

# 5437

SUMMARY REPORT

- on -

EXPLORATION AND DIAMOND DRILLING

- on the -

ASITKA PEAK PROPERTY

Omineca Mining Division,  
British Columbia

94D/9W

- for -

NOMAD MINES LTD. (N. P. L.),  
#502-470 Granville Street,  
VANCOUVER, B. C.

COVERING: Asitka #1 - #26 inc., Asitka #28 - #70 inc.,  
Asitka #1 Fr. - #8 Fr.

WORK PERFORMED: August 1st. - November 3rd., 1974.

LOCATED: (1). 56°36'N, 126°24'W.  
(2). NTS Map 94D/9W.  
(3). Near Asitka Peak, 10 miles west of  
Johanson Lake Airfield.

Department of Mines and Petroleum Resources  
Prepared by: JERRY C. DAWSON & ASSOCIATES LTD.,  
#1-219 Victoria Street,  
KAMLOOPS, B. C.

ASSESSMENT REPORT  
NO. 5437 MAP ..... J. M. Dawson, P. Eng.,  
November 3rd., 1974.

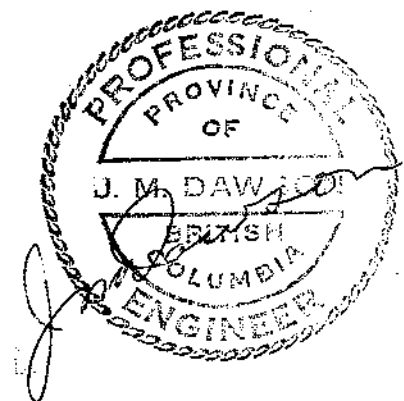


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Department of  
 Mines and Petroleum Resources  
**ASSESSMENT REPORT**  
 NO. 5437 MAP 1

TO ACCOMPANY A REPORT  
 BY J.M. DAWSON P. ENG.

**NOMAD MINES LTD. (N.P.L.)**  
**LOCATION MAP**  
 ASITKA & BOB CLAIM GROUPS  
 OMINECA MINING DIVISION - B.C.

DATE: SEPTEMBER 1973	SCALE: 1" = 120 MILES
TECH. WORK BY: KERR, DAWSON AND ASSOC.	DWG. NO. 86-1

## INTRODUCTION

This report is a supplement to a previous report entitled "Geological and Geochemical Report on the Asitka and Bob Groups of Claims by J. M. Dawson, P. Eng. dated June 1st. to August 8th., 1974. The former report details a surface exploration programme completed on the property during June and July, 1974. Subjects covered in the present report pertain directly to the drilling and trenching programme completed during August and September, 1974. The reader is referred to the former report for details regarding location, access, claims, topography, history, geology and results of the previous programme.

## SCOPE OF THE PROGRAMME

From August 1st. to September 27th., 1974 a programme of road construction, trenching and diamond drilling was carried out on the Asitka Peak property. This programme was strictly concerned with the subject property. An earlier phase of bridge and road construction was carried out on open ground adjacent to the Nomad Mines property. An application for Tote Road Assistance from the provincial Department of Mines and Petroleum Resources has been filed on this previous work.

Approximately three miles of Jeep road was constructed on the claim block to provide access to proposed drill sites. Four trenches, aggregating 2,000 lineal feet were excavated in the main areas of interest.

The drilling programme consisted of four BQ sized drill holes as follows:

Hole A-1	@ 45°	- Depth 534 feet
Hole A-2	@ 90°	- Depth 610 feet
Hole A-3	@ 90°	- Depth 525 feet
Hole A-4	@ 90°	- Depth 549 feet

for a total of 2,218 feet. Unfortunately, the balance of the planned 3,000 foot programme could not be completed because of weather, personnel and mechanical problems.

All drill holes were logged in detail by the writer and the bulk of the core was split and submitted for assay. Drill logs and assay results as well as assay plans for each drill hole are included with this report.

#### DISCUSSION OF RESULTS

The trenching programme was terminated after only four shallow trenches were excavated because all tractors were commandeered by the government for work on the Omineca Road. The two trenches cut in the vicinity of Drill Holes A-1 and A-2 exposed pyrite and minor chalcopyrite mineralization similar to that present in outcrops nearby. The two trenches cut near the northwest end of the jeep road did not encounter bedrock; however, the bulldozer was taken for work on the government road before any appreciable depth could be attained.

The drilling programme had been planned to consist of six 500 foot holes; four in the main area of porphyry-type copper mineralization within the intrusive and two in the area of the northeast intrusive contact about 6,000 feet

north of Asitka Peak. In this latter area highly anomalous and coincident copper and molybdenum geochemical values are present as well as significant surface mineralization. A series of mechanical and personnel problems by the drilling contractor delayed the drilling of the first four holes and forced the termination of the programme before the two holes slated for the contact zone could be drilled.

Hole A-1 was drilled to test a strong copper geochemical anomaly. Scattered outcrops with minor copper mineralization are present on surface as well as a very prominent gossan. Rock encountered (see Log in Appendix E) was primarily moderately to slightly chloritized granodiorite with some sections indicating possible potash metasomatism. There are two areas of hybrid rock, possibly partially resorbed roof pendants or xenoliths. Pyrite is fairly common throughout the section comprising up to 20% of some 10 foot zones. Chalcopyrite is very spotty and usually occurs as narrow veinlets with or without pyrite. Traces of molybdenite were noted. Assays correlate well with observed mineralization (see figure 86-14). Two 10 foot sections assayed 0.09% Cu and one 40 foot section assayed 0.06% Cu. Gold and molybdenum values are uniformly low; the best 10 foot sections assaying 0.005 oz Au/ton, and 0.006% MoS<sub>2</sub> respectively.

Hole A-2 was drilled approximately 500 feet northwest of A-1. This hole was drilled vertically because of water problems encountered in Hole A-1. It was drilled to 610 feet to see if there was any change in alteration and/or mineralization with increasing depth. Rock type encountered in this hole is primarily a slightly chloritized greenish

gray granodiorite - frequently becoming buff to pinkish in colour. This colouration may represent potassic metasomatism. A significant part of the section (25%) consists of various types of intrusive - volcanic hybrid rock which is generally barren of any sulphides. Pyrite as a whole is much less abundant in this hole. Traces of chalcopyrite and molybdenite were noted as fracture coatings at a few locations. Assays reflect the minor copper - molybdenum content. The best 20 foot section is 0.05% Cu and most sections assayed less than 0.01% Cu. The best molybdenum assay was 0.006% MoS<sub>2</sub> over 10 feet.

Hole A-3 is vertical and located approximately 950 feet northwest of A-2. There was no geochemical response from this area; however, mineralized float and scattered heavy, pyrite - bearing zones occur nearby. The core is primarily slightly chloritized granodiorite which is frequently greenish buff to pinkish in colour. This pink colouration of feldspar is presumed to be due to potash metasomatism.

There are no xenoliths of volcanics or hybrid rock but epidote is much more common than in holes A-1 and A-2. Trace to minor amounts of pyrite are usually present and in a few cases comprises 5% or more of a 10 foot section. Minor chalcopyrite is present in a number of places usually as small blebs in a pyrite-rich stringer, or as fracture coatings near an epidote cluster or stringer. Assays correlate well with observed mineralization (see figure 86-16). There are two 20 foot sections which assay 0.1% Cu, the best 10 foot section running 0.13% Cu. One

50 foot section containing two 10 foot sections of 0.11 and 0.12% Cu respectively averages 0.07% Cu. Three of the high pyrite sections were assayed for gold but ran only trace Au. No molybdenite was noted in this drill hole.

Hole A-4 was collared in an area where several mineralized outcrops are located (approximately 1,000 feet northwest of A-3). These mineralized outcrops were exposed during the construction of the access road and gave no initial geochemical response. The core is mostly greenish gray, slightly to moderately chloritized granodiorite. There are no hybrid xenoliths; however, epidote is more dominant (possibly 5%) than in any of the other drill holes. Minor pinkish potash feldspar alteration is present over narrow widths. Minor pyrite is usually present as disseminated grains partly replacing ferromagnesian minerals or in stringers and veinlets. Chalcopyrite occurs primarily associated with pyrite - epidote rich stringers; minor magnetite is sometimes present. Traces of molybdenite are seen on some fracture surfaces in the lowermost 150 feet of the drill hole.

The overall grade of mineralization is higher in this hole than in any of the others. There are three 20 foot sections which average 0.1% Cu or better and two 10 foot sections which average 0.2% Cu or better. The section from 100 to 200 feet in depth averages 0.052% Cu and the entire length of the drill hole runs 0.035% Cu. Molybdenum values are present in trace amounts - the highest value being 0.011%  $\text{MoS}_2$  over 10 feet.



SUMMARY AND CONCLUSIONS

(1). Widespread copper mineralization is present on the Asitka Peak property; the geology and nature of the surface mineralization is typical of the peripheral area of a porphyry copper system.

(2). Geochemistry outlines most areas of surface or near surface copper mineralization but seems to stress those areas where mineralization is associated with contact or skarn environments. Molybdenum values correlate well with copper and stress the northeastern intrusive contact; however, they seem to be confined within the intrusive body. Both copper and molybdenum values in soils are most widespread along that portion of the northeast intrusive contact located on the main ridge north of Asitka Peak, and outline a northwesterly - trending zone which is largely obscured by overburden.

(3). Drilling in the central part of the property and within the intrusive has indicated the following:

(a). the epidote - pyrite - chlorite alteration assemblage is typical of the propylitic zone of alteration in a porphyry copper.

(b). scattered low grade copper values as chalcopyrite occur in a zone where pyrite can vary from trace to 25% of the rock volume - again typical of the peripheral mineralized zone of a porphyry system.

(c). trace amounts of magnetite, specularite and molybdenite are present.

(d). there are spotty occurrences of K-feldspar alteration.

(e). epidote content increases as the northeast intrusive contact is approached.

(f). overall copper content increases as the northeast intrusive contact is approached.

(4). Although copper mineralization located to date is certainly not of economic grade, the occurrence of so many criteria associated with known porphyry deposits is sufficiently encouraging to warrant further exploration, particularly:

(a). In that area of the northeast contact zone where significant surface mineralization and strong, coincident copper and molybdenum geochemical anomalies are present.

(b). In those areas both northwest and southeast along the zone of potential which are overburden covered and have been eroded up to 800 feet below the level where current surface exploration and drilling was carried out.

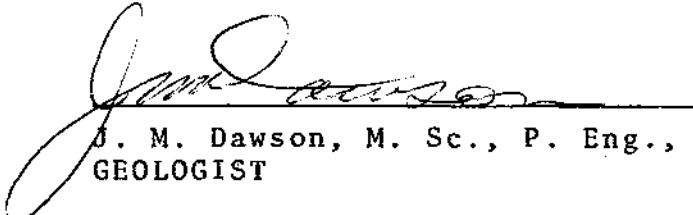
RECOMMENDATIONS

- (1). An induced polarization survey should be carried out over selected portions of the property - two lines over known mineralized areas which have been drilled and then 4 or 5 lines over those lower lying areas within the favourable zone and where higher coincident copper - molybdenum geochemistry indicates possible higher grade mineralization.
- (2). Bulldozer trenching should be done to (a) test those areas of the northeast contact zone where high Cu, Mo values in soils exist (b) try to expose any areas outlined as anomalous by the induced polarization survey.
- (3). At least two diamond drill holes should be drilled to test the northeast contact area - the location of these to be contingent upon results of trenching and the I. P. survey.



Respectfully submitted by:

KERR, DAWSON & ASSOCIATES LTD.,



J. M. Dawson, M. Sc., P. Eng.,  
GEOLOGIST

Kamloops, B. C.,  
November 3rd., 1974.

APPENDIX A

PERSONNEL

PERSONNEL

Field:

J. M. Dawson, P. Eng.	Geologist	- August 11th. - August 31st., 1974; September 10th. - September 29th., 1974.	41 days
J. Binnie	Prospector	- August 1st. - August 15th., 1974; September 1st. - September 10th., 1974.	25 days
D. Ringer	Prospector	- August 23rd. - August 31st., 1974; September 1st. - September 29th., 1974.	38 days

Office:

J. M. Dawson, P. Eng.	Geologist	- August 5th., 7th., 9th., 10th., 1974; September 20th., 1974; October 1st., 15th., 17th., 19th., 24th., 25th., 28th., 29th., 30th., 31st., 1974; November 1st., 1974.	16 days
D. Ringer	Prospector	- September 30th., 1974.	1 day

APPENDIX B

STATEMENT OF EXPENDITURES

PROGRAMME COSTS

- on -

ASITKA CLAIM GROUPS

(1). Labour:

1 Geologist (P. Eng.) 57 days @ \$125.00 per day . . . . .	\$7,125.00	
1 Prospector 25 days @ \$65.00 per day . . . . .	1,625.00	
1 Prospector 39 days @ \$55.00 per day . . . . .	<u>2,145.00</u>	\$10,895.00

(2). Expenses and Disbursements:

(a). Truck Rental		
(4 x 4) 1/2 ton Truck 50 days @ \$15.00 per day	\$750.00	
3,140 miles @ 15¢/mile	<u>471.00</u>	1,221.00
(4 x 4) 3/4 ton Truck 38 days @ \$20.00/day	\$760.00	
3,076 miles @ 25¢/mile	<u>769.00</u>	1,529.00
(std.) 3/4 ton Truck 7 days @ \$15.00/day	\$105.00	
1,375 miles @ 20¢/mile	<u>275.00</u>	<u>380.00</u>
		\$3,130.00
(b). Camp and Equipment Rental		
2 months @ \$500/month . . . . .		<u>1,000.00</u>
	CARRIED FORWARD	\$4,130.00

Programme Costs on Asitka Claim Groups (continued) . . . . . page two

			\$10,895.00
	BROUGHT FORWARD . . . . .	\$4,130.00	
 (2). Expenses and Disbursements: (continued)			
	(c). Provisions . . . . .	759.59	
	(d). Travel, board and lodging . . . . .	1,203.95	
	(e). Telephone, freight, secretarial, zerox, blueprints, etc. . . . .	527.40	
	(f). Assaying . . . . .	1,066.50	
	(g). Contract Bulldozer work D8H Model 37A 188 hrs. @ \$40/hour . . . . .	7,520.00	
	(h). Helicopter Support		
	(i) Bell 206B 17.7 hrs. @ \$302/hour	\$5,345.40	
	(ii) Bell 47G3-B2 1.5 hrs. @ \$175/hour	<u>262.50</u>	5,607.90
	(i). Contract Diamond Drilling 2,218 feet BQ wireline @ \$10.85/ft. . . . .	<u>24,065.30</u>	<u>44,880.64</u>
	TOTAL HEREIN . . . . .		<u>\$55,775.64</u>



APPENDIX C

AFFIDAVIT IN SUPPORT OF STATEMENT OF EXPENDITURES

C A N A D A

Province of British Columbia

TO WIT:

) IN THE MATTER OF the Statement  
) of Expenditures for Trenching,  
) Road Construction and Diamond Drilling,  
) on the Asitka Claims in the Omineca  
) Mining Division.  
)

I, JAMES M. DAWSON, geologist of 2753 Sunset Drive,  
in the City of Kamloops, in the Province of British Columbia,

DO SOLEMNLY DECLARE:

- (1). THAT the Trenching, road construction and diamond drilling programme on the Asitka claims was carried out under my direction.
- (2). THAT the Statement of Expenditures set out in Appendix B of my report entitled "Summary Report on Exploration and Diamond Drilling on the Asitka Peak Property" dated August 1st. to November 3rd., 1974, truly represents the amounts expended on trenching, road construction, and diamond drilling of the said claims.

AND I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

DECLARED before me at the City )  
of Kamloops, in the Province of )  
British Columbia, this 31st. )  
day of October, A.D., 1974. )  
)  
)  
)  
)  
)  
)

A COMMISSIONER for taking Affidavits  
for British Columbia.

*James M. Dawson*

APPENDIX D

ASSAY RESULTS

To: Kerr Dawson & Associates Ltd.

REPORT No A24 - 683

PAGE No. 1

**BONDAR-CLEGG & COMPANY LTD.**

DATE: Sept. 18, 1974

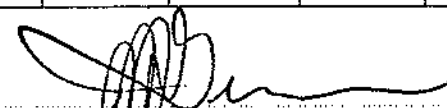
6 - 219 Victoria Street  
Kamloops, B.C.  
Attention: Mr. J. Dawson

Samples submitted: Sept. 6, 1974  
Results completed: Sept. 18, 1974

**CERTIFICATE OF ASSAY**

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

MARKED	GOLD		SILVER	Cu	MoS <sub>2</sub>						TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
<i>1045A-252-260</i> 15801	0.005			0.03	-						cc. Mr. D. J. MacLeod cc. Mr. V. F. Erickson
15802	-			0.02	-						
15803	-			0.03	-						
15804	-			0.06	-						
15805	trace			0.06	-						
15806	-			0.09	-						
15807	-			0.01	-						
15808	-			0.02	-						
<i>1045A-330-340</i> 15809	-			0.01	-						
<i>1045A-340-360</i> 15810	-			0.03	-						
15811	trace			0.02	-						
15812	trace			0.04	-						
15813	trace			0.07	-						
15814	-			0.04	-						
15815	-			0.02	-						
15816	-			0.01	-						
15817	-			0.08	-						
15818	trace			0.05	-						
15819	trace			0.04	-						
15820	trace			0.02	-						
15821	-			0.02	-						
15822	-			0.09	-						
15823	-			0.02	-						
<i>1045A-1490-500</i> 15824	-			0.02	-						



Registered Assayer, Province of British Columbia

CERTIFICATE OF ASSAY

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

MARKED	GOLD		SILVER	Cu	MoS <sub>2</sub>						TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
<i>HOLE #1 500-510</i> 15825	-			0.02	-						
<i>HOLE #1 0-10</i> 15826	-			0.02	-						
15827	-			0.02	-						
15828	-			0.05	-						
15829	-			0.01	-						
15830	-			0.02	-						
15831	trace			0.07	-						
15832	-			0.01	0.004						
15833	-			0.02	0.003						
15834	trace			0.03	0.003						
15835	-			0.01	0.004						
15836	-			0.02	0.006						
15837	trace			0.04	0.004						
15838	trace			0.07	0.005						
15839	-			0.02	-						
15840	trace			0.03	-						
15841	trace			0.01	0.006						
15842	-			0.03	-						
15843	-			0.01	-						
15844	-			0.01	-						
15845	0.005			0.02	-						
15846	-			0.02	-						
15847	-			0.02	-						
<i>HOLE #1 220-230</i> 15848	0.005			0.03	-						

  
 Registered Assayer, Province of British Columbia

To: Kerr Dawson & Associates Ltd.

REPORT No A24 - 683

PAGE No. 3

BONDAR-CLEGG & COMPANY LTD.

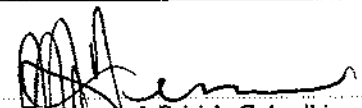
DATE: Sept. 18, 1974

CERTIFICATE OF ASSAY

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

MARKED	GOLD		SILVER	Cu	MoS <sub>2</sub>						TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
<i>230-240</i> 15849	-			0.01	-						
<i>240-250</i> 15850	-			0.01	-						
<i>510-520</i> 15851	-			0.03	-						
<i>520-534</i> 15852	-			0.02	-						

Registered Assayer, Province of British Columbia





# BONDAR-CLEGG & COMPANY LTD.

1500 PEMBERTON AVE., NORTH VANCOUVER, B.C. PHONE: 985-0681 TELEX: 04-54554

## Certificate of Analysis

TO Kerr-Dawson & Assoc. Ltd.  
9 - 219 Victoria Street  
Kamloops, B. C.

Report No. A24 - 736

Sept. 30, 1974

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

MARKED	PERCENT	PERCENT	MARKED	PERCENT	PERCENT	MARKED	PERCENT	PERCENT
	Cu	MoS <sub>2</sub>		Cu	MoS <sub>2</sub>		Cu	MoS <sub>2</sub>
Hole A-2 0-10 15753	L0.01	-	Hole A-2 310-380 15771	0.01	-			
15754	0.01	-	15772	0.01	-			
15755	0.01	-	15773	0.01	-			
15756	0.01	-	Hole A-2 400-410 15774	L0.01	-			
15757	0.05	-	Hole A-2 490-500 15775	L0.01	-			
15758	0.05	-	15776	L0.01	-			
15759	0.01	-	15777	0.02	-			
15760	L0.01	-	15778	0.02	0.002			
15761	L0.01	-	15779	0.01	0.002			
15762	L0.01	-	15780	L0.01	0.006			
Hole A-2 100-110 15763	0.02	-	15781	0.01	0.002			
Hole A-2 140-150 15764	L0.01	0.005	15782	0.01	0.002			
15765	L0.01	0.003	15783	0.01	-			
15766	0.02	0.003	15784	L0.01	-			
15767	0.01	0.005	15785	0.01	-			
15768	L0.01	0.002	Hole A-2 600-610 15786	0.01	-			L denotes 'less than'
Hole A-2 190-200 15769	L0.01	0.002						
Hole A-2 300-310 15770	L0.01	-						

### NOTE:

Rejects retained two weeks

Pre-retain-see m

BONDAR-CLEGG & COMPANY LTD.

REGISTERED ASSAYER, PROVINCE OF BRITISH COLUMBIA

9 - 219 Victoria Street  
Kamloops, B.C.

**CERTIFICATE OF ASSAY**

Samples submitted: October 1, 1974  
Results completed: October 9, 1974

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

MARKED	GOLD		SILVER	Cu	Percent	Percent	Percent	Percent	Percent	Percent	TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent							
14864	trace		trace	0.01							
A-3 7-20 15787	-		-	0.01							
A-3 20-30 15788	-		-	0.04							
15789	-		-	0.02							
15790	-		-	0.02							
15791	-		-	0.02							
15792	-		-	0.01							
15793	-		-	0.03							
15794	-		-	0.03							
15795	-		-	0.04							
15796	-		-	0.06							
15797	-		-	0.07							
15798	-		-	0.03							
15799	-		-	0.01							
A-3 140-150 15800	-		-	0.02							
A-3 150-160 17151	-		-	0.09							
17152	-		-	0.01							
17153	-		-	0.01							
17154	-		-	10.01							
17155	-		-	10.01							
17156	-		-	10.01							
17157	-		-	0.01							
17158	-		-	0.03							
17159	-		-	0.03							
A-3 240-250 17160	-		-	0.02							



To: Kerr-Dawson & Assoc.REPORT No A24 - 775PAGE No. 2

BONDAR-CLEGG &amp; COMPANY LTD.

DATE: October 10, 1974

## CERTIFICATE OF ASSAY

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

MARKED	GOLD		SILVER	Cu							TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
9-3 250-260 17161	-			10.01							
17162	-			0.04							
17163	-			0.04							
17164	-			0.11							
17165	-			0.12							
17166	-			0.05							
17167	-			0.01							
17168	-			0.02							
17169	-			0.02							
17170	-			0.01							
17171	-			0.01							
17172	-			0.02							
17173	-			0.03							
17174	-			0.08							
9-3 390-400 17175	-			0.05							
9-3 400-410 17176	-			0.01							
17177	-			0.01							
17178	-			0.03							
17179	-			0.02							
17180	trace			0.13							
9-3 450-460 17181	trace			0.07							
9-3 500-510 17182	trace			0.02							
9-4 7-20 17183	-			0.03							
17184	-			0.03							
17185	-			0.06							
9-4 40-50 17186	-			0.03							

CERTIFICATE OF ASSAY

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

MARKED	GOLD		SILVER	Cu							TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
A-4 50-60 17187				0.04							
17188				0.03							
17189				0.03							
17190				0.06							
17191				0.02							
17192				0.07							
17193				0.04							
17194				0.03							
17195				0.01							
17196				0.02							
17197				0.01							
17198				0.22							
17199				0.07							
17200				0.03							
17201				0.01							
17202				0.01							
17203				0.06							
17204				0.04							
17205				0.08							
17206				0.04							
17207				0.01							
17208				0.01							
17209				0.01							
17210				0.01							
A-4 290-300 17211				0.01							

CERTIFICATE OF ASSAY

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

MARKED	GOLD		SILVER	Cu	MoS <sub>2</sub>						TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
A-4 300-310 17212				L0.01	-						
17213				0.01	-						
17214				0.02	-						
17215				0.01	-						
17216				0.01	-						
17217				0.04	-						
17218				0.02	-						
17219				0.01	-						
17220				0.18	0.002						
17221				0.03	0.001						
17222				0.05	0.002						
17223				0.02	0.001						
17224				0.01	0.004						
17225				0.04	0.011						
17226				0.01	0.002						
17227				0.01	0.002						
17228				0.02	0.001						
17229				L0.01	0.001						
17230				L0.01	trace						
17231				0.02	0.003						
17232				0.01	-						
A-4 510-520 17233				0.07	-						
A-4 530-540 17235				0.01	-						
A-4 540-549 17236				L0.01	-						

L denotes 'less than'



BONDAR-CLEGG & COMPANY LTD.

geochemists • assayers • analytical chemists

1500 PEMBERTON AVENUE, NORTH VANCOUVER, B.C.  
PHONE: 988-5315

TELEX: 04-54554

# CERTIFICATE OF ANALYSES

TO Kerr-Dawson & Associates Ltd.  
9 - 219 Victoria Street  
Kamloops, B.C.

Report No. A24 - 826

October 22, 1974

MARKED	Cu	MoS <sub>2</sub>										
	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
A-4 500-510 17232 Pulp	-	0.002										
A-4 510-520 3	-	0.006										
A-4 530-540 5	-	0.002										
A-4 540-549 17236	-	0.002										
A-4 520-530 17234 Core	0.20	0.009										

*P. Keith Rogers*

APPENDIX E

DRILL LOGS

# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 1 - 219 Victoria St.  
Kamloops, B.C.  
Phone 374-0544

PROPERTY..... Asitka Property.....

HOLE No. A - 1.....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size ..... BQ.....  
 Angle of Hole - 45°.....  
 Claim.....  
 Section.....  
 Bearing ..... 215° T.....

Total Depth ..... 534'.....  
 % Recovery ..... 94.4.....  
 Elev. Collar ..... 5590'.....  
 Latitude .....  
 Departure .....

Sheet No ..... 1..... of ..... 20.....  
 Logged by J. M. Dawson.....  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Asitka Camp.....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
0-10'	48"	Hornblende granodiorite; minor disseminated pyrite, also traces disseminated magnetite; occasional envelopes of pinkish K-feldspar altered near fractures or incipient fractures.	0 - 10	Cu				
10-12.6	5"	Similar to last section, very distinctive rounded quartz grains or "eyes"; pinkish K-feldspar alteration more common around fractures; minor quartz veining near one pyrite-filled fissure - 1/8" wide.						
12.6-17	0	Similar to last section; minor disseminated pyrite, stringer of mixed blebs of pyrite and chalcopyrite at 16'3".						
17-19	0	Granodiorite as before; however, much evidency of brecciation and hydrothermal alteration of dark mineral - chloritization - minor epidote stringers; limonite stained areas common.	10 - 20	Cu				
19-23	5"	Hornblende granodiorite with prominent rounded quartz grains; limonite staining common; minor						

# KERR—DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 1 - 219 Victoria St.  
Kamloops, B.C.  
Phone 374-0544

PROPERTY.....Asitka Property.....

HOLE No. A - 1.....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size .....BQ.....  
 Angle of Hole .....-45°.....  
 Claim.....  
 Section.....  
 Bearing .....215°T.....

Total Depth .....534'.....  
 % Recovery .....94.4.....  
 Elev. Collar .....5590'.....  
 Latitude .....  
 Departure .....

Sheet No. 2.....of 20.....  
 Logged by J. M. Dawson.....  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Asitka Camp.....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
19-23 (cont)	5"	disseminated pyrite and magnetite; last 15" section is gouge zone - limonite stained, extensively altered.						
23-27.6	7"	Gouge, limonite stained and chloritized zone extends to 26.5 feet - remainder is grayish slightly altered, chloritized granodiorite, trace of malachite @ 23'5".	20 - 30	Cu				
27.6-29	0	Chloritized and limonite stained granodiorite; minor dissem. pyrite; quartz-calcite stringer.						
29-33	0	Altered hornblende granodiorite; chloritization and limonite staining common; scattered coarse books of euhedral, secondary, biotite small bleb of chalcopyrite at 31.5'.						
33-37	0	Primarily highly altered clay-like, chloritic friable granodite; limonite staining extensive.	30 - 40	Cu				
37-41	0	Similar to last section; pervasively bleached and altered, though not friable.						

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Suite 1 - 219 Victoria St.  
Kamloops, B.C.  
Phone 374-0544

PROPERTY ..... Asitka Property .....

HOLE No. .... A - 1 .....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size ..... BQ .....

Angle of Hole ..... -45° .....

Claim..... .....

Section..... .....

Bearing ..... 215°T .....

Total Depth ..... 534' .....

% Recovery ..... 94.4 .....

Elev. Collar ..... 5590' .....

Latitude ..... .....

Departure ..... .....

Sheet No ..... 3 ..... of ..... 20 .....

Logged by ..... J. M. Dawson .....

Date Begun ..... .....

Date Finished ..... .....

Core Stored At ..... Asitka Camp .....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE			
41-45.5	0	Primarily greenish gray, chloritic granodiorite, some sections friable; limonite staining common.	40	50	Cu		
45.5-50	0	Bleached, chloritized and kaolinized granodiorite, quartz-calcite - ankerite? Stringers common; few fracture coatings of pyrite.					
50 - 55	0	Greenish gray to salmon coloured, altered granodiorite minor disseminated pyrite; sulphide zone from 52-53.5, stringers and blebs of pyrite with lesser chalcopyrite - up to 3/4" wide - @ 30° to core axis.					
55 - 60	0	Greenish gray to buff coloured, altered, bleached granodiorite, minor hematite staining; scattered grains and veinlets of pyrite @ ≈ 60° to core axis.	50	60	Cu, Au		
60-65.5	0	First 2' section bleached, altered, chloritized granodiorite; some quartz-carbonate veining, trace? MoS <sub>2</sub> @ 62'3", rest of section greenish, chloritized granodiorite - some hematite stringers.					



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Suite 1 - 219 Victoria St.  
Kamloops, B.C.  
Phone 374-0544

PROPERTY.....Asitka Property.....

HOLE No. ....A-1.....

DIP AND AZIMUTH TEST		
Footage	Corrected	
	Angle	Azimuth

Core Size .....BQ.....  
 Angle of Hole .....-45°.....  
 Claim.....  
 Section.....  
 Bearing .....215° T.....

Total Depth .....534'.....  
 % Recovery .....94.4.....  
 Elev. Collar .....5590'.....  
 Latitude .....  
 Departure .....  
 Core Stored At Asitka Camp.

Sheet No. 4 ..... of 20 .....  
 Logged by J. M. Dawson .....  
 Date Begun .....  
 Date Finished .....  
 Core Stored At Asitka Camp.

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
65.5-70.5	0	Greenish chloritic granodiorite with some pinkish (K-feldspar) zones; last 2 foot section, bleached and silicified with frequent clots and stringers of pyrite, minor chalcOPYrite associated with altered, chloritic femags at 67' and 69'2".	60 - 70	Cu, MoS <sub>2</sub>				
70.5-76	0	Altered, bleached, friable granodiorite; appears somewhat porphyritic because the rounded quartz grains are the only minerals unaltered; frequent pyrite in disseminated grains and as thin stringers; trace chalcOPYrite at 71'7".						
76-81	0	Pale to dark greenish, chloritized granodiorite; quartz-carbonate veining common ≈ 30-40° to core axis; pyrite common as before; traces of chalcOPYrite associated with ferromagnesian minerals @ 77'6" and 77'11".	70 - 80	Cu, MoS <sub>2</sub>				
81-86.5	0	Greenish, chloritized granodiorite; pyrite as before, minor chalcOPYrite in quartz-carbonate stringers @ 85.5 and @ 30° to core axis.	80 - 90	Cu, MoS <sub>2</sub> , Au				

# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 1 - 219 Victoria St.  
Kamloops, B.C.  
Phone 374-0544

PROPERTY.....Asitka Property.....

HOLE No. ...A - 1.....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size .....BQ.....  
 Angle of Hole .....-45°.....  
 Claim.....  
 Section.....  
 Bearing .....215°T.....

Total Depth .....534'.....  
 % Recovery .....94.4.....  
 Elev. Collar .....5590'.....  
 Latitude .....  
 Departure .....

Sheet No .....5..... of .....20.....  
 Logged by .....J. M. Dawson.....  
 Date Begun.....  
 Date Finished.....  
 Core Stored At .....Asitka Camp.....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE		
86.5-90	6"	Similar to last section; pyrite as fine dissem. grains and as stringers up to 1/4" wide; traces of chalcopyrite @ 89'4" and 88'9".	90 - 100		Cu, MoS <sub>2</sub>	
90 - 98	0	Greenish, chloritized granodiorite pyrite as before, trace chalcopyrite @ 95'4".				
98-101	0	Similar to last section - less pyrite				
101-107.5	18"	Grinding of core?! - first 2' section similar to last, rest of run is pale greenish, silicified granodiorite, heavily mineralized with pyrite.	100 - 110		Cu, MoS <sub>2</sub>	
107.5-110.5	0	Pale greenish, altered, friable granodiorite, minor pyrite.				
110.5-116	0	Greenish, chloritic granodiorite; quasi-porphyritic; pyrite more common in last 2' section.	110 - 120		Cu, MoS <sub>2</sub> , Au	
116-120.5	0	Similar to last section; friable towards end of section; pyrite common as disseminated grains and stringers.				

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Suite 1 - 219 Victoria St.  
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PROPERTY..... Asitka Property.....

HOLE No. A - 1.....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size ..... BQ.....  
 Angle of Hole ..... -45°.....  
 Claim.....  
 Section.....  
 Bearing ..... 215° T.....

Total Depth ..... 534'.....  
 % Recovery ..... 94.4.....  
 Elev. Collar ..... 5590'.....  
 Latitude .....  
 Departure .....

Sheet No 6..... of 20.....  
 Logged by J. M. Dawson.....  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Asitka Camp.....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE			
120.5-127	6"	Similar to last section to 126'9" - very heavily mineralized with pyrite - as grains, blebs and stringers up to 1.5" wide; trace of MoS <sub>2</sub> @ 124.5'; last 3" are of dark green to black, fine grained porphyritic dike rock.	120	- 130	Cu, MoS <sub>2</sub> , Au.		
127-129	0	Porphyritic dike rock, dense, black groundmass with phenocrysts of rounded feldspars and occasional rounded quartz eyes.					
129-133	0	Dark greenish, porphyritic dike rock; now more basic, similar to last only now some relict phenocrysts of hornblende.	130	- 140	Cu		
133-135.5	0	Grinding of core; dike rock to 133'2"; rest of section is pale greenish, altered granodiorite; pyrite common.					

# KERR—DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 1 - 219 Victoria St.  
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PROPERTY Asitka Property

HOLE No. A - 1

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ  
 Angle of Hole -45°  
 Claim.....  
 Section.....  
 Bearing 215°T

Total Depth 534'  
 % Recovery 94.4  
 Elev. Collar 5590'  
 Latitude.....  
 Departure.....

Sheet No 7 of 20  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Asitka Camp

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE		
135.5-144.5	0	Greenish, chloritic granodiorite, pyrite $\approx$ 5%.	140	- 150	Cu, Au	
144.5-150	5"	Similar to last section; some hematite staining of remnant feldspars; pyrite $\approx$ 5%.				
150-157	0	Similar to last section; quartz veinlets and stringers common; flooding? pyrite $\approx$ 5%.				
			150	- 160	Cu, Au, MoS <sub>2</sub>	
157-165	0	Greenish-buff, altered granodiorite - extensive quartz veining to 163' - pyrite $\approx$ 5-7% - traces of MoS <sub>2</sub> with quartz from 158 to 159.5.	160	- 170	Cu	
165-171	0	Greenish, chloritic granodiorite; quasi-porphyritic - pyrite $\approx$ 2-3%.	170	- 180	Cu	
171-173	0	Similar to last section; minor pyrite.				

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Suite 1 - 219 Victoria St.  
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PROPERTY Asitka Property

HOLE No. A - 1

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ  
 Angle of Hole -45°  
 Claim.....  
 Section.....  
 Bearing 215°T

Total Depth 534'  
 % Recovery 94.4  
 Elev. Collar 5590'  
 Latitude .....  
 Departure .....

Sheet No 8 of 20  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished .....

Core Stored At Asitka Camp

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE		
173-181	4"	Similar to last section; minor epidote - some quartz veining; pyrite $\approx$ 3%.	180	- 190	Cu	
181-184	0	Similar to last section - pyrite $\approx$ 3%.				
184-192	4"	Similar to last section - pyrite $\approx$ 5%.				
192-194	0	Similar to last section - pyrite $\approx$ 2%.				
194-200	0	Similar to last section; more silicified in part; pyrite $\approx$ 3%.	190	- 200	Cu, Au	
200-208	0	Pale greenish, silicified altered granodiorite - only the rounded quartz grains are unaltered; pyrite $\approx$ 2%.	200	- 210	Cu	

# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

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PROPERTY Asitka Property

HOLE No. A - 1

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ  
 Angle of Hole -45°  
 Claim.....  
 Section.....  
 Bearing 215°T

Total Depth 534'  
 % Recovery 94.4  
 Elev. Collar 5590'  
 Latitude.....  
 Departure.....

Sheet No 9 of 20  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Asitka Camp

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
208-212	2"	Similar to last section, epidote - rich? last 1' section very friable; pyrite less than 1%.						
212-216	2"	First 1.5' section, friable, broken - bleached and highly altered; remainder of section is usual greenish, chloritic, quasi-porphyritic granodiorite, pyrite less than 1%.	210 - 220	Cu				
216-226.5	2"	Similar to last section; pale greenish to buff coloured in places; pyrite less than 1%; in last 14" several minor blebs of chalcopyrite in fractures or narrow quartz stringers.						
226.5-232.5	4"	Similar to last section; quartz-carbonate veining common; pyrite $\approx$ 5-6%.	220 - 230	Cu, Au				
232.5-238	0	Similar to last section; pyrite $\approx$ 5-7%.						

# KERR—DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 1 - 219 Victoria St.  
Kamloops, B.C.  
Phone 374-0544

PROPERTY Asitka Property

HOLE No. A - 1

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ  
 Angle of Hole -45°  
 Claim.....  
 Section.....  
 Bearing 215°T

Total Depth 534'  
 % Recovery 94.4  
 Elev. Collar 5590'  
 Latitude .....  
 Departure .....

Sheet No 10 of 20  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Asitka Camp

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
238-247	0	Greenish to buff-coloured, altered granodiorite; pyrite $\approx$ 2%.	230 - 240	Cu				
247-256.5	0	Similar to last section; 2-3% pyrite.	240 - 250	Cu				
256.5-258.5	0	Similar to last section; 4-5% pyrite.	250 - 260	Cu, Au				
258.5-262	0	Similar to last section; 6% pyrite, few minor blebs of chalcopyrite in quartz stringers @ 260'2".						
262-267	0	Similar to last section; pyrite $\approx$ 4%.	260 - 270	Cu				
267-276	0	Light to dark green, chloritized, altered, granodiorite; less altered in last of section; occasional epidote; pyrite $\approx$ 2%.						
276-281.5	0	Greenish grey to buff, altered, chloritic granodiorite; minor quartz-carbonate veining; $\approx$ 4-5% pyrite.	270 - 280	Cu				





# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 1 - 219 Victoria St.  
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Phone 374-0544

PROPERTY Asitka Property

HOLE No. A - 1

DIP AND AZIMUTH TEST		
Footage	Corrected	
	Angle	Azimuth

Core Size BQ  
 Angle of Hole -45°  
 Claim.....  
 Section.....  
 Bearing 215°T

Total Depth 534'  
 % Recovery 94.4  
 Elev. Collar 5590'  
 Latitude.....  
 Departure.....

Sheet No 12 of 20  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Asitka Camp

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
304-310	0	Greenish, chloritic, quasi-porphyrite granodiorite to 305'10"; then rest of section is gray to pale greenish and buff finer grained quartz diorite (?) - a finer phase of the major rock type? At 305'5" stringer of chalcopyrite - 1/16"; pyrite $\approx$ 1-2%.	300 - 310	Cu				
310-315	0	Fine grained granodiorite - quartz diorite phase slightly porphyritic in part - minor quartz eyes and remnant plagioclase phenocrysts; pyrite less than 1%.	310 - 320	Cu				
315-317	0	Similar to last section; pyrite $\approx$ 1-2%.						
317-321	2"	Similar to last section; portions are extremely fine grained, greenish, dense rock, pyrite minor.						
321-325	0	Similar to last section with rounded quartz eyes and hazy, irregular feldspar phenocrysts in a fine grained grey-buff feldspathic groundmass, <del>some</del> altered and reddish near end of section from contained hematite; pyrite - minor.	320 - 330	Cu				



# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 1 - 219 Victoria St.  
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PROPERTY Asitka Property

HOLE No. A - 1

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ  
 Angle of Hole -45°  
 Claim    
 Section    
 Bearing 215°T

Total Depth 534'  
 % Recovery 94.4  
 Elev. Collar 5590'  
 Latitude    
 Departure  

Sheet No 14 of 20  
 Logged by J. M. Dawson  
 Date Begun    
 Date Finished    
 Core Stored At Asitka Camp

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE		
354-359	6"	Pale to med. greenish, chloritized granodiorite, the round quartz eyes giving the rock a quasi-porphyrific appearance; pyrite $\approx$ 5%.	360 - 370	Cu, Au		
359-367	0	Similar to last section; minor quartz-carbonate veining; pyrite $\approx$ 2-3%.				
367-372	11"	Ground core!! Similar to last section; pyrite $\approx$ 2%.	370 - 380	Cu, Au		
372-374	0	Similar to last section; pyrite $\approx$ 3-4%.				
374-375	0	Similar to last section; pyrite $\approx$ 5%.				
375-376	8"	Similar to last section; pyrite $\approx$ 10%.				
376-379	0	Similar to last section; pyrite $\approx$ 4-5%.				
379-382	12"	Similar to last section; pyrite $\approx$ 5%.				
382-385	0	Similar granodiorite - quartz diorite becoming less altered; ferromagnesians are at least visible.				

# KERR—DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 1 - 219 Victoria St.  
Kamloops, B.C.  
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PROPERTY Asitka Property

HOLE No. A - 1

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ  
 Angle of Hole 45°  
 Claim.....  
 Section.....  
 Bearing 215°T

Total Depth 534'  
 % Recovery 94.4  
 Elev. Collar 5590'  
 Latitude.....  
 Departure.....

Sheet No 15 of 20  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Asitka Camp

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE			
		Pyrite less than 1%.	380 - 390	Cu, Au			
385-388	4"	Medium grained, somewhat chloritized granodiorite; pinkish, potash feldspar alteration in places; pyrite minor.					
388-391	12"	Greenish-gray chloritized granodiorite; minor pyrite.					
391-396	2"	Similar to last section; minor pyrite.	390 - 400	Cu			
396-399.5	0	Similar granodiorite; feldspars are pinkish to buff coloured - potash alteration? Minor pyrite; 5' dike of the porphyritic lamprophyre at 397' - 397' 5".					
399.5-403	0	Similar to last section; some minor quartz veining; minor pyrite.					
403-407	0	Granodiorite now having a pervasive pinkish to buff colouration; potash metasomatism; minor pyrite.	400 - 410	Cu			

# KERR—DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 1 - 219 Victoria St.  
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PROPERTY Asitka Property

HOLE No. A - 1

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ  
 Angle of Hole -45°  
 Claim.....  
 Section.....  
 Bearing 215°T

Total Depth 534'  
 % Recovery 94.4  
 Elev. Collar 5590'  
 Latitude .....  
 Departure .....

Sheet No 16 of 20  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Asitka Camp

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
407-411	5 6"	Greenish, chloritic granodiorite; minor pyrite.						
411.5-415	3'8"	Tube did not lock because of excessive water coming out of hole; what core there is, is similar to last section.						
415-418	0	Greenish to buff and pinkish altered granodiorite; pyrite $\approx$ 3-4%; minor quartz veining.	410 - 420	Cu				
418-422	6"	Similar to last section; pyrite minor.						
422-426	0	Similar to last section; slightly coarser grained; pyrite $\approx$ 2-3%.	420 - 430	Cu				
426-433	4"	Greenish chloritic granodiorite; large rounded quartz eyes give quasi-porphyrific appearance; pyrite $\approx$ 2%.						
433-436	0	Similar to last section; some silicification; pyrite $\approx$ 1%.						



# KERR—DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 1 - 219 Victoria St.  
Kamloops, B.C.  
Phone 374-0544

PROPERTY.....Asitka Property.....

HOLE No. ....A - 1.....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size .....BQ.....  
 Angle of Hole .....-45°.....  
 Claim.....  
 Section.....  
 Bearing .....215°T.....

Total Depth .....534'.....  
 % Recovery .....94.4.....  
 Elev. Collar .....5590'.....  
 Latitude .....  
 Departure .....

Sheet No .....18..... of .....20.....  
 Logged by .....J. M. Dawson.....  
 Date Begun.....  
 Date Finished.....  
 Core Stored At .....Asitka Camp.....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
		Pyrite ≈ 3-4%.						
463-473	5 0	Greenish to buff and pinkish, altered granodiorite to 472'2"; rest of section is basic dike; pyrite ≈ 2%.	460 - 470	Cu				
473.5-479	0	First 2' section is similar dark gray, semi-porphyrific material than grades into the pinkish gray, finely porphyritic or cataclastic texture which previously was thought to be altered roof pendant material; trace of chalcopyrite near end of section; trace pyrite.	470 - 480	Cu				
479-487	0	From 479-480.5 similar reddish gray medium - fine grained phase of ? roof pendant or last phase of granodiorite; 480.5-482'9" buff-coloured granodiorite; 482'9"-end of run, gray-reddish buff medium to fine grained phase; some coarse rounded quartz eyes as in the granodiorite proper; traces of pyrite; minor specular hematite!						







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PROPERTY ..... Asitka .....

HOLE No. A - 2 .....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size ..... BQ .....

Angle of Hole ..... 90° .....

Claim..... .....

Section..... .....

Bearing ..... .....

Total Depth ..... 610' .....

% Recovery ..... 95 .....

Elev. Collar ..... .....

Latitude ..... .....

Departure ..... .....

Sheet No ..... 1 ..... of ..... 20

Logged by ..... J. M. Dawson .....

Date Begun ..... .....

Date Finished ..... .....

Core Stored At Johanson Creek  
Camp

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
2 - 6	3"	Started coring at 2' Medium grained, grayish granodiorite; main dark mineral is hornblende - usually fine grained and prismatic, however some coarser grains up to 1/2" across; scattered envelopes of pinkish, K-feldspar alterations adjoining incipient fractures.						
6 - 11	19"	Similar to last section; some larger rounded quartz eyes giving the appearance of being slightly porphyritic; becoming greenish and chloritic towards end of section.						
11 - 13	6"	Greenish, chloritic granodiorite.						
13 - 18.5	0	Grayish, medium grained, hornblende granodiorite; frequent envelopes of buff to pink colouration of feldspars.						
18.5-22.5	6"	Similar to last section - somewhat chloritic in part.						

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PROPERTY..... Asitka .....

HOLE No. .... A - 2 .....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size ..... 80 .....

Angle of Hole ..... 90° .....

Claim..... .....

Section..... .....

Bearing ..... .....

Total Depth ..... 610' .....

% Recovery ..... .....

Elev. Collar ..... .....

Latitude ..... .....

Departure ..... .....

Sheet No ..... 2 ..... of ..... 20 .....

Logged by ..... J. M. Dawson .....

Date Begun ..... .....

Date Finished ..... .....

Core Stored At ..... Johanson Creek .....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
22.5-27.5	6"	Similar to last section; scattered envelopes of pinkish buff, K-feldspar alteration.						
27.5-32.5	0	Similar to last section.						
32.5-35.5	15"	Similar to last section.						
35.5-40	0	Similar to last section; pinkish alteration more common.						
40-47	0	Gray to pinkish - buff granodiorite; minor pyrite and traces of chalcopyrite along near vertical fracture @ 40'3".						
47-50	18"	Similar to last section; 3 or 4 narrow ( 1/4" to 1") pinkish, aplite dikes.						
50-56	4"	Similar to last section; scattered clots of epidote, trace pyrite, blebs of chalcopyrite up to 1/8" wide along near vertical fracture @ 55'8".						



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PROPERTY ..... Asitka .....

HOLE No. .... A - 2 .....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size ..... BQ .....

Angle of Hole ..... 90° .....

Claim..... .....

Section..... .....

Bearing ..... .....

Total Depth ..... 610' .....

% Recovery ..... .....

Elev. Collar ..... .....

Latitude ..... .....

Departure ..... .....

Sheet No. .... 4 ..... of 20 .....

Logged by ..... J. M. Dawson .....

Date Begun..... .....

Date Finished ..... .....

Core Stored At ..... Johanson Creek .....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
88-90	0	Similar to last section.						
90-99	0	Greenish gray to pink gray granodiorite; irregular quartz eyes give quasi-porphyratic appearance.						
99-101	0	Similar to last section.						
101-107	0	Similar to last section; traces pyrite.						
107-108	1"	Similar to last section to 107'4"; from there to end of section, greenish, fine grained dike (?) rock.						
108-110	0	Greenish, fine grained, slightly porphyritic dike rock; slightly calcareous.						
110-115.5	0	Similar to last section; calcite veining, but rock as a whole seems slightly calcareous.						
115.5-118	0	Similar to last section.						

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PROPERTY Asitka

HOLE No. A - 2

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ  
 Angle of Hole 90°  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth 610'  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure .....

Sheet No 5 of 20  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
118-122	38"	Greenish dike rock or calcarious tuff as before - brecciated in part.						
122-126	36"	Similar to last section; some calcite veins up to 1" wide.						
126-129	0	Greenish, chloritic, calcarious tuff ? brecciated in part.						
129-130	0	Similar to last section; friable and broken.						
130-134	2"	Greenish, chloritic calcarious tuff.						
134-136	0	Similar to last section; brecciated in part.						
136-143	0	Similar to last section to 142'; contact with granodiorite - sharp - 10° to core axis; 142 - 143 greenish gray to buff - pink granodiorite.						
143-146	0	Greenish to buff - pink altered granodiorite; most dark minerals have altered to chlorite.						



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PROPERTY Asitka.....

HOLE No. A - 2.....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ.....  
 Angle of Hole 90°.....  
 Claim.....  
 Section.....  
 Bearing.....

Total Depth 610'.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure.....

Sheet No 7..... of 20.....  
 Logged by J. M. Dawson.....  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Johanson Creek.....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
175-177	0	Pinkish-gray granodiorite - minor pyrite; smears of MoS <sub>2</sub> along 3 or 4 fracture surfaces.						
177-180	0	Similar to last section; minor pyrite.						
180-185	0	Pinkish gray to orange granodiorite.						
185-187	0	Pinkish gray granodiorite.						
187-191	0	Similar to last section - almost orange coloured in some places.						
191-192	0	Similar to last section.						
192-198	0	Similar to last section; pronounced rounding of quartz and feldspar grains; zoning seen in some felspars; trace magnetite.						
198-201	0	Similar to last section; <del>traces</del> pyrite.						
201-203	0	201 to 201'9" similar to last section; from 201'9" to end of section dark greenish hybrid granodiorite						



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PROPERTY Asitka

HOLE No. A - 2

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ  
 Angle of Hole 90°  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth 610'  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure.....

Sheet No 8 of 20  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
		- volcanics - frequent clots of epidote; trace of pyrite.						
203-205	0	Hybrid granodiorite - volcanic rock; greenish gray - pseudo - porphyritic - minor pyrite.						
205-207	2"	Grayish, hybrid, feldspathic rock - partly resorbed roof pendant?						
207-213	0	Grayish - buff, feldspathic, hybrid granodiorite some rounded quartz grains are present as in the parent granodiorite - trace of pyrite.						
213-215	2"	Similar to last section.						
215-217	0	Similar to last section - rounding of quartz and feldspar grains; scattered epidote.						
217-221	2"	Similar to last section - becoming similar to the pinkish granodiorite in last 6" of section.						



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PROPERTY Asitka

HOLE No. A - 2

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ  
 Angle of Hole 90°  
 Claim.....  
 Section.....  
 Bearing.....

Total Depth 610'  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure.....

Sheet No 10 of 20  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
250-252	0	From 250 to 251 similar to last section; from 251 to 252 - altered chloritic volcanics - augite porphyry - epidote clots common.						
252-254.5	0	Grayish buff, hybrid granodiorite as before.						
254.5-256	18"	Similar to last section.						
256-262	0	To 257 similar to last section; from 257 to 262 - greenish - gray, epidote rich augite porphyry - hybrid.						
262-263	0	Buff to gray, feldspathic, hybrid granodiorite.						
263-267	0	Similar to last section.						
267-268.5	0	Similar to last section.						
268.5-272.5	6"	to 270 similar to last section; 270 to 272.5 - greenish, chloritic, slightly calcareous tuff.						

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PROPERTY.....Asitka .....

HOLE No. A - 2 .....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size .....BQ.....  
 Angle of Hole .....90°.....  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth .....610'.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure .....

Sheet No 11 of 20  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
272.5-278	0	Greenish, altered, hybrid volcanics - abundant epidote; probably originally augite porphyry flows.						
278-282	0	Greenish gray, hybrid, semi-porphyritic granodiorite.						
282-284	16"	Similar to last section.						
284-285	7"	Similar to last section.						
285-290	0	Dark greenish, epidote rich, hybrid volcanics quasi - porphyritic in part.						
290-292	0	Similar to last section.						
292-294	0	Similar to last section, becoming more like granodiorite near end of section.						
294-296	0	Greenish - gray hybrid volcanics - granodiorite.						
296-298	4"	Similar to last section.						



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PROPERTY.....Asitka.....

HOLE No. A - 2.....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size .....BQ.....  
 Angle of Hole .....90°.....  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth .....610'.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure .....

Sheet No .....13..... of .....20.....  
 Logged by .....J. M. Dawson.....  
 Date Begun.....  
 Date Finished.....  
 Core Stored At .....Johanson Creek.....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
323-328	4"	Grayish - pink altered granodiorite - scattered large euhedral books of secondary biotite.						
328-332	8"	Similar to last section.						
332-335	0	Similar to last section; trace of pyrite.						
335-338	0	Similar to last section.						
338-345	0	Similar to last section; minor pyrite.						
345-349	0	Similar to last section.						
349-351	0	Similar to last section.						
351-357.5	0	Similar to last section - becoming porphyritic in last 3 foot section; rounded quartz and feldspar grains in a pinkish brown quartz - feldspathic groundmass.						
357.5-362	0	Similar to last section - somewhat porphyritic in part.						



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PROPERTY Asitka

HOLE No. A - 2

DIP AND AZIMUTH TEST		
Footage	Corrected	
	Angle	Azimuth

Core Size BQ  
 Angle of Hole 90°  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth 610'  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure.....

Sheet No 15 of 20  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
398-402	0	Pinkish gray altered granodiorite; trace pyrite.						
402-410	3"	Similar to last section.						
410-412	0	Grayish, semi-porphyrific granodiorite.						
412-418	0	Greenish gray to buff coloured, semi-porphyrific granodiorite; trace of pyrite.						
418-422	6"	Similar to last section - becoming darker towards end of section; possible hybrid phase because of included volcanic rock.						
422-423.5	0	Similar to last section.						
423.5-430	0	Similar to last section becoming buff to pinkish in colour near end of section; trace of pyrite.						
430-435	0	Greenish gray to pinkish, semi-porphyrific granodiorite; last 2' section is a vuggy zone of much calcite in granodiorite - scattered blebs of pyrite here.						



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PROPERTY..... Asitka.....

HOLE No. .... A - 2.....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size ..... BQ.....  
 Angle of Hole ..... 90°.....  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth ..... 610'.....  
 % Recovery .....,  
 Elev. Collar .....,  
 Latitude .....,  
 Departure .....

Sheet No ..... 16..... of ..... 20.....  
 Logged by ..... J. M. Dawson.....  
 Date Begun.....  
 Date Finished .....,  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
435-439	0	Pinkish gray, altered granodiorite; quasi-porphyritic in part.						
439-441	0	Similar to last section; traces of pyrite.						
441-447	0	Similar to last section; fine grained pyrite disseminated through section.						
447-453	3"	Similar to last section; minor pyrite.						
453-458	0	Similar to last section; minor pyrite.						
458-461	0	Similar to last section; minor pyrite.						
461-469	6"	Similar to last section; minor pyrite.						
469-474	48"	Similar to last section.						
474-479	0	Grayish-pink, medium grained granodiorite.						
479-485	0	Similar to last section.						

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PROPERTY.....Asitka.....

HOLE No. ....A - 2.....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size .....BQ.....  
 Angle of Hole .....90°.....  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth .....610'.....  
 % Recovery .....  
 Elev. Collar .....  
 Latitude .....  
 Departure .....

Sheet No .....17..... of .....20.....  
 Logged by .....J. M. Dawson.....  
 Date Begun.....  
 Date Finished .....  
 Core Stored At .....Johanson Creek.....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
485-487	0	Similar to last section.						
487-492	0	Buff to grayish, granodiorite.						
492-502	0	Similar to last section; fairly fresh - trace of pyrite.						
502-510	0	Similar to last section; minor pyrite.						
510-516	4"	Buff to greenish gray, semi-porphyratic granodiorite - scattered stringers of pyrite.						
516-522	0	Greenish gray to pinkish gray, semi-porphyratic granodiorite.						
522-526	0	Pinkish - brown, semi-porphyratic granodiorite.						
526-530	0	Similar to last section; traces pyrite.						
530-534	2"	Similar to last section; traces pyrite.						







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PROPERTY Asitka Peak

HOLE No. A-3

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ  
 Angle of Hole 90  
 Claim    
 Section    
 Bearing  

Total Depth 525  
 % Recovery 94.3  
 Elev. Collar    
 Latitude    
 Departure  

Sheet No 1 of 15  
 Logged by J. M. Dawson  
 Date Begun    
 Date Finished    
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
		Started Coring @ 7'.						
7-8	6"	Gray to buff medium grained granodiorite, limonite staining common.						
8-15½	2"	Grayish white to pink, chloritized granodiorite; pyrite common as stringers and disseminated grains; ≈ 3-4%; scattered epidote stringers.						
15½-21	20"	Similar to last section - 2-3% pyrite.						
21-26	2"	Similar to last section - some clots of ? included greenish volcanic - epidote rich material; 1-2% pyrite.						
26-31	0	Grayish, white to buff, medium grained, partly chloritized, hornblende granodiorite; minor pyrite.						
31-36	0	Grayish, hornblende granodiorite; trace pyrite.						

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PROPERTY..... Asitka .....

HOLE No. A - 3 .....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size ..... BQ .....

Angle of Hole ..... 90 .....

Claim..... .....

Section..... .....

Bearing ..... .....

Total Depth..... .....

% Recovery..... .....

Elev. Collar ..... .....

Latitude ..... .....

Departure ..... .....

Sheet No. 2 ..... of 15 .....

Logged by J. M. Dawson .....

Date Begun..... .....

Date Finished..... .....

Core Stored At Johanson Creek .....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
36-39	0	Similar to last section.						
39-43	24"	Grayish to pink, chloritized granodiorite; 2-3% pyrite.						
43-48	0	Similar to last section - becoming very pinkish and epidote rich near end of section; ≈ 3% pyrite.	40	50 Cu,	Au			
48-53	5"	Pink to buff altered granodiorite; pyrite in stringers and clots, 5-10% pyrite.	50	60 Cu,	Au			
53-63	3"	Pinkish - buff to gray, altered and partly chloritized granodiorite; frequent clots of epidote; 2-3% pyrite.						
63-68	0	Greenish-gray partly chloritized granodiorite; frequent epidote; minor pyrite.						
68-73	0	Gray to buff - pink granodiorite; frequent epidote; 2-4% pyrite.						





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PROPERTY..... Asitka.....

HOLE No. A - 3.....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size ..... BQ.....  
 Angle of Hole ..... 90.....  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure .....

Sheet No. 4 of 15  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
113-115	7"	Similar to last section; $\approx$ 1% pyrite.						
115-119	3"	Greenish, friable, highly chloritic, altered granodiorite; 15-20% pyrite.						
119-123	2"	Greenish gray to pink, chloritized granodiorite; frequent epidote; $\approx$ 1% pyrite.						
123-130	4"	Similar to last section; minor pyrite.						
130-133	2"	Similar to last section; minor pyrite.						
133-138	0	Similar to last section; trace pyrite.						
138-143	4"	Dark grayish, slightly chloritized granodiorite.						
143-145	14"	Greenish gray to pink, altered granodiorite; minor pyrite.						
145-147	6"	Similar to last section; minor chloritization; minor pyrite.						

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Phone 374-0544

PROPERTY.....Asitka.....

HOLE No. ....A - 3.....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size .....BQ.....  
 Angle of Hole .....90.....  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure .....

Sheet No .....5..... of .....15.....  
 Logged by.....J. M. Dawson.....  
 Date Begun.....  
 Date Finished.....  
 Core Stored At .....Johanson Creek.....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
147-150	0	Similar to last section; ~ 1% pyrite.						
150-156	0	Gray to pinkish, chloritized granodiorite; minor pyrite; @ 154'5" 1/2" pinkish zone which contains scattered blebs and stringers of chalcopyrite - associated with epidote stringers. (15° to core axis.)						
156-161	30"	Grayish to buff granodiorite - no pyrite.						
161-166	0	Similar to last section.						
166-171	0	Similar to last section; from 168 1/2 to 170 1/2 - basic dike @ 10° to core axis.						
171-177	8"	Gray to pinkish buff granodiorite - now large books of biotite are present along with the usually dominant hornblende; minor pyrite.						
177-182	0	Predominantly pinkish granodiorite; scattered epidote.						

# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 1 - 219 Victoria St.  
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PROPERTY..... Asitka.....

HOLE No. A - 3

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size ..... BQ.....  
 Angle of Hole ..... 90.....  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure .....

Sheet No. 6 of 15  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
182-187	0	Grayish, relatively fresh granodiorite; scattered envelopes of pinkish, K-feldspar alteration near incipient fractures.						
187-192	-	Similar to last section.						
192-198	3"	Similar to last section.						
198-203	0	Similar to last section.						
203-208	0	Similar to last section. Trace pyrite.						
208-212	0	Gray to pinkish granodiorite.						
212-214	0	Similar to last section.						
214-219	0	Similar to last section; minor pyrite.						
219-222	0	Similar to last section;						
222-227	4"	Similar to last section; minor pyrite.						

# KERR-DAWSON & ASSOCIATES LTD. - DIAMOND DRILL RECORD

Suite 1 - 219 Victoria St.  
Kamloops, B.C.  
Phone 374-0544

PROPERTY.....Asitka.....

HOLE No. ....A - 3.....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size .....BQ.....  
 Angle of Hole .....90.....  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude .....

Sheet No .....7..... of .....15.....  
 Logged by .....J. M. Dawson.....  
 Date Begun.....  
 Date Finished.....  
 Core Stored At .....Johanson Creek.....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
227-232	0	Gray to pinkish granodiorite - pyrite along series of near vertical fractures; 1-2% pyrite in section @ from 227'8" - 228'2" minor blebs of chalcopyrite with the pyrite.						
232-237	0	Similar to last section; minor pyrite along near vertical fractures.						
237-242	0	Similar to last section; pyrite and minor chalcopyrite along series of near - vertical fractures.						
242-246	0	Similar to last section; no sulphides.						
246-249	0	Similar to last section.						
249-251	0	Similar to last section.						
251-253	0	Similar to last section.						
253-258	3"	Similar to last section.						





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PROPERTY.....Asitka.....

HOLE No. ....A - 3.....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size .....BQ.....  
 Angle of Hole .....90.....  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure .....

Sheet No .....10..... of .....15.....  
 Logged by.....J. M. Dawson.....  
 Date Begun.....  
 Date Finished.....  
 Core Stored At .....Johanson Creek.....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
304-309.5	0	Similar to last section; minor pyrite.						
309.5-314.5	0	Similar to last section becoming less altered in last 3' of section; here it is predominantly a gray, hornblende granodiorite with scattered envelopes of pinkish, K-feldspar alteration.						
314.5-320	0	Grayish, partly chloritized granodiorite; minor envelopes of pink, potash alteration; minor hematite on some fractures.						
320-325	0	Similar to last section; minor pyrite and epidote near end of section.						
325-329.5	0	Similar to last section; minor pyrite.						
329.5-333.5	2"	Similar to last section; 1-2% pyrite, traces of chalcopyrite (?) at 332'4".						
333.5-339	7"	Gray to pinkish - buff, partly chloritized granodiorite; scattered epidote; minor pyrite.						

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PROPERTY.....Asitka.....

HOLE No. ....A - 3.....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size .....BQ.....  
 Angle of Hole .....90.....  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure .....

Sheet No. ....11..... of ....15.....  
 Logged by.....J. M. Dawson.....  
 Date Begun.....  
 Date Finished.....  
 Core Stored At.....Johanson Creek.....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
339-344	0	Similar to last section; minor pyrite.						
344-349.5	0	Similar to last section; trace of pyrite.						
349.5-359.5	0	Pinkish to gray, partly chloritized granodiorite; minor pyrite in scattered stringers.						
359.5-365	0	Similar to last section; trace of pyrite.						
365-370	0	Grayish pink, chloritized granodiorite; 5-6% pyrite - traces of ? chalcopyrite; scattered epidote.						
370-375.5	3"	Similar to last section; 2-3% pyrite.						
375.5-378	1"	Similar to last section; 2-3% pyrite.						
378-382.5	18"	Pinkish buff, more altered rock - slightly silicified, minor pyrite.						
382.5-386.5	24"	Similar to last section; 3-4% pyrite; trace of chalcopyrite (?).						



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PROPERTY.....Asitka.....

HOLE No. ....A - 3.....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size .....BQ.....  
 Angle of Hole .....90.....  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure .....

Sheet No .....12..... of .....15.....  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
386.5-392	18"	Grayish pink, highly chloritized granodiorite; 3 - 4 % pyrite.						
392-397.5	0	Similar to last section; 1-2% pyrite; minor chalcopyrite along fracture at 396'8".						
397.5-402.5	0	Similar to last section; minor pyrite and trace chalcopyrite.						
402.5-407	0	Similar to last section; 3/4" calcite veinlet; scattered epidote clots.						
407-409.5	2"	Similar to last section.						
409.5-415	2"	Pink to grayish chloritized granodiorite; trace pyrite; frequent clots of epidote.						
415-420	0	Similar to last section; trace of pyrite.						
420-424.5	0	Similar to last section; minor pyrite.						

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PROPERTY Asitka

HOLE No. A - 3

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ  
 Angle of Hole 90  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure .....

Sheet No 13 of 15  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
424.5-426.5	3"	Similar to last section; minor pyrite.						
426.5-431	0	Greenish gray, chloritized granodiorite; frequent clots of epidote; $\approx$ 1% pyrite.						
421-435	0	Greenish gray to pinkish - buff, chloritized granodiorite; minor pyrite and ?trace of chalcopyrite.						
435-440	2"	Similar to last section; 1-2% pyrite.						
440-443	5"	Highly broken and friable core; similar to last section; 2-3% pyrite.						
443-448	0	Grayish - white, bleached and clay-like altered granodiorite - 15-20% pyrite in large stringers and blebs.						
448-451.5	0	Greenish gray, chloritized granodiorite; pyrite $\approx$ 10% as disseminated blebs replacing chloritized ferromagnesian minerals and also as discrete stringers; minor chalcopyrite blebs @ 448'4" & 449'3".						



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PROPERTY ..... Asitka .....

HOLE No. ... A - 3 .....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size ..... BQ .....

Angle of Hole ..... 90 .....

Claim..... .....

Section..... .....

Bearing ..... .....

Total Depth..... .....

% Recovery..... .....

Elev. Collar..... .....

Latitude ..... .....

Departure ..... .....

Sheet No. 15 ..... of 15 .....

Logged by J. M. Dawson .....

Date Begun..... .....

Date Finished..... .....

Core Stored At Johanson Creek .....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
480-485	0	Similar to last section.						
485-490	4"	Similar to last section.						
490-495	0	Similar to last section.						
495-500	0	Similar to last section.						
500-505	0	Similar to last section.						
505-510	0	Pinkish, chloritic, brecciated granodiorite; pyrite $\approx$ 2-3%.						
510-515	0	Pink to greenish gray, chloritized granodiorite; trace pyrite.						
515-520	0	Predominantly pinkish, chloritized granodiorite; minor epidote; no pyrite.						
520-525	0	Similar to last section.						
		END OF HOLE.						

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PROPERTY Asitka Peak

HOLE No. A - 4

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ  
 Angle of Hole 90  
 Claim.....  
 Section.....  
 Bearing.....

Total Depth 549  
 % Recovery 95  
 Elev. Collar.....  
 Latitude.....  
 Departure.....

Sheet No 1 of 21  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
		7 feet of casing.						
7-9½	0	Greenish gray, partly chloritized granodiorite abundant epidote in stringers up to 1/4" wide.						
9½-11	0	Similar to last section; limonite on fracture surfaces.						
11-12	3"	Similar to last section; trace pyrite.						
12-14	0	Gray white, hornblende granodiorite - scattered epidote, traces of chalcopyrite and malachite along two epidote stringers.						
14-15	4"	Partly chloritized hornblende granodiorite.						
15-17	0	Gray to buff hornblende granodiorite; trace of chalcopyrite, epidote common.						
17-22	2"	Similar to last section; stringers of pyrite up to 1/3" wide; ≈ 1-2% of section.						

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PROPERTY..... Asitka Peak.....

HOLE No. .... A - 4.....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size ..... BQ.....  
 Angle of Hole ..... 90.....  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure .....

Sheet No. 2 of 21  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
22-26	0	Similar to last section; pyrite stringers; limonite on some fractures.						
26-27	0	Similar to last section.						
27-28½	0	Similar to last section.						
28½-30	0	Similar to last section.						
30-31	0	Gray-white, hornblende granodiorite.						
31-32½	0	Gray-white, hornblende granodiorite.						
32½-35½	11"	Similar to last section; some shearing and clay alteration; core badly broken.						
35½-36	0	Similar to last section.						
36-39	5"	Grayish, partly chloritized hornblende granodiorite.						
39-40½	2"	Similar to last section.						

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PROPERTY..... Asitka Peak .....

HOLE No. .... A - 4 .....

DIP AND AZIMUTH TEST		
	Corrected	
Footage	Angle	Azimuth

Core Size ..... BQ .....

Angle of Hole ..... 90 .....

Claim..... .....

Section..... .....

Bearing ..... .....

Total Depth..... .....

% Recovery..... .....

Elev. Collar..... .....

Latitude ..... .....

Departure ..... .....

Sheet No. .... 3 ..... of 21 .....

Logged by J. M. Dawson .....

Date Begun..... .....

Date Finished ..... .....

Core Stored At Johanson Creek .....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
<u>40½-41½</u>	<u>0</u>	<u>Grayish, fairly fresh hornblende granodiorite to quartz diorite; trace pyrite.</u>						
<u>41½-43</u>	<u>0</u>	<u>Similar to last section.</u>						
<u>43-45</u>	<u>2"</u>	<u>Similar to last section.</u>						
<u>45-48½</u>	<u>0</u>	<u>Gray to buff partly chloritized, hornblende granodiorite; epidote common; trace pyrite and (?) chalcopyrite.</u>						
<u>48½-50½</u>	<u>0</u>	<u>Similar to last section.</u>						
<u>50½-53</u>	<u>0</u>	<u>Similar to last section.</u>						
<u>53-55</u>	<u>0</u>	<u>Similar to last section.</u>						
<u>55-56</u>	<u>0</u>	<u>Similar to last section.</u>						
<u>56-56½</u>	<u>0</u>	<u>Similar to last section.</u>						

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PROPERTY Asitka Peak

HOLE No. A - 4

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size ..... BQ .....  
 Angle of Hole ..... 90 .....  
 Claim .....  
 Section .....  
 Bearing .....

Total Depth .....  
 % Recovery .....  
 Elev. Collar .....  
 Latitude .....  
 Departure .....

Sheet No. 4 of 21  
 Logged by J. M. Dawson  
 Date Begun .....  
 Date Finished .....  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
<u>56½-60</u>	<u>0</u>	<u>Gray-white to buff, partly chloritized granodiorite;</u> <u>1 pyrite stringer - 1/4" wide @ 25° to core axis;</u> <u>limonite staining on some fractures</u>						
<u>60-61½</u>	<u>0</u>	<u>Similar to last section.</u>						
<u>61½-67</u>	<u>0</u>	<u>Buff to pale greenish, chloritized, hornblende</u> <u>granodiorite; minor epidote.</u>						
<u>67-70</u>	<u>0</u>	<u>Gray to buff, partly chloritized granodiorite.</u>						
<u>70-73</u>	<u>0</u>	<u>Similar to last section.</u>						
<u>73-76½</u>	<u>2"</u>	<u>Similar to last section; scattered pyrite</u> <u>stringers in last 1 foot section.</u>						
<u>76½-80</u>	<u>3"</u>	<u>Similar to last section.</u>						
<u>80-83</u>	<u>3"</u>	<u>Similar to last section; epidote common.</u>						
<u>83-87</u>	<u>2"</u>	<u>Similar to last section; sheared and friable</u> <u>in part; trace pyrite.</u>						





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PROPERTY Asitka Peak

HOLE No. A - 4

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ  
 Angle of Hole 90  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure.....

Sheet No .6 of 21  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
106-109½	4"	Sheared and broken; limonite stained granodiorite; minor pyrite and traces of chalcopryrite near start of section.						
109½-113	1"	Gray to pinkish - buff, partly chloritized granodiorite; scattered pyrite and minor chalcopryrite accompanying it.						
113-114½	2"	Similar to last section; minor pyrite and lesser chalcopryrite.						
114½-118½	2"	Similar to last section; some clay seams; some limonite staining; ≈ 1% pyrite.						
118½-122½	0	Grayish white, hornblende granodiorite; minor pyrite and ? trace chalcopryrite; epidote stringers common.						
122½-127	0	Similar to last section; trace pyrite and chalcopryrite.						

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PROPERTY Asitka Peak

HOLE No. A - 4

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ  
 Angle of Hole 90  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure.....

Sheet No 7 of 21  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
122-132½	0	Gray to pinkish buff, partly chloritized granodiorite; minor, fine grained scattered pyrite stringers - traces of chalcopyrite; frequent stringers, clots and isolated grains of epidote.						
132½-138	0	Similar to last section; no sulphides.						
138-143	0	Similar to last section; no sulphides.						
143-148	2"	Similar to last section; traces of pyrite.						
248-153	36"	Similar to last section; no sulphides.						
153-158	0	Pinkish-buff, chloritized granodiorite; minor quartz veining; trace pyrite.						
158-161½	0	Gray-pink to greenish-buff, partly chloritized granodiorite.						
161½-165	0	Grayish to bleached white granodiorite; limonite staining common; pyrite stringers along near vertical fractures; minor chalcopyrite						

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PROPERTY..... Asitka Peak.....

HOLE No. A - 4.....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size ..... BQ.....  
 Angle of Hole 90.....  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude .....

Sheet No 8..... of 21.....  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished .....

Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
165-170½	7"	Similar to last section; minor pyrite stringers with lesser chalcopyrite.						
170½-175	0	Gray to pinkish-buff, partly chloritized granodiorite; minor pyrite.						
175-180	0	Grayish granodiorite to quartz diorite; chloritized in part; frequent epidote; minor pyrite.						
180-184½	0	Similar to last section; malachite staining on a number of fracture surfaces; minor pyrite; epidote frequent.						
184½-187	0	Gray to buff, partly chloritized granodiorite; epidote common.						
187-191½	0	Similar to last section; first 2 foot section is more bleached altered and pyritic; one pyrite stringer up to 1" wide.						
191½-197	0	Grayish to buff granodiorite - quartz diorite.						

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PROPERTY Asitka Peak

HOLE No. A - 4

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ  
 Angle of Hole 90  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure.....

Sheet No 9 of 21  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
197-202	0	Similar to last section; frequent epidote.						
202-207½	0	Gray to buff - white and somewhat chloritic granodiorite - quartz diorite; epidote stringers						
207½-212	2"	Greenish buff to gray, hornblende granodiorite; frequent epidote; minor pyrite.						
212-213	0	Grayish, hornblende granodiorite.						
213-218	0	Grayish green to buff, partly chloritized granodiorite; abundant epidote; minor pyrite along near vertical fractures; lesser chalcopyrite accompanying pyrite and epidote near end of section.						
218-223	1"	Similar to last section; minor chalcopyrite along near vertical fractures in first 2 foot section.						
223-227½	0	Similar to last section; no sulphides.						



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PROPERTY..... Asitka Peak .....

HOLE No. .... A - 4 .....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size ..... BQ .....

Angle of Hole ..... 90 .....

Claim..... .....

Section..... .....

Bearing ..... .....

Total Depth..... .....

% Recovery..... .....

Elev. Collar..... .....

Latitude ..... .....

Departure ..... .....

Sheet No ..... 11 ..... of ..... 21 .....

Logged by ..... J. M. Dawson .....

Date Begun..... .....

Date Finished ..... .....

Core Stored At ..... Johanson Creek .....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
248½-254	0	Greenish gray, partly chloritized, hornblende granodiorite; epidote frequent.						
254-259	0	Similar to last section.						
259-264	0	Similar to last section except feldspars become more eroded and smaller towards end of section.						
264-267	0	Greenish gray, partly chloritized granodiorite - abundant epidote.						
267-268½	0	Similar to last section.						
268½-271½	0	Similar to last section.						
271½-273	12"	Similar to last section.						
273-277	4"	Similar to last section; abundant epidote, minor pyrite.						
277-280	2"	Similar to last section; abundant epidote; minor pyrite.						

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PROPERTY..... Asitka Peak.....

HOLE No. A - 4.....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ.....  
 Angle of Hole 90.....  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure .....

Sheet No 12 of 21.....  
 Logged by J. M. Dawson.....  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
280-285	0	Pale greenish gray, chloritized and silicified granodiorite; epidote makes up 15 - 20% of rock, trace of pyrite.						
285-288	0	Greenish gray, partly chloritized granodiorite, scattered clots and disseminated grains of epidote.						
288-290	0	Similar to last section; epidote declines to nil at end of section.						
290-298	0	Greenish gray, partly chloritized, hornblende granodiorite; frequent clots and stringers of epidote; stringers at from 45° to 70° to core axis, minor pyrite associated with some of these epidote veinlets.						
298-303	0	Similar to last section; minor pinkish - buff sections of K-feldspar alteration.						
303-308	0	Pale greenish gray to pinkist - buff, partly chloritized granodiorite; epidote common.						





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PROPERTY..... Asitka Peak.....

HOLE No. A - 4.....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size ..... BQ.....  
 Angle of Hole ..... 90.....  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure.....

Sheet No. 14 of 21  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
340-343	0	Similar to last section; some small, highly chloritized pieces of ? included volcanics.						
343-346½	12"	Similar to last section; from 343'8" to 344'4" area of small altered inclusions of volcanics; minor malachite on fracture surfaces; small stringer of chalcopryite @ 30° to core axis.						
346½-350	0	Greenish gray, chloritized granodiorite; frequent epidote.						
350-353	0	Similar to last section; epidote - chlorite stringer with scattered grains of chalcopryite @ 350'11" - @ 20° to core axis.						
353-358	0	Similar to last section; thin stringer of magnetite @ 356.5 - @ 10° to core axis & small stringer of pyrite with traces of chalcopryite @ 356'11" - @ 20° to core axis.						

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PROPERTY..... Asitka Peak .....

HOLE No. A - 4 .....

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size ..... BQ .....

Angle of Hole ..... 90 .....

Claim..... .....

Section..... .....

Bearing ..... .....

Total Depth..... .....

% Recovery..... .....

Elev. Collar ..... .....

Latitude ..... .....

Departure ..... .....

Sheet No ..... 15 ..... of ..... 21 .....

Logged by ..... J. M. Dawson .....

Date Begun..... .....

Date Finished ..... .....

Core Stored At ..... Johanson Creek .....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
358-363	0	Greenish, chloritized granodiorite with prominent pink section from 359'10" to 361'8"; scattered pyrite through section; frequent epidote; several small blebs of chalcopyrite along incipient fractures from 359'1" to 359'8" and @ 362'4".						
363-368	0	Similar to last section; frequent pyrite in first half of section; as stringers and as small disseminated grains replacing chloritized hornblende crystals.						
368-373	6"	Greenish to gray partly chloritized, hornblende granodiorite; scattered epidote; minor pyrite.						
373-378½	0	Buff - gray to pale greenish gray, chloritized granodiorite; abundant epidote.						
378½-383	3"	Green gray to pale greenish buff epidote rich granodiorite; trace pyrite.						

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PROPERTY Asitka Peak

HOLE No. A - 4

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ  
 Angle of Hole 90  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure.....

Sheet No 16 of 21  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
383-386	.2"	Greenish gray, partly chloritized granodiorite; scattered epidote; minor pyrite near end of section.						
386-394	0	Light to dark greenish gray, partly chloritized granodiorite; scattered veinlets of pyrite and at least 7 small stringers of chalcopyrite - associated with epidote veinlets, most sulphide veinlets are steep - 20° - 30° to core axis @ 386'3" steep veinlet of pyrite; magnetite and minor chalcopyrite.						
394-398½	0	Similar to last section; no sulphides.						
398½-404	2"	Similar to last section; some large near vertical epidote stringers with associated pyrite - near end of section.						
404-408	4"	Greenish gray, partly chloritized granodiorite; scattered pyrite; zone of chalcopyrite blebs and stringers from 405' to 405'6"; scattered epidote.						

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PROPERTY Asitka Peak

HOLE No. A - 4

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ  
 Angle of Hole 90  
 Claim  
 Section  
 Bearing

Total Depth  
 % Recovery  
 Elev. Collar  
 Latitude  
 Departure

Sheet No 17 of 21  
 Logged by J. M. Dawson  
 Date Begun  
 Date Finished  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
408-410½	0	Greenish gray, chloritized granodiorite; several near vertical pyrite stringers with trace MoS <sub>2</sub> .						
410½-415½	3"	Gray, slightly chloritized, hornblende granodiorite; scattered stringers of pyrite associated with epidote.						
415½-420½	0	Similar to last section; scattered stringers of epidote.						
420½-424	0	Similar to last section.						
424-429	2"	Greenish gray, chloritized granodiorite; scatter- ed veinlets of epidote; minor MoS <sub>2</sub> on fracture @ 427'5".						
429-432½	0	Greenish gray to buff, chloritized granodiorite; scattered pyrite and epidote stringers near end of section.						
432½-437	4"	Greenish, chloritized granodiorite; minor fine grained, disseminated chalcopyrite.						



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PROPERTY Asitka Peak

HOLE No. A - 4

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ  
 Angle of Hole 90  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure.....

Sheet No 19 of 21  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
462-467.5	0	Similar to last section; minor near vertical stringers of pyrite and magnetite; scattered pyrite replacing ferromagnesian minerals in latter half of section.						
467½-472½	0	Grayish hornblende granodiorite to quartz diorite.						
472½-477	0	Similar to last section; minor epidote.						
477-482½	0	Similar to last section; minor epidote.						
482½-486	0	Pale greenish-gray, partly chloritized granodiorite; minor epidote.						
486-488½	0	Similar to last section.						
488½-491	15"	Similar to last section.						
491-494	6"	Similar to last section; near vertical 1/2" epidote, magnetite, pyrite stringer near end of section.						

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PROPERTY Asitka Peak

HOLE No. A - 4

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size BQ  
 Angle of Hole 90  
 Claim.....  
 Section.....  
 Bearing .....

Total Depth.....  
 % Recovery.....  
 Elev. Collar.....  
 Latitude.....  
 Departure.....

Sheet No 20 of 21  
 Logged by J. M. Dawson  
 Date Begun.....  
 Date Finished.....  
 Core Stored At Johanson Creek

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
494-498	0	Greenish gray, chloritized granodiorite; minor dispersed epidote; several near vertical pyrite stringers.						
498-503	0	Gray, fairly fresh granodiorite.						
503-513	0	Gray to greenish gray, partly chloritized granodiorite; scattered epidote.						
513-518	0	Greenish gray, chloritized and silicified granodiorite; minor pyrite; trace chalcopyrite @ 514'6".						
518-523	2"	Pale greenish silicified and chloritized granodiorite, stringers of chalcopyrite and finely divided MoS <sub>2</sub> from 518.5 to 522' - minor pyrite.						
523-528	0	Similar to last section; minor blebs of chalcopyrite @ 524, 528'2", and 527'10".						







PROFESSOR  
J.M. DAWSON  
BRITISH COLUMBIAN  
ENGINEER

ASHIKA PEAK

FLEET PEAK

GOLDWAY PEAK

DORTATELLE PEAK

SUSTUT PEAK

ISOLATED MTN

LOCATION MAP  
MINERAL RESOURCES DIVISION  
BRITISH COLUMBIA  
SCHEMATIC PLAN  
5457 MAP 2

631  
630  
45'  
629  
628  
627  
30  
626  
625

APPENDIX F

WRITER'S CERTIFICATE

**JAMES M. DAWSON, P. ENG.  
GEOLOGIST**

9-219 VICTORIA STREET  
KAMLOOPS, B.C.

PHONE (604) 374-6427

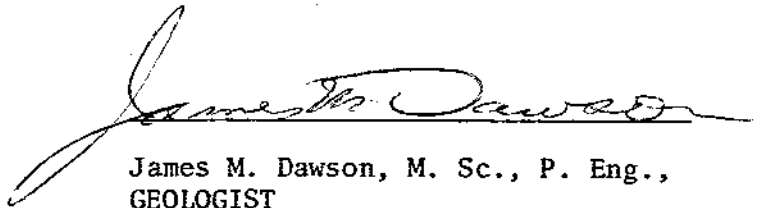
CERTIFICATE

I, JAMES M. DAWSON OF KAMLOOPS, B. C. DO HEREBY CERTIFY THAT:

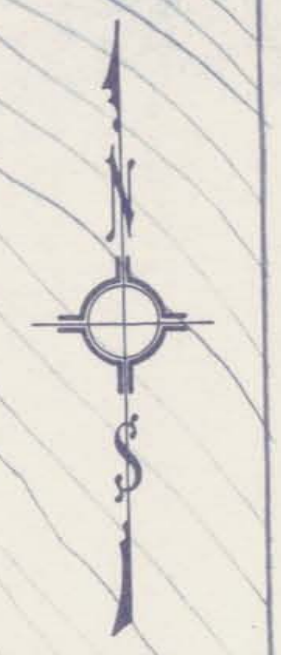
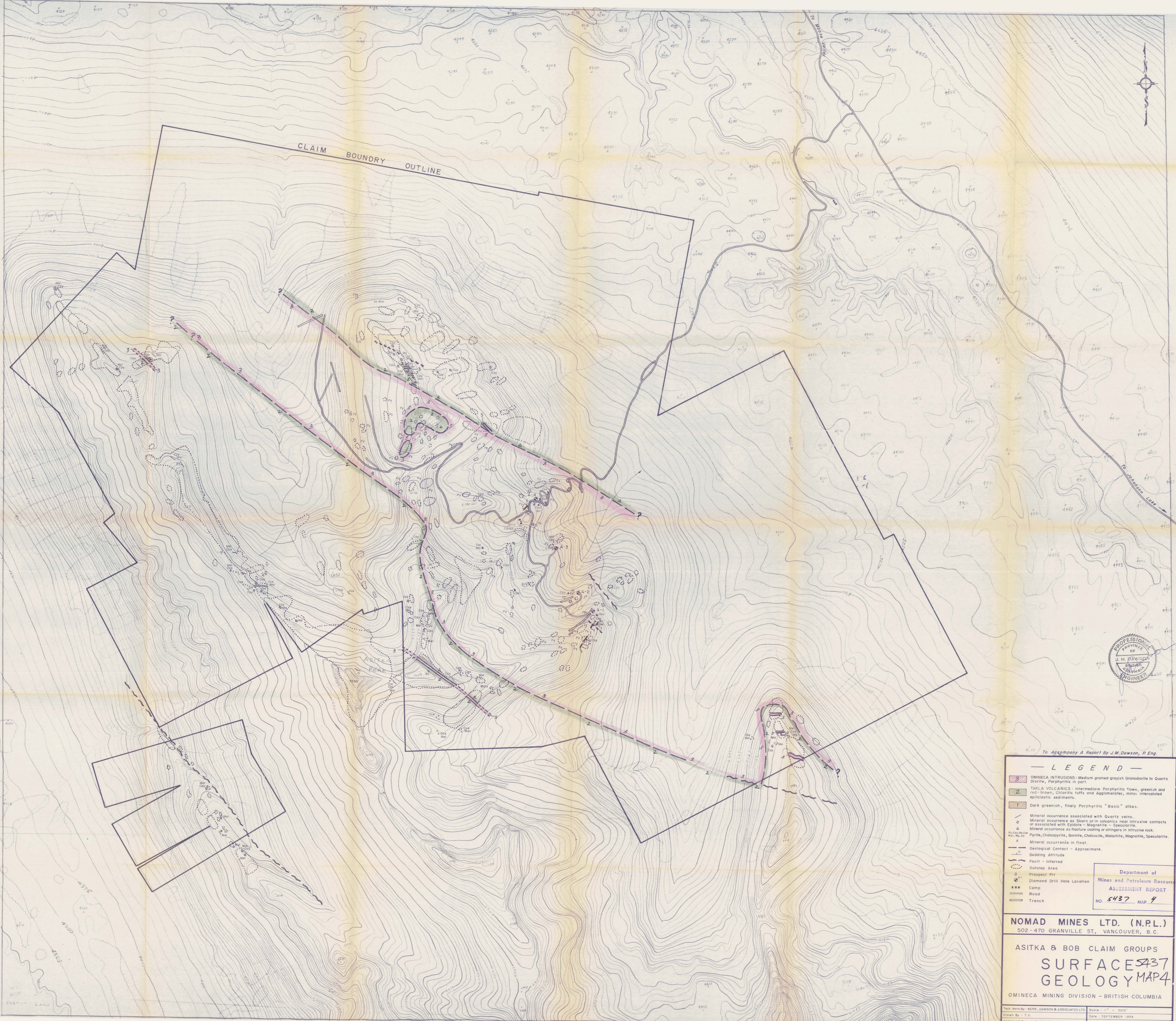
- (1). I am a geologist residing at 2753 Sunset Drive, Kamloops, and employed by Kerr, Dawson and Associates Ltd. of Suite #1 - 219 Victoria Street, Kamloops, B. C.
- (2). I am a graduate of the Memorial University of Newfoundland - B. Sc. (1960), M. Sc. (1963), a fellow of the Geological Association of Canada and a member of the Association of Professional Engineers of B. C. I have practised my profession for 11 years.
- (3). I am the author of this report which is based on an exploration programme that included road construction, trenching and diamond drilling and was carried out on the Asitka and Asitka "B" groups of claims.
- (4). I have no beneficial interest in Nomad Mines Ltd. (N. P. L.), or in the property discussed in this report, nor do I expect to receive any.



KERR, DAWSON & ASSOCIATES LTD.,

  
James M. Dawson, M. Sc., P. Eng.,  
GEOLOGIST

November 3rd., 1974,  
KAMLOOPS, B. C.



CLAIM BOUNDARY OUTLINE



To Accompany A Report By J.M. Dawson, P. Eng.

**— LEGEND —**

- 3 OMINECA INTRUSIONS - Medium grained grayish Granodiorite to Quartz Diorite, Porphyritic in part.
- 2 TAKLA VOLCANICS - Intermediate Porphyritic flows, greenish and red-brown, Chloritic tuffs and Agglomerates, minor intercalated epiclastic sediments.
- 1 Dark greenish, finely Porphyritic "Basic" dikes.
- Mineral occurrence associated with Quartz veins.
- Mineral occurrence as Skarn or in volcanics near intrusive contacts or associated with Epidote - Magnetite - Siderite.
- Mineral occurrence as fracture coating or stringers in intrusive rock.
- Pyrite, Chalcopyrite, Bornite, Chalcocite, Malachite, Magnetite, Siderite.
- Mineral occurrence in float.
- Geological Contact - Approximate.
- Bedding Attitude
- Fault - Inferred
- Outcrop Area
- Prospect Pit
- Diamond Drill Hole Location
- Camp
- Road
- Trench

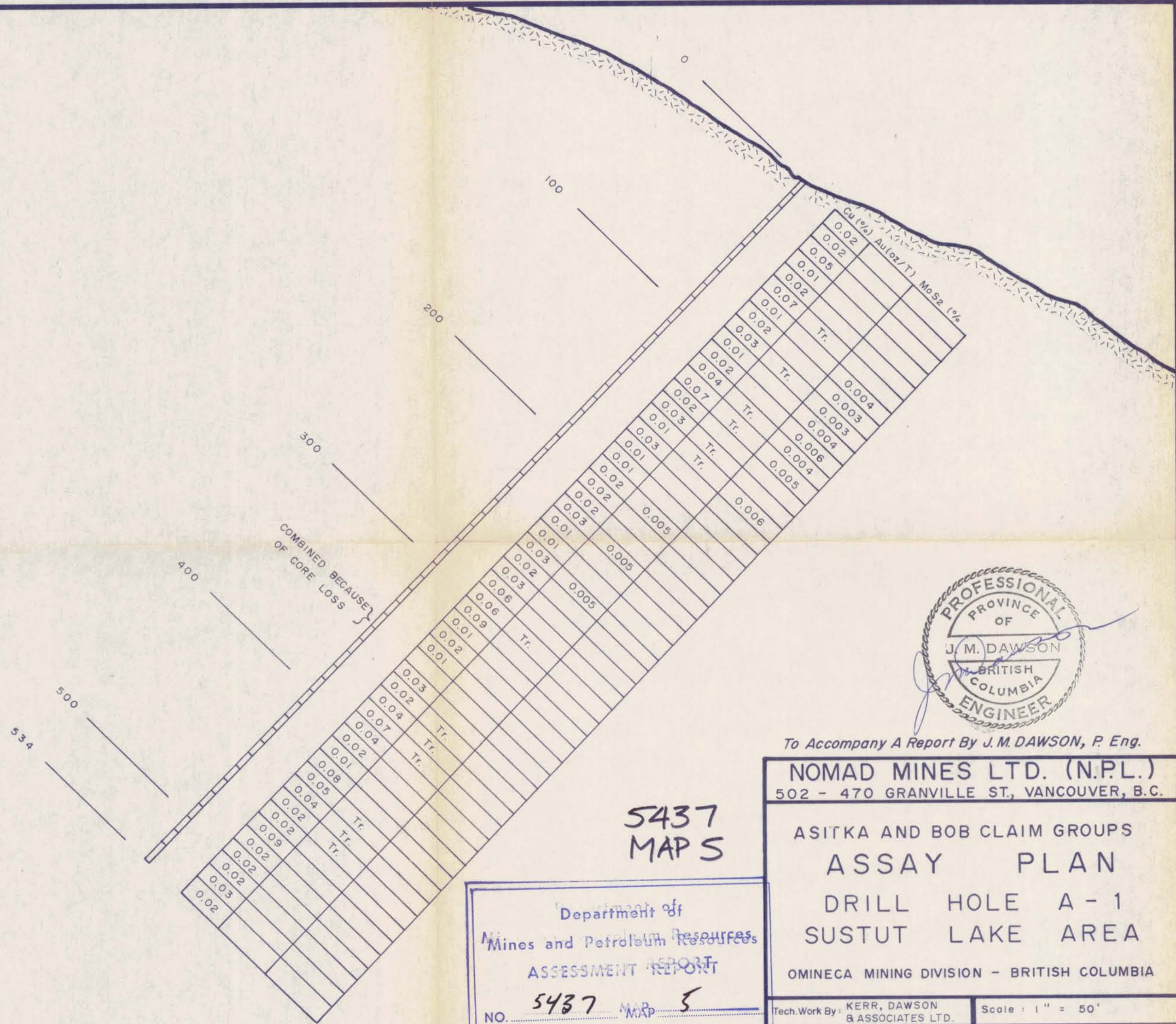
Department of  
Mines and Petroleum Resources  
**ASSESSMENT REPORT**  
NO. 5437 MAP 4

**NOMAD MINES LTD. (N.P.L.)**  
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**ASITKA & BOB CLAIM GROUPS**  
**SURFACE 5437**  
**GEOLOGY MAP 4**

OMINECA MINING DIVISION - BRITISH COLUMBIA

Tech Work By: KERR, DAWSON & ASSOCIATES LTD. Scale: 1" = 500'  
Drawn By: T.V. Date: SEPTEMBER 1974  
Approved By: J.M. DAWSON, P. Eng. Drawing No. 86-11



To Accompany A Report By J. M. DAWSON, P. Eng.

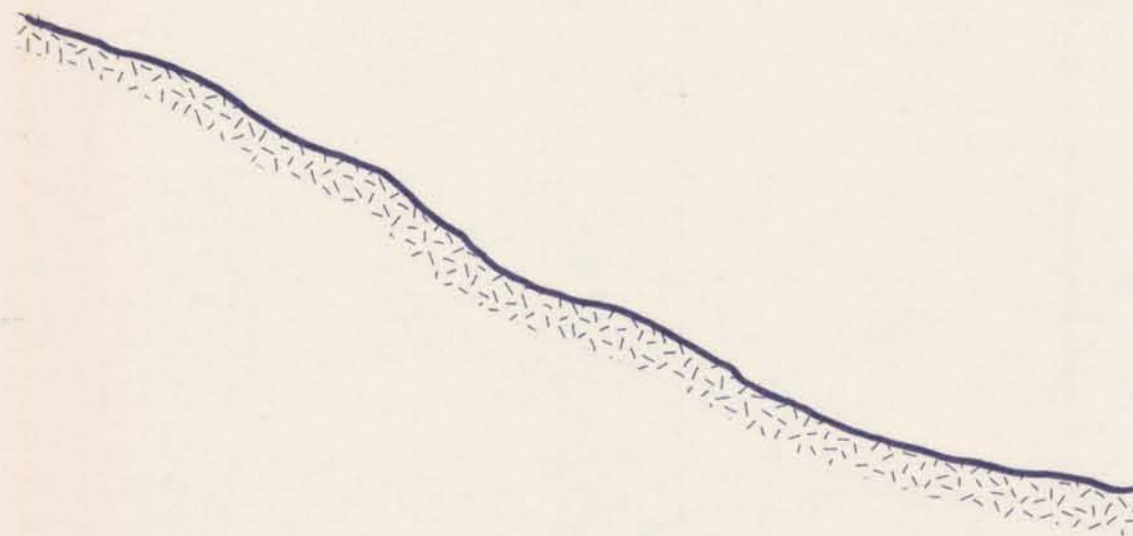
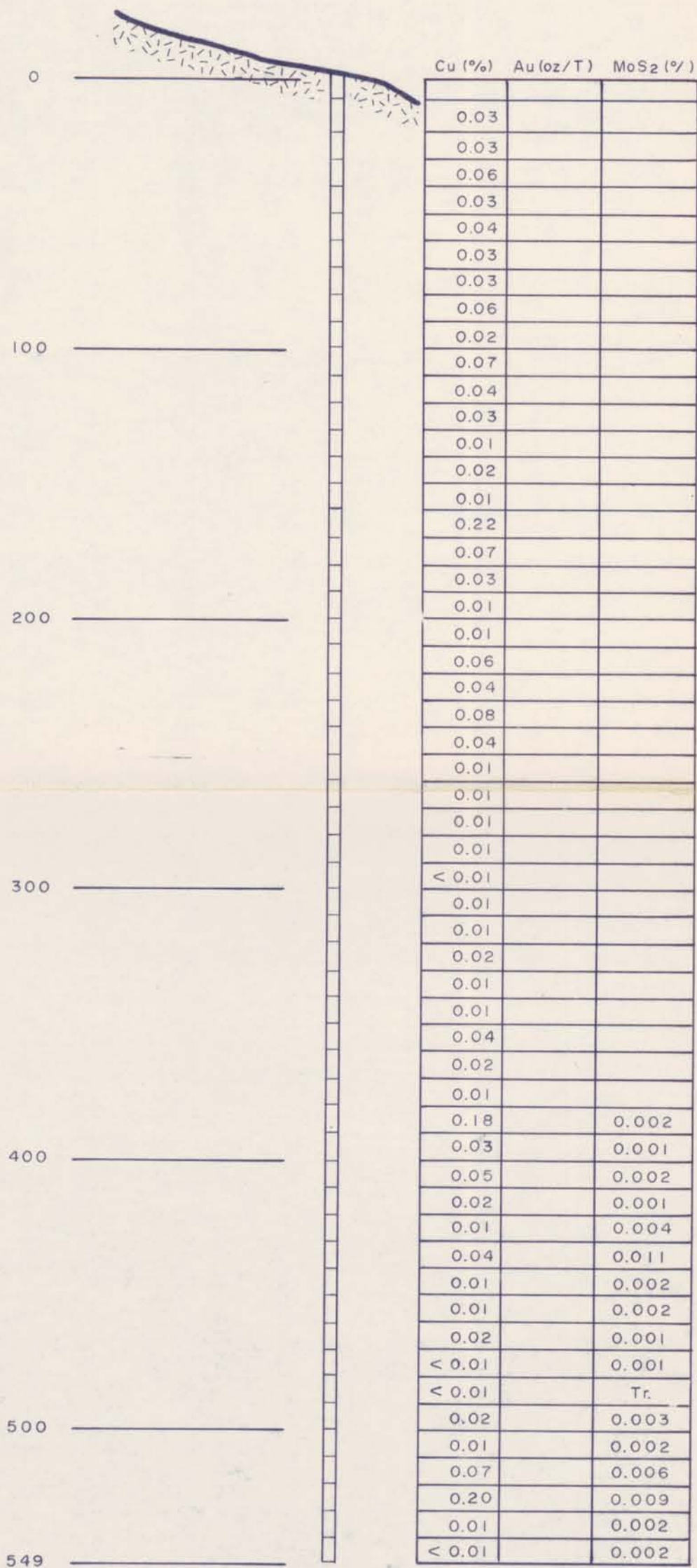
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5437  
MAPS

Department of  
Mines and Petroleum Resources  
**ASSESSMENT REPORT**  
NO. 5437 MAP 5

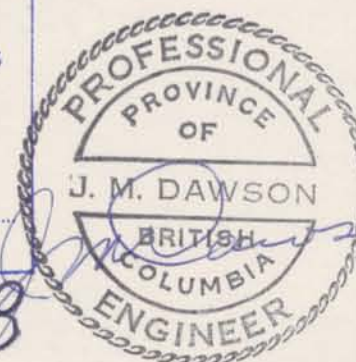
ASITKA AND BOB CLAIM GROUPS  
**ASSAY PLAN**  
DRILL HOLE A - 1  
SUSTUT LAKE AREA  
OMINECA MINING DIVISION - BRITISH COLUMBIA

Tech. Work By: KERR, DAWSON & ASSOCIATES LTD.	Scale: 1" = 50'
Drawn By: T. V.	Date: OCTOBER 1974
Approved By: J. M. DAWSON	Dwg. No. 86-14



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ASSESSMENT REPORT

NO. **5437** MAP **8**



**5437 MAP 8**

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ASITKA AND BOB CLAIM GROUPS  
**ASSAY PLAN**  
DRILL HOLE A - 4  
SUSTUT LAKE AREA

OMINECA MINING DIVISION - BRITISH COLUMBIA

Tech. Work By: KERR, DAWSON &  
ASSOCIATES LTD.

Scale: 1" = 50'

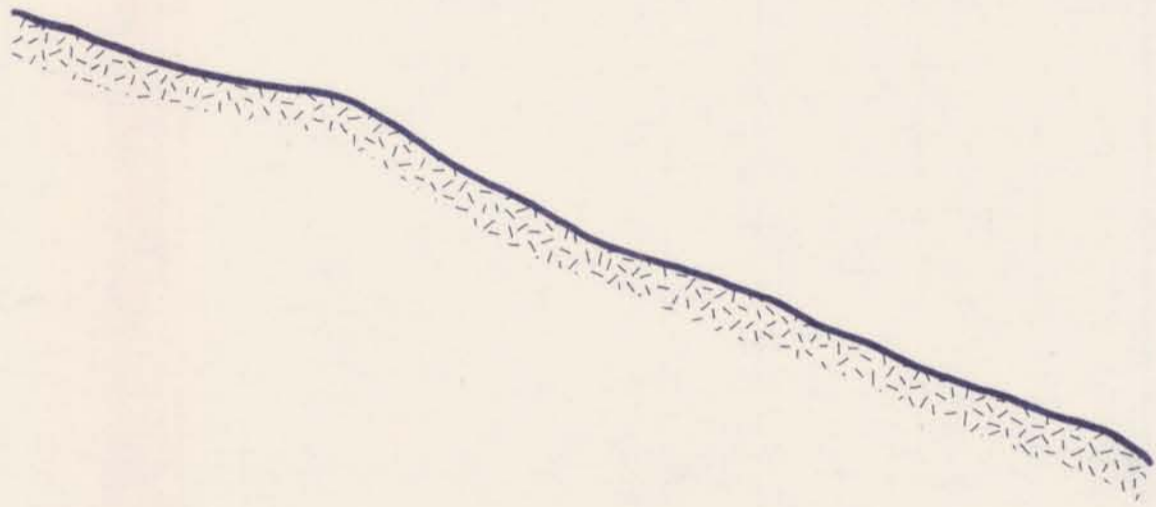
Drawn By: T. V.

Date: OCTOBER 1974

Approved By: J. M. DAWSON

Dwg. No. 86-17

	Cu (%)	Au (oz/T)	MoS <sub>2</sub> (%)
	0.01		
	0.04		
	0.02		
	0.02		
	0.02		
	0.01		
	0.03		
	0.03		
100	0.04		
	0.06		
	0.07		
	0.03		
	0.01		
	0.02		
	0.09		
	0.01		
	0.01		
200	< 0.01		
	< 0.01		
	< 0.01		
	0.01		
	0.03		
	0.03		
	0.02		
	< 0.01		
	0.04		
	0.04		
	0.11		
300	0.12		
	0.05		
	0.01		
	0.02		
	0.02		
	0.01		
	0.01		
	0.02		
	0.03		
	0.08		
400	0.05		
	0.01		
	0.01		
	0.03		
	0.02		
	0.13	Tr.	
	0.07	Tr.	
500			
525	0.02	Tr.	



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NO. 5437 MAP 7



5437  
MAP 7

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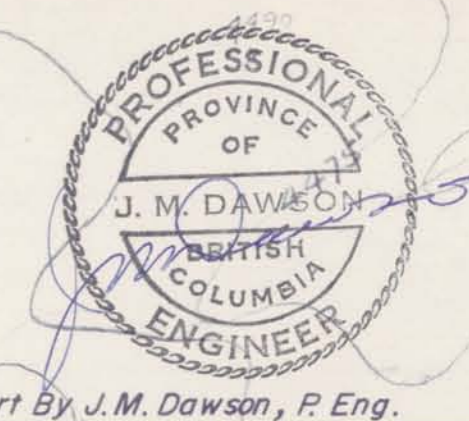
ASITKA AND BOB CLAIM GROUPS  
ASSAY PLAN  
DRILL HOLE A - 3  
SUSTUT LAKE AREA

OMINECA MINING DIVISION - BRITISH COLUMBIA

Tech. Work By: KERR, DAWSON & ASSOCIATES LTD.	Scale : 1" = 50'
Drawn By: T. V.	Date : OCTOBER 1974
Approved By: J. M. DAWSON	Dwg. No. 86 - 16







To Accompany A Report By J.M. Dawson, P. Eng.

— L E G E N D —

- PROPERTY BOUNDARY - NOMAD MINES LTD. (N.P.L.)
- - - PROPERTY BOUNDARY - J.H. KRUZICK
- - - - - PROPERTY BOUNDARY - B.P. MINERALS LTD.
- CLAIM POST
- ROAD
- TRENCH
- CONTOUR LINE - CONTOUR INTERVAL 25'
- ⊙ A-2 DIAMOND DRILL HOLE
- CAMP LOCATION

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
5427 Map 3

5437  
MAPS

NOMAD MINES LTD. (N.P.L.)  
502-470 GRANVILLE ST., VANCOUVER, B.C.

ASITKA & BOB CLAIM GROUPS  
**CLAIM MAP**

OMINECA MINING DIVISION - BRITISH COLUMBIA

Plan Work By: KERR DAWSON & ASSOCIATES LTD. Scale: 1" = 500'  
 Drawn By: T.V. Date: SEPTEMBER 1974  
 Approved By: J.M. DAWSON, P. Eng. Drawing No. 86-10