82-441-10480 5

DIAMOND DRILLING REPORT

on the

SAM GROUP OF MINERAL CLAIMS

EAST BARRIERE LAKE AREA

KAMLOOPS MINING DIVISION

NTS 82M/5E

Lat. 51° 17' Long. 119° 44'

for

TRANS WEST MINERALS LTD. Owner and Operator

bу

JAY D. MURPHY, P. Eng. CONSULTING GEOLOGICAL ENGINEER

1981-08-30

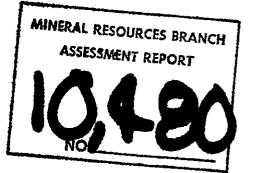


TABLE OF CONTENTS

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Page No.

INTRODUCTION	1
SUMMARY AND CONCLUSIONS	. 5
RECOMMENDATIONS	6
DISCUSSION OF RESULTS	8
(A) DIAMOND DRILLING	8
(B) GEOLOGY	9
· (C) SAMPLING AND ASSAYING	10
STATEMENT OF COSTS	11
STATEMENT OF QUALIFICATIONS	13
BIBLIOGRAPHY	14

LIST OF ILLUSTRATIONS

PLATE NO. 1	Location Map 1:500,000	1
PLATE NO. 2	Claim Map & Property Geology - 1:50000	2
PLATE NO. 3	Surface Plan l:1000	4
PLATE NO. 4	Section 100 + 50 - N 1:500	8
PLATE NO. 5	Section 100 + 00 - N 1:500	8
PLATE NO. 5A	Section 100 + 00 - N 1:500	8
PLATE NO. 6	Section 99 + 75 - N 1:500	8

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8

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ADDENDA

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Page No.

5

Appendix No. 1	Log of Hole R-81-01	1 to 5
Appendix No. 2	Log of Hole R-81-02	1 & 2
Appendix No. 3	Log of Hole R-81-03	1 to 3
Appendix No. 4	Log of Hole R-81-04	l to 3
Appendix No. 5	Log of Hole R-81-05	1 to 3
Appendix No. 6	Log of Hole R-81-06	1 & 2
Appendix No. 7	Assay Certificates	l to 3
Appendix No. 8	Spectrographic Analysis	1

INTRODUCTION

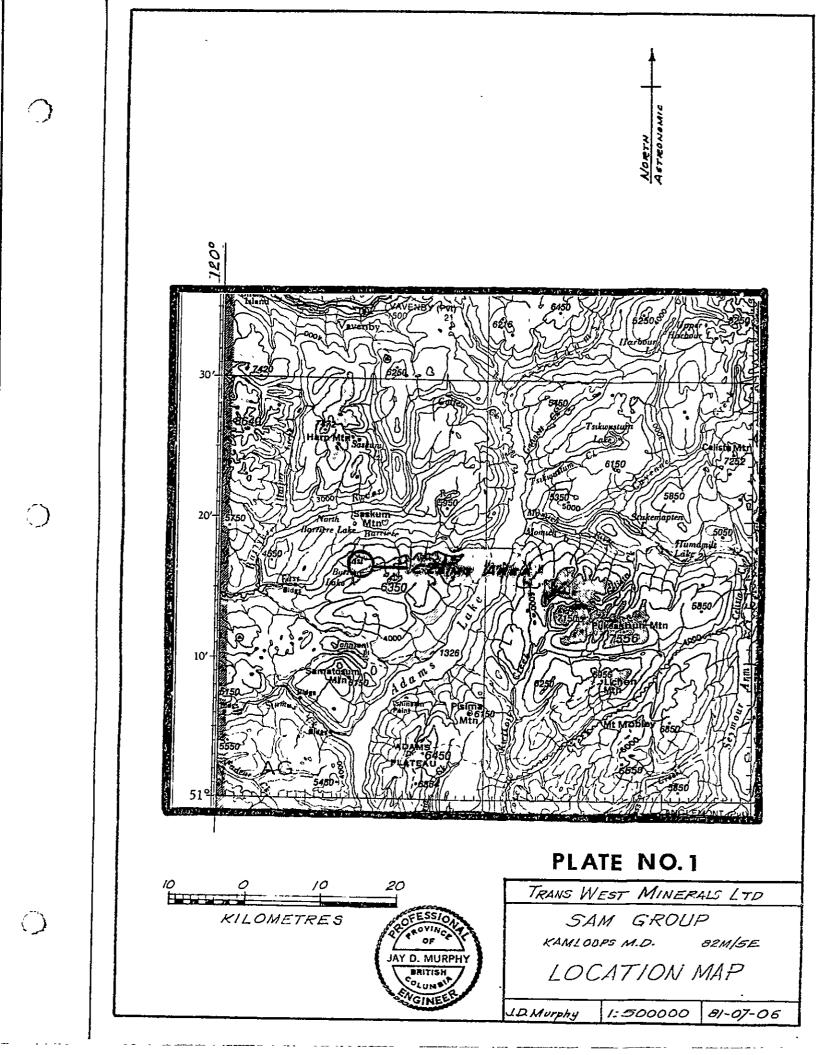
The Sam Group of four mineral claims (28 units) is located on the south side of East Barriere Lake near the east end. (Plate No. 1) This group covers most of John Creek and parts of Fisson and Deadfall Creeks as illustrated by Plate No. 2.

Access is from Barriere on the Yellowhead Highway, a distance of 37 Km. The first 11 Km from Barriere is hard surfaced, the next 11 Km is well maintained gravel serving logging operations and tourists. The final 15 Km is a disused logging road that was only upgraded this spring in preparation for resumed logging in the claims area. This section was ditched and culverted prior to the drilling program but was graded only recently, and is now in good condition. Travel time from Barriere is currently about 45 minutes maximum.

The area of current interest occupies a moderate slope facing northwest and drained by a series of small, fast flowing streams emptying into East Barriere Lake at an elevation of approximately 625 m. Elevations within the Sam Group vary from 760 m at the northwest corner to 1,370 m at the southeast corner. The area south of the main access road and west of the drilling baseline (Plate No. 3) has been logged over within the last decade. Between the access road and East Barriere Lake is fairly open cedar forest sloping gradually to lake level.

The Sam Group occupies part of a large block of ground held through options and staking by Canadian Superior Exploration in 1971. Work at this time included line cutting, a geochemical survey for copper in soils (1,832 samples), 22.5 Km of induced polarization survey and 865 m of diamond drilling. Three zones of potential economic interest were outlined that for clarity will be referred to in this report as the Bex, Fennell and Fisson Zones respectively.

The Bex Zone is a large, linear, northwest trending 1.P. anomaly with coincident anomalous copper geochemistry having dimensions of approximately 200 by 900 m. Location is in the northern portion of the Sam Group about 800 m north of John Creek. Plans show the Bex Zone was tested by five diamond drill holes on three sections approximately 485 m apart. Assay data indicates a sixth hole was drilled. The location of this hole is not recorded but is estimated to be in the extreme northwest end of the zone, 120 to 180 m northwest of the section containing holes 71-4 and 71-5. Assay results and drilling data are summarized below.



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Hole No.	Total Depth(m)	Assay Interval(m)	Assay Width (m)	Assay % Cu
71-1	152.4	85.3 - 103.6	18.3	.08
71-2	109.7	70.1 - 100.6	30.5	.12
71-3	149.3	6.1 - 51.8	45.7	.11
71-4	152.4	6.1 - 27.4	21.3	.10
		27.4 - 54.8	27.4	.16
71-5	152.4	6.1 - 152.4	146.3	.01
71-6	149.3	6.1 - 18.3	12.2	.13

Individual assays varied from trace to .35% copper over 3.05 m.

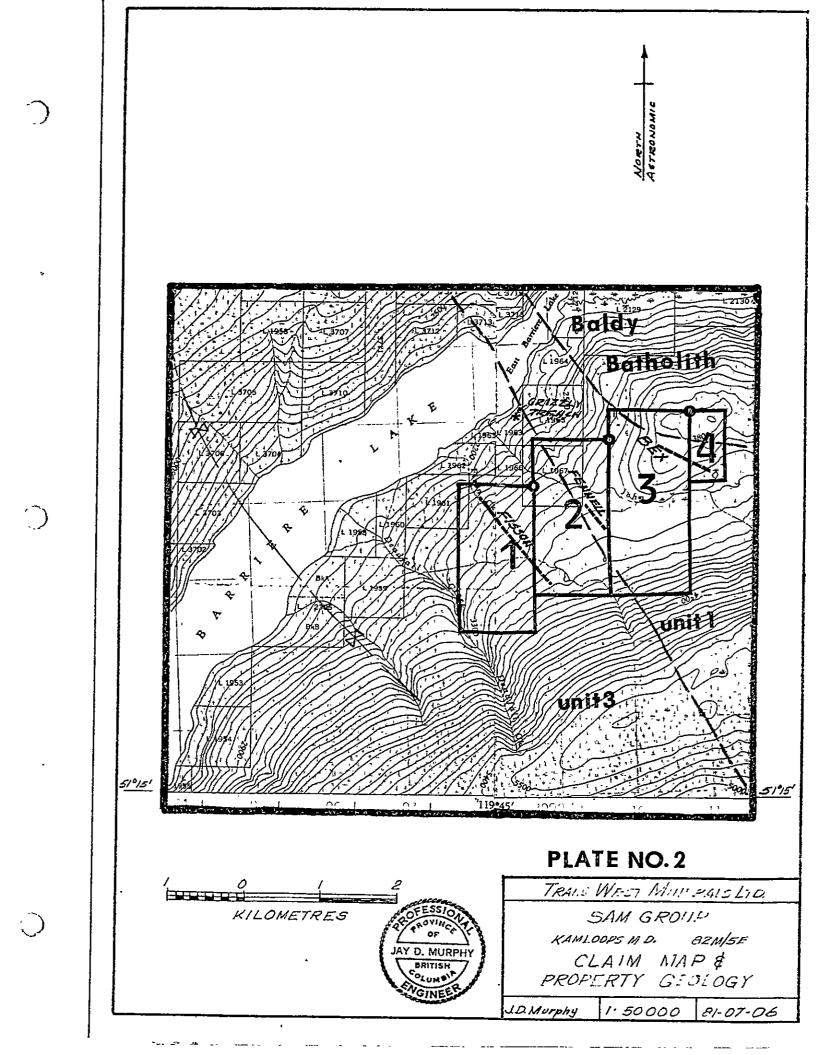
The Fisson Zone is a strong I.P. anomaly trending northwest along both sides of Fisson Creek for approximately 1,450 m with an average width of about 750 m. Only background values from geochemical soil samples are recorded here. Graphitic sediments were reported in the general area and were assumed to cause the I.P. response although the corresponding geological map shows no actual outcrops of any kind within the anomalous area. No further work was done on the Fisson Zone.

The Fennell Zone is located about 300 m south of John Creek and consists of definite to probably anomalous I.P. responses on two lines about 250 m apart giving a northwest trending anomalous zone 140 m wide. Chalcopyrite mineralization exposed in the 'discovery' trench prior to 1971 was found to lie midway between the two lines and exactly on strike with the trend of the I.P. anomaly. A few scattered anomalous copper values in soil samples occur within and peripheral to this anomaly. No additional work was done on the Fennell Zone by Canadian Superior, reportedly because the I.P. anomaly was relatively small and did not appear to persist at depth. Furthermore, the Bex Zone undoubtedly appeared a more attractive drill target, particularly with respect to developing a porphyry type deposit.

Canadian Superior terminated the option agreement in late 1971 and all claims were subsequently permitted to lapse.

Following is a brief chronological history of the Fennell Zone so far as can be determined from available assessment reports.

1966 & 67 - Prospecting and buildozer trenching located copper mineralization adjacent to logging road. 63 claims staked by Barriere Exploration Ltd. (J.A. Fennell et al).



- 1967 Magnetic and geochemical survey conducted by W.S. Read over approximately one square Kilometre centred on discovery trench. Assessment report 1634.
- 1967 1969 Buildozer trenching and X-Ray drilling in 5 holes reportedly carried out by Barriere Exploration, including hole plotted on Plate No. 3.
- 1971 Optioned to Canadian Superior Exploration by Barriere Exploration. Subsequent work programme is outlined above. Option terminated.
- 1971 1976 All claims in the area lapsed.
- 1976 Fennell Zone staked as Jay mineral claim (4 units) by J.A. Fennell. Bear claims tied on to northwest by Marston Fennell.
- 1976 1977 Trench No. 1 excavated in rock on site of discovery trench. Approximately 45 cubic metres of material removed.
- 1977 In October Trench No. 1 was mapped out and sampled by the writer for assessment credit. Five grab samples gave copper values of .04 to .56% across an 18 m trench width.
- Circa 1978 Magnetometer survey conducted over trenched area by unknown company. Results on file.
- 1979 Magnetometer survey conducted over trenched area by Noranda Exploration. Results on file.
- 1980 In May, Noranda Exploration located the EB #1 claim (9 units) north of the Jay claim, overstaking two units of this claim and part of the Bear #1 Claim.

- 1980 1981 Trans West Minerals staked 14 units and 2-Post claims adjacent to the Jay and EB #1 claims.
- 1981 Ownership of EB #1 Claim transferred from Noranda to J.A. Fennell. Jay and EB #1 claims purchased from J.A. Fennell and Bear #1 from Marston Fennell by Trans West Minerals.

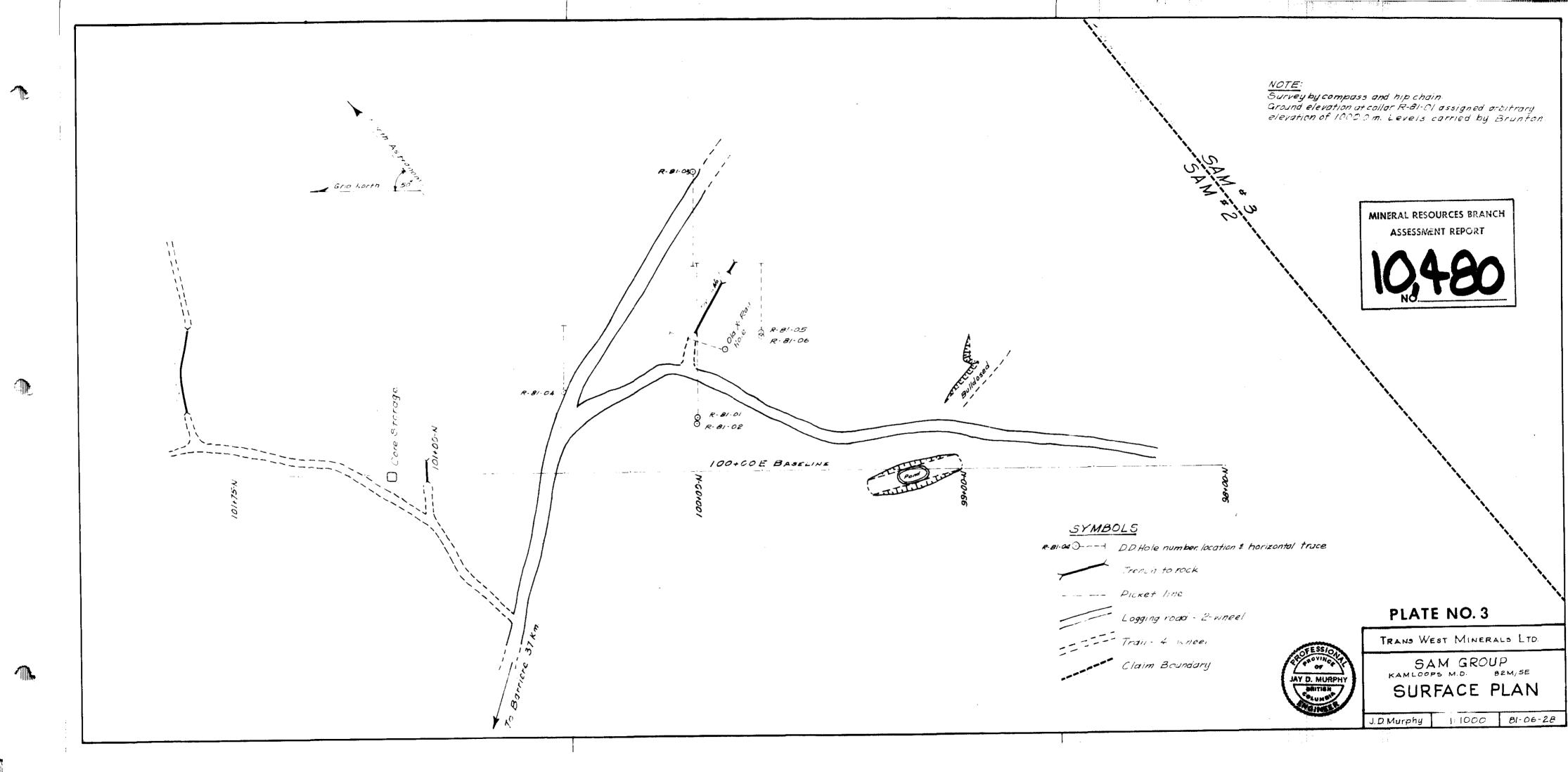
In May and June a diamond drilling programme was completed. In June all Trans West Minerals ground was abandoned and restaked as the Sam Group of four mineral claims. All overlapping claims and 2-Post claims were eliminated. Map mislocation of ground covered by the Jay and Bear #1 claims was corrected.

Correlation of previous geophysical data on the Fennell Zone indicates a strong I.P. anomaly (6 to 8.5% frequency effect) over 300 m in length and flanked by discontinuous magnetic highs to 3,000 gammas above background. Significant sulphide mineralization, including chalcopyrite, in Trench No. I correlates well with the surface plot of high metal factor values calculated from the I.P. data. This was interpreted to indicate the Fennell Zone represented a potential mineralized block that to a depth of 135 m could contain 1.5 million metric tons in the .5 to 1.0% copper range, sufficient incentive for an exploratory drill programme.

Diamond drilling of six B Q size holes totalling 258 m was begun in late May and completed June 10th. The results of this work constitute the subject of this report.

Preparatory to diamond drilling 375 m of base line was established with station pickets set at 25 m intervals. Line orientation was set by compass at N-50°-W to parallel the indicated trend at the Fennell Zone, this direction being the "Mine North" of the grid system. In the discussion that follows, all directions are given relative to Astronomic North unless stated otherwise. After setting the initial pickets by compass to establish direction, the base line was projected by lining in each picket by eye. The line thus established was used to locate the collar and line of each hole and to tie in physical features such as roads and trenches. All distances were measured by hip chain. The resultant survey is illustrated by Plate No. 3. Ground elevation at the collar of hole R-81-1 was assigned the arbitrary mine elevation of 1000.0 m. Levels were carried from this point by Brunton compass.

A core rack, logging bench and core splitter base were constructed to facilitate core handling and storage. Drilling was contracted to Adam Drilling of Princeton on a subcontract from Allan Drilling of Merritt.



Progress was relatively slow due to extremely hard ground, otherwise little difficulty was encountered. Core recovery was excellent. Overburden was shallow in all holes with a maximum cased depth of 5.4 m. A suitable water supply was found readily available in John Creek and smaller streams active during the runoff period. A maximum water line length of 300 m was required when drawing from John Creek.

All core was logged and racked. Mineralized sections were split and samples of half core delivered to Kamloops Research and Assay Laboratory for analysis. Results are recorded on the appended drill log sheets. All drill collars were plugged and marked by wooden pickets to assist future location.

SUMMARY AND CONCLUSIONS

Results from six diamond drill holes completed in the immediate area of Trench No. I did not return significant values in base or precious metals. Good sulphides were encountered in several holes but none of the intersections carried copper mineralization comparable to that seen in the trench itself. It is concluded that copper mineralization occuring in Trench No. I represents a very restricted lens that does not persist down dip or along strike more than a few tens of metres, and consequently has little economic value per se.

Mineralization appears to be strata bound, dipping mine west at approximately 20°. This is a negative factor as regards underground mining, but could be an advantage if sufficient near surface tonnage could be developed to warrant an open pit operation.

Host rocks are mainly non magnetic except where sulphide mineralization is apparent. Most magnetism is attributed to pyrrhotite. Some strongly magnetic sections due to magnetite were noted but these usually carry sulphides as well. Magnetism is associated primarily with the hornfels unit but some gneissic bands carrying disseminated sulphides are also weakly magnetic. It is concluded, therefore, that magnetic highs are usually indicative of sulphide mineralization. It follows that magnetic methods are a cheap and effective tool for outlining new areas of potential economic value.

In the Bex Zone, the problem is to define specific targets of higher grade material within the large area of anomalous I.P. response and associated disseminated sulphide mineralization. A VLF survey combined with magnetics is considered the most effective method to accomplish this. The Fennell Zone contains two targets determined by previous surveys that warrant drill testing, one being a small magnetic high, the other a strong I.P. response. Both lie on the projected extensions of mineralization exposed in Trench No. 1 and tested by current drilling. The problem is the apparent inaccuracy of location of these and other physical features when compared with the current survey illustrated by Plate No. 3. To accurately locate magnetic and conductive zones that may require drilling, the Fennell Zone should be resurveyed on a 50 m grid line spacing, using both magnetic and VLF methods.

The Fisson Zone consists of a very large area of strong 1.P. response that previous operators attributed to graphite sediments. However, according to geological maps compiled by the same operator, there are practically no rock exposures within this zone, indicating there can be little physical evidence for assuming graphite is the source for all anomalous 1.P. values. Sulphide zones, if present, should yield above background magnetism. A magnetic survey is warranted to make this determination.

RECOMMENDATIONS

- Prospect the Sam Group to make geological correlations and examine mineralized areas reported but not seen to date.
- Re-establish and extend the old Hudson Bay Exploration and Development grid system (21 Km of baseline, 17 Km of picket line) to adequately cover the Bex, Fennell and Fisson Zones. Lines are to be 100 m apart with stations 25 m apart. Fill in lines to give 50 m spacing will be required in the Fennell Zone.
- On the Bex Zone conduct a magnetometer and VLF electromagnetic survey using a Ronka 16 or equivalent instrument.
- 4. On the Fennell Zone conduct a magnetometer and VLF survey at 50 m line spacing, extending the survey 400 m northwest along strike at 100 m line spacing.
- 5. On the Fisson Zone conduct a magnetometer survey.

Further recommendations will depend on the results of this work.

Costs for the above recommendations are estimated as follows:

Geology and Prospecting

5 days at \$200 = Assaying	:	1,000 100		
		1,100	1,	100
Bex Zone				
7.2 Km picket line @ 1	00 = 00 = 50 =	640 720 1,800 3,160	3.	160
		, ,		
Fennell Zone				
7.2 Km picket line @ 1 8.0 Km reflag old line @ 9.0 Km EM @ 1	$ \begin{array}{r} $	920 720 400 1,125 1,900 5,065	5	.065
F 1 1 1 1				
12 Km picket line @ 1 8 Km reflag old line @	400 = 100 = 50 = 125 =	840 1,200 400 1,875		
		4,315	4	,315
Drafting, plotting and rep	porting		2	,000
\$	Sub-tota 15%	l contingencies		,640 , <u>346</u>
-	Total Co	st	\$ 17	,986 (say (\$18,000)

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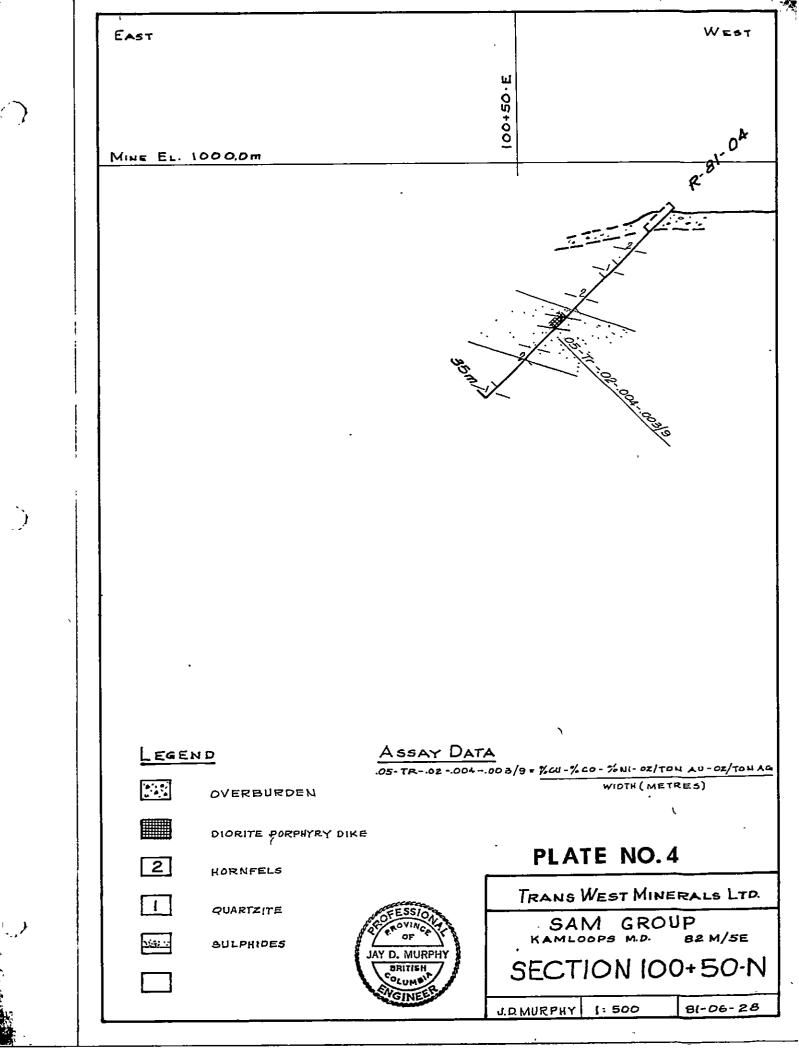
DISCUSSION OF RESULTS

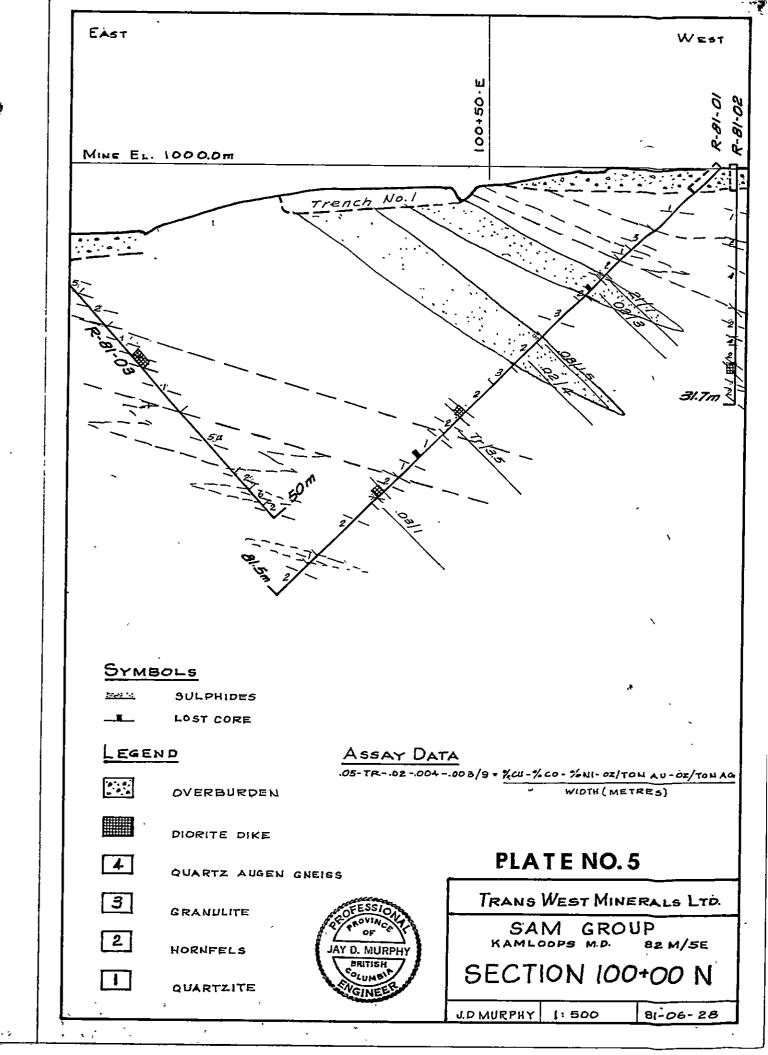
(A) DIAMOND DRILLING

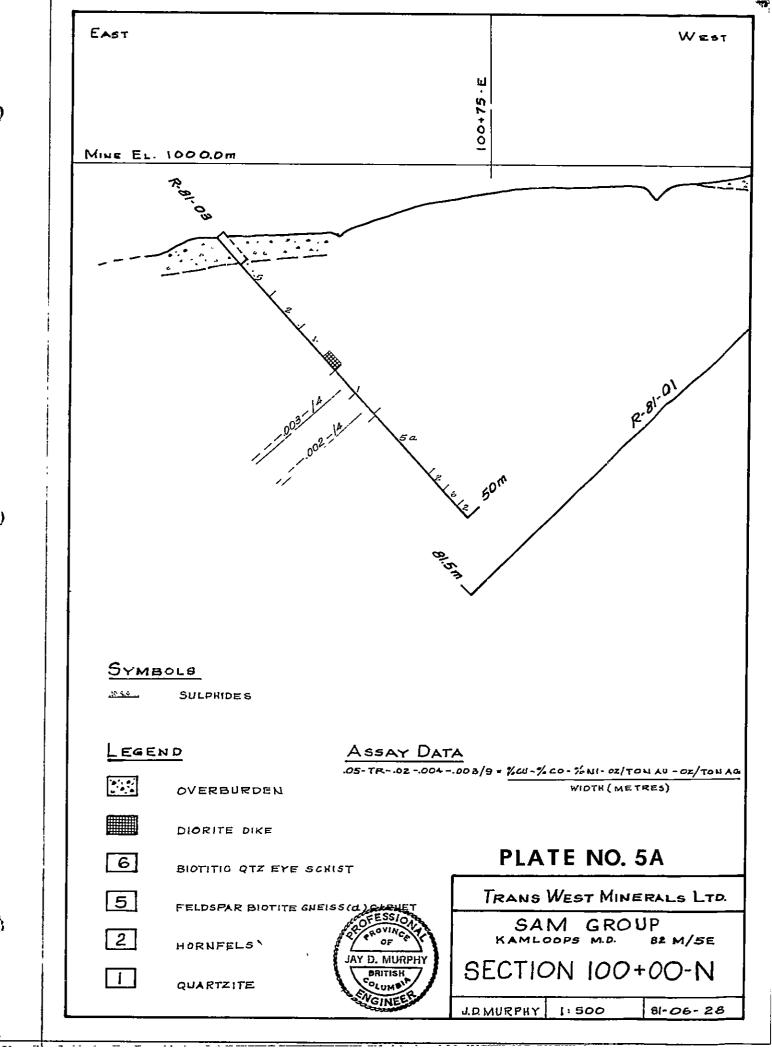
Hole R-81-01 was sited to drill Mine east at 45° dip to pass below the west end of Trench No. 1 at a vertical depth of 30 m. (Plates 3 & 5). From surface mapping the mineralized formation exposed in the trench was interpreted to be dipping mine west at 30 to 60°. Mineralization was therefore expected to be cut before reaching a vertical depth of 30 m, equivalent to a hole depth of 45 m. In fact, the first heavily mineralized band of pyrrhotite with chalcopyrite was intersected at 30 m, indicating a formation dip of approximately 20° mine west, appreciably flatter than anticipated. More sulphides were cut from 32 to 37 m but neither intersection contained chalcopyrite equivalent in tenor to that occuring in Trench No. 1. Consequently, there was some doubt whether the down dip extension of the surface mineralization had actually been reached. To ensure that possible steeply dipping mineralization was not missed the hole was advanced to a point vertically below the east end of Trench No. 1 at a vertical depth of 57.6 m.

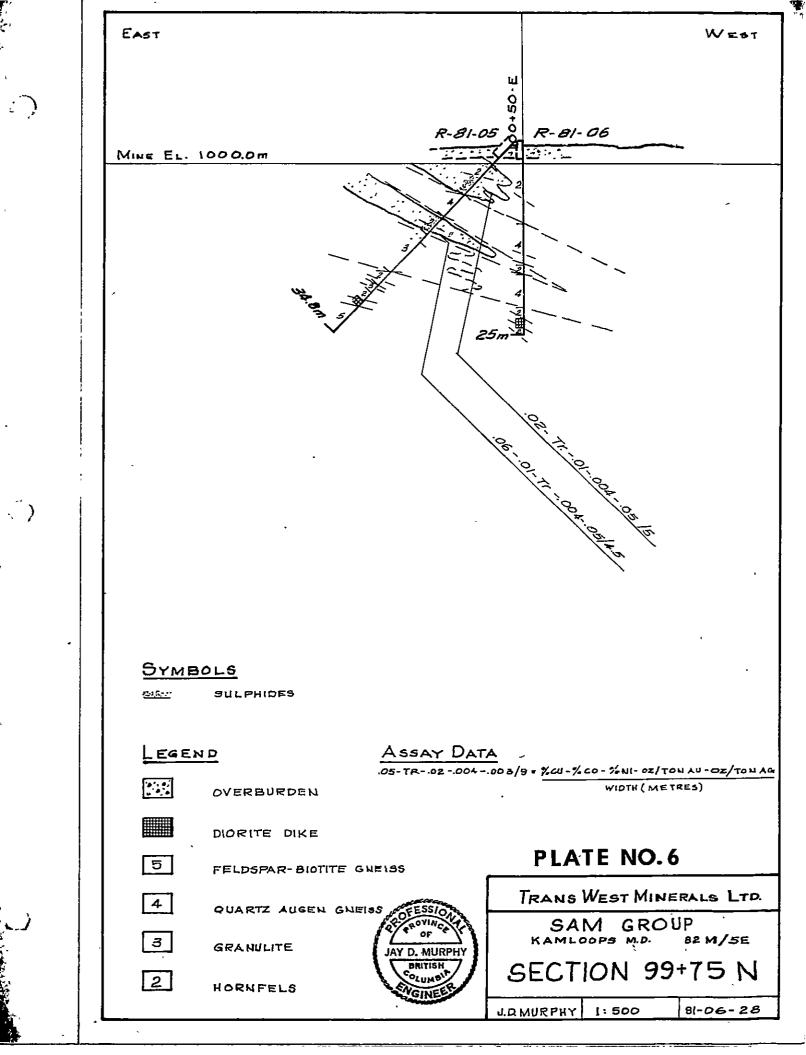
Hole R-81-02 was drilled vertically from the same set up as R-81-01 to confirm the interpreted dip of 20° mine west and to check for mineralization at the projected down dip extension. No significant sulphides were noted but the interpreted dip was substantiated geologically.

In the first two holes no sulphide intersections were made that appeared to correlate in character or grade with the trench mineralization. Furthermore, the true attitude of mineralization in Trench No. 1 is not well defined. These facts suggested that potentially economic sulphides might be associated with some unrecognized structure having a steep dip in the opposite direction to that of the relatively flat lying rock formations. To eliminate this possibility, Hole R-81-03 was drilled in the same section as the first two holes but in the opposite direction, mine west instead of mine east. No significant mineralization or structures were cut. Geology of this hole added support to the interpreted formational dip.









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Concluding that the mineralization as seen in Trench No. 1 has a relatively flat dip mine west, Hole R-81-04 was drilled as a 50 m step out to the north from the section of the first three holes. Fair sulphides, mainly pyrrhotite, were intersected across 9 m but only low metal values were returned. Similarly, Holes \$-81-5 and 06 were drilled as a 25 m step out to the south ffrom the section of Holes R-81-01 to 03. Two fair sulphide bands with a combined width of 9.5 m were cut in Hole R-81-05 but returned only insignificant values in base and precious metals. These sulphide bands are apparently restricted down dip since they were not cut by Hole R-81-06, drilled vertically from the same set up (Plate No. 6).

(B) GEOLOGY

The claims area is underlain by metasedimentary rocks of the late Devonian or early Missippian Eagle Bay Formation intruded by granitic rocks of the Cretaceous Baldy Batholith. Recent work by Preto et al of the Geological Division, Ministry of Energy, Mines and Petroleum Resources, sub divides the Eagle Bay Formation into 11 distinct units. Units 1 and 3 underlie the Sam Group of claims. Preto describes unit I as lithologically similar to but generally more highly metamorphosed than other units of the Eagle Bay Formation, consisting of amphibolite, micaceous quartzite, garnet-biotite schist and impure marble. Unit 3 is described as grit, quartzite, phyllite, impure limestone and minor greenschist. The contact between the two units was previously thought to represent a structural discontinuity but now is considered to be the boundary between conformable but lithologically distinct units. These units dip southwest at low angles towards the axis of a shallow open synform as illustrated on Plate No. 2.

The contact between units I and 3 is shown passing close to the mineralized Fennell Zone. Drilling indicates that Fennell Zone rocks consist of highly argillaceous rocks (hornfels) with lesser interbands and lenses of arenaceous material yielding impure quartzites and several feldspathic gneissic varieties. Minor granulite and schistose bands are also present. It is concluded that the Fennell Zone is situated close to the contact with Unit 3 but lies within rocks of Unit 1. Drill Sections illustrated by Plates 4 and 5 indicate the ecomomically favourable zone is a 30 m thick bed of hornfels dipping mine west at 17 to 22°, overlain by a 7 m thick quartzite bed and underlaid by another bed of quartzite approximately 8 m thick. Sulphide mineralization occurs in the upper 20 m of the hornfels bed and, for the most part, appears conformable with banding within this unit. Below the lower quartzite band are barren hornfels, gneisses and minor quartzite.

C. SAMPLING AND ASSAYING

All samples of half core were assayed for copper with the exception of two from hole R-81-03 that were run for gold only. Individual samples from holes R-81-04 and 05 were used to compile composite samples subsequently assayed for cohalt, nickel, gold and silver.

Results are recorded on the drill sections and logs. No samples were taken from holes R-81-02 or R-81-06.

Copper assays from core samples varied from trace to .21%. Cobalt and nickel values were significant, as were results from gold and silver assays.

Atomic absorption techniques were used in analysing for base metals, fire assaying techniques for precious metals.

Two composite samples from hole R-81-05 were combined and sent to Specomp Services in Boise, Idaho for spectrographic analysis. No significant amounts of any element were found. Results are appended.

Five grab samples were taken from the old Grizzly trench which lies outside the claim group (PLate No. 2) but is roughly on strike with the copper geochemical anomaly of the Bex Zone. A trench width of approximately 75 m was sampled. Copper assays ranged from 12 to .39%. Results are appended.

STATEMENT OF COSTS

The following expenses were incurred on the Sam Group of mineral claims. Diamond drilling was carried out under contract by Adam Drilling between 1981-05-26 and 1981-06-10. Drill preparation, supervision and reporting was done between 81-05-25 and 81-08-31. This work was done by J.D. Murphy, P. Eng. and P.N. Murphy, field assistant.

DIAMOND DRILLING

Contract drilling 258 m BQ hole @ \$66/m	\$17,028.00	•	
Moving time - 30 man hours @ \$20/hr.	600.00		
Tractor time - 18.5 hours @ \$35/hr.	647.00		
'Quik Gel" - 4 bags @ \$11.43/bag	45.72		
Alcomer Liquid Mud - 1 pail at \$178	178.00		
Mobilization & demobilization from Kamloops	1,000.00		
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Tatal Diamond Duilling	610 hoo aa	¢10 600 2	2

Total Diamond Drilling \$19,499.22 \$19,499.22

DRILL PREPARATION AND SUPERVISION

Labour:

2 days baseline survey and core rack construction @ \$90.	180.00
<pre>16 days drill supervision, logging, sampling, etc. @ \$200. 81-07-10 - 1 day re-examine drill</pre>	3,200.00
core @ 200	200.00
81-07-27 - 1 day surface sampling @ \$200	200.00
81-08-29 - 1 day check old line grid @ \$200	200.00
Total Labour	\$ 3,980.00
Food and Accommodation - 16 days at \$25/day	400.00
Transportation:	
l-day Budget truck rental plus 278 Km at \$.12/Km 9 days 4 x 4 rental @ \$20.00 4 x 4 mileage - 977 @ \$.25/mile	74.48 180.00 244.25
Car Mileage - 712 @ \$.20/mile	142.40
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Total Transportation \$ 641.13

STATEMENT	0F	COSTS -	cont'd.

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Supplies			
50 only BQ size core boxes @ \$2. Core rack hardware	50	\$ 125.00 <u>6.74</u>	
Total Supplies		\$ 131.74	
Total Drill Preparation and Supervisi	ion	\$ 5,152.87	\$ 5,152.87
ASSAYING			
19-copper @ \$6.00 3-gold @ \$8.00 3-gold & silver @ \$11.00 3-colbalt @ \$6.50 3-nickel @ \$7.50 12-samples composited @ \$.75 1-spectrographic analysis Total direct charges 15% surcharge	\$114.00 24.00 33.00 19.50 22.50 9.00 <u>30.00</u> \$252.00 37.80		
Total Assaying	\$289.80		289.80
REPORT PREPARATION			
50 only BQ size core boxes @ \$2 Core rack hardware Total Supplies Total Drill Preparation and Supervise <u>ASSAYING</u> 19-copper @ \$6.00 3-gold @ \$8.00 3-gold & silver @ \$11.00 3-colbalt @ \$6.50 3-nickel @ \$7.50 12-samples composited @ \$.75 1-spectrographic analysis Total direct charges 15% surcharge Total Assaying <u>REPORT PREPARATION</u> 7 days drafting and reporting @ 17 pages typing @ \$10./page 47 pages photocopying @ \$3/page 7 plates blueprinting & Photoco @ \$10/plate		\$ 1,400.00 170.00 131.00 <u>70.00</u>	
Total Report pre	paration	\$ 1,771.00	\$ 1771.00

TOTAL COSTS

\$26,712.89

STATEMENT OF QUALIFICATIONS

- I, Jay D. Murphy, hereby certify:
- That I am a Consulting Geological Engineer, resident at 1335 Todd Road, Kamloops, B.C.
- That I am a graduate from the University of Manitoba, (1954) with a B. Sc. in Geological Engineering.
- 3. That I have practiced my profession continuously since graduation.
- 4. That I am a member of the Association of Professional Engineers of British Columbia and Ontario.
- 5. That the information contained in this report is based on a personal examination of the subject property.
- 6. That I have no financial interest in the subject property.

Murphy D. Ja ESSIO, 0F AY D. MURPHY

- 14 -

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Bex Project Summary Report for Canadian Superior Exploration Ltd. November, 1971

MURPHY, Jay D Geological Report on Jay Mineral Claim for Sandy Fennell November, 1977

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READ. W.S. Magnetometer and Geochemical Surveys Bex 1 & 2 Mineral Claims for Barriere Exploration Ltd. Assessment Report 1634 July, 1967

DEPTH DIP BEARING AST. PROPERTY SAM GEOUR CLA COLLAR 45° N-40°-E LATIFUDE 10000.0-M STARTED 1201-05-0 LATIFUDE 10020.0-E FINISHED 1201-06-0 ELEVATION NOTAL LENGTH 81.5 DEPTH DESCRIPTION MINERALIZATION SAMPLE FROM 1 0.0 CASING: strik up 0.5a, cosing pulled I I 4.1 OUMETRIFE: med. grey, f.g., impure I I Biolite & sericite Nokes, fair to I I good primer banding as 45-55 I I I Noted, btm. det. distinct as 65 I I I	27	Cor				
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as 60-65, consists of appl. equal						
as 60-65, consists of appl. equal						
volume dort green chloritic ferromaus						
(puraiene?) « white argillic felde.						
(pyraiene?) & white argillic felde. W. carb. alth, no min. noted,			·			
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distinct a 60-65,		1	1	 	<u>├</u> ─── }	· · ·
		1	+	┠╼╍╼╼┥		
7.2 HORNFELS: mainly dork green N.		•	+	<u>├</u>	<u></u>	
light and around					<u>+</u>	
light grey green potches & bnds, f.g., non uniform aspect, vories from mussive to		-{			1	1
porches & pnds, t.g., non Unitorm						

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DIAMOND DRILL CORE LOG -- SAMPLE RECORD

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PROPERT	Y SAM GROUP	HOLE No.	- 81-0,	/	- -		SHEET (Vo	?	of	<u>.</u>	
DEPTH	DESCRIPTION	MINERALIZATION	SAMPLE	FROM	τo	m	Cu			T		٦
17.2	HORNFELS (control) excellent bounding	•	}									
	mainly as 60, lesser					<u> </u>						
	buding as 10, U. hard, taugh rock						. <u> </u>					
	W. some heavy suppliede hads os											_
	noted	50% Pho N Cpy	092	20,0	21.0	1.0	. 21	[<u> </u>	 		
	20.3 - TOCH had 50-60% Pourhofite					ļ						-
	w miner Cpy near top duty	Minur scold Pho	093	21.0	25,0	4.0	.02	ļ	ļ	ļ	ļ	
	some whe buding as 60-10,	····-			····	ļ			<u> </u>	<u> </u>	ļ	_
		·····	ļ				i 		ļ		1	_
	22.5 - TO CM LOST CORE, tube not											
	· locked.	·										_
24.8	GEANULITE: Os described, massive								ļ		 	-
	to wkly handed a 60,		ļ							<u> </u>		
	uniform, borren					ļ			ļ	<u> </u>		-
31-7	HORNFELS: OS described, some	strong Pin, musiling	094	31,5	33.0	1.5	.08		ļ	ļ		
	excellent banding as								<u> </u>			
	55-65 strong Pho. sections N.	WK Pho. N LUG	095	33.4	37.0	4.0	. 02					
	minor Cpy. as noted,											
	32-2- 55 cm heavy Plac. to 50-60%											
	well bonded a 55-70					_						
				K y								
37. k	GEANULITE: mal to light gray,			÷.	·							J
	mal grained, generally							•				-
	W. buding a 60-65 N. 40 im			-]
	at start section well banded a											1
	50, F.g. curb. present giving modurate											1
11.0	reaching to HCL, barren of suiplides,	•			· · · ·					1	1	1

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DIAMOND DRILL CORE LOG - SAMPLE RECORD

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PROPER	TY SAM GROUP	HOLE No.	<u>81- C</u>	<u>v</u>		ť	SHEET	No	<u> </u>	.of	,
DEPTH	DESCRIPTION	MINERALIZATION	SAMPLE	FROM	то	m				T	
	HORNFELS: dark to medium	· · · · ·									
,	grean, f.g. to m.g., massive to four banding as	Į′	∦ '	 '	 '	 '					
·'		<u> </u>	 '	 '	 '	 '	 			<u> </u>	
·'	65-70, 50me uk Pho. min,	·'	{ '	 '	 '	 '	 				
[]	Las man and white Po files	//	<u> </u> '	 	 '	! '			+		}
	40.0 - 20 cm. creamy white fig. felse dike, chits. & sharp a 70 ° 60,	······	()	j1	 '	'	<u> </u>		+	+	
	10.2- TO CIN IN 10% pinkish grey	۴	(·	1		[]		+	+	+	
'	irreg. pateles f.g. garnet,	ſ′			[]			<u> </u>	<u> </u>	<u> </u>	
⊢ '	40.9- 100 m n. 25-30 % white	[′	Į'	<u> </u>	<u> </u>	<u> </u>					
	ate. & carb. Uns. & stra a	([/]	↓ '	 '	Į'	<u> </u>	Į		<u> </u>		
	40 & QS Irreg. blebs sub porolle	<u> </u>	{ '	 '	 '	 '	 		<u> </u>	- 	
	to core axis, some fair Pho. min.	t'	 '	↓ /	 '	 '	 		<u> </u>		
1 1	44.4-45.5- mottled section W.	<u>۱</u>	↓ '	 	└── ′	 '	 			· '	
·'	m.g. grey granslite	/ /	<u> </u> '	 	 '	 '	 				1
['	in f.g. green matrix, with binding as 65	·/	<u> </u>]			<u> </u>	 			'	
·····	DIORITE DIRE: med. grey, m.g.	۲ <u>ــــــــــ</u> ۲							<u> </u>	} −−−−−	<u> </u>
 '	biotific, burren,	۲	<u>ا</u>		\Box'					·	
I'	chets sharp a Bo- 85	<u>ا</u>	 '	L]	<u> </u>	ال	L			<u> </u>	
⊢ ′		۲ ^۱	ا ــــــــــــــــــــــــــــــــــــ	14	<u>ا</u> ا	<u>ا</u> ــــــــــــــــــــــــــــــــــــ	I				ŀ
47.0	HORNFELS: as described, suf of	wk Pho is minor Cpy	096	47.0	50,5	3.5	Tr.	<u> </u>		Į	
 '	f.g. pink garnet,	·'	↓ '	ļ!	↓ '	 /	 	· .	<u> </u>	- '	<u> </u>
·	chloritie in part, minie scold	۲ ^۲	{ '	 '	 '	 '	 			 '	-
 	Chloritic in part, minir scolid Pho. & Py; moinly massive w.	۲·۲	 '	' <u>ــــــــــــــــــــــــــــــــــــ</u>	↓ ′'	{'	 	<u></u>		ļ'	
	some fair bunding as 65-15,	<u> </u>	 '	 '	 '	 '	 	- 		- '	
50.2	/	<u> </u>	<u> </u>	<u> </u>	<u>í </u>	<u>'</u> '	L			′	<u> </u>

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DIAMOND DRILL COKE LOG -- SAMPLE RECORD

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PROPER	TYSAM GROUP	HOLE No.	- 81-0	/	<u> . </u>		SHEET	No. <u>4</u>	4	of <u>5</u>	,
DEPTH	DESCRIPTION	MINERALIZATION	SAMPLE	FROM	то	m	Cu	T	1	1	<u> </u>
47-0	HaenFELS: (control)	•			ļ						
	are 2 - 20 cm light man felic macht						<u> </u>			<u> </u>	
	48-2- 20 m light yey felic mot l & 80 470, converging, propuble afrite lens										
£0. 13			<u></u>								
50.2	QUARTZITTE: med. grey, f.g. to acc. m.g. had, well honded					<u> </u>					┼───
	a 65 a start and end Xn, 51.5-53.0							ļ			
	well bunded as 80-85, btm. itet.										╞──
<u>58.3</u>	sharp a To, HORNFELS. dork green, f.g. mainly										
	Well Donded a 65					 					<u> </u>
	First 30 cm. only why haded is. Scald course pink garnet phenoblasts,									+	
	to 1.5 cm, barren of sulphides.										
60.9	DIORITE DIFE: dark grey, m.g.										
	uniform, biohtic,							<u>_</u> _		<u>+</u>	
	ctets. sharp, unchilled a 20150,		; 							· ·	
61.2	HORNFELS: dork grey to med to	•		No y							
	dork green, f.g. well	· · · _ · _ · _ · · · · · · · · · · · ·									
	bonded a 60-70,	1000		200			42	• 			ļ
	61.9 - 85 cm dark grey to black band w 1-2 % finely banded	1-2 / Ани Руш. Сру	097	62.0	63.0	1.0	.03			<u>+</u>	<u> </u>
	Pho & Py W minor Cpy	······································									
73,5		· · · · · · · · · · · · · · · · · · ·					•				

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DIAMOND DRILL CORE LOG -- SAMPLE RECORD

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PROPER	TYSAM GROUP	HOLE No.	<u>· 81-0</u>	<u>//</u>	-		SHEET /	<u>م</u> No	 (of <u>5</u>	
DEPTH	DESCRIPTION	MINERALIZATION	SAMPLE	FROM	то	m			<u> </u>		
1.1.9	HORNFELS: (routed)	· /	[]	'							
	63.8-15 m white gtz. as 365,	l	/ '	 ′			<u> </u>	_	4	·['	
	63.8-15 cm white gtz. as 2 65. minor Py & Cyy. glong both wills,	/	 '	 '	 		_			·'	
	67.5- 3 cm leavy grey oft. as 45 N	/	<u> </u> '	 '		_		_		·′	_
	5% Pho. followed by ID cm N	/	/ '	 '	 			_		·'	_
	minier Pho. buds. to .5 mm	l'	 '	 '	 	_				·'	
	69-3- 60 cm shattered zone W.	·/	/ '	 '	 		 	_	<u> </u>	· '	
r	abund. rock frags. & clayey	/	/ '	 '	 					·] · · · · · · · · · · · · · · · · · ·	-
·	but non plastic matil, 5% fractural,	l	/ '	 '	 					· · ·	
·	glassey gtz. w. few M.g. Py cupes	l'	 '	 '				<u></u>		·	<u> </u>
 	neor h. wall, shearing a 40-50,	/	 '	<u> </u>	 	_		<u> </u>		'	
i	clayer gouge along f.w. slip	/	 '	 '	 		 '	 	- 	·	
	70.0 - 50 cm. blocky frags followed	·/	 '	<u> </u>	 		 '		 	· '	
	by 50 cm Atz Eye Schist,	/	 '	<u> '</u>	 		 '			·'	
i		/	<i>┟</i> ────′	 '	 		 '	 		·'	
73.5	QUARTZITE: med to durk grey, f.g.	/	/ '	 '	 		 '	 	<u> </u>	ļ'	
/	well hundred a 60-10, barren		<u>/'</u>	 '	 	+	 '			 '	
I		/'	<u>/'</u>	 '	 		 '		'	·'	-
<u>75./</u>	HORNFELS: mail grey to green, f.g.	/	/ '	 '			 '	 	+	 '	
 	finely banded a 65-10,	<u> </u>	<u> '</u>	<u> '</u>	 		 '	 		 '	-
 	75.7- BL-5- arenaceus harnfels mat.	/	/ '	17 yr.	 		 '	_		·	
<u> </u>	greep rather than green	/	↓ '	[*-]	 		{ '		+	\ '	
 	in color, coarser banding, abund.	J'	 '	 '		 	 '	<u>↓ ·</u>		·'	
 	carb, in part, moderately tractured]					 '			'	
L	# blocky	/		- '			 '	 	<u> </u>	[']	_
L		,ľ		· · · · · · · · · · · · · · · · · · ·		<u>_</u>	<u> </u> '	<u> </u>	<u>_</u>	'	<u> </u>
81.5	END OF HOLE	.)	4	· · · · · · · · · · · · · · · · · · ·			<u> </u>				

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	\bigcirc		DIAMOND		LOC) —	SAN	PL	RE	COR	D	Ú		
DEPTH	DIP	BEARING AST.	PROPERTY 5	IM GPAUR				c#	6		2 0			
COLLAF	2 90°		LATITUDE	the former of the second s	an / 9		CLAIM-+ / /)/	7.A.H 57	a Holi	E NO	<u>K-0</u>	- <u>0</u> 2		••
l			DEPARTURE /0.01			•						¥ +00-		***
											1		ί.Υ	**
			ELEVATION	TOTAL	LENGTH	[<u></u>		LOGO	ED BY	Jan !!	Mussel	luz	•
DEPTH		DESCRIPTION		MINERALIZATION	SAMPLE	FROM	TO	m		T		بتتر		٦.
0.0	CASIN	6: stick up 0.5	m. cosing bulled						<u> </u>	1		 	+	1
			· · · ·							1		<u> </u>	1	1
3.3	QUAR	TZITE: dark	grey, f.g.											
			e, bud to										·	
		uaded, barren,			 					<u> </u>				
	<u></u>	5- massive to	wkly baaded					ļ						
		in part, mode	erately breeciated							<u> </u>		_	<u> </u>	
 	K nun	nerous fractured	gtz. strs							 		ļ		_
	5-0-20	a an Lost Cop	E, pyritič					 			<u> </u>	 	┨────	_
	<u>sili</u>	s appl. Il to c.	Dre axis					<u> </u>		 	 	 		4
	7.6-10									<u> </u>	 	_		4
		OFN. CFCF. 3	haip a 70-75							<u> </u> -	· · · ·	<u> </u>	╂	-
10.1	HADVE	ELS: dark grey	area Ro							<u> </u>		 	┼	-
~~~	<u> </u>	to mar h	-green, t.g.	•									<u> </u>	-
	Chlark	<u>to mig. bi</u> <u>i horpulende in</u>	port. fair				<del></del>				·	<u> </u>	<u> </u>	-
	banding	as To, barren,	btm. chet									<b> </b>	<u> </u>	APP
						·			· · ·					PEN
10.9	QUAR	<u>0 70-75.</u> Г. Ансен Сын	Erss: medium			, ±							<b> </b>	
			areu.									[	<b></b>	B
	blue gi	rey atz phenoci	asts in f.g									[		- ·  ~
 	feldepo	r-hickte matri	i, distinctive											1_
													[	TΞ
19.1	eyes, u	structure. w. 10 milion, fair bondin	9 00 65-70	•										1

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DIAMOND DRILL CORE LOG - SAMPLE RECORD

Y SAM GEOUP	HOLE No. <u> </u>	02			SHEET	No	2	.of2	
DESCRIPTION	MINERALIZATION SAMPLE	FROM	τo	m	1	T	1	T	
HOCHFELS: dark green w. abund	•								+
light grey to light green									
endoto ?) bods garnehiterous				<u> </u>					
to 5-10% over first 1.5m, soft (		ļ	<del></del>	ļ		<u> </u>	<u> </u>	<u> </u>	
Chlartie in part, good pamling				ļ		<b>_</b>		<u> </u>	
prainty a to a some norrow Xn's				ļ		<b> </b>			
a 45, top ctet a 45, possibly sheared	······					<b>_</b>	<b></b>		<u> </u>
				ļ		<u> </u>	·	ļ	
22.9-24.0 - QFz Augen Gnuiss hand		<u> </u>		<u> </u>		<b> </b>	<b>_</b>		<u> </u>
as previously described		┼──-┤		ļ	 	<u> </u>	<u> </u>		ļ
top chet sharp a jo, him etet indefinite,							<b> </b>	<u> </u>	ļ
cuts offset by shr. a 25		<b> </b>	·- ·-			<u> </u>	<u> </u>		<u></u>
Dura Dura 11				<b> </b>					<u> </u>
DICKITE DIFE : durk grey, M.g.;									<u> </u>
L'ili to it it				<u> </u>			<u> </u>	<b>_</b>	<u> </u>
Distinc, Darren, crile Shorp & straight	·····	┼──┤							<u> </u>
		┟───┤							
Howevers: an electrical marries to		┼╌╍╍┤	·						<u> </u>
		╆═┄╌╌┨		 					<u> </u>
of halo and to fair handing or 15-	··-···	16						·	<u> </u>
to so w lasser have to 55 final								<u> </u>	
		<u> </u>							
	·····	-						<u> </u>	
281- 2 cia cta cuelo che a da		┼──┤							
HON- L CON YEL CUTE. 311. W 40 W			<u>-</u>					<u> </u>	
END OF HOLE		┼╌╌╴╏					<b> </b>	<del> </del>	
	DESCRIPTION HORNFELS: dark green w. abund. Igut grey to light green (epodote ?) bads, garnetiferau. to 5-10% over first 1.5m, soft c Chlachie in part, good bauling mainly w to w some nerrow Xn's a 45, top ctct of 45, possibly sheared, 22.9-24.0 - Ote Augen Ginise band. As previously described, tap cht shap & to, him ctet indefinite, cut c offset by shr. w 25 Dicetts Dirfe: dark grey, m.g.; massive, winform, histitic, harren, chits shorp estraight a 60 e 45, Harren chits shorp estraight bistitic, barren, chits shorp estraight bistitic, barren chits shorp estraight bistice con bistice con bisti	DESCRIPTION     MINERALIZATION     SAMPLE       HOENFELS:     clock green w. abund	DESCRIPTION     MINERALIZATION     SAMPLE     FROM       HOENFELS:     dark     green     w. abund.	DESCRIPTION     MINERALIZATION     SAMPLE     FROM     TO       HOCHFELS:     clark green w. abund	DESCRIPTION     MINERALIZATION SAMPLE     FROM TO $HQENEFELS:$ $dark$ $green$ $u$ $ahund$ $u$ $Iight$ $yrey$ $to$ $light$ $yrey$ $Iight$ $first$ $light$ $yrey$ $Iight$ $first$ $light$ $yrey$ $Iight$ $first$ $light$ $green       Iight first first light Iight green     green     green       Iight green     $	DESCRIPTION     MINERALIZATION SAMPLE     FROM     TO     m       HOEDLEELS:     dark green w. abund	DESCRIPTION     MINERALIZATION     SAMPLE     FROM     TO     m       HOEVIETES:     Clark green w. Abund     Image: Same first green     Image: Same first green     Image: Same first green     Image: Same first green       (epudite ?')     Kody garantiferau     Image: Same first first green     Image: Same first green     Image: Same first green       (epudite ?')     Kody garantiferau     Image: Same first first green     Image: Same first green     Image: Same first green       (epudite in part, geed bending     Image: Same first first green     Image: Same first green     Image: Same first green       (epudite in part, geed bending     Image: Same first first green     Image: Same first green     Image: Same first green       (epudite in part, geed bending     Image: Same first first green     Image: Same first green     Image: Same first green       (first first first green     Image: Same first first green     Image: Same first green     Image: Same first green       (first first first green     Image: Same first first green     Image: Same first green     Image: Same first green       (first first first first green     Image: Same first green     Image: Same first green     Image: Same first green       (first first first first first green     Image: Same first green     Image: Same first green     Image: Same first green       (first first green     Image: Same first green     Image: Sam	DESCRIPTION     MINERALIZATION SAMPLE     FROM     TO     m       HOENEEKS:     dark green w. abunt	DESCRIPTION     MINERALIZATION     SAMPLE     FROM     TO     m       Hackbarrent

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# diamond drill core log – sample record $\sim$

DEPTH	DIP	BEARING AST.	PROPERTY	SAM GROUP			CLAIM.	SAM #	2 HOL	E NO.	R-8	<b>Y</b> -03		
COLLAR	47/2	5-40°W	LATITUDE	00000 - H STAL	rted	<u>981-0</u>	6 - 03	•	Cof	E SIZE	<u> </u>	7		
				10111.0 - E. FINI										
			ELEVATION		L LENGTH	и <i><u>5</u>Ц</i>	0,0 m		 	· VELOTE	Jay		ulur.	, 
DEPTH	<u></u>	DESCRIPTION	<u>a</u>	MINERALIZATIC		FROM	το	m	T				<u>T</u>	<u> </u>
0.0	CASING	: shik up 0.	ām, casing pu	stled										
		· · · · · · · · · · · · · · · · · · ·	/					<u> </u>	<u> </u>					
4.8	FELDSP	AR-BIOTITE G	NERS: med	cred,	_			<u> </u>	<b> </b>				- <u> </u>	┛
			greenis	h				<b> </b>	<u> </u>	<u> </u>		<u> </u>	ļ	_
	Cast	f.g. to m.g. w	<u>lominations</u>					+		- <b> </b>				
		< I and, well					-	+				- <u> </u>		
	/·	<u>35, appreciable</u> Mable_with_lan	<b>-</b> , , , , , , , , , , , , , , , , , , ,		_			·					+	
	-	iserminations of		75				+					<u> </u>	
		tes Cry, hord					<u> </u>							
		rock mainly						+	<u> </u>		+		<u> </u>	
	5-10%	biohta or brom	zeite lammah	16.15								<u> </u>		
		Fracturing a low						1			+		1	
			• •									1		
2.6	HORNEL	ELS: dark gree	n mussive A	40										
											Ì			
	fair be	mal gray	anior Pho. as					<u> </u>		<u> </u>				
		grains & bleb			_	· · · ·				ļ			L	
	w gtz.	strs, muser gr	en white car	<u>h.</u>						<b> </b>	<b>_</b>	ļ	<u> </u>	
	W. atz.	strs. + us nori	all irrea str	~				<u> </u>	 		<u> </u>			_
	heating	we Prochuses	<u>sub paraile</u>	/							<u> </u>		ļ	
	to lore	enis, grade	to yuestart	te;						ļ		ļ	ļ	
		n gtz sharp w s						<b> </b>		ļ	<b> </b>			
<u>?.</u> 3	Core & il	is placed by carb	filled stiput to a	ure,				<u> </u>		<u> </u>	<u> </u>			-

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DIAMOND DRILL CORE LOG - SAMPLE RECORD

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PROPERT	YSAM GROUP	HOLE No.	· 81-0-	?		;	SHEET N	No2	, 	of <u>Ĵ</u>	
DEPTH	DESCRIPTION	MINERALIZATION	SAMPLE	FROM	то	m					
10.6	HORNFELS (confid) Plio. blehs	• •									
	along fracture,				·					<u> </u>	
	13.1-20 cm glassey white att.		ļ							<u> </u>	<u> </u>
	top det blocky a appx 30,									<u> </u>	ļ
	blm ald broken a 35,							L		ļ	<b></b>
						ļ			ļ		
13.3	QUARTZITE: Med. grey f.g. mussive		: 								ļ
	to wely banded a	·····	<u> </u>				ļ			<u> </u>	┟───
	to wely banded as 30-35, barren, froutured, blacky		<u> </u>			ļ				<u> </u>	
	· · · · · · · · · · · · · · · · · · ·							L		<u> </u>	└──
	18.0-21.3 - speared Quarterite,	<u></u> <u></u>					<u> </u>				
	similar to foregoing Xn		 					 	ļ		
	but w 15-20% grey gtz 05		<u> </u>					 	ļ	ļ	<u> </u>
	rude buck & cree lensy frogments,									ļ	<u> </u>
	poorly handed as 40, overall wely									ļ	ļ
·	stil fragmental appearance, bim.					ļ			ļ	ļ	<b>_</b>
	chit sharp as 30, minut fine	· · · · · · · · · · · · · · · · · · ·	<u> </u>	 					ļ		<u> </u>
	dissen. Pho.		ļ			<b> </b>				<b></b>	ļ
			 	ļ						·	<u> </u>
21.3	DICEITE DIKE: dork grey, M.g.		<b> </b>			<b></b>			<b> </b>	<u> </u>	└──
l	massive, ciniterm,		<b>  _</b>	- Tel						<u> </u>	<b></b>
	Biotitic acc. bleb Pho, htm.			· *.*					<b> </b>	<b>_</b>	<b> </b>
L	chet. sharp a 30-35.		<b> </b>			ļ		•		<u> </u>	
			 	-					ļ		ļ
25.5	QUANTZITE: med. grey, F.g. near.					L					<u> </u>
	massure with raly							<u> </u>	<u> </u>		
	U. at housing a 30,	•								•	

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DIAMOND DRILL CORE LOG -- SAMPLE RECORD

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PROPER	YSAM GROUP	HOLE No.	2-81-	03			SHEET I	No	3	of	,
DEPTH	DESCRIPTION	MINERALIZATION	SAMPLE	FROM	то	m	Aц		1	1	
23.5	QUARTZITE (contil) barren servitic	minui Phor Py	098	23.5	27-5	4.0	.003				
	Bandis to 5-10%		L			<u> </u>		İ		<b></b>	<u> </u>
	interbande gressie matil near	et	099	27.5	51.5	4.0	.502	<u> </u>	<u> </u>	<b></b>	
	end X"			-		<b> </b>		<b> </b>	<u> </u>	<b> </b>	<b> </b>
31.3	GARNENFEROUS FREIDSPAR - BIONTE GUEIS										
	med. to light grey, m.g., excellent										<b> </b>
	banding a 25-40, precleminantly 30, uniform 5% scutul m.g. pink										
	uniform 5% sculul m.g. pink		} 	·		 			 	<u> </u>	<u> </u>
	garnels, our blue grey gtz. 'eye',		·							<u> </u>	<u> </u>
42.3	HOPHITELS: Jark grey to greenish; f.g., foir banding a									ļ	
	F.g., Foir banding a	 	· 					· 	 	┨────	<b> </b>
	25-30, mulor scaled Pho. is occ.								<u> </u>		<b> </b>
15.3	BIOTITIC QTZ EXE SCHIST: Med.									·	
	mp. to c.g. blue grey gtz eyes' to 5%, excettent bending a 30,		 		<u> </u>						<b> </b>
	Stra det. sharp a 25, horren,		¦ 	16 5	<u></u>						<b> </b>
	DIM. CICI. SHUPP W 23, NUTTER,	······································								<u> </u>	
17.8	HORNFELS: dork grey w. greenish							•			
	HoestELS: Jork grey w. greenish cost, f.g. to m.g., missive to fair handing w. 30, barren			•							
	to tair banding as 30, barren										<b> </b>
	END OF HOLE									<b></b>	
2020	I-NO OF TOLE		}	L						I	<u>I</u>

# diamond dril $\Theta$ core log – sample record $\mathbb{O}$

DEPTH		BEARING AST. $N - 40^{\circ} - E$	PROPERTY SAM										
			LATITUDE 10050										
			ELEVATION	4 10 TOTAL	LENGTH	. <i>33</i> .	0 m		LOGG	ED BY	. Jaryl	Mu	JUJ.
DEPTH		DESCRIPTION		MINERALIZATION	SAMPLE	FROM	TO	m					J
0,0	CASIN	6: strek up 0.81	n, casing pulled	<u> </u>									
5.4	HORNE	ELS' dark green	to mod. great		1		·····						
ļ		<u>green, f.g. h</u> e to crudely b						<u> </u>					•
	1	40 cm strangly grey carb.	oromni yo.		·								
		25 cm. otz rich	section, fait										
		banding as 45-5	0,										
		Crise bleb Pho e						+					
ļ	+ ale	y giz. carb str. 1 19 fracture a b.	o,										
101	QUAR:	TZITE: medium	grey, f.g.	· · · · · · · · · · · · · · · · · · ·									
		fairly um	Form, well										
	Baarlee	fairly un los 55-65, ban rod appearance	ren, wkly.				<u></u>						
	Tralfu	<u>rea appearance</u>	OVER FIRST SOLM		·	4	<u>,</u>						
12.3	HORN	ELS: mainly dar	Ł green w.			•.• [•]							
		<u>medium g</u> <u>itii bands, f.g.</u> ly huded as 60, g e, non uniform	Nrey grean										
	granul to wh	the budget alla	rom.g, Mossive										<u> </u>
	patchi	e, non uniform	as pert, sulphiles										
20,4	as 10	ted.											

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APPENDIX NO. 4

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DIAMOND DRILL CORE LOG - SAMPLE RECORD

PROPER	TYSAM GROUP	HOLE No.	2.81-	04		1	SHEET	No		of <u>3</u>	
DEPTH	DESCRIPTION	MINERALIZATION	SAMPLE	FROM	το	m	Си	Co	NI	Au	Aq
12.3	HORNFELS: (contid)										
	13-3-14-2 - M.g. Grenulitic had,								<u> </u>	1	<u> </u>
	oppi. equal dark green					<u> </u>	 	ļ	<u> </u>	<u> </u>	<b>_</b>
	Ferramage w. light great felds,		<u> </u>		ļ					<b>_</b>	<u> </u>
	appreciable fine corb barren							<u> </u>			<b></b>
<del></del>	15.8-16.8- granulite band similar		ļ	<u>.</u>		<b>_</b>		ļ	<b>_</b>	<b>_</b>	
·	to above, only U. minor								<u> </u>	<u> </u>	<u> </u>
	corb-noted,							 	ļ	<u> </u>	<u> </u>
	19.0 - 35 m sulphide bad in 25%	Foir Phon Cpy	100	18.5	20.5	2.0	.03				<b> </b>
·	Pho e miner Cpy					ļ			<b> </b>	· [	╡╴
									┨	───	╉───
20.4		Mintor Apo & Ry	17/	20,5	22.5	2.0	.01	+		+	<u> </u>
	obund. m.g. white phenos. of ployuclase in f.g. grey green		i					<u> </u>		<u> </u>	╁
<u> </u>	pratrix, siliceous & banded w 55-60	Concerts.	4.1					- 7-	10	.004	.00:
	at both contacts, scand irreg. cont.	L'OMPOSITE							102	.004	1.000
<u>,</u>	stos, minor dissen. sulphides,								1	1	<u> </u>
22.3	HOENFELS: Jork green to med. grey	foir Alor Ry we (py	172	22.5	25.5	3.0	.12	1			
	gieen, f.g. to m.g. mussive to										
	cekly bandad a 60-65, fair Pho. in	Four Pho, strong Py.	173	255	27.5	20	.02				
	restricted buts & crse Ry in grow carb.	,,,,									
	strs, first 1.3 m soft, chlustic,							•	}		1
	23.7 - stip w 1-1.5 cm white corb. str.			-							
	Fellows core for 70 cm										
	31.0 - 33.0 - mighty stliceous, well handed,										
33.0	pyrifie carb. strs.										

DIAMOND DRILL CORE LOG - SAMPLE RECORD

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PROPER	Y. SAM GROUP	HOLE No.	81-09	4	<u></u> ,	\$	SHEET I	No	(	of <u> </u>	
DEPTH	DESCRIPTION	MINERALIZATION	SAMPLE	FROM	TO	m					
					-						
	QUARTZITE: mod. to dark grey, F.g., well banded a 60-70, barren										
	a 60-70, barren									ļ <u></u>	
35.0	END OF HOLE			 				ļ		<u> </u>	
								ļ		 	
			 					<u> </u>	 		
·····	· · · · · · · · · · · · · · · · · · ·										
	· · · · · · · · · · · · · · · · · · ·		! 					<u> </u>	<b> </b>	<u> </u>	
	· · · · · · · · · · · · · · · · · · ·						 	<u> </u>	<b> </b>	 	
									<u> </u>		
	· · · · · · · · · · · · · · · · · · ·										
	· · · · · · · · · · · · · · · · · · ·		·					 	<b> </b>	ļ	
		· · · · · · · · · · · · · · · · · · ·		<u> </u>	···-·				<u> </u>	}	
				· · · · · ·	· · · · · · · · · · · · · · · · · · ·					<u> </u>	
				<u> </u>	<u></u>		····			<u> </u>	
<b> </b>		· · · · · · · · · · · · · · · · · · ·	<u> </u>							<u> </u>	
			+	it, y			<u>-</u>	<u> </u>			
<b> </b>	1		+					   .		<u> </u>	
			<u>-</u>								
					· · · · · · · · ·		·				
<b>├</b> ──										<u>}</u>	
<u> </u>								[		···	
<b>L</b> .		L	<u> </u>	l	l				L	!	L

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# diamond dril $\hat{\mathcal{O}}$ core log - sample record

LATITUDE       222.231       STARTED       222.234       CORE SIZE 5.Q         DEPARTURE       LOCSI.2E.       FINISHED       224.25.1       SECTION       224.25.1         DEPARTURE       LOCSI.2E.       FINISHED       224.04.05       SECTION       224.25.1         DEPARTURE       LOCSI.2E.       FINISHED       224.05       SECTION       224.25.1         DEPARTURE       LOCSI.2E.       FINISHED       224.00       SECTION       224.25.1         DEPARTURE       LOCSI.2E.       FINISHED       224.00       SECTION       224.25.1         DEPTH       DESCRIPTION       MINERALIZATION SAMPLE       FROM TO       MINERALIZATION       SAMPLE         O.O       CASING:       Stick up       0.5m, Casing       pulled       Iococed       Iococed         3.0       HORNFELS:       derk greg green to black,       Iococed       Iococed       Iococed       Iococed       Iococed         3.0       HORNFELS:       derk greg mentor       Stoced       Iococed       Iococed <td< th=""><th>COLLAF</th><th></th><th>BEARING AST. N-40°-E</th><th>PROPERTY 544</th><th>GROUP</th><th></th><th></th><th></th><th>5AM #4</th><th>e holi</th><th>e no. 4</th><th><u>C-8 -</u></th><th><u>05</u></th><th></th></td<>	COLLAF		BEARING AST. N-40°-E	PROPERTY 544	GROUP				5AM #4	e holi	e no. 4	<u>C-8 -</u>	<u>05</u>	
DEPTH     DESCRIPTION     LOCAL STATION     LOCAL STATION     LOCAL LENGTH     LOCAL CO     LOCAL CO       DEPTH     DESCRIPTION     MINERALIZATION SAMPLE     FROM TO     m     CU. CO     W     AU       O.O     CASHIG: stick up o Sin, casing pulled.     mineralization sample     FROM TO     m     CU. Co     W     AU       3.0     Hoeurress' dork grey green to block, fig.te m.g., cassing to     m     m     m     m     m       Poorly homided as 60, 5-10 fig.te m.g., cassing to     m     m     m     m     m       Poorly homided as 60, 5-10 fig.te m.g., cassing to     m     m     m     m       Poorly homided as 60, 5-10 fig.te m.g., cassed     m     m     m     m       Local star.e     block, etc.grey white     m     m     m       Cast.star.e     block, usually at     m     m     m     m       Universe to basing, fair to strong     m     m     m     m       Sulphides, manity Plue, as pated,     m     m     m     m       A.o. integ grey white gre.of block grey figures the fair stablishe ITA 4,5 7.5 3.0 .01     m     m       Sulphides, manity Plue, as pated,     m     m     m     m       Sulphides, manity Plue, as pated,     m     m     m							•							********
DEPTH     DESCRIPTION     MINERALIZATION     SAMPLE     FROM     TO     m     CU.     Co     W     Au       0.0     CASSUG: stick up 0.5m, casing pulled.     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -													T)	ſ
0.0 CASING: stick up 0.5m, casing pulled. 3.0 Hacurets: dark grey green to block. F.g. to m.g. massive to poorly handed as 60, 5-10% scotd irreg, punktik garnet hinds. C. m.g. to F.g. Xi S., minor scalid grey white coreb. stre. o bloks would at warmen to bandwy, fair to strong supplicides, mainly the, as noted, block chi, sharp as 35, with blair scottlike 174 4,5 7.5 3.0 .01 a. 0. irreg grey white git bilaway Conversion #2 for to good Pho. 115 7.5 9.5 2.0 .05 - a 40-30 get function a. 0. irreg hue grey grey for to good Pho. 115 7.5 9.5 2.0 .05 - a. 0. irreg hue grey grey for the grey for to good Pho. 115 7.5 9.5 2.0 .05 - a. 0. irreg hue grey grey for to good Pho. 115 7.5 9.5 2.0 .05 - a 40-30 get for some grey for the grey for the good Pho. 115 7.5 9.5 2.0 .05 - a 40-30 a. 0. irreg hue grey grey for the grey for the good Pho. 115 7.5 9.5 2.0 .05 - a 40-30 a. 0. irreg hue grey grey for the grey for the good Pho. 115 7.5 9.5 2.0 .05 - a 40-30 a. 0. irreg hue grey grey for the grey for the good Pho. 115 7.5 9.5 2.0 .05 - a 40-30 a. 0. irreg hue grey grey for the grey for the good Pho. 115 7.5 9.5 2.0 .05 - a 40-30 a. 0. irreg hue grey grey for the grey for the good Pho. 115 7.5 9.5 2.0 .05 - a 40-30 a. 0. irreg hue grey grey for the grey for the good Pho. 115 7.5 9.5 2.0 .05 - a 40-30 a. 0. irreg hue grey grey for the grey for the good Pho. 115 7.5 9.5 2.0 .05 - a 40-30 a. 0. irreg hue grey grey for the grey for the good Pho. 115 7.5 9.5 2.0 .05 - a 40-30 blance for for for the good Pho. 115 7.5 9.5 2.0 .05 - a 40 - 30 a 40 - 30 blance for for for for for the good Pho. 115 7.5 9.5 2.0 .05 - a 40 - 30 blance for				HILEVATION	TOTAL	LEINGTH				LOGO	HED BY	Jayl	Min	jlij_
3.0 HornFreis' dork grey green is block, F.g. to m.g. massive to Pecily handed as 60, 5-10% scold irreg, pinkith garnot buch. 6 m.g. to C.g. Kur, minor scold grey white carb. skr. e blobs would, at voriance to banding, fair to strong subplices, mainly Plic, as noted, blm. clut. sharp as 5; 4.0 - irreg grey white gth fallowing Carpornia *2 as 40-50 9.8 Quartz Aucen Greens: mal grey, prophysolastic u. Ly in E.g. blankit panded matric; uniform, blm. clet. sharp a p. harea,	DEPTH		DESCRIPTION		MINERALIZATION	SAMPLE	FROM	το	m	Cu.	60	N/	Au	Ag
F.g. to m.g. massive to         poerly banded as 60, 5-10° fracted         ineeg. pinkish gainet bade. e m.g. to         F.g. Kuts., minor secold grey white         carb. star. e blobs usually at         uariance to bandwy, fair to strong         sulphides, mainly Pho, as noted,         btm. cht. sharp as 35;         at blobs usually at         carb. star. e blobs usually at         uariance to bandwy, fair to strong         sulphides, mainly Pho, as noted,         btm. cht. sharp as 35;         at blobs usually at         core for 30 cm, finat 20 cm         bir log to model at 20 cm         bir log to model at 20 cm         as 40-50         blue grey grey white grey file         as 40-50         blue grey grey white grey file         as 40-50         blue grey grey grey grey grey grey grey gre	0.0	CASING	: stick up 0.5m.	casing pulled.										
F.g. to m.g. massive to         pocely handed as 60, 5-10% sectod         ineg. punktik gainet hads. e m.g. to         E.g. Nute, moor sectod grey white         cark. star. e bloks usually at         wariance to banding, fair to strong         sulpluides, mainly Plie, as noted,         blow, chil. sharp w 35;         wk blow chills         care for second grey white         sulpluides, mainly Plie, as noted,         blow, chil. sharp w 35;         wk blow chills         care for second, finat zo en         bir log and finat zo en         bir log to model         gainer Ausside for second finat         gainer Ausside for second finat         gainer Ausside for second finat         gainer Ausside for grey gley white         maxing, finat zo en         for log to m.g. finat         gainer, finat zo en         gainer Ausside for grey gley gley.         gainer Ausside for grey gley gley.         gainer Ausside for grey gley gley gley.         grey for m.g. blue grey gley banes,	3.0	HÖRNF	ELS. dork grey	oreen to block.		·				<u> </u>		1	+	<u>  </u>
irreg. pinkrik garnet buda. c m.g. io F.g. Xu.s., moor sected grey white cack. star. c bloks usually at usriance to handing, fair to strong sulphicles, mainly Pho, as ooked, btm. clet. sharp a 35, A.O. irrey grey white at following Convosine #2 care for 30cm, finat 20 cm foir to good Pho. 115 1.5 9.5 2.0 .05 as 40-50 U. Cy 9.8 Queerz Aucest Griess: med. grey. pophysolastic u. C.g. to m.g. blue grey gtr. eyes ' in f.g. bichtic honded matric; Uniform, blm. clet. sharp co 70, harres,														•
<ul> <li></li></ul>		poorly	banded as 60,	5-10% scotd							ļ			
carb. str. e blebs usually at uariance to banding, fair to strong sulphiles, mainly Phe, as noted, btm. ctil. sharp a 33; usublice gte blowing Conversions #2			1					· · · · · · · · · · · · · · · · · · ·	<b> </b>	<b>_</b>	<b></b>	ļ	ļ	
Usriance to banding, fair to strong	· · · · · ·	F.g.X	15. minor scate	d grey white						<u> </u>				
sulphildes, mainly Pho, as noted, btm. chef. sharp & 35; 4.0-integ grey white gte following Controstine #2 core for 30cm, finat 20 cm for to good Pho. 115 7.5 9.5 2.0 .05 - as 40-50 9.8 Queerz Ausen Griess: med. grey, porphysclostic u. C.g. to m.g. blue grey gtr. eyes! in f.g. bichtic handed motric; uniform, blm. ctet. sharp or to, barren,		1 .												
<ul> <li><u>htm. ch.t. shurp a 35</u>; <u>wh la fair sublitio</u> 174 4,5 7.5 3.0 .01</li> <li><u>A.O. irrey grey while gtv. following Conversions</u> <u>*2</u></li> <li><u>Core for 30 cm, finat 20 cm</u> foir to good Pho. 175 7.5 9.5 2.0 .05 <u>-</u></li> <li><u>as 40-50</u></li> <li><u>a. C.g. to m.g. blue grey glv. eyes'</u></li> <li><u>in f.g. biothtic handed matrix;</u></li> <li><u>uniform, blm. ctcl. sharp a po, howes,</u></li> </ul>		ر I												
A.O. irrey grey white gtv. following Carrosine *2 Tr. 01.004. Core for 30cm, finat 20 cm foir to good Pho. 115 7.5 9.5 2.0.05 as 10-50 w. Cpy 9.8 Queerz Ausen Gners: mod. grey, porphysoclastic u. c.g. to m.g. blue grey gtz. eyes '		r (	- · ·	-	ust to fair scubiltho	174	45	75	3.0	.017	<u> </u>		<u> </u> -	┟╌╌─┤
core for 30cm, finat 20 cm       foir to good Pho.       115       7.5       9.5       20.053         as 40-50       w. Cp.       u. Cp.       u. Cp.       u. Cp.       u. Cp.         9.8       Quaerz Aucen Griess: mod. grey,       u. Cp.       u. Cp.       u. Cp.         u. C.g. to m.g. blue grey gtz. eyes '       u. Cp.       u. Cp.       u. Cp.         u. C.g. to m.g. blue grey gtz. eyes '       u. Cp.       u. Cp.       u. Cp.         uniform, blm. ctel: sharp o To, barren,       u. Cp.       u. Cp.       u. Cp.								<u></u>	12,2	,	- 77-	.01	.004	.05
9.8 QUARTZ AUGEN GNEISS: mod. grey. porphyroclastic u. c.g. to m.g. blue grey glz. eyes! in l.g. bioktric handed motrix; uniform, blm. ctot. shorp co 70, horres,		Co	re for social fi	nat zoem	foir to good Pho.	175	7.5	9.5	2.0	.05				
u. c.g. to m.g. blue grey gtr. eyes ' in f.g. bicktric banded matric; uniform, blm. ctot: sharp a 70, barres,		as 40-	۵		w. Épy									
u. c.g. to m.g. blue grey gtz. eyes ' in f.g. bichtic handed matrix; uniform, blm. ctat. sharp a 10, harren,					· · · · · · · · · · · · · · · · · · ·					 	·	<b></b>		
uniform, blm. ctot. sharp a jo, barres,	9.8	QUREL	Z AUGEN GNEIS						<u> </u>			<b> </b>		
in f.g. bickhir handed matrix; uniform, blm. ctot. sharp a 10, harren,			· · · · · ·	<u>por phyroclastic</u>		·	, <u>,</u>					<b> </b>		
		<u>u. c.g.</u>	to m.g. plue q	rey orz. eyes			. "				<b> </b>			
		<u>ra t.g.</u>	<u>BIEHHE BANded</u>	1 matrix;	·····			<u> </u>					<b> </b>	
BA HARMERIS: black to Jack and to		Unitorn	<u>, ptm. cret. shar</u>	p as to, barren,				·	<u> </u>					V
KONT HUMATEN. DIVIL TO AUTE GIEGTO	13.4	HORME	ELS: black to	dark grey to				<u></u>						
Ve.7 generally well handed as 60-80,		<b> </b>	med. grey	grein,								ļ		
Ve.7 generally well handed as 60-80,	16.7	general	lly well handed	@ 60-80,	·						L			

 $\sum_{i=1}^{n}$ 

DIAMOND DRILL CORE LOG -- SAMPLE RECORD

<u>(</u>);

PROPERT	Y SAM GROUP	HOLE No	HOLE No. <u><i>R-81-05</i></u>				SHEET No.				
DEPTH	DESCRIPTION	MINERALIZATION	SAMPLE	FROM	то	m	Cy	Co	NI	Au	Aa
13-4	HORNFELS (control) includes strong	strong the w. Cpu	176	13.5	16.5						
	Plos. min. w. lesser irreg Cpy potches,	COMPOSITIE	<i>#</i> 3		· · · · · · · · · · · · · · · · · · ·			0/	Tr.	.004	.05
	GRANULITE: med. gray green to	Foir Pho. W Cpy	171	16.5	18.0	1.5	.07	 			
1	dork areen, mattled, m.o.	7.5									
	massive, mainly barren, moderate fine corb, fairly uniform, fair Pho.							<u> </u>			
	W. scatil, patchy Cpy over First 1.0m, btm. ctat. a 50										
23.4	HOENFELS: quartactic in part, dark							ļ			
	several conformable att bross to 3 cm,										
	generally well handed a 60-75,										
	tranor Py in cont. along stips,	· · · · · · · · · · · · · · · · · · ·									
25.8	GRAHULTE: medium grey, m. g. Fair									 	
	banding a 65-10, uniform,			14	··			·			
27.2_	HORNFELSI 115 For section 23.4-25.8			4.*							
28.7	Diagite Dike: dark grey m.g. to f.g.			•							
	uniform, mossive, herren.					 					
29.7	etds. a bo, abund. biolite,	,									

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DIAMOND DRILL CORE LOG -- SAMPLE RECORD

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PROPER	rySay GROUP	HOLE No. R-a	<u>81-05</u>		<u> </u>		SHEET	No	P	of <u>ਤ</u>	
DEPTH	DESCRIPTION	MINERALIZATION	SAMPLE	FROM	то	m		Τ		T	Ţ
29.7	FELDSPAR - BIOTITE GALEISS: med. gray,	•								-	
	<u> </u>							<u> </u>			
	lansingtions to 3 min, fairly										
	uniform, barren, small drag folds 0 30.9, few scaled dark grey, m.g. equigranular garnetiferous(?) Eroots trancating laminations								<u> </u>		
	0 30.9, few scand dork grey								<u> </u>		
	m.g. equigranular garnetiferous(?)										
	Erots trancating Taminations						ļ	<b>_</b>			
								<u> </u>		<u> </u>	ļ
<u> 34.8</u>	END OF HOLE	·······					[	ļ	ļ	ļ	ļ
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# diamond dril $\hat{\Box}$ core log – sample record $\hat{\Box}$

DEPTH	DIP .90°	BEARING AST.	PROPERTY	M GROUP		(	LAIM -	SM Z	HOL	E NO	R-8	1-06		-
			LATITUDE											•••
			DEPARTURE 100	<i>50.1 - E</i> finish	ed 124	91-06	-10		SEC	NOLI	99.4	75 -11	, 	. 44
			ELEVATION 002	5 m TOTAL	LENGTH	25	0 10	****	. rocc	ED BY	Jayl.	Mun	lut	•
DEPTH		DESCRIPTION		MINERALIZATION	SAMPLE	FROM	TO	m					b l	<u>ן</u>
00		stick up 0.5m				_		-						
2.2	HOENF	TELS: med grey	green to doit.	····	· · · · · · · · · · · · · · · · · · ·		· · · · ·						1 •	
	garnet	green, sco s, whe to good mulitic over fin plm. clat as 63	banding as							+		<u> </u>		┥
	55. gr	mulitie over fin	al SD cm.											
	<u>barren,</u>	ptm. ctct a 63	5											
10.7	QUBET	2 AUGEN GNED									<u> </u>			
· · · · ·	10. Dron	ninent'eyes' p htic feldspothic	porphyrachistic				<del></del>		 					-
	in bior	the feldspathic	matrix, fair											
	banding	2 00 65-70, be	ncren											_
16.2	HOENF	ELS: dark gree	n to light	·····										
	in boou	<u>creamy gra</u> ly defined hade	ey, il liberd min.											-
	as 70-					14	· · ·							1
17.2	QUART	2 AUCEN GNER				·.*								
21.7	Horne	ess: med to do.	described, it green to				<u> </u>		·					-
		Creamy grey	green 05	-										
	previous	a bo,	btm. chit.											
23.1/	sharp	a 60,							,					

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	O DIAMOND DRIL	ILL CORE LOG SAMPLE									
PROPERT	ry SAM GROUP	HOLE No. <u>R-81-06</u>				- SHEET No. <u>2</u> of <u>2</u>					
DEPTH		MINERALIZATION	SAMPLE	FROM	то	m					
23.1	DIORINE DIRE: dort grey, m.g. to f.g. mossive, bichtre, barren, btm. det broken				•				<u> </u>		
	f.g. mossive,					<b> </b>					<b>_</b>
	biotitie, barren, blm. det broken		<u> </u>								
<b></b>	æ 60,		:			<b> </b>		<u> </u>		<u> </u>	
713	HABUFFIS of for section 21.7-23.1		<u> </u>			┟┄╌╼╌	<u> </u>	<u> </u>			<del> </del>
<u>(, / 2</u>	HORNFELS: OS For section 21.7-23.1 Foir bonding as 50, bouren					<u> </u>			<u> </u>		<u> </u>
25.0	END OF HOLE		 								
	·		 						<u> </u>		<b></b>
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•			<u> </u>						<u> </u>		<u> </u>
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Member Canadian Testin Association		PHONE: (I	RCH & AS NS CANADA HIGHW V1S 1A7 504) 372-2784 — TEL FIFICATE OF	VAY — KAML EX: 048-8320	LOOPS B.C.	TORY I	LTD.	GEOC	ICENSED A HEMICAL A	NALYSTS
TO	1335 Todd Road Kamloops, B.C.						Date		8, 1981	
لد	hereby certify that the for	llowing are the resull	s of assays made	by us upor	n the herein	described	I	S	amples	
Kral No.	Marked	Cu								
1 2 3 4 5 6	092 093 094 095 096 097									APPENDIX NO. 7 (1)

NOTE: Rejects retained three weeks. Pulps retained three months unless otherwise arranged.

 $\propto$ ----Registered Assayer, Province of British Columbia



# KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

2095 WEST TRANS CANADA HIGHWÀY --- KAMLOOPS B.C. V1S 1A7 PHONE: (604) 372-2784 --- TELEX: 048-8320 CERTIFICATE OF ASSAY

## B.C. LICENSE ASSAYERS GEOCHEMICAL ANALYSTS METALLURGISTS

TO Mr. Jay Murphy

1335 Todd Road

Kamloops, B.C. V2L 5B4

I hereby certify that the following are the results of assays made by us upon the herein described ______ samples .

Kral No.	Marked	GOLD	SILVER	Cu	Со	Ni				
		Ounces Per Ton	Ounces Per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1 2 3 4 5 6 7 8 9 10	098 099 100 171E 172E 173E 174E 175E 176E 177E	.003 .002       	•	- .03 .01 .12 .02 .01 .05 .06 .07			-	•		
	1 2 3	.004 .004 .004	.03 .05 .05		TR TR .01	.02 .01 TR				

NOTE:

Rejects retained three weeks. Pulps retained three months unless otherwise arranged.

Registered Assaver, Province of British Columbia

Certificate No. __K-4141____

Date _____ June 17, 1981



ΤO

# KAMLOOPS RESEARCH & ASSAY LABORATORY LTD.

2095 WEST TRANS CANADA HIGHWAY — KAMLOOPS B.C. V1S 1A7 PHONE: (604) 372-2784 — TELEX: 048-8320 CERTIFICATE OF ASSAY



Certificate No.	K-4302
Certificate No.	

Date <u>July 31, 1981</u>

samples

Kamloops, B.C. V2L 584

Mr. Jay Murphy

1335 Todd Road

I hereby certify that the following are the results of assays made by us upon the herein described _____

Kral No.	Marked	GOLD	SILVER	Cu						
		Ounces Per Ton	Ounces Per Ton	Percent	Percent	Percent	Percent	Percent	Percent	Percent
1 2 3 4 5 6	001 002 003 004 005 006	.005 - - - -	.03 - - - -	.12 .39 .14 .12 .14 .14						
	>									

Rejects relained three weeks. Pulps retained three months unless otherwise arranged.

Registered Assayer, Province of British Columbia

APPENDIX NO. 8 (1)

Kamloops /~5*Search & Assay* Laboratory Ltd.

**B.C. CERTIFIED ASSAYERS** 

2095 WEST TRANS CANADA HIGHWAY — KAMLOOPS B.C. V1S 1A7 PHONE: (604) 372-2784 — TELEX: 048-8320



To _	Mr. Jay Murphy	
	1335 Todd Road	
	Kamloops, B.C.	
	V2L_5B4	
		_

Date: _____ August 31, 1981___

File No.: <u>K-4141</u>

## SEMI-QUANTATIVE SPECTROGRAPHIC ANALYSIS CERTIFICATE

Fe, Mg, Ca, Ti, Na, K, Si, Al and P reported in %: all other elements reported in ppm.

Element	Lower Detection Limit	Sample # 1	Sample #	Element	Lower Detection Limit	Sample#	Sample #
Au Ag Cu Pb Zn Mo Fe W Ni Co Cr Cd As Sb Mn V Bi Sn	10 .5 5 10 200 5 0.05% 50 5 10 20 200 100 10 10 10 10 10	N 500 20 N N 5.0 N 20 50 50 50 N N 3000 100 N 50		Zr B Ba Be La Nb Sc Sr Y Ca Mg Ti Na K Si Al P	10 10 10 1 20 10 5 100 10 0.05% 0.02% .001% .02% .5% 1% .5% .1%	1 70 15 100 3 N 5 500 N 5.0 0.5 0.15 1.0 N 300 2.0 N	

N — Not detected

L — Detected but below limit of determination

G — Greater than value shown

This certificate refers to analysis performed by Specomp Services. Values expressed in these analyses may be considered accurate to within plus or minus 35 to 50% of the amount present.

Signed