

GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORTS
DATE RECEIVED JAN 15 1997

**GEOLOGICAL AND GEOCHEMICAL REPORT  
ON THE GOLDER CLAIM GROUP**

(Boulder Gold 7-210950, Golder 2-300065, Sunstar 14-342078,  
Sunstar 15-306378 Claims)

Fort Steele Mining Division  
N.T.S. 82G/11W, 82G/12E  
Latitude 49 42' North  
Longitude 115 32' West  
British Columbia

on behalf of  
402813 Alberta Limited  
Box 3578  
Airdrie, Alberta

<b>RECEIVED</b> GOVERNMENT AGENT CRANBROOK
<b>JAN 10 1997</b>
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Work Performed From September 19 To September 26, 1996

**GEOLOGICAL SURVEY BRANCH  
REPORTED BY: RICK SKOPIK  
ASSESSMENT REPORT**

DATE: DECEMBER 11, 1996

**24,683**

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## 1.0 INTRODUCTION

### 1.1 OBJECTIVE

R. Skopik Consulting was contracted by 402813 Alberta Limited of Airdrie, Alberta to evaluate the gold and base metal potential of the Golder Claim Group near Fort Steele, British Columbia. A proposal to examine old workings on the Golder claim and to follow-up encouraging Au soil anomalies on the Sunstar 14 claim was submitted. The proposal was based on recommendations arising from results of the 1995 field program (Olfert E, 1996).

### 1.2 1996 FIELD PROGRAM

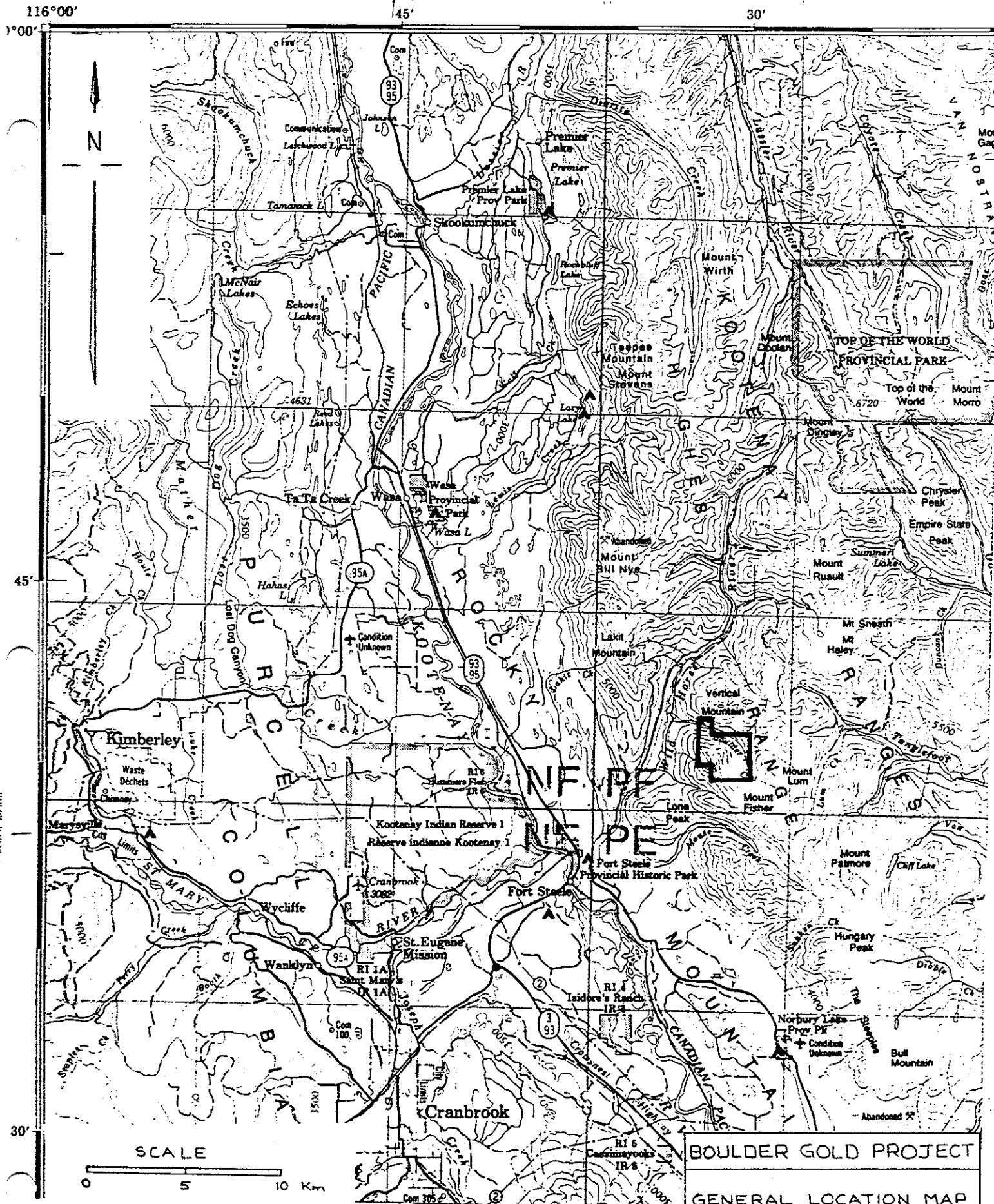
The 1996 field program consisted of mapping of old workings (Fisher Showings) and lithogeochemical sampling near soil anomalies delineated in surveys during 1995. Reconnaissance contour soil sampling was conducted on the Sunstar 15 claim. The field program was conducted from September 19 to September 26, 1996 by a crew of three personnel. This report summarizes results of soil-sampling, rock-sampling and geological mapping results generated by the 1996 program.

### 1.3 LOCATION AND ACCESS

The property is located in Fort Steele Mining Division of B.C. (N.T.S. 82G/11E, 82G/12W). The nearest supply centre is Cranbrook, B.C., approximately 30 km to the southeast (Figure 1).

The property lies within the rugged Continental Ranges between 1065 and 2315m.

Access is from Fort Steele via logging roads flanking the Wild Horse River. Logging and mining roads provide access to higher elevations.



## 2.0 LAND STATUS

The Golder claim-group consists of 4 claims totaling 28 units (Table 1, Figure 2).

TABLE 1 CLAIM STATUS

<u>CLAIM</u>	<u>RECORD #</u>	<u>UNITS</u>	<u>EXPIRY DATE</u>
Boulder Gold 7	210950	1	Oct.18, 96
Golder 2	300065	12	May 18, 97
Sunstar 14	342078	6	Nov. 3, 96
Sunstar 15	306378	<u>1</u>	Nov. 3, 96
Total		20	

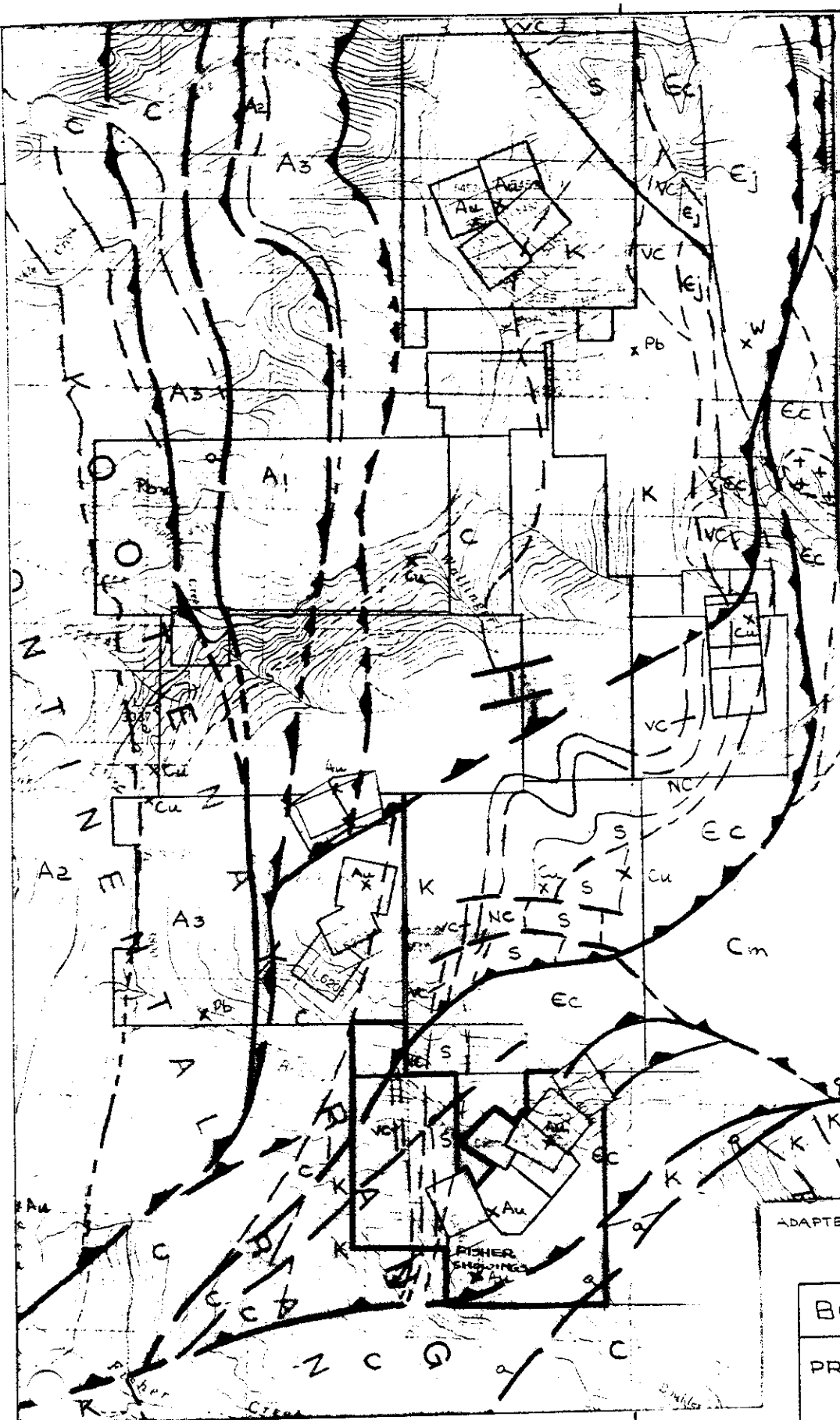
## 3.0 REGIONAL GEOLOGY

The area has been mapped by Rice, H.M.A. (1937), Leach, G.B. (1960) and Hoy, T (1978,1993). The area is underlain by a thick clastic carbonate and volcanic sequence of Hadrynian/Helikian age. The rocks are known as the Purcell Supergroup in Canada and the Belt Supergroup in the United States. These rocks are folded into a broad north-trending anticlinorium that is transected by strike-slip, normal and thrust faults. Several quartz- monzonite to syenite plugs and associated dykes were emplaced into the sequence during the Cretaceous Age.

## 4.0 PROPERTY GEOLOGY

The western portion of the property is underlain by the Aldridge Formation (Figure 3). This sequence is overlain by increasingly younger units of the Purcell Supergroup(Creston Formation quartzite at the base to Shepard Formation dolomites and siltstones at the top). The eastern margin of the property is capped by a wedge of Cambrian quartzites(Cranbrook Formation). North-south and northeast-southwest thrust and strike-slip faults transect the area.





49°45'



### LEGEND

#### CRETACEOOLS

\* \* QUARTZ MONZONITE, SYENITE

#### CAMBRIAN

EC CRANBROOK FORMATION: QUARTZITE

EJ JUBILEE FORMATION: DOLOMITE, MARBLE

#### HADRYNIAN/HELIKIAN PURCELL SUPERGROUP

S SHEPARD FORMATION: DOLOMITE, SILTSTONE

NC NICOL CREEK FORMATION: LAVA FLOWS

VC VAN CREEK FORMATION: SILTSTONE, ARGILLITE

K KITCHENER FORMATION: DOLOMITE, SILTSTONE

C CRESTON FORMATION: ARGILLITE, QUARTZITE  
ALDRIDGE FORMATION

A3 ARGILLITE

A2 QUARTZITE, SILTSTONE

A1 ARGILLITE, SILTSTONE

GEOLOGICAL CONTACT:  
DEFINED, APPROXIMATE

FAULT:  
DEFINED APPROXIMATE

THRUST      NORMAL  
MINERALIZATION      x

ADAPTED FROM HOY (1993)

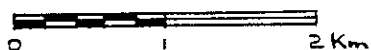
BOULDER GOLD

PROPERTY GEOLOGICAL  
MAP

DATE NOV 93      NTS 82G/11-14

SCALE 1:50,000      FIGURE 3

SCALE



115° 30'



Stratiform Pb/Zn deposits such as the Sullivan and Kootenay King are hosted within the Aldridge Formation. Precious and base metal mineralization are hosted in quartz veins and syenitic dykes localized within fault structures.

Several old workings(Fisher Showings) are located in the southwest corner of the Golder claim. Quartz-carbonate-hematite altered structures up to 5 meters wide contain narrow(10-50cm wide) quartz veins hosting sporadic pyrite and galena and traces of chalcopyrite. Grab samples yield up to 5 grams of gold(Figure 4). The alteration zone and central mineralized quartz vein are exposed in a number of old pits, trenches, open cuts and adits.

## **5.0 FISHER SHOWINGS**

### **5.1 GEOLOGY**

Two main adits and several pits, trenches and open cuts intermittently expose a quartz-carbonate-hematite alteration zone over a strike length of 110m(Figure 4). The alteration zone trends northwest-southeast(340°). The alteration zone is up to 5m wide and contains a central mineralized vein system up to 1 meter wide. Individual veins/veinlets in the central vein system measure from 1 cm to 0.5m and carry sporadic pyrite, galena, tetrahedrite and rare chalcopyrite.

The alteration zone cuts Shepard Formation algal dolomites and gray thinly bedded dolomites; argillite exposures are found nearby(Figure 4).

### **5.2 LITHOGEOCHEMISTRY**

Rock samples were prepared and analyzed for Au(fire assay and ICP metal and oxide content at Loring Laboratories Limited. of Calgary. Selected grab samples yield gold values up to 5 grams/ton but chip sample results are significantly lower(0.09 grams/ton). Silver (0.1-251.7 ppm) and lead (10-18126 ppm) values range widely whereas copper(6-38 ppm) and zinc (29-43 ppm) values are generally low.

### **5.3 CONCLUSIONS AND RECOMMENDATIONS**

Gold appears to be closely associated with pyrite and galena. Chip sampling indicates that gold grade-thickness is too low to be economic. Silver and lead are too localized to be of economic interest.

As yet undiscovered zones that have been structurally thickened by faulting and upgraded by remobilization may represent the best potential for economic deposits in the area. No additional work is proposed in the area.

## **6.0 LITHOGEOCHEMICAL SAMPLING SUNSTAR 14**

### **6.1 GEOLOGY**

The Sunstar 14 claim (Map 1) is underlain by mafic volcanics (Nicol Creek Formation), algal dolomite (Shepard Formation) and quartzites and argillites (Cranbrook Formation). Quartz-carbonate-hematite alteration is evident at most anomalous soil sample sites.

### **6.2 LITHOGEOCHEMISTRY**

Rock sample composites were collected above anomalous soil sample sites. Rock samples were prepared and analyzed for Au (fire assay), and ICP analysis at Loring Laboratories Ltd. of Calgary. Results are plotted on Map 1.

Gold values range from less than 5 to 2777 ppb. Sample 96RS-04 (2777 ppb Au) was collected near an anomalous soil sample location at 1800/350E. The sample consists of several grabs from nearby quartzite outcrops. The quartzite is cut by numerous secondary quartz veinlets carrying minor specular hematite. ICP analysis of this sample indicates that other elements are not related to the high gold content.

No other significant gold or ICP analyses are present in the 1996 follow-up rock samples.

### **6.3 CONCLUSIONS AND RECOMMENDATIONS**

Follow-up stripping/trenching/sampling should be undertaken near 1800/350E to determine the cause of the high gold value from sample RS96-04.

## **7.0 RECONNAISSANCE SOIL SAMPLING SUNSTAR 15**

### **7.1 INTRODUCTION**

Two reconnaissance soil traverses were conducted across the Sunstar 15 claim (Figure 6). Sixteen samples were collected at 50m intervals. Topography slopes steeply to the south over the sampled area. The soil horizon is very thin and the B horizon is generally not well represented. Samples in many cases are composites of A, B and C horizon material.

Samples were prepared(a number of samples had insufficient soil material and required crushing of rocks to provide enough material for analysis) and analyzed by Loring Laboratories Limited of Calgary. All samples were analyzed for Au(fire assay); results are compiled in the appendix.

### **7.2 SOIL SAMPLE RESULTS**

Soil results are presented on Figure 5. Gold values are less than 5 ppb reflecting background gold values.

### **7.3 CONCLUSIONS AND RECOMMENDATIONS**

No significant results are apparent on the Sunstar 15 claim and additional work is not proposed. Consideration should be given to allow Sunstar 15 to lapse.

## **8.0 RECONNAISSANCE SAMPLING GOLDER 2 CLAIM**

A reconnaissance traverse was conducted to examine the eastern portion of the Golder 2 claim. The area is underlain primarily by phyllite. An exposure of rusty phyllite is located near an anomalous(55ppb Au) soil sample(H1700-4) collected in 1993. Rock sample RS

96-16 collected from a rusty sub-vertical shear cutting the phyllite returned a value of <5 ppb Au. Base metal values are also low.

A quartzite float containing trace chalcopyrite and minor malachite stain was collected on the road to the Midas showing. Sample RS 96-17(Map 1) returned values of <5 ppb Au and background base metal values. The original location of the float is unknown.

Little encouragement is evident in the eastern part of the Golder 2 claim and additional work is not recommended. The eastern part of the Golder 2 claim should be dropped, reducing the claim to a 4 South by 3 East(12 unit) claim.

## STATEMENT OF QUALIFICATIONS

I, Rick Skopik of 1904 Veiner Street N.E. in the City of Calgary in the Province of Alberta, certify that:

1. I am a consulting geologist of Rick Skopik Consulting with an office at 1904 Veiner Street, N.E., Calgary, Alberta.
2. I am a graduate of the University of Calgary, B.Sc. in Geology (1979) and have practiced my profession continuously since then.
3. I am the author of the report "Geological and Geochemical Report on the Golder Claim Group, Fort Steel Mining Division, British Columbia" dated December 11, 1996. I directly supervised the work described herein.
4. I do not own or expect to receive any interest (direct, indirect or contingent) in the properties described herein, in respect of services rendered in the preparation of this report.

Dated at Calgary, Alberta this 31st day of December 1996.

Respectively submitted,



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R. Skopik, B.Sc.

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filed in 1991, 1992, 1993.

## APPENDIX

PERSONNEL

STATEMENT OF EXPENDITURES

ANALYTICAL PROCEEDURES

ROCK DESCRIPTIONS

GEOCHEMICAL ANALYSES

ROCK SAMPLE Au ANALYSES

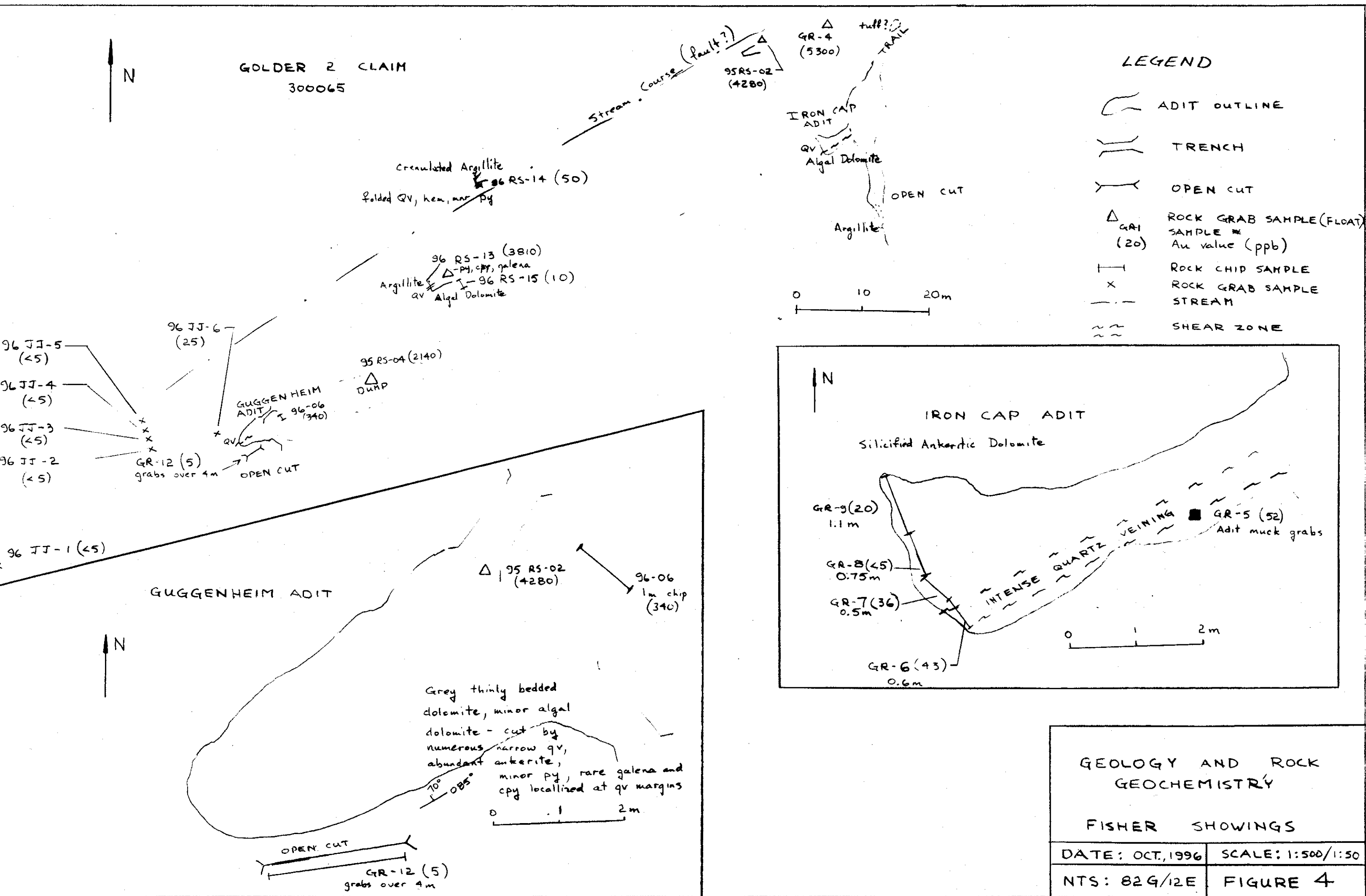
ROCK SAMPLE ICP ANALYSES

SOIL SAMPLE ANALYSES



## PERSONNEL

<u>Name/Address</u>	<u>Activity</u>	<u>Dates Worked</u>	<u>Man Days</u>
R. Skopik 1904 Veiner St. N.E. Calgary, Ab.	Rock Sampling/ Mapping Report Prep.	Sept. 12-19, 1996 Oct. 22-Dec 31, 1996	8 4
C.K. Ho Box 3578 Airdrie, Ab.	Rock Sampling/ Soil Sampling	Sept. 12-19, 1996	8
Jason Jacobs Site 18, 17 3300 Albert Rd. Cranbrook, B.C.	Rock Sampling	Sept. 13,15,17	3



# STATEMENT OF EXPENDITURES    GOLDER GROUP CLAIMS 1996

MOTEL		345.00	
FOOD		451.77	
RENTALS			
4x4 truck 8 days@ \$50.00/day		400.00	
cell phone 1 day@ \$15.00/day		15.00	
taxi		45.00	
REPAIRS			
tires	480.96		
hub cap	<u>56.00</u>		
		536.96	
EQUIP.		158.02	
FUEL		119.00	
LABOUR			
geologist 8 days@ \$300.00/day+ GST	2568.00		
sampler 8 days@ \$120.00/day	960.00		
sampler 3 days@ \$120.00/day	<u>360.00</u>		
		3888.00	
ANALYSES		652.97	
RPT. PREP. geologist, 4 days@ 300.00/day + GST	1284.00		
rpt. reproduction	<u>41.29</u>		
		<u>1325.29</u>	
TOTAL			7937.01



# LORING LABORATORIES LTD.

Calgary, Alberta T2N 1T6

Tel: (403) 274-2777

Fax: (403) 275-0541

## PREPARATION PROCEDURES FOR GEOCHEMICAL SAMPLES

### SOIL AND SILTS:

- A) The soil sample bags are placed in dryers to dry at 105 C.
- B) Each sample is broken up using wood hammer and passed through an 80 mesh nylon sieve. The + 80 mesh material is discarded.
- C) The - 80 mesh material is transfer into a zip-lock plastic bag and delivered to the laboratory for analysis.

## ANALYTICAL PROCEDURES FOR 30 ELEMENTS ICP

- A) 0.500 gm. of sample is digested with 3 ml of 3-1-2 HCL-HNO<sub>3</sub>-H<sub>2</sub>O at 95 degree C for one hour and is diluted to 10 ml with water in test-tube.
- B) The test-tubes is shaken and the solution is mixed thoroughly.
- C) The samples are loaded into auto-sampler of the ICP unit and run with standard when the setup is completed.

## GEOCHEMICAL ANALYSIS OF GOLD BY FIRE ASSAY/AA

- A) Weigh 10 grams of sample into a fire assay crucible with appropriate amount of fluxes and flour and mix.
- B) Add palladium inquart.
- C) Place crucible in assay furnace and fuse for 40 minutes.
- D) Pour samples, remove slag and cupel buttons.
- E) Place bead in test tubes and dissolve with aqua-regia.
- F) After dissolution is completed, make to appropriate volume and run against similarly prepared gold standards on Atomic Absorption unit.

# ROCK SAMPLE DESCRIPTIONS

<u>SAMPLE #</u>	<u>TYPE</u>	<u>LOCATION</u>	<u>DESCRIPTION</u>
JJ96-01-06	grab	near Iron Cap	dol/ qtz-carb-hem, tr py
RS96-01	grab	from adit 1800/330E	dol/qtz-carb-hem alteration
RS96-02	grab	near adit 1810/330E	dol/qtz-carb-hem alteration
RS96-03	grab	1875/330E	dol/qtz-carb-hem alteration
RS96-04	grabs	near 1800/350E	qtz veinlets cutting quartzite,mnr hem
RS96-05	grab	trench 1750/310E	rusty qtz-carb vein-E-W/subvertical
RS96-06	1m chip	Iron Cap adit	qtz-carb vein-mnr py,galena,rare cpy
RS96-07	2m chip	1725/200E	dol/qtz-ankerite alteration,mnr py
RS96-08	grab	1725/200E	dol/qtz-carb veinlets,abnt hem
RS96-09	grab	1725/200E	dol/tr diss. py
RS96-10	float	1715/250E	dol/ankerite alteration,abnt hem
RS96-11	grabs	near 1700/250E	thinly bedded shale,mnr limonite
RS96-12	grab	1650/275E	green tuff? intense limonite stain
RS96-13	float	from adit below Iron Cap	dol/qtz-carb veinlets,mnr py, galena,cpy
RS96-14	grab	from adit north of stream	folded qtz vein cutting crenulated phyllite(hanging wall of fault?)
RS96-15	1m chip	from adit below Iron Cap	dol/intense ankerite alteration mnr py
RS96-16	grab	east of Big Chief	phyllite/mnr lmn stn
RS96-17	float	on road Boulder Gold 7	qtz vein/mnr malachite stain

To : 402813 ALBERTA LTD.  
P.O. Box 3578  
Airdrie, Alberta  
T4B 2B8  
ATTN : Dr. C.K. Ho



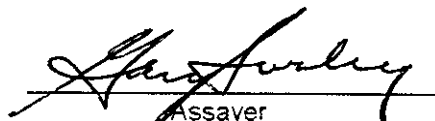
**Certificate of Assay**  
**Loring Laboratories Ltd.**

629 Beavertown Road, NE Calgary Alberta  
Tel: (403)274-2777 Fax: (403)275-0541

File No : 38554  
Date : October 9, 1996  
Samples : Rock  
Project :  
P.O.#

Sample No.	PPB Au
<b>"Geochemical Analysis"</b>	
JJ-96 - 01	<5
JJ-96 - 02	<5
JJ-96 - 03	<5
JJ-96 - 04	<5
JJ-96 - 05	<5
JJ-96 - 06	<5
RS-96 - 01	25
RS-96 - 02	<5
RS-96 - 03	10
RS-96 - 04	2777
RS-96 - 05	15
RS-96 - 06	340
RS-96 - 07	<5
RS-96 - 08	<5
RS-96 - 09	<5
RS-96 - 10	<5
RS-96 - 11	<5
RS-96 - 12	<5
RS-96 - 13	3810
RS-96 - 14	50
RS-96 - 15	10
RS-96 - 16	<5
RS-96 - 17	<5

I HEREBY CERTIFY that the above results are those assays  
made by me upon the herein described samples :

  
Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.



## Loring Laboratories Ltd.

629 Beaverdam Road N.E.,  
Calgary Alberta T2K 4W7  
Tel: 274-2777 Fax: 275-0541

TO: Dr. C.K. Ho  
FILE # 38554

DATE: October 7, 1996

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
JJ-96-01	1	791	27	30	< 3	11	5	1288	2.99	2	< 5	< 2	3	44	0.2	< 2	3	2	6.44	0.080	2	118	2.07	32	< .01	< 3	0.09	0.01	0.05	< 2
JJ-96-02	1	98	53	51	< 3	15	2	3300	6.46	2	< 5	< 2	2	104	0.2	< 2	6	3	26.07	0.010	3	15	12.84	20	< .01	< 3	0.03	0.01	0.02	< 2
JJ-96-03	1	127	23	25	< 3	8	4	1336	2.89	< 2	< 5	< 2	< 2	30	0.4	< 2	2	2	4.45	0.042	< 1	134	1.21	25	< .01	3	0.03	0.01	0.03	< 2
RE JJ-96-03	< 1	124	21	23	< 3	9	4	1305	2.78	< 2	< 5	< 2	< 2	29	< 2	< 2	< 2	2	4.26	0.041	1	127	1.17	31	< .01	4	0.04	0.01	0.03	< 2
JJ-96-04	< 1	48	23	60	< 3	34	7	8851	14.40	< 2	< 5	< 2	4	87	< 2	< 2	< 2	5	20.58	0.039	2	54	1.26	51	< .01	< 3	0.03	< .01	0.03	< 2
JJ-96-05	2	27	35	42	0.3	13	11	3444	7.15	2	< 5	< 2	4	48	0.7	< 2	< 2	5	9.36	0.348	2	95	1.95	93	< .01	4	0.15	< .01	0.08	< 2
JJ-96-06	3	11	17	29	< 3	24	11	3760	6.30	< 2	< 5	< 2	3	6	< 2	< 2	< 2	4	0.26	0.030	1	212	0.09	40	< .01	< 3	0.10	0.01	0.05	< 2
RS-96-01	1	85	48	35	< 3	24	29	141	1.05	< 2	< 5	< 2	< 2	1	< 2	< 2	< 2	2	0.05	0.008	1	166	0.02	16	< .01	4	0.03	< .01	0.02	< 2
RS-96-02	3	62	91	111	< 3	6	5	217	1.15	< 2	< 5	< 2	2	4	0.3	< 2	< 2	4	0.10	0.043	8	144	0.02	22	< .01	4	0.13	< .01	0.07	< 2
RS-96-03	1	32	28	34	< 3	16	15	786	2.92	< 2	< 5	< 2	< 2	18	0.3	< 2	< 2	4	3.57	0.009	2	115	1.50	62	< .01	4	0.03	0.01	0.03	< 2
RS-96-04	3	23	41	40	< 3	5	3	196	1.14	< 2	< 5	< 2	3	6	0.3	< 2	< 2	3	0.48	0.047	8	131	0.17	36	< .01	7	0.10	< .01	0.08	< 2
RS-96-05	< 1	19	19	27	0.3	28	24	1929	6.14	< 2	< 5	< 2	4	118	0.4	< 2	< 2	7	12.68	0.017	2	80	3.79	19	< .01	< 3	0.03	< .01	0.02	< 2
RS-96-06	10	23	5337	40	22.0	7	3	1295	3.25	< 2	< 5	< 2	2	62	0.8	3	33	2	8.56	0.029	1	124	2.62	1	< .01	< 3	0.06	< .01	0.04	< 2
RS-96-07	1	15	21	20	< 3	11	10	1772	3.35	< 2	< 5	< 2	11	26	< 2	< 2	< 2	3	1.59	0.198	27	97	0.32	84	< .01	4	0.35	< .01	0.24	< 2
RS-96-08	2	7	25	19	< 3	8	6	490	4.00	< 2	< 5	< 2	9	10	< 2	< 2	3	5	0.39	0.103	17	136	0.06	62	0.01	< 3	0.22	< .01	0.15	< 2
RS-96-09	< 1	12	19	16	< 3	14	8	4225	8.87	< 2	< 5	< 2	9	9	< 2	3	2	14	0.53	0.138	28	140	0.05	144	0.05	3	0.22	< .01	0.14	< 2
RS-96-10	1	16	15	23	< 3	12	9	5830	6.30	2	< 5	< 2	6	173	0.5	< 2	< 2	4	20.92	0.067	6	56	2.77	44	< .01	7	0.40	0.01	0.04	< 2
RS-96-11	< 1	24	19	138	< 3	60	21	670	5.38	< 2	< 5	< 2	15	14	< 2	2	< 2	15	0.36	0.042	43	55	1.11	64	< .01	< 3	2.80	0.02	0.16	< 2
RS-96-12	1	18	16	49	< 3	9	6	1272	5.72	3	< 5	< 2	8	146	0.5	< 2	< 2	11	5.89	0.528	17	111	1.15	43	< .01	5	1.23	0.01	0.07	< 2
RS-96-13	4	8	17679	22	108.1	4	3	706	1.91	< 2	< 5	3	< 2	36	1.8	10	186	1	4.48	0.009	1	162	1.58	1	< .01	5	0.02	< .01	0.01	< 2
RS-96-14	< 1	6	146	46	0.6	20	3	1170	6.32	< 2	< 5	< 2	2	23	0.4	< 2	2	2	6.20	0.024	< 1	103	0.80	4	< .01	3	0.07	< .01	0.05	< 2
RS-96-15	2	13	77	55	< 3	19	6	3983	8.97	< 2	< 5	< 2	4	109	0.8	< 2	2	3	22.64	0.013	1	12	9.05	16	< .01	< 3	0.04	< .01	0.02	< 2
RS-96-16	1	37	118	156	< 3	65	19	264	6.62	4	< 5	< 2	5	10	< 2	11	3	18	0.17	0.028	4	58	0.93	42	< .01	< 3	2.87	0.03	0.10	< 2



## Loring Laboratories Ltd.

629 Beaverdam Road N.E.,  
Calgary Alberta T2K 4W7  
Tel: 274-2777 Fax: 275-0541

TO: Dr. C.K. Ho  
FILE # 38554

DATE: October 7, 1996

ELEMENT	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W
SAMPLES	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm
RS-96-17	1	13	29	20	< .3	74	5	721	1.86	19	< 5	< 2	2	75	0.3	< 2	< 2	27	17.52	0.005	1	741	8.80	119	< .01	< 3	0.25	0.02	0.09	< 2
STANDARD C2	21	61	39	152	6.8	76	38	1161	3.96	38	17	8	36	52	21.3	17	18	74	0.54	0.105	39	65	1.02	211	0.08	29	2.08	0.06	0.15	10



To: 402813 ALBERTA LTD.  
P.O. Box 3578  
Airdrie, Alberta  
T4B 2B8  
ATTN: Dr. C.K. Ho



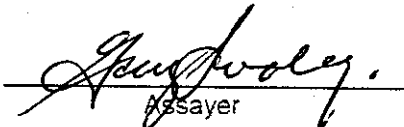
**Certificate of Assay**  
**Loring Laboratories Ltd.**

629 Beavertown Road, NE Calgary Alberta  
Tel: (403)274-2777 Fax: (403)275-0541

File No : 38554  
Date : October 9, 1996  
Samples : Soil  
Project :  
P.O.#

Sample No.	PPB Au
<b>"Geochemical Analysis"</b>	
96-1400 - 01	<5
96-1400 - 02	<5
96-1400 - 03	<5
96-1400 - 04	<5
96-1400 - 05	<5
96-1400 - 06	<5
96-1400 - 07	<5
96-1400 - 08	<5
96-1400 - 09	<5
96-1420 - 10	<5
96-1420 - 11	<5
96-1430 - 12	<5
96-1450 - 13	<5
96-1450 - 14	<5
96-1420 - 15	<5
96-1430 - 16	<5

I HEREBY CERTIFY that the above results are those assays  
made by me upon the herein described samples :

  
Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.

