9		
Lat.		Elev.		Dip - 45°		RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.		Elev.		Dip		
Dep.		Length 179.27m		Bearing [210]						Dep.		Length		Bearing		
From m	To m	Recovery	Description			Structure			% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS			
													oz/t Au	oz/t Ag		
124.23	129.57		Alternating andesite with buff coloured silicified dyke material - dyke may be brecciated													
			Samples:			124.23 - 125.23				5330	1.0m		-001	-02		
						125.23 - 126.23				5331	1.0m		-001	-04		
						126.23 - 127.23				5332	1.0m		-001	-02		
129.57	132.31		Grey/green dense andesite													
132.31	138.72		Altered volcaniclastic with pyrite and quartz - chlorite and epidote altered													
			Samples:			132.31 - 133.31				5333	1.0m		-001	-03		
						133.31 - 134.31				5334	1.0m		-001	-03		
			massive sulphides in places →			134.31 - 135.31				5335	1.0m		-001	-06		
						135.31 - 136.31				5336	1.0m		-001	-02		
						136.31 - 137.31				5337	1.0m		-001	-01		
						137.31 - 138.72				5338	1.41m		-001	-05		
138.72	141.46		Alternating green + massive volcaniclastic													

DRILL LOG - 81

Date 15/07/86 Logged By G. LEASK

CANADIAN-UNITED MINERALS, INC.

Date Collected 08/07/86		Date Completed 10/07/86		Core Size NØ		DIP TESTS				PROPERTY FREE GOLD - DOME MTN		PROJECT No. 2		N.T.S. No. 93L/15E	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 7 of 9	
Lat.		Elev.		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		HOLE No.	
				-45°										FN-86-5	
Dep.		Length		Bearing						Dep.		Length		Bearing	
		179.27m		[210]											
From m	To m	Recovery	Description	Sample Interval	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
									oz/t Au.	oz/t Ag.					
141.46	141.48		Quartz vein / minor sulphide to core =												
141.48	141.83		Green volcanoclastic												
141.83	141.87		Quartz vein with abundant chlorite												
141.87	142.83		Green + maroon volcanoclastic												
142.83	144.51		Altered pale maroon / pale green andesite volcanoclastic	142.83-143.83 143.83-144.51			5339 5340	1.0m 0.68	.003 .002	.02 .05					
144.51	148.17		Green + Maroon volcanoclastic												
148.17	148.23		Quartz vein < 2% pyrite with minor carbonate												
148.23	148.38		Green volcanoclastic												

DRILL LOG - 81

Date 15/07/86 Logged By G. LEASK

CANADIAN-UNITED MINERALS, INC.

Date Collected		Date Completed		Core Size		DIP TESTS				PROPERTY		PROJECT No.		N.T.S. No.	
08/07/86		10/07/86		N Q						FREE GOLD - DOME MTN		2		93L/15E	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES				Sheet 8 of 9	
Lat.		Elev.		Dip		RECORDED		CORRECTED		RECORDED		CORRECTED		HOLE No.	
				-45°										FN-86-5	
Dep.		Length		Bearing						Dep.		Length		Bearing	
		179.27m		[210]											
From m	To m	Recovery	Description	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS							
								oz/t Au	oz/t Ag						
148.38	148.40		Quartz vein 5% pyrite angle to core = 90°												
148.40	150.30		Green/maroon volcanoclastic with epidote alteration												
150.30	150.36		Quartz vein < 2% sulphide (pyrite) angle to core = 90°												
150.36	152.28		Green volcanoclastic andesite												
152.28	152.30		Quartz vein with minor pyrite angle to core = 85°												
152.30	152.44		Green andesite												
152.44	152.46		Thin fluorite veinlet			5341	1.0 m	-001	-01						
152.46	157.82		Green + maroon volcanoclastic												

DRILL LOG - 01

Date 15/07/86 Logged By G. LEASK

CANADIAN-UNITED MINERALS, INC.

Date Colored 08/07/86		Date Completed 10/07/86		Core Size N O		DIP TESTS				PROPERTY FREE GOLD - DOME MTN.		PROJECT No. 2		N.T.S. No. 934/15E	
FIELD CO-ORDINATES				DEPTH		BEARING		ANGLE		SURVEYED CO-ORDINATES					
Lat.		Elev.		Dip -45°		RECORDED	CORRECTED	RECORDED	CORRECTED	Lat.		Elev.		Dip	
Dep.		Length 179.27m		Bearing [210]						Dep.		Length		Bearing	
HOLE No. FN-86-5															
From	To	Recovery	Description	Structure	% Sulph.	Est. Grade	SAMPLE No.	Width	ASSAYS						
									oz/t Au	oz/t Ag					
152.82	152.90		Quartz vein ~10% pyrite angle to core = 80°												
152.90	175.76		Alternating maroon / green volcanoclastic with abundant thin calcite veinlets												
175.76	175.82		Quartz vein with 5% pyrite angle to core = 90°												
175.82	176.83		Alternating green / maroon volcanoclastic												
176.83	179.27 E.O.H.		Pale, altered maroon / green volcanoclastic												

DRILL LOG - 81

Date 15/07/86 Logged By G. LEASK

APPENDIX 2

Drill Hole Assay Results

Freegold Area

ANALYTICAL LABORATORIES LTD.
E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 TELEX 04-53124

DATE RECEIVED: JULY 7 1986

DATE REPORT MAILED: *July 10/86...*

ASSAY CERTIFICATE

SAMPLE TYPE: CORES AU# 10 GRAM REGULAR ASSAY

ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER.

CANADIAN UNITED

FILE # 86-1328

PAGE 1

SAMPLE#		Ag OZ/T	Au OZ/T
FN-86-1	6.09-7.09	.01	.001
FN-86-1	7.09-8.09	.02	.001
FN-86-1	8.09-9.09	.02	.001
FN-86-1	9.09-10.09	1.80	.001
FN-86-1	10.09-11.09	.03	.001
FN-86-1	11.09-12.09	.01	.001
FN-86-1	12.09-13.09	.02	.001
FN-86-1	13.09-14.09	.01	.001
FN-86-1	14.09-15.09	.02	.001
FN-86-1	15.09-16.09	.03	.001
FN-86-1	16.09-17.09	.01	.001
FN-86-1	17.09-18.09	.02	.001
FN-86-1	18.09-19.09	.01	.001
FN-86-1	19.09-20.09	.01	.001
FN-86-1	20.09-21.09	.01	.001
FN-86-1	21.09-22.09	.02	.001
FN-86-1	22.09-23.09	.05	.001
FN-86-1	23.09-24.09	.01	.001
FN-86-1	24.09-25.09	.03	.001
FN-86-1	25.09-26.09	.03	.001
FN-86-1	26.09-27.09	.02	.001
FN-86-1	27.09-28.09	.01	.001
FN-86-1	28.09-29.09	.02	.001
FN-86-1	29.09-30.09	.03	.001
FN-86-1	30.09-31.09	.01	.001
FN-86-1	31.09-32.09	.02	.001
FN-86-1	32.09-33.09	.01	.001
FN-86-1	33.09-34.09	.03	.001
FN-86-1	34.09-35.09	.01	.001
FN-86-1	35.09-36.09	.03	.001
FN-86-1	36.09-37.09	.02	.001
FN-86-1	37.09-38.09	.01	.001
FN-86-1	38.09-39.09	.01	.001
FN-86-1	39.09-40.09	.01	.001
FN-86-1	40.09-41.09	.01	.001
FN-86-1	41.09-42.09	.01	.001
STD R-1		2.97	-

* FREE GOLD AREA

SAMPLE#		Ag OZ/T	Au OZ/T
FN-86-1	42.09-43.09	.01	.001
FN-86-1	43.09-44.09	.11	.021
FN-86-1	44.09-45.09	.01	.001
FN-86-1	45.09-46.09	.01	.001
FN-86-1	46.09-47.09	.02	.001
FN-86-1	47.09-48.09	.02	.001
FN-86-1	48.09-49.09	.01	.001
FN-86-1	49.09-50.09	.01	.003
FN-86-1	50.09-51.09	.02	.001
FN-86-1	51.09-52.09	.02	.001
FN-86-1	52.09-53.09	.03	.001
FN-86-1	53.09-54.09	.01	.001
FN-86-1	54.09-55.09	.01	.001
STD R-1		2.97	-

ME ANALYTICAL LABORATORIES LTD.
2 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE 253-3158 TELEX 04-53124

DATE RECEIVED: JULY 17 1986

DATE REPORT MAILED: *July 22/86...*

ASSAY CERTIFICATE

SAMPLE TYPE: CORES AU# 10 GRAM REGULAR ASSAY

ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER.

CANADIAN UNITED FILE # 86-1519

PAGE 1

SAMPLE#		Ag OZ/T	Au OZ/T
FN86-1	55.09-56.09	.01	.001
FN86-1	56.09-57.09	.01	.001
FN86-1	57.09-58.09	.01	.001
FN86-1	58.09-59.09	.05	.002
FN86-1	59.09-60.09	.01	.001
FN86-1	60.09-61.09	.02	.001
FN86-1	61.09-62.09	.01	.001
FN86-1	62.09-63.09	.03	.001
FN86-1	63.09-64.09	.02	.001
FN86-1	64.09-65.09	.01	.001
FN86-1	65.09-66.09	.01	.001
FN86-1	66.09-67.09	.04	.001
FN86-1	67.09-68.09	.05	.001
FN86-1	68.09-69.09	.09	.001
FN86-1	69.09-70.09	.01	.001
FN86-1	70.09-71.09	.02	.001
FN86-1	71.09-72.09	.06	.001
FN86-1	72.09-73.09	.01	.001
FN86-1	73.09-74.09	.02	.001
FN86-1	74.09-75.09	.04	.001
FN86-1	75.09-76.09	.01	.001
FN86-1	76.09-77.09	.01	.001
FN86-1	77.09-78.09	.03	.001
FN86-1	78.09-79.09	.01	.001
FN86-1	79.09-80.09	.01	.001
FN86-1	80.09-81.09	.01	.001
FN86-1	81.09-82.09	.01	.001
FN86-1	82.09-83.09	.01	.001
FN86-1	83.09-84.09	.01	.001
FN86-1	84.09-85.09	.01	.002
FN86-1	85.09-86.09	.07	.006
FN86-1	86.09-87.09	.01	.003
FN86-1	87.09-88.09	.01	.001
FN86-1	88.09-89.09	.01	.001
FN86-1	89.09-90.09	.01	.001
FN86-1	90.09-91.09	.01	.001

SAMPLE#		Ag OZ/T	Au OZ/T
FN86-1	91.09-92.09	.02	.001
FN86-1	92.09-93.09	.02	.001
FN86-1	93.09-94.09	.01	.001
FN86-1	94.09-95.09	.01	.001
FN86-1	95.09-96.09	.04	.001
FN86-1	96.09-97.09	.02	.001
FN86-3	44.27-45.27	.01	.001
FN86-3	45.27-45.52	.05	.068
FN86-3	45.52-46.52	.01	.001
FN86-3	47.82-48.82	.20	.105
FN86-4	8.0-9.0	.01	.001
FN86-4	13.0-14.0	.01	.001
FN86-4	17.0-18.0	.01	.001
FN86-4	20.84-21.84	.03	.026
FN86-4	30.0-31.0	.01	.001
FN86-4	34.0-35.0	.04	.006
FN86-4	71.0-72.0	.01	.001
FN86-4	97-98	.01	.001
FN86-4	99.5-100.5	.02	.007
FN86-4	116-117.0	.24	.157
FN86-4	117.0-117.8	.02	.001
FN86-4	136-137	.05	.021

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604) 253-3158 COMPUTER LINE: 251-1011

DATE RECEIVED JUL 21 1986

DATE REPORTS MAILED

July 25/86

ASSAY CERTIFICATE

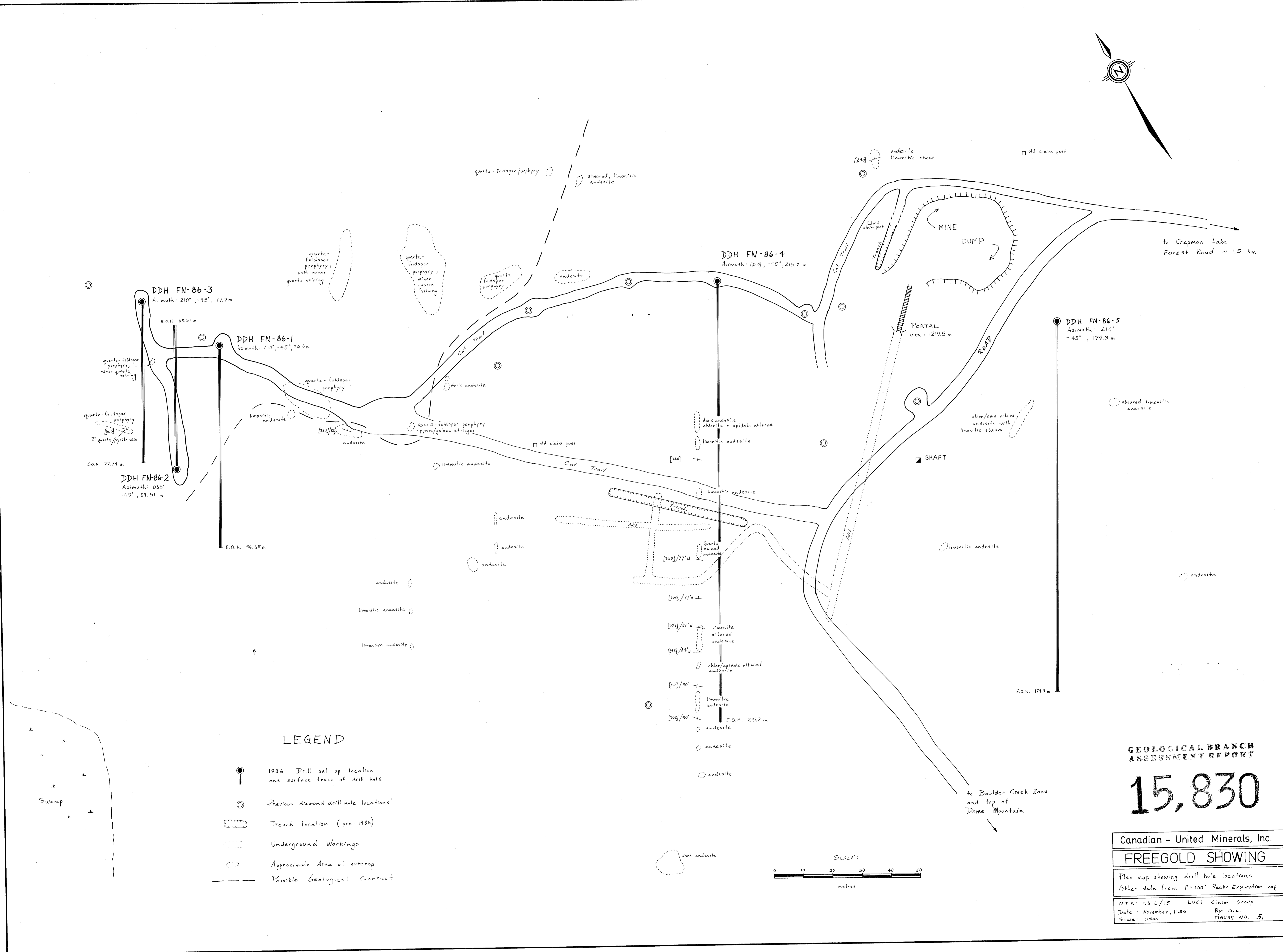
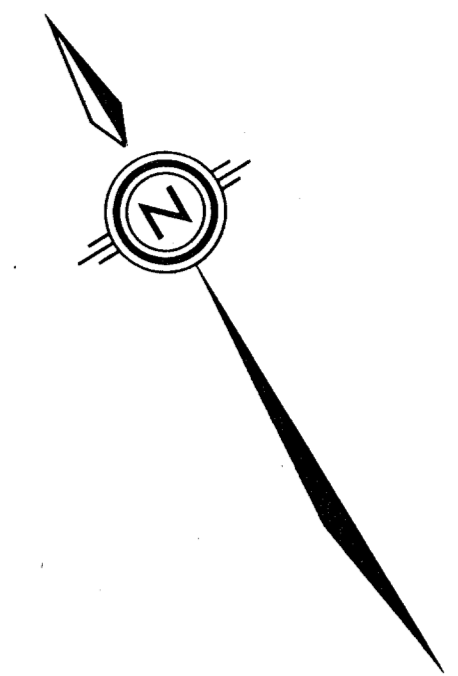
SAMPLE TYPE : CORE - CRUSHED AND PULVERIZED TO -100 MESH.

ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

CANADIAN UNITED FILE# 86-1572

PAGE# 1

SAMPLE	Ag oz/t	Au oz/t
FN86-5 17.5-19.0	.02	.001
FN86-5 19.0-20.0	.02	.001
FN86-5 102.43-103.43	.04	.001
FN86-5 103.43-104.43	.04	.003
FN86-5 104.43-105.43	.10	.002
FN86-5 105.43-106.43	.05	.001
FN86-5 124.23-125.23	.02	.001
FN86-5 125.23-126.23	.04	.001
FN86-5 126.23-127.23	.02	.001
FN86-5 132.31-133.31	.03	.001
FN86-5 133.31-134.31	.03	.001
FN86-5 134.31-135.31	.06	.001
FN86-5 135.31-136.31	.02	.001
FN86-5 136.31-137.31	.01	.001
FN86-5 137.31-138.31	.05	.001
FN86-5 142.83-143.83	.02	.003
FN86-5 143.83-144.51	.05	.002
FN86-5 152.0-153.0	.01	.001



DDH FN-86-3
Azimuth: 210°, -45°, 77.7 m
E.O.H. 69.51 m

DDH FN-86-1
Azimuth: 210°, -45°, 96.6 m
E.O.H. 96.65 m

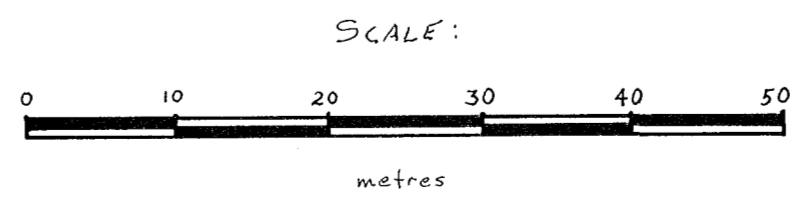
DDH FN-86-2
Azimuth: 030°, -45°, 69.51 m
E.O.H. 77.74 m

DDH FN-86-4
Azimuth: [210], -45°, 215.2 m
E.O.H. 215.2 m

DDH FN-86-5
Azimuth: 210°, -45°, 179.3 m
E.O.H. 179.3 m

LEGEND

- 1986 Drill set-up location and surface trace of drill hole
- Previous diamond drill hole locations
- Trench location (pre-1986)
- Underground Workings
- Approximate Area of outcrop
- Possible Geological Contact



GEOLOGICAL BRANCH ASSESSMENT REPORT

15,830

Canadian - United Minerals, Inc.

FREEGOLD SHOWING

Plan map showing drill hole locations
Other data from 1"=100' Reako Exploration map

NTS: 43 L/15 LUKI Claim Group
Date: November, 1986 By: G.L.
Scale: 1:500 FIGURE NO. 5.