

83-245-11841  
5

Diamond drilling report on the  
Sicker 1,2,& Geo 1,& 2,  
mineral claims

Victoria mining  
division

N T S 92 B 13 E

Latitude 48°59' Longitude 123°45'

Owner Philip Lieberman

R.Lonsdale J.Gabbs  
drill contractors

R.Lonsdale

June 10, 1983

Core Logged by C. Burge

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**11,841**

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## I INTRODUCTION

### I.1 Location and Access

The property is located 10 km north of Duncan, B. C. on the southeast slopes of Little Sicker Mountain. The Trans-Canada Highway passes through the claims (Fig. 1).

### I.2 Property

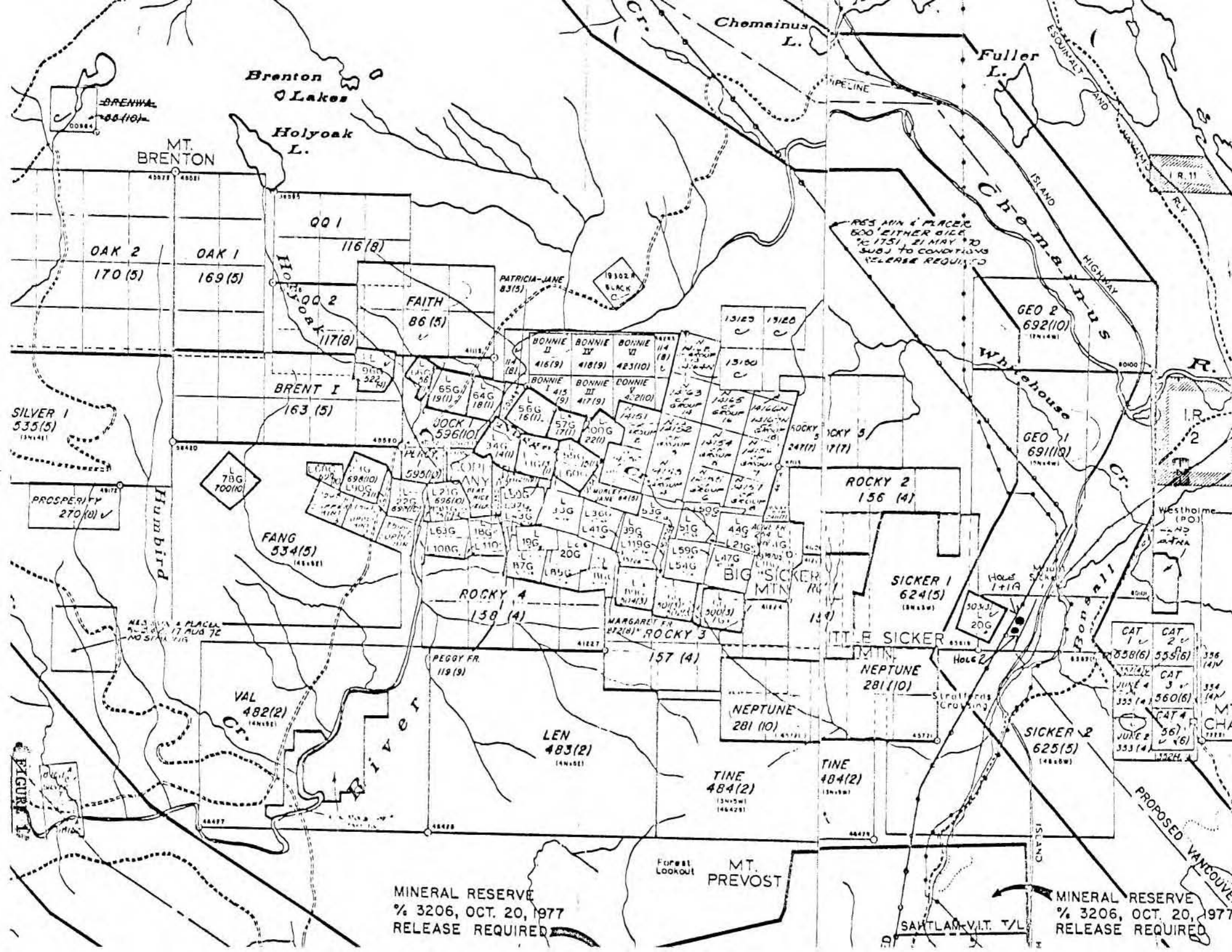
Claim status is as follows:

<u>Name</u>	<u>Record #</u>	<u>Owner</u>	<u>Recorded</u>
Sicker 1	624(5)	P. Lieberman	May 31, 1982
Sicker 2	625(5)	P. Lieberman	May 31, 1982
Geo 1	691(10)	P. Lieberman	October 7, 1982
Geo 2	692(10)	P. Lieberman	October 7, 1982

The claims are in the same belt and along strike to the east of the old Tyee and Lenora orebodies which produced a total of 275,000 tonnes of ore grading 3.31% Cu, 7.51% Zn, 94 g/T Ag and 4.46 g/T Au. The claims are underlain by Sicker volcanics and Cretaceous sediments. Potential for discovering ore is thought to be good.

### I.3 Work Done

Three diamond drill holes tested the property. A total of 107m of X-Ray drilling was done.



RES MIN & PLACED  
500' EITHER BILL  
1751, 21 MAY 70  
SUBJ TO CONDITIONS  
RELEASE REQUIRED

RES MIN & PLACED  
17 AUG 72  
NO SIGNIFICANT

CAT 1 ✓	CAT 2 ✓	356
558(6)	555(6)	141M
JUNE 4	CAT 3 ✓	354
355(4)	560(6)	141M
JUNE 2	CAT 4 ✓	353
353(4)	561(6)	141M
	562(6)	141M

MINERAL RESERVE  
% 3206, OCT. 20, 1977  
RELEASE REQUIRED

MINERAL RESERVE  
% 3206, OCT. 20, 1977  
RELEASE REQUIRED

FIGURE 1

## II TECHNICAL DATA AND INTERPRETATION

### II.1 Purpose

The purpose of the drilling was to test for sulphide mineralization on the Sicker 1, Sicker 2, Geo 1 and Geo 2 mineral claims. Potential was thought to be good because the claims are along strike from the old Lenora and Tyee deposits and are underlain by the same stratigraphy.

### II.2 Results

The holes intersected, andesites and limestones with disseminated pyrite throughout. Core was assayed for Cu, Zn, Pb, Ag and Au. Trace to minor amounts of all were found. Attached are drill logs for each of the holes.

### 11.3 Interpretation and Conclusions

While the holes intersected no massive sulphides similar to those in the Lenora and Tyee deposits disseminated sulphides were intersected and the rock types encountered are similar to those at Lenora-Tyee.

P H I L I P L I E B E R M A N

5070 Ash St.,  
Vancouver, B. C.  
V5Z 3G4  
May 31, 1983

REPORT OF DRILLING WORK DONE ON SICKER I & II AND GEO I & II -- Dec. 1982

PHYSICAL

Expenses, Travel, hotels, Hardware, supplies	1,724.15	
	991.73	
	<u>815.12</u>	3,531.00
Labor, Lonsdale & Gabbs: Oct. 8 - Dec. 21/82	1,500.00	
	3,000.00	
	2,000.00	
	5,000.00	
	<u>2,250.00</u>	13,750.00
		<u>17,281.00</u>
<u>Prospecting:</u> \$500.00 no written report.)		

DRILLING

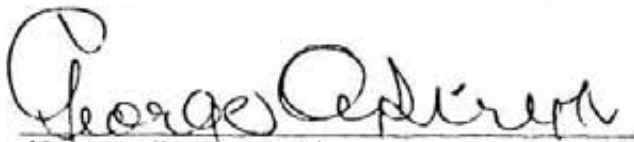
J. K. Smit & Co. Diamond Drills	9,234.14	
Tri-Mac Drilling	2,000.00	
Redhawk Rentals	953.60	
J. K. Smit	<u>596.50</u>	12,784.24

GEOCHEMICAL

Trace Elements -- Assays	94.00	
General Testing "	192.40	
General Testing "	<u>49.50</u>	335.90

Cost of Report, and Tri-mac (776.51) not included in above expenses.		<u>30,401.14</u>
--	--	------------------


Taken from the ledgers for the above properties.

  
 (George T. Oystryk)  
 OFFICE MANAGER.

Diamond Drill rental (Boyles X-Ray, 2 pumps) etc.	11,068.24
Diamond bits, core boxes, hose, tools etc.	1,716.00
Assays	335.90
Room & Board, 2 men x 45 days @ \$65.00 per day	2,925.00
Truck rental, 45 days @ \$30.00 per day	1,350.00
Transportation, Vancouver to Duncal: 16 trips @ \$21.00	336.00
Labor, re trails etc. clearing etc.	3,530.00
Labor: drilling 2 men -- entire period -- @ \$101.50 per man per day.	9,140.00

TOTAL COSTS:

\$ 30,401.14  
=====

  
\_\_\_\_\_  
(R. H. Lonsdale, DRILLER)



STATEMENT OF AUTHOR'S QUALIFICATIONS

This is state that Colin Burge obtained a B. Sc. degree in Earth Sciences from the University of Waterloo in 1981.

APPENDIX I: Drill Logs

## SICKER 1, 2 &amp; GEO 1, 2

FROM TO	ROCK TYPE	COLOR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO HOLE AXIS	ALTERATION	MINERALS	REMARKS
0.0-1.06	Overburden							
1.06-13.6	Mafic Volc'c	Green	Fine	Preferred orientation of mafic (hble) phenocrysts some up to 3-4mm... some schistosity  .96-.97 Epidote & Calcite vein - no sulphide 1.6-1.7 Limonite, brown, fracture zone 2.6-2.7 Calcite infilling fracture zone 4.2-4.3 Epidotized zone 4.94-4.95 Limonite zone 6.18 Pyrite vein width 1mm angle 90° to c.a. 6.2 Calcite plus minor pyrite development 6.54 Epidote vein no sulphide 6.7 Epidote vein some calcite 6.95-7.37 Epidote veining & increase in pyrite content around veins 7.54 Calcite vein 8.07 Epidote vein - 1mm calcite & pyrite 8.15 Epidote vein - 1mm calcite & pyrite 9.14-9.18 Epidote & calcite vein 9.35-9.41 Epidote vein, calcite & chlorite veining 9.48-9.5 Epidote & chlorite veining minor sulphide 10.84-11.6 Vertical shear - limonite 11.75-11.8 Calcite veining no sulphide	40°	Chloritization epidotization	Pyrite associated with epidote veining - minor pyrite disseminated in groundmass	Limonite staining of fractures - major minerals present pyroxene hornblende, epidote

UNIT NO.	ROCK TYPE	COLOR	GRAIN SIZE	TEXTURE & STRUCTURE	SCALE TO QUANTIFY	TEXTURE	MINERAL	REMARKS
13.6-21.95	Tuff	White to lt grey	medium-coarse	Porphyritic feldspar and quartz and some mafic minerals as phenocrysts in a siliceous matrix			None	Feldspars 1-2mm, subangular sub-hedral Quartz - light blue eyes, rounded 2mm
21.95-41.45	Mafic vnic's similar to Unit 1	dark green to light green	fine-medium	preferred orientation of mafic phenocrysts - slightly schistose		Chloritic epidotized zone	<1% disseminated pyrite	Mafic phenocrysts - up to 4mm hornblende increase in overall epidote content from Unit 1 increase in chlorite increase in calcite veining
				22.05-22.07 Calcite vein pyrite along boundary 22.40-22.41 Calcite & Epidote 2% pyrite 22.60-22.64 Epidote vein & calcite assoc'd pyrite 23.97-23.98 Epidote, calcite pyrite vein 24.90-24.92 Epidote vein, pyrite & minor calcite 25.2-25.25 Pyrite vein with calcite 50° to c.a. 25.6-25.65 Pyrite vein with calcite 45° to c.a. 26.09-26.19 Epidote vein with calcite & pyrite 26.60-26.63 Epidote vein minor calcite & pyrite 27.16 Minor pyrite vein 45° to c.a. 27.19 Minor pyrite vein 10° to c.a. 27.30-27.33 Epidote & calcite vein coarse pyrite crystals in chloritic matrix 29.0-29.03 Epidote plus calcite vein			10% pyrite over 4mm	

FROM TO	ROCK TYPE	COLOUR	GRAN SIZE	TEXTURE AND STRUCTURE	ANGLE TO LINE 21.5	DIRECTION	SULPHIDES	REMARKS
				31.65-31.69 Epidote vein minor calcite & pyrite disseminated in vein 31.56-31.57 Epidote vein at 45° to c.a. calcite, minor, pyrite 32.95-32.98 calcite veining 34.39-34.40 Calcite vein & some epidote 35.15-35.18 Epidote veining 37.65-37.19 Pervasive epidote alteration 38.85 Hematite stained fracture set 42.14 EOH				

## SICKER 1, 2 &amp; GEO 1, 2

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULFIDES	REMARKS
0.0-15.51	Mafic volc's	med-dk green	fine - medium	Preferred orientation of mafic phenocrysts giving slight schistosity  .5-.65 pervasive epidote alteration with 1% pyrite .52-.53 epidote and calcite vein 1.74-2.74 disseminated coarse grain pyrite & veining up to 10% pyrite, high chlorite content, calcite veining 6.6-6.65 Epidote veining & calcite 7.21-7.22 epidote vein 14.01-14.03 high epidote content pervasive, calcite and pyrite	45°	Chloritic, epidotized, pervasive	<1% disseminated pyrite	Mafic phenocrysts up to 4mm (hble) high epidote content, chlorite & calcite
15.51-21.18	Medium Volc's	lt. green	medium	Feldspar phenocrysts aligned mafic phenocrysts high calcium content		Epidote	1% pyrite	
EOH								

## SICKER 1, 2 &amp; GEO 1, 2

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANALYTICAL DATA	SILICIFICATION	SULPHIDES	OTHERS
0-2.9	Overburden							
2.9-37.0	Silicified Volcanic	lt. grey green	fine	Some mafic crystals show preferred orientation appears fragmental in some zones  2.9-7.0 numerous near surface fractures calcite & limonite infilling - minor pyrite 4.4-4.41 epidote & sulphide vein with calcite pyrite & minor chalcocopyrite 4.79 Calcite & sulphide vein with pyrite and minor chalcocopyrite 10.42-13.22 Strongly veined with epidote .05 min width 20.44-37.0 Increase in chlorite content, appearance of hematite in fractures 27.06-27.08 Calcite vein 31.98-32.02 Calcite crystal growth in fracture 31.28-31.38 Calcite and epidote veining with minor pyrite 33.08-33.18 Epidote & calcite veining with pyrite 34.23-34.28 Chloritic zone 34.48-34.68 Tuff-lt. grey, subrounded feldspars, rounded qtz eyes, siliceous groundmass 34.48-36.48 Highly chloritic zone - calcite veining		Silicification Epidotized	Minor pyrite <1% predominately in fractures	High epidote content numerous calcite veins, chlorite
37.0-97.8	Intermediate Volcanic	lt. grey to grey	medium	porphyritic phenocrysts of subangular feldspar laths, & quartz - up to 1mm siliceous matrix, fragmental zones - tuffaceous nature? ratio of mafic to felsic		Silicified zones	1-2% disseminated pyrite also associated with calcite veining  amount of sulphide varies	numerous calcite veins fractures commonly have a pinkish-red variety of hematite as coating

FROM TO	ROCK TYPE	COLOR	GRAN SIZE	TEXTURE & STRUCTURE	ANALYTICAL DATA	ALTERATION	SULPHIDES	REMARKS
				<p>components vary through the unit - degree of silicification varies also throughout unit.</p> <p>45.72-1cm quartz vein with calcite &amp; coarse-grain pyrite 45% to c.a.</p> <p>76.3 6 cm quartz vein no mineralization</p> <p>79.0-85.3 Chlorite of a brown variety occurring in fractures</p> <ul style="list-style-type: none"> <li>- appears to be part of the same overall unit</li> <li>- heavy calcite veining &amp; increase in overall sulphides → 3%-4% pyrite - minor chalco</li> </ul> <p>83.83-83.84 Calcite vein with 30% pyrite - minor chalco</p> <p>84.12-84.13 Calcite vein with 20% pyrite - minor chalco</p> <p>87.77-87.80 1cm fragmental zone infilled with mainly fine grain pyrite - minor chalco</p> <p>89.2-92.7 Epidote rich zone</p> <ul style="list-style-type: none"> <li>- no sulphide</li> <li>- epidote veining - minor sulphide also calcite veining</li> </ul> <p>97.45-97.46 Calcite vein with coarse pyrite crystals</p> <p>97.8 E.O.H.</p>			<p>but generally more in felsic zones up to 2%</p> <ul style="list-style-type: none"> <li>- chalcopyrite occurrences minor and usually with pyrite in fracture.</li> <li>- occasional quartz veins 1-2mm width.</li> </ul>	<ul style="list-style-type: none"> <li>- more mafic zones have well rounded lt. blue quartz eyes</li> </ul>



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TO:  
PHICO RESOURCES  
535 A West 57th Ave.,  
Vancouver, B.C.  
  
*MT SICKER DRILLING*

## CERTIFICATE OF ASSAY

No. *5532-1554*      DATE: *Feb. 23/82*

*R. LONSDALE*

We hereby certify that the following are the results of assays on: *IDE* samples

MARKED	GOLD	SILVER	Copper	Lead	Zinc	Cadmium	XXX	XXI
	oz/ft	oz/ft	Cu (%)	Pb (%)	Zn (%)	Cd (%)		
55301	0.002	trace	0.003	0.006	0.005	< 0.001		
55302	0.002	trace	0.002	0.043	0.003	< 0.001		
55303	0.002	trace	0.002	0.007	0.003	< 0.001		
55304	0.002	0.05	0.001	0.005	0.003	< 0.001		
55305	0.002	0.10	0.002	0.100	0.004	< 0.001		
55306	0.002	0.05	0.001	0.007	0.005	< 0.001		
55307	0.002	0.09	0.002	0.008	0.006	< 0.001		
55308	0.002	0.02	0.001	0.006	0.005	< 0.001		
55309	0.002	0.05	0.001	0.005	0.003	< 0.001		
55310	0.002	0.05	0.001	0.015	0.004	< 0.001		
55311	0.002	0.05	0.001	0.006	0.005	< 0.001		
55312	0.002	0.09	0.001	0.008	0.004	< 0.001		
55313	0.002	0.10	0.001	0.004	0.004	< 0.001		
55314	0.002	0.10	0.001	0.005	0.005	< 0.001		
55315	0.002	0.10	0.001	0.035	0.005	< 0.001		
55316	0.002	0.08	0.001	0.005	0.006	< 0.001		
55317	0.002	0.11	0.003	0.008	0.005	< 0.001		
55318	0.002	0.15	0.001	0.005	0.008	< 0.001		
55319	0.004	0.20	0.001	0.008	0.004	< 0.001		
55320	0.010	0.20	0.001	0.007	0.008	< 0.001		
55321	0.002	0.25	0.001	0.004	0.005	< 0.001		
55322	0.002	0.22	0.001	0.007	0.003	< 0.001		
55323	0.002	0.05	0.001	0.011	0.004	< 0.001		
55324	0.002	0.11	0.001	0.005	0.004	< 0.001		
55325	0.002	0.20	0.001	0.005	0.005	< 0.001		
55326	0.002	0.21	0.001	0.048	0.028	< 0.001		
55327	0.002	0.19	0.001	0.008	0.005	< 0.001		
55328	0.002	0.20	0.002	0.076	0.005	< 0.001		
55329	0.002	0.16	0.001	0.006	0.005	< 0.001		
55330	0.002	0.20	0.001	0.009	0.005	< 0.001		
55331	0.002	0.19	0.002	0.027	0.005	< 0.001		
55332	0.002	0.22	0.001	0.062	0.004	< 0.001		
55333	0.002	0.24	0.001	0.008	0.005	< 0.001		
55334	0.002	0.23	0.001	0.010	0.004	< 0.001		
55335	0.002	0.20	0.001	0.017	0.005	< 0.001		
55336	0.002	0.15	0.001	0.007	0.004	< 0.001		

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*L. Wong*  
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