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District Geolo	ogist, Victoria			Off C	onfidential:	90.01.23
ASSESSMENT REF	PORT 18591	MINING DI	VISION:	Alberni		
PROPERTY:	Central					
LOCATION:	LAT 49 20 00	LONG	125 19 0	0		
	UTM 10 546687					
CLATM(S).	NTS 092F06W					
CLAIM(S):	Central 1-2					
OPERATOR(S):						
AUTHOR(S):	Chung, P.L.					
REPORT YEAR:						
KEYWORDS:	Jurassic, Triassi					
	Karmutsen Format	ion,Quartz	diorite	,Andesit	8	
WORK		1				
	specting,Geochemi 5	Cal				
PROS	<pre>5 500.0 na</pre>	CII DD 7M				
RELATED	(io sampie(s)	;CU,FD,2N	, AG, AU			
	16046					
	10040					

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ACTION:		
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REPORT

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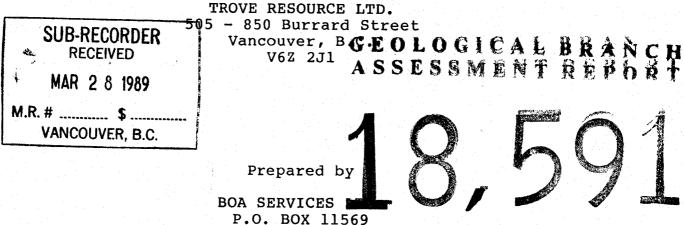
CENTRAL PROPERTY

Alberni Mining Division British Columbia

FILMED

North Lat. 49°20' West Long. 125°19' NTS 92F/6

Prepared for



P.O. BOX 11569 840-650 West Georgia Street Vancouver, B.C. V6B 4N8

> Paul P.L. Chung, F.G.A.C. Consulting Geologist

March 28, 1989

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INTRODUCTION

Trove Resources Ltd. of suite 505, 850 Burrard Street, Vancouver, British Columbia owns the Central property, which is situated on the south shore of Great Central Lake, in the Alberni Mining Division. This report on the Central property, prepared at the request of the directors of the company, describes the prospecting program conducted on the property between November 25, and December 1, 1988.

SUMMARY

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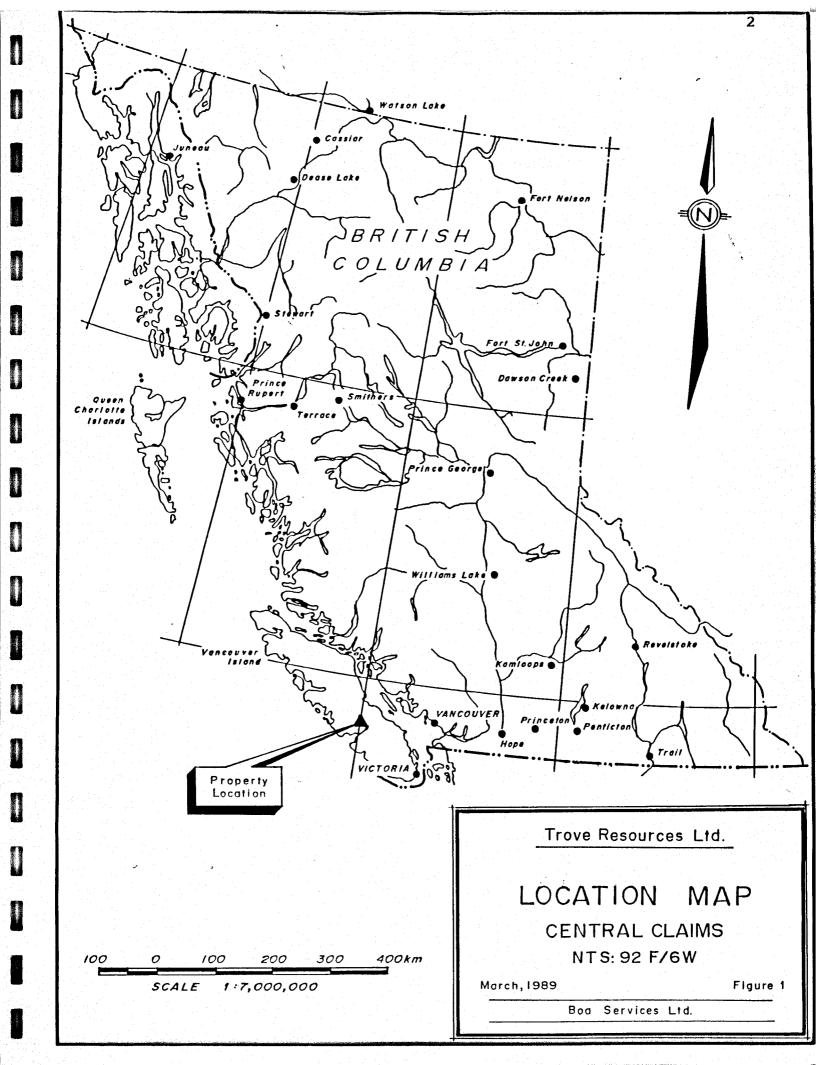
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The Central property is comprised of two contiguous claim blocks, Central 1 and Central 2, which together total 40 units. The claims are located on the south shore of Great Central Lake, approximately 40 kilometers west/northwest of Port Alberni in the Alberni Mining Division, Vancouver Island, British Columbia. The geographic coordinates of the claims are 49°20' North latitude by 125°19' West longitude.

Access to the property is possible via Highway 4 west, and taking the paved turnoff northwest to Great Central Lake. Once at the Lake, a boat is needed to travel 25 kilometers down the lake to the property.

In 1984, mineralized float was discovered by Sam Craig in creek beds. Later that year, Royalon Petroleum Corp. conducted a limited exploration program on the property which included blasting of three trenches. During February of 1987, Murjoh Resources Inc. conducted a small mapping and rock sampling program on the present claims.



The 1988 exploration program was greatly curtailed due to adverse weather conditions. However, the limited program did produce rock samples anomalous in gold values. The property lies in a favourable geological setting and limited exploration has produced some encouraging results. A program to further test the potential of the property is recommended at a cost of \$13,000.00.

PROPERTY AND OWNERSHIP

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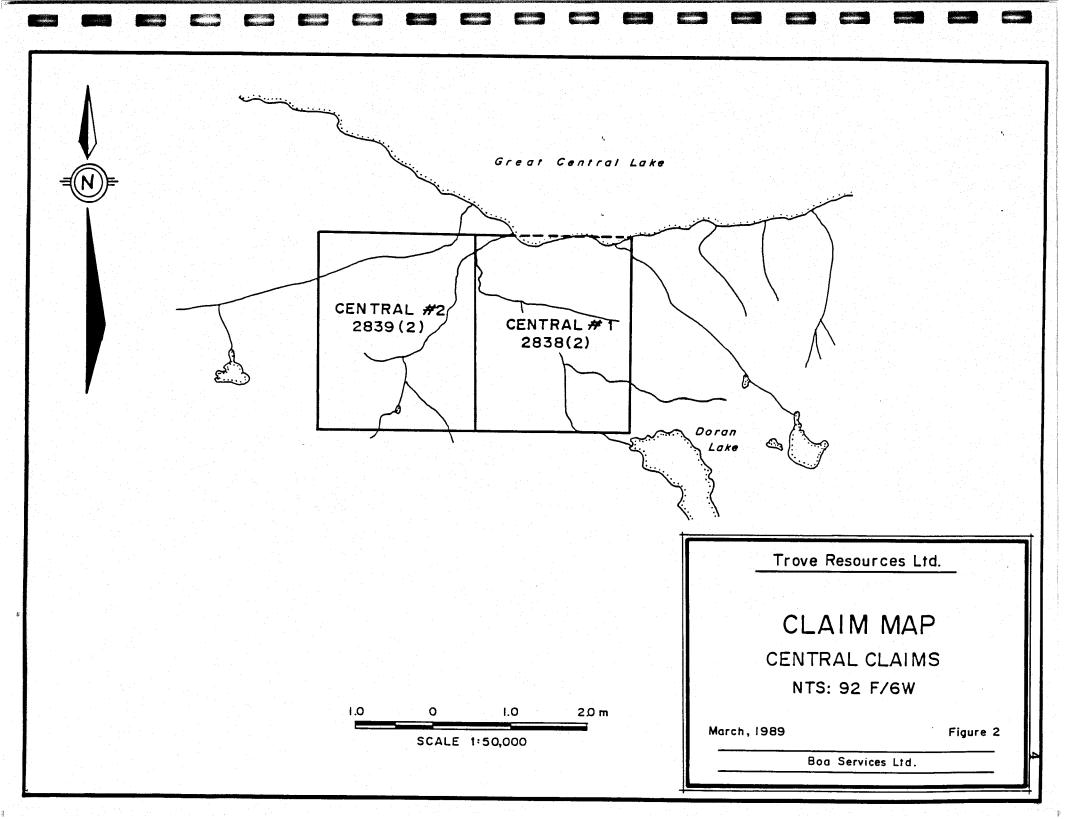
The property is comprised of two 20 unit claim blocks, Central 1 and Central 2, which together total 40 units and cover 1000 hectares. The claims are situated in the Alberni Mining Division, British Columbia. The location and configuration of the claims are shown on Figures 1 and 2 respectively. The following table summarizes all pertinent claim data.

Claim	Record No. Units	Record Date	Owner	
Central 1	2838 20	Feb 18/86	Trove Resources	Ltd.
Central 2	2839 20	Feb 18/86	Trove Resources	Ltd.

LOCATION AND ACCESS

The property is located on the south shore of Great Central Lake in south-central Vancouver Island. It is approximately 40 kilometers west/northwest of the town of Port Alberni. The geographic coordinates for the property are 49°20' N. latitude by 125°19' W. longitude on NTS map sheet 92F/6.

property is possible by travelling 13 Access to the Port Alberni along Highway 4, and then kilometers west from taking the paved turnoff northwest to Great Central Lake. Once needed to travel approximately lake, a boat is 25 the at kilometers down the lake to the northern boundaries of the property.



PHYSIOGRAPHY

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The terrain, which may become rugged in sections, is generally moderate. Elevations range from 83 meters above sea level at the lake level, to over 1000 meters at the peaks. Logging was effected to about the 200 meter elevation with all higher slopes being covered with tall timber. Obstructive vegetation beneath the virgin forest canopy is minimal.

The climate in this region is typical of Vancouver Island, with heavy annual rainfall and mild temperatures. Winters are characterized by heavy precipitation, with the summers being fairly hot. The lower reaches of the property may be worked quite late or early in the season.

HISTORY

The property itself received no known exploration or development until 1984 when Sam Craig discovered mineralized float in the creek beds. He then staked the ground as the Doran Claims. In July of that year, Royalon Petroleum Corp. conducted a limited exploration program on the property, which consisted of silt and heavy sediment sampling of various creeks and the blasting of three trenches across a mineralized structure.

In 1986, the property was staked as the Central 1 and 2 claims by Murjoh Resources Inc. The company cut 7 kilometers of lines and conducted a reconnaissance geology survey in 1987. Rock samples taken from the old trenches return values up to .115 oz/ton Au.

REGIONAL GEOLOGY

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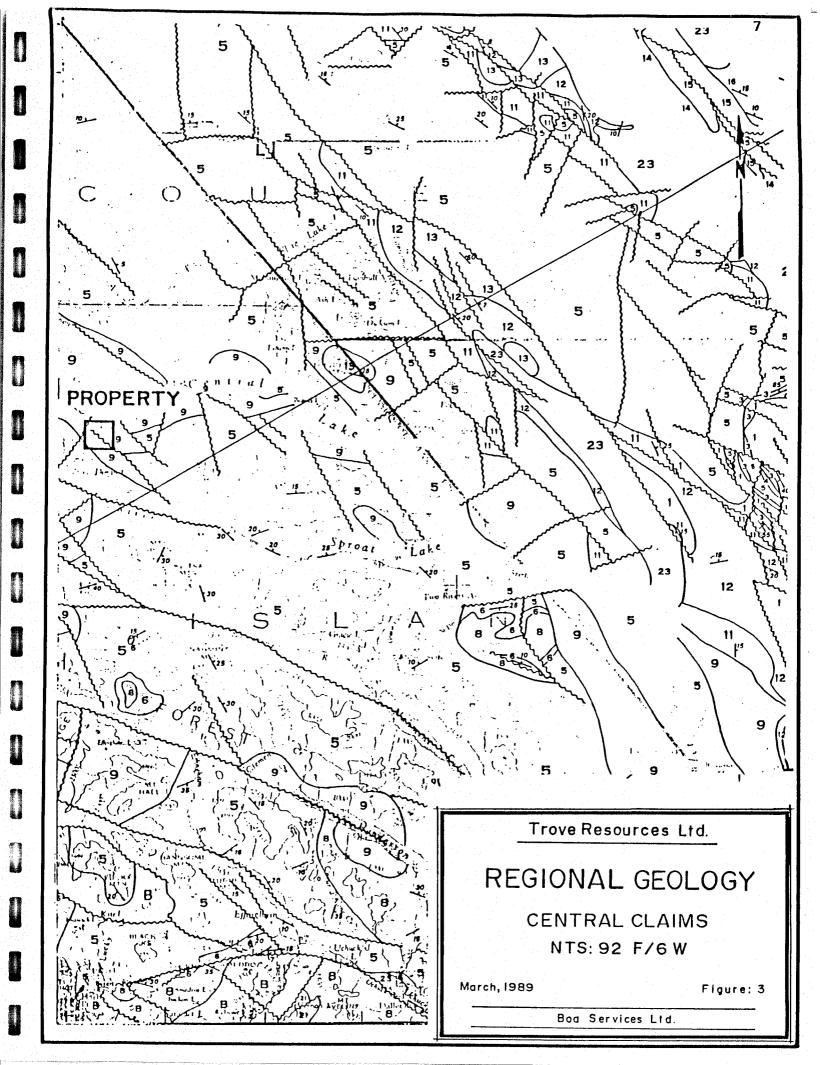
The Central property lies in a simple geological setting. Only two different rock packages exist: Jurassic intrusives and Upper Triassic Karmutsen Formation (Figure 3). The only structural complications exist as northwesterly tear faults and northeasterly block faults.

Basaltic and andesitic pillow flows with interlava breccia, tuff, and minor sedimentary units constitute the Karmutsen Formation. Government geologists estimate the thickness of the formation to be at least 3000 meters in most localities. Most of the Karmutsen is weakly metamorphosed (green schist facies) although narrow, hornfelsed zones may be found adjacent to intrusive masses.

Intruding the volcanics are large Jurassic intrusive bodies, or "Island Intrusions". Contacts are usually sharp and steeply dipping. Plutons around Great Central Lake belong to the larger Bedwell batholith to the west, which is characterized by porphyritic quartz diorites and granodiorites with prominent quartz "eyes". Two K-Ar age determinations, 162 and 166 m.y., have been obtained for the batholith.

1988 EXPLORATION PROGRAM

A contour soil sampling and prospecting program covering the Karmutsen volcanics was planned to follow up the encouraging results from the previous program. However, due to adverse conditions (up to 3 feet of snow at the 200m contour weather level) which resulted in most of the property to be inaccessible, much of the proposed program was abandoned. Instead, work was concentrated to prospecting in areas with minimum snow coverage, namely the lower, relatively flat areas near the lake shore and along creek beds.



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MIDDLE TO UPPER JURASSIC

Unit 9: Island Intrusions: biotite-hornblende granodiorite, quartz diorite.

TRIASSIC AND JURASSIC

- Unit 8: andesitic to latitic breccia, tuff and lava.
- Unit 7: limestone and argillite, thin bedded, silty carbonaceous.
- Unit 6: Quatsino Formation: limestone, mainly massive to thick bedded, minor thin bedded limestone.
- Unit 5: Karmutsen Formation: pillow-basalt and pillow-breccia, massive basalt flows; minor tuff volcanic breccia. Jasperoid tuff, breccia and conglomerate at base.

TRIASSIC OR PERMIAN

Unit 4: Gabbro, peridotite, diabase.

PENNSYLVANIAN, PERMIAN AND OLDER

- Unit 3: Buttle Lake Formation: limestone, chert.
- Unit 2: Argillite, greywacke, conglomerate; minor limestone, tuff.
- Unit 1: Volcanic breccia, tuff, argillite; greenstone, greenschist; dykes and sills of andesite-porphyry.

The property is underlain by two different formations: a Middle to Upper Jurassic aged quartz diorite, belonging to the Island Intrusions; and an Upper Triassic aged, massive, green volcanic of the Karmutsen Formation.

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The quartz diorite consists of quartz (35%), plagioclase (60%), and hornblende/biotite (5%). The unit has undergone weak propylitic alteration, with the mafic grains being altered to chlorite and epidote. The three trenches which were put in during 1984 exposed quartz veining in an apparent shear zone hosted in the quartz diorite. The zone strikes east/west and dips 55° to 60° to the south.

Karmutsen volcanics occupy mainly the southwestern The portion of the claim area. The volcanic is green, medium-grained and massive, and appears to be of andesitic Alteration minerals include quartz, calcite and composition. chlorite which would suggest a low metamorphic grade, probably facies. in Sulfide the sub greenschist pumpellyite mineralization includes pyrite, chalcopyrite, and malachite.

Mr. D. Ridley and Mr. F. Thane, both competent prospectors, conducted the prospecting program. A total of 19 rock samples were collected (Figure 4) and 15 samples were sent to Acme Analytical Laboratories Ltd. in Vancouver, where the samples were pulverized and screened. The -80 mesh portions were then analyzed for copper, lead, zinc and silver by ICP and gold by atomic absorption. The Certificate of Analysis and the sample descriptions accompany this report as Appendix I and II respectively.

The samples collected were mostly of the quartz diorite with only two specimens of the volcanic, one of which is a float sample. The analytical results are rather encouraging as 5 of the 15 samples returned anomalous values in gold and copper. 4 out of 5 of these anomalous samples are of quartz veins within the quartz diorite. The highest gold value obtained was 4670ppb (.136 oz/ton) from a float sample of quartz vein in andesite.

DISCUSSION AND CONCLUSIONS

The Central property lies in a favourable geological setting for epithermal gold-bearing quartz veins. The silicification + calcite + pyrite is mineralogically typical of many epithermal systems, and the elevated precious and base metal values from exploration on the claims has supported this potential. On the basis of these results, further exploration of the Central property is warranted.

RECOMMENDATIONS

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After analysis of the results of previous work performed on the property, the following program is recommended for further exploration of this property:

- detailed mapping and prospecting, with emphasis in the area underlain by volcanic units; and
- (2) reconnaissance geochemical soil survey lines should be run over the property and analyzed for copper, lead, zinc, gold and silver.

COST ESTIMATES

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Sector Sector

Mapping, prospecting and soil collection	\$4,000.00
Assays	3,000.00
Field Support Expenses	
room, board, vehicle and boat expense	1,500.00
Miscellaneous	
communications, consumables	500.00
Contingency	1,000.00
Management	1,000.00
Report	2,000.00
TOTAL	\$13,000.00

Submitted by



Vancouver, British Columbia March 28, 1989

STATEMENT OF COST

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New York

D. Ridley - prospector 6 days at \$180/day \$ F. Thane - prospector 6 days at \$180/day Vehicle Rental 4x4 truck: 6 days at \$35/day 582 km at \$.35/km	\$1,080.00 1,080.00 210.00 203.70
F. Thane - prospector 6 days at \$180/day Vehicle Rental 4x4 truck: 6 days at \$35/day	210.00
Vehicle Rental 4x4 truck: 6 days at \$35/day	210.00
4x4 truck: 6 days at \$35/day	
582 km at S.35/km	203.70
Field Supplies	57.55
Boat Rental	
4 days at \$60/day	240.00
Lodging	172.80
Food	213.93
Analysis	190.00
Miscellaneous (ferry, LLD)	70.97
Recording Fees	200.00
Management Fee	351.90
Report	2,000.00
	\$6,070.85

Submitted by 0 IUNG 0 Paul P. Bo c. Chung F FELLOW

BIBLIOGRAPHY

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Muller, J.E. and Carson, D.J.T.(1969): Geology and Mineral Deposits of Alberni Map-Area; Geological Survey of Canada, Paper 68-50.

STATEMENT OF QUALIFICATIONS

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I, Paul P.L. Chung, of the City of Richmond, Province of British Columbia, DO HEREBY CERTIFY THAT:

- I am a Consulting Geologist with business address office at Suite 840 - 650 West Georgia Street, Vancouver, British Columbia, V6B 4N8; and President of Boa Services Ltd.
- (2) I am a graduate in geology with a Bachelor of Science degree from the University of British Columbia, in 1981.
- (3) I have practised my profession continuously since graduation.
- (4) I am a Fellow of the Geological Association of Canada.
- (5) I have conducted various mineral exploration programmes in
 B.C., Yukon, Manitoba, Ontario, Quebec, Nova Scotia, and
 Nevada.
- (6) I am a director of Trove Resources Ltd.
- (7) I supervised the work program conducted on the Central property between November 25 and December 1, 1988.

SOCIATIO Paul P

Dated at Vancouver, British Columbia, this 28th day of March, 1989.

APPENDIX I

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CERTIFICATE OF ANALYSIS

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: DEC 1 1988 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: D.e. 5/H.

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GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAN SAMPLE IS DIGESTED WITH 3NL 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR NN FE SR CA P LA CR NG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPN. - SAMPLE TYPE: ROCK AU* ANALYSIS_BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED BY D. TOYE, C. LEONG, B. CHAN, J. WANG; CERTIFIED B.C. ASSAYERS

BOA SERVICES LTD. PROJECT B8812 FILE # 88-6111

SAMPLE#	Cu	Pb	Zn	Ag	Au*
	PPM	PPM	PPM	PPM	PPB
88DR-1	436	9	12	.7	1780
88DR-1A	390	15	11	. 8	1030
88DR-2	367	2	36	.4	640
88DR-3	949	2	17	.7	1070
88DR-7	56	2	26	.1	18
88DR-11	235	4	23	1.3	4670
88DR-15	17	6	28	.1	8
88DR-18	5	5	15	.4	17
STD C/AU-R	59	42	133	7.2	520

ACME ANALYTICAL LABORATORIES LTD. DATE RECEIVED: DEC 29 1988 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716 DATE REPORT MAILED: 4.89.

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GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

SIGNED	BY. C. L	~	OYE, C.LEONG	, B.CHAN,	J.WANG; CERT	IFIED B.C.	ASSAYERS
BOA	SERVICES	LTD. PR	OJECT E	38812	FILE #	88-637	9
	SAMPLE#	C PP	cu pł M PPM			Au* PPB	
	88D-4		8 9	€ 1¢	6.1	8	
	88D-5	1	7 2	2 33	3.1	2	
	88D-8	1	.1 2	2 32	2.1	1	
	88D-12	2	7 2	2 10	.1	2	
	88D-13	3	1 2	2 4!		1	
	88D-14		8 2	2 24	1.1	1	
	88D-17	3	9 4	1 6!	5.1	1	
	STD C/AU-	R 6	3 43	3 132	2 7.3	505	

APPENDIX II

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ROCK SAMPLE DESCRIPTIONS

SAMPLE NO.

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SAMPLE DESCRIPTION

88-DR-1	selected grab sample of sulfide rich quartz vein
	in trench, up to 15% pyrite with minor
	chalcopyrite.
88-DR-2	float sample of chloritized feldspar porphyry with
	minor euhedral pyrite (1-2%) and chalcopyrite.
88-DR-3	sample of quartz vein from trench No. 1 with minor
	malachite stain.
88-D-4	quartz diorite with minor epidote stringers.
88-D-5	10 metre wide, north trending diorite dyke.
88-D-6	quartz diorite with magnetite and quartz
	stringers.
88-DR-7	altered volcanic (andesite) float sample with
	minor epidote and some pyrite.
88-D-8	quartz diorite.
88-D-9	quartz diorite with minor epidote stringers.
88-D-10	medium grain quartz diorite.
88-DR-11	silicified volcanic (andesite) with quartz vein,
	5% fine, disseminated pyrite.
88-D-12	medium grain quartz diorite with epidote flooding
	and in veinlets, minor pyrite.
88-D-13	0.5 metre wide feldspar porphyry dyke striking 90°
	cutting across quartz diorite.
88-DR-14	medium grain quartz diorite with epidote stringers
	and minor pyrite.
88-DR-15	chip sample across 1.5 metres of quartz diorite
	with epidote stringers and an aplite dyke.
88-D-16	7 cm wide aplite dyke striking 130°.
88-D-17	diorite.
88-DR-18	rusty float of diorite (?) at base of quartz
	diorite cliff.

