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# PROSPECTING REPORT SOIL & ROCK GEOCHEMISTRY

## SILVER HOARD GROUP AINSWORTH, B.C.



**Mining Division:** SLOCAN  
**Latitude:** 49° 44' 27" N  
**Longitude:** 116° 56' 53" W  
**NTS Maps:** 82F/10W, 82F/15W

**OWNERS, OPERATORS, AUTHORS:**

**B. Bourdon, L. Addie**

GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT

**JUNE 22, 1997 Nelson, B.C.**

25,055

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## **1.0 INTRODUCTION:**

This report has been prepared for the purpose of filing for assessment work credit and fulfilling the requirements of the Mineral Act and Regulations.

Field work on the **SILVER HOARD CLAIM GROUP** was carried out from March 31, 1996 to December 15, 1996 by L. Addie and R. Bourdon. Work consisted of establishing 5 small soil sampling grids and excavating about a dozen small hand pits. A total of 170 soil samples, 61 rock samples and 17 stream sediment samples were collected and analyzed.

## **2.0 PROJECT RATIONALE:**

The style of mineralization at the Silver Hoard Group has been previously identified as REPLACEMENT type . Past work has consisted of rock sampling and mining, with diamond drilling only on a few zones. The BLUEBELL mine is located within ten kilometers to the North East of the Silver Hoard Group and it produced 4,774,123 tonnes which contained 233,800,528 kilograms of LEAD, 249,022,008 kilograms of ZINC and 211,011,383 grams of SILVER.

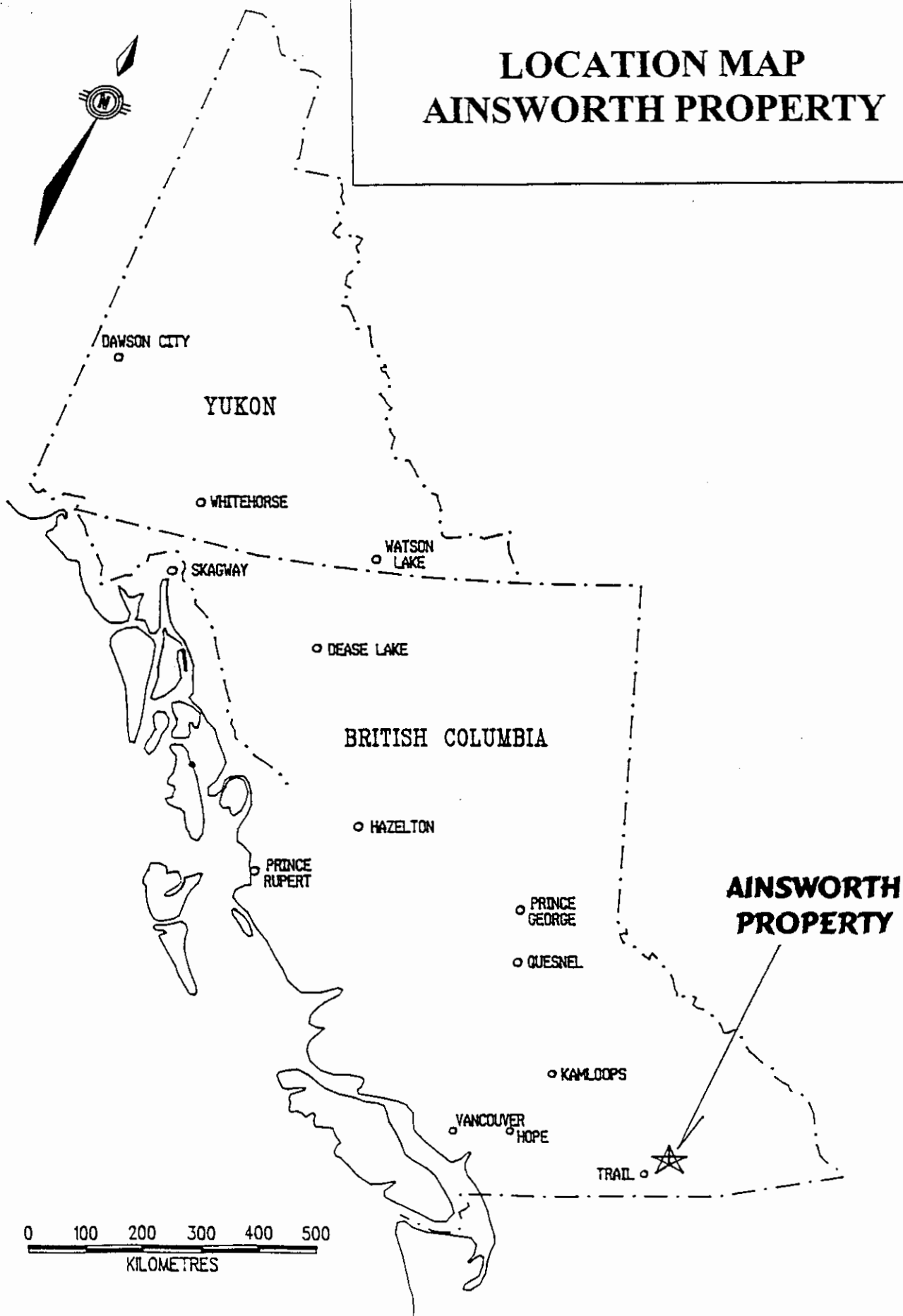
There are several known showings located within the Silver Hoard claim group, from north to south they are, Sullivan (Minfile # 082FNE011), Buckeye (Minfile # 082FNE014), New Jerusalem (Minfile # 082FNE021), Tiger (Minfile # 082FNE022), and No.One (Minfile # 082FNE025).

Previous work focused on replacement type bodies of Lead-Zinc-Silver hosted by limestone where feeder veins crossed the bedding. The work to date found only small tonnage orebodies and little work has been done in decades.

Work done in 1996 by the current owners was directed at evaluating the potential of the area by carrying out small soil/silt geochem programs for 30 element ICP + gold. Soil geochemistry had not previously been done in this area. The soil/silt sampling was successful in two areas, the Currie Zone and the No.One. The No. One target is the southward extension of the former silver producer and the Currie zone is a new silver-gold target identified by both soils and silts.

FIGURE 1

LOCATION MAP  
AINSWORTH PROPERTY



### **3.0 LOCATION & ACCESS:**

The **SILVER HOARD GROUP** is located in the Slocan Mining Division in Southeastern B.C. approximately 4 kilometers West of the historical mining town of Ainsworth, B.C.

Excellent access to the property is provided by a good standard logging road which leaves highway 31 a few kilometers North of Ainsworth and continues up South west through the centre of the property.

The centre of the property is located at approximately 49°44'27" N latitude, 116°56'53" W longitude on NTS mapsheets 82F/10w and 82F/15W.

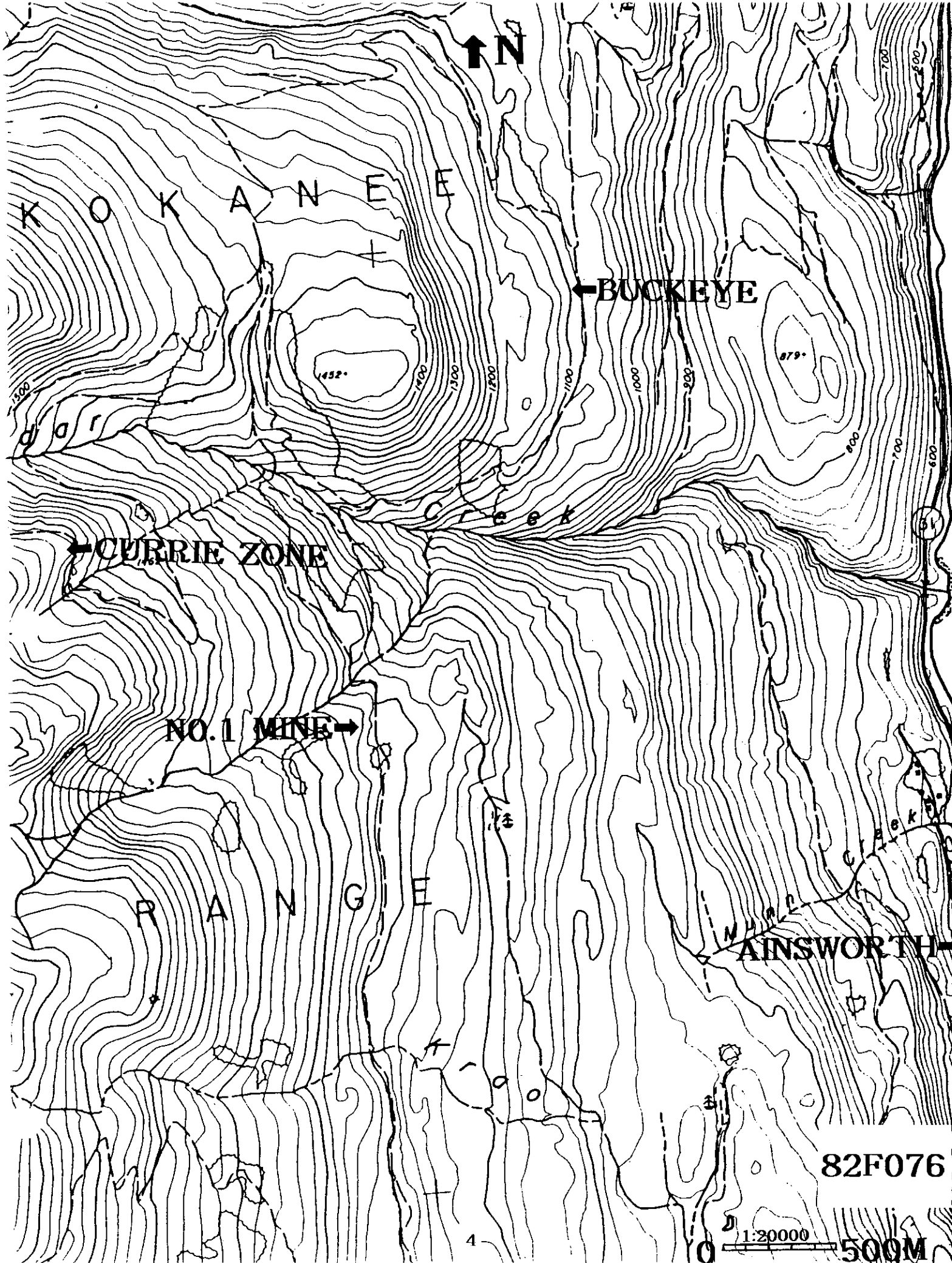
In the past few years, logging has been ongoing within the Silver Hoard Group and the road has been well maintained.

### **4.0 GENERAL SETTING:**

The property lies on the slopes and valley of Kootenay Lake between the elevations of 1100 and 1900 metres. Topography ranges from gentle to steep but is generally moderate with slopes from 10 to 40% on the slopes with flatter areas in the gullies and on benches. There are numerous North trending gullies covered with thick alluvium and till and outcrop is rare. On the steeper slopes, overburden averages from ½ to 1 metres thick and outcrop is fairly common but not abundant. In general, overburden is deeper in areas underlain by north trending faults resulting in gullies.

The property receives an average of 1 to 2 metres of snow annually but is generally snow-free from early June to mid November.

Most of the property is covered with young mixed timber stands of fir, larch, cedar, pine and deciduous species.



↑ N

K O K A N E E

← BUCKEYE

1452

879

C R E E K

← CURRIE ZONE

NO. 1 MINE →

R A N G E

← AINSWORTH

82F076

1:20000

500M

## 5.0 MINERAL CLAIM INFORMATION:

The property is comprised of a total of 69 claim units (3 modified grid Mineral Claims and 9 2-post claims) which for administrative purposes have been grouped as the **SILVER HOARD GROUP**. Mineral claims are as follows:

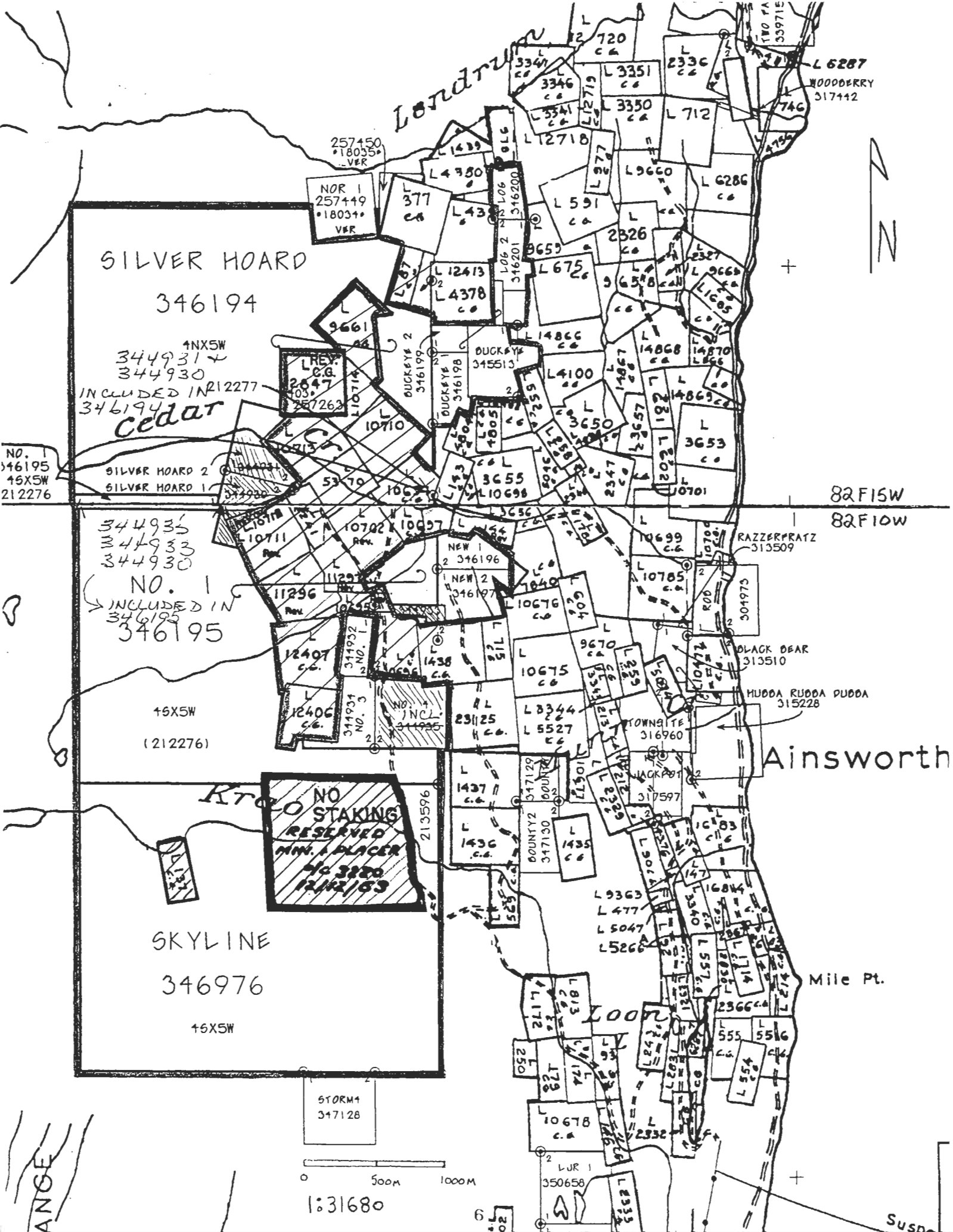
NAME	# OF UNITS	RECORD #	EXPIRY DATE
SILVER HOARD	20	346194	MAY 27, 1999
NO.1	20	346195	MAY 26, 1999
SKYLINE	20	346976	JUNE 12, 1999
NO.1	1	344932	MARCH 30, 2007
NO.3	1	344934	MARCH 30, 2007
NEW 1	1	346196	MAY 22, 1999
NEW 2	1	346197	MAY 22, 1999
BUCKEYE 1	1	346198	MAY 24, 1999
BUCKEYE 2	1	346199	MAY 24, 1999
BUCKEYE	1	345513	APRIL 21 1999
LOG 1	1	346200	JUNE 1, 1999
LOG 2	1	346201	JUNE 1, 1999

\* Expiry upon acceptance of work detailed in this report.

\* All claims are jointly owned by Lloyd Addie and Bob Bourdon.

## 6.0 HISTORY AND DEVELOPMENT:

Exploration of the Silver Hoard Group dates back to the 1880's when prospectors were attracted to the Hot Springs located along the edge of the lake, and then found outcrops of galena veins on the hills above the springs. Dozens of claims were staked and high grade silver ores were found and shipped. The No.1 mine was one of the high grade silver mines which had production of 62,008,703 grams of silver from 36517 tonnes which is a grade of 1,543 grams silver per ton. The No.1 mine was worked on and off until the late 1940's, nothing is recorded after that until this prospector report with soil geochem immediately south of the mine.



## 7.0 SAMPLING & GEOCHEMISTRY PROCEDURE:

7.1 Rocks: A total of 61 rock samples were collected from outcrops and small hand excavated pits. Samples were placed in heavy plastic bags and tagged accordingly.

7.2 Soils: Five small soil sampling grids were established with hip chain and compass, and marked with flagging tape. The purpose of the sampling was to determine if anomalous gold, silver, lead and zinc values are present in soils. A total of 170 soil samples were collected from the B-horizon at an average depth of about 25 to 30 centimetres. Samples were placed in kraft paper envelopes and tagged accordingly.

7.3 Silts: 17 silt samples were collected from streams draining the North half of the Silver Hoard Group, samples were placed in kraft paper envelopes and tagged.

Samples were shipped by Greyhound to Acme Analytical Labs in Vancouver for geochemical analyses. A limited number of samples were sent to Eco Tech Labs in Kamloops for analysis.

Samples are crushed to  $\frac{3}{16}$ " , split in approx. 1/2, and pulverized to -100 mesh. Soil samples are dried and sieved to -80 mesh. From these, a 0.500 gram sample is digested with 3 ml. of 3-1-2 HCl-HNO<sub>3</sub>-H<sub>2</sub>O at 95°C for one hour and is diluted to 10 ml. with demineralized water. Multi-element analysis is done by Inductively Coupled Argon Plasma. Elements obtained in the **ICP analysis** are: Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, B, Al, Na, K and W.

Gold is determined by igniting a 10 gram sample overnight at 600° C and digesting it in 30 mls. of hot dilute Aqua Regia. 75 ml. of clear solution obtained is extracted with 5 ml. of Methyl Isobutyl Ketone (MIBK). Au is determined in MIBK extract by Atomic Absorption.

A description of the samples collected can be found in Appendix II and the results of analysis form Appendix III.

## **8.0 OBSERVATIONS:**

1. The Ainsworth camp is highly mineralized with Lead, Zinc, Silver and Gold.

2. There are two known types of deposits in the camp, vein type and replacement type. The replacement type of deposit seems to have the most potential for an economic orebody.

3. Rock sampling at the Buckeye trend (Map E) confirmed the presence of silver- lead- zinc mineralization in replacement bodies hosted by limestone. The numerous showings along this trend suggest that a large system exists and there is potential for a deposit such as the Bluebell Mine. Soil sampling at the No.1 mine (Map C) identified two anomalous areas for silver-lead-zinc, ( L50S 0E to L150S 20E) and ( L75S 80E) with values up to 39 ppm Silver, 1677 ppm Lead, 1750 ppm Zinc. Soil sampling at the Currie Zone (Map B) showed an area of anomalous Silver over 50M wide and 300M long in a North-South trend open on both ends. The anomaly ranges from 2-9ppm Silver and two of the soils had over 1000ppb Gold.(SH 125N, SH 125N B). Sampling on maps A and D showed small silver anomalies in soils.

4. Silt sampling showed some extremely high silver values in a small creek draining the area approximately 100M North of soil line SH ( Map B). The silts were as high as 14ppm silver which is higher than any of the silts taken for the Regional Geochemical Survey for the map sheets of 82F. (90319)

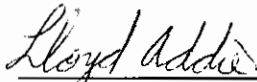
5. Efforts to sample rocks in place in the area of the Currie Zone soil anomaly were for the most part unsuccessful. In areas of highly anomalous silver and gold, overburden was thick.

## 9.0 RECOMMENDATIONS:

The Silver Hoard Group has seen a fair amount of exploration in the past. The majority of work was focused on the Buckeye trend and mining of the No.1 orebody. Large areas of the property have never even had soil sampling and for the most part been ignored. Recent work has identified significant silver-gold values associated with limestone. **Future work should be directed at evaluating the Silver-Gold potential on the property by:**

1. **Soil geochemistry for 30 element ICP and gold** should be done over the Currie Zone extensions, lines should be established in an East-West direction and samples taken at 20 metre intervals.

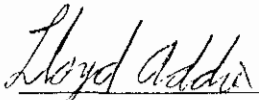
2. The No.1 anomaly **should be trenched** to gain further knowledge of the character of the mineralization and to determine the width, grade and strike. Subject to the results of a soil program, trenching may also be warranted in other areas.

  
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LLOYD ADDIE

March. 1997

## PROSPECTOR QUALIFICATIONS

1. I graduated from high school in 1982.
2. In 1982 I attended the Chamber of Mines of Eastern B.C./ B.C. Ministry of Mines "Basic Prospecting Course".
3. In 1983 I completed the "Advanced Prospector's Course" sponsored by EMPR.
4. In 1992 I attended the "Petrology for Prospectors" course sponsored by EMPR and the Chamber of Mines of Eastern B.C.
5. In 1996 I attended the "Industrial Minerals " course sponsored by the Ministry of Employment & Investment and the Chamber of Mines of Eastern B.C.
6. I have been prospecting and working in the mineral exploration industry since 1982 and have successfully optioned mineral claims to exploration companies.

  
L. Addie

March 1997

TAG1	TAG2	TYPE	PROJ	LOCATION	DESCRIPTION OR AU(ppb), AG(ppm), CU(ppm), PB(ppm), ZN(ppm), AS(ppm)
51925		ROCK	SH	BUCKEYE SHAFT DUMP	REPLACEMENT SULPHIDES Pb-Zn-Py GRAB
51926		ROCK	SH	BUCKEYE SHAFT DUMP	LIMESTONE LITTLE OR NO SULPHIDES
51927		ROCK	SH	BUCKEYE TRENCH DUMP	2M CHIP ALONG N SIDE MINOR SULPHIDES SILIC RX E OF STOPE
51928		ROCK	SH	BUCKEYE OPEN STOPE	4M CHIP ALONG N SIDE SOME SULPHIDES SILIC LS RX
51929		ROCK	SH	BUCKEYE OPEN STOPE	PICKED SULPHIDES FROM DUMP
51930		ROCK	SH	BUCKEYE PITS	36M S30W OF STOPE Pb-Zn-Py IN SILICIOUS LS
51931		ROCK	SH	BUCKEYE PIT	97M N OF STOPE QTZ+SILIC LS+SCATTERED Py-Zn
51932		ROCK	SH	BUCKEYE PIT	60M N OF 51931 SMALL PIT BESIDE OLD CABIN SILIC RX MINOR Py
51933		ROCK	SH	BUCKEYE PITS	ABOUT 600M N OF OPEN STOPE GRAB Pb-Zn-Py FROM DUMPS
51934		ROCK	SH	BUCKEYE CAVED SHAFT?	ABOUT 10M N OF 51933 - GRAB Pb-Zn-Py-AsPy?-CuPy?
90201		ROCK	SH	ATTENDED ADIT GRAB	Pb-Zn-Py-(AsPy?) IN LS
90202		ROCK	SH	100M N OF 90201	VARIOUS LOOSE RUBBLE+IN PLACE REPLACEMENT Zn-Pb-Py
90203		SILT	SH	S TRIB OF WOODBURY CR	
90204		SILT	SH	S TRIB OF WOODBURY CR	
90205		SILT	SH	S TRIB OF WOODBURY CR	
90206		SILT	SH	S TRIB OF WOODBURY CR	500M E OF BRIDGE ON WOODBURY CR
90207		SILT	SH	S TRIB OF WOODBURY CR	100M W OF BRIDGE ON WOODBURY CR
90208		SILT	SH	N TRIB OF WOODBURY CR	150M E OF BRIDGE ON WOODBURY CR
90209		SILT	SH	N TRIB OF WOODBURY CR	200M E OF BRIDGE ON WOODBURY CR
90210		ROCK	SH	S SIDE OF RD	1500M W OF BRIDGE ON WOODBURY CR LS WITH QTZ STRINGERS
90211		ROCK	SH	1200M W OF 90201	Pb-Zn-Py MINERALIZATION IN QTZ-CALCITE VEIN ALONG NEW ROAD
90212		SILT	SH	S TRIB OF LENDRUM	300M S & 2600M W OF ATTENDED ADIT
90213		SILT	SH	S TRIB OF LENDRUM	25M W OF 90212
90214		SILT	SH	S TRIB OF CEDAR CR	400M N OF NO.1 MINE & 100M ABOVE RD.
90215		SILT	SH	S TRIB OF CEDAR CR	400M N OF NO.1 MINE & 250M ABOVE RD.
90216		SILT	SH	S TRIB OF CEDAR CR	FLOWS THRU SE SIDE OF SILVER HOARD & 100M FROM CEDAR CR
90217		SILT	SH	S TRIB OF CEDAR CR	400M UPSTREAM FROM 90216
90218		SILT	SH	S TRIB OF CEDAR CR	500M UPSTREAM FROM 90217
90219		SILT	SH	S TRIB OF CEDAR CR	50M S OF CEDAR CR BRIDGE
90220		SILT	SH	CEDAR CR AT BRIDGE	
90221		SILT	SH	S TRIB OF LENDRUM	50M W OF 90213
90222		SILT	SH	S TRIB OF LENDRUM	400M NW OF 90221
90223		ROCK	SH	50M NW OF 90221	RUSTY SEDS NEAR GRANITE DYKE?

90224		SILT	SH	S TRIB OF LENDRUM	SMALL STREAM 600M W OF 90211
90225		SILT	SH	CR ALONG BUCKEYE TREND	200M S OF ATTENDED ADIT
90226		ROCK	SH	ATTENDED DUMP GRAB	DISSEM Zn-Pb-Py IN LS
90227		ROCK	SH	200M W OF 90226	SOFT BLACK MINERAL IN FRACTURES X-CUTTING LS
90228		ROCK	SH	400M N OF 90226	Py+Pb IN NARROW 30CM SHEAR IN SCHIST
90229		ROCK	SH	200M NE OF 90228	Py+ SOFT BLACK MINERAL IN X-CUTTING SHEAR IN SCHIST
90240		ROCK	SH	0+00 0+60E ROAD CUT	BRN-TAN SILICIFIED LS WITH SOME CALCITE STRINGERS
90241		ROCK	SH	0+00 0+65E ROAD CUT	SILICIFIED LS WITH NARROW QTZ STRINGERS
90242		ROCK	SH	0+00 0+65E ROAD CUT	HAND PICKED SILICIFIED LS WITH SCATTERED PYRITE
90243		ROCK	SH	0+00 0+65E ROAD CUT	OXIDIZED RUSTY LS
90244		ROCK	SH	1+25N CENTRE OF TRENCH	LIMONITE ACROSS 1.2
90245		ROCK	SH	1+25N 1M CHIP W OF 90243	RUSTY ALTERED LS + MINOR Py + CALCITE VEINLETS
90246		ROCK	SH	1+25N CENTRE IF TRENCH	LIMONITE ACROSS 1.2M BUT 40CM DEEPER THAN 10244
90247		ROCK	SH	1+25N 1M CHIP W OF 90245	LS + CALCITE STRINGERS VERY MINOR Py
90248		ROCK	SH	1+25N 1M CHIP W OF 90247	LS + CALCITE STRINGERS VERY MINOR Py
90249		ROCK	SH	1+25N 1M E OF 90246	GRAB OF MOST QUARTZY MATERIAL WITH QTZ LINED CAVITIES
90312		SILT	SH	CEDAR CR ELEV 2850'	JUST BELOW TIGER MC
90313		ROCK	SH	N END BUCKEYE TREND	GRAB X-CUTTING SHEAR N30W DIP 70 W
90314		ROCK	SH	150M S OF 90313	MASSIVE REPLACEMENT Py+PbS
90315		ROCK	SH	50M S OF RD JCN BCUKEYE	TALC SCHIST+MINOR Py
90316		ROCK	SH	UPPER SIDE CEDAR BRIDGE	2M CHIP RUSTY SILIC SCHIST+MINOR Py
90317		ROCK	SH	SMALL CR 50M S OF 90316	QTZ/CALCITE STKWORK IN LS/CR 90219 TAKEN
90318		ROCK	SH	50M S OF 90317	SIMILAR MATERIAL RUBBLE IN CREEK
90319		SILT	SH	200M ABOVE 90219	SAME CREEK AS SILT 90219
90320		SILT	SH	100M ABOVE 90219	SAME CREEK AS SILT 90219
90321		ROCK	SH	SAME AS 90320	DARK LS WITH QTZ STKWORK RUBBLE IN CR
90328		SILT	SH	N OF DELLIE END OF RD	ABOUT 50M ABOVE RD
90329		ROCK	SH	25M ABOVE 90328	RUSTY QTZ FLOAT
90330		SILT	SH	75M ABOVE 90328	TRYING TO NAIL DOWN SOURCE OF AG ANOMALY
90331		ROCK	SH	NEAR E BDY SILVER HOARD	PATCHES OF Py, ZnS IN LIMESTONE
90335		ROCK	SH	SH1+00N HAND TRENCH	RUSTY LS+MINOR Py+STRINGERS MN?
90336		ROCK	SH	SAME AS 90335	OXIDIZED VUGGY BROWN RX
90337		ROCK	SH	SAME AS 90336	BLACK RX+CALCITE VEINLETS
90338		ROCK	SH	6M N OF 90337	FG DYKE? RX IN HAND TRENCH
90339		ROCK	SH	SAME AS 90338	VUGGY RUSTY QTZ (902 ppb AU)

90340		ROCK	SH	3M NE OF 90335	LT BRN RX+MINOR Py
90341		ROCK	SH	SAME AS 90340	CALCITE VEINS WITH BLACK MINERAL
90342		ROCK	SH	SH1+25N MIDDLE TRENCH	SILIC LS+SCATTERED MINOR Py+ZnS?
90343		ROCK	SH	SAME AS 90342	MISC LIMY RX +CALCITE VEINING
90344		ROCK	SH	SH1+25N E TRENCH	MAFIC DYKE? RX (372 ppb AU)
90345		ROCK	SH	SH1+25N W TRENCH	SILIC LS WITH SCATTERED Py+Zn?
90346		ROCK	SH	SH1+25N W TRENCH	YELLOW BROWN LS WITH MINOR Py
SH	0+25N	SOIL	SH		
SH	0+50N	SOIL	SH	ANOMALOUS AG	1, 1.4, 21, 23, 261, 3
SH	0+75N	SOIL	SH	ANOMALOUS AG	2, 1.5, 21, 26, 188, 6
SH	1+00N	SOIL	SH	HIGH AG, AS	14, 4.9, 32, 56, 156, 227
SH	1+25N	SOIL	SH	HIGH AU, AG, AS	1050, 6.9, 86, 66, 153, 116
SH	1+50N	SOIL	SH		
SH	1+75N	SOIL	SH		
SH	2+00N	SOIL	SH		
SH	2+25N	SOIL	SH		
SH	2+50N	SOIL	SH		
SH	2+75N	SOIL	SH		
SH	3+00N	SOIL	SH		
SH	3+25N	SOIL	SH	ANOMALOUS AG	2, 1.8, 183, 18, 143, 31
SH	3+50N	SOIL	SH		
SH	3+75N	SOIL	SH		
SHW	0+25N	SOIL	SH		
SHW	0+50N	SOIL	SH		
SHW	0+75N	SOIL	SH		
SHW	1+00N	SOIL	SH		
SHW	1+25N	SOIL	SH		
SHW	1+50N	SOIL	SH		
SHW	1+75N	SOIL	SH		
SHW	2+00N	SOIL	SH		
SHW	2+25N	SOIL	SH		
SHW	2+50N	SOIL	SH		
SHW	2+75N	SOIL	SH		
SHW	3+00N	SOIL	SH	NO SAMPLE	CREEK CHANNEL

SHW	3+25N	SOIL	SH	NO SAMPLE	CREEK CHANNEL
SHW	3+50N	SOIL	SH		
SHW	3+75N	SOIL	SH		
SHB	0+00N	SOIL	SH		
SHB	0+25N	SOIL	SH		
SHB	0+50N	SOIL	SH		
SHB	0+75N	SOIL	SH		
SHB	1+00N	SOIL	SH		
SHB	1+25N	SOIL	SH		
SHB	1+50N	SOIL	SH		
SHB	1+75E	SOIL	SH		
1+25N	A	SOIL	SH	HIGH AU,AG,AS	121, 10.6, 31, 139, 333, 99 (AT SH 1+20N, 0+05W)
1+25N	B	SOIL	SH	VERY HIGH AU, HIGH AG,AS	1128, 6.7, 84, 108, 235, 151 (AT SH 1+20N)
1+25N	C	SOIL	SH	ANOMALOUS AU,AS	33, 2.2, 82, 36, 152, 36 (AT SH 1+20N, 0+50E)

Tag#	SAMPLE DESCRIPTION
73358	Seds with Py 750M south of No.1 along Rd.
73360	Altered limestone+Py 200M West of I.P. Log1
73361	Limestone with metallics switchback above Storm1
73362	No.1 stope silicified limestone+Ga,Py,Sp
73363	same as 62 limestone+iron carbonate,Sp
73364	No.1 dump altered granite
73365	Frothy quartz+limonite,mangenesse
73366	No.1 dump silicified limestone+minor Ga
73367	No.1 dump calcite+limonite
73368	No.1 dump altered limestone
73369	No.1 dump silicified limestone+Py,Sp,vuggy qtz,iron carbonate
73370	No.1 dump argillite+Py
73371	No.11K 100W Qtz+iron carbonate
73372	Dump below skyline limestone+qtz veins
73373	Same as 72 limestone+qtz,iron carbonate
90401	Currie Zone pit qtz+calcite stringers in argillite
90402	Same as 01 altered limestone
90403	Currie Zone pit argillite+qtz stringers
90404	Currie Zone shaft 1M wide shear in limestone
90405	Currie Zone shaft dump rusty qtz veining in limestone
90406	Currie Zone 2M wide shear in limestone 10M East of 05
90407	Currie Zone last trench south of Rd. Calcite veins in limestone
90408	No.1 grid claim 10cm chert horizon on Rd.
90420	Skyline dump limestone+silicious vuggy zones+Ga,Cp,Bluemineral
90421	Skyline dump limestone with qtz veins
90422	Skyline dump silicious limestone+Ga
90423	No.1 L125S 0+10E pit vuggy qtz in limestone
90424	Same as 23 limestone with calcite veins+limonite
90426	Currie Zone 10M East of shaft oxide zone
90427	Currie Zone same as 26 qtz vein
BUCKEYE1	Buckeye dump limestone+Ga,Sp
BUCKEYE2	Buckeye dump limestone+Py

**SOILS**

No.1 L50S  
No.1 L75S  
No.1 L100S  
No.1 L125S  
No.1 L150S  
No.1 L250S  
No.1 L350S

No.11K 10E-325W

CURRIE 0-125NW  
CURRIE 10-100NW

## GEOCHEMICAL ANALYSIS CERTIFICATE

**R.J. Bourdon PROJECT SH File # 96-5182**  
 907 W. Richards St., Nelson BC V1L 5T3



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
B 51925	1	399	31717	99999	66.4	9	33	22273	18.13	155	6	<2	<2	46	2081.8	34	37	18	2.20	.005	9	309	1.04	11	<.01	<3	1.17	.01	<.01	2	32
B 51926	13	664	20452	52955	34.0	19	20	16015	17.86	2628	5	<2	<2	84	425.2	11	<2	17	2.90	.019	7	28	.83	53	<.01	<3	.68	.01	.01	2	119
B 51927	3	140	20979	10253	25.7	9	4	12072	7.28	124	<5	<2	3	48	52.4	16	<2	18	.69	.067	7	29	.28	29	<.01	<3	1.06	<.01	.13	<2	21
B 51928	2	560	20136	14457	25.0	<1	3	27647	13.64	71	<5	<2	<2	206	88.0	16	<2	10	10.39	.059	13	44	.22	20	.01	<3	.40	<.01	.03	<2	30
B 51929	<1	931	24674	72107	120.0	12	21	10597	24.81	76	15	<2	<2	57	603.9	91	<2	3	1.59	.028	2	<1	.12	6	<.01	<3	.17	<.01	<.01	2	95
B 51930	<1	465	23560	53283	196.2	6	14	4388	20.87	100	9	<2	<2	14	372.9	162	6	3	.44	.025	1	51	.10	4	<.01	<3	.12	<.01	<.01	2	400
B 51931	1	20	842	741	1.0	3	1	177	.97	<2	17	<2	2	126	3.5	<2	9	1	1.02	.003	2	11	.01	14	<.01	<3	.23	.04	.07	<2	26
B 51932	2	25	3127	861	4.1	8	2	207	2.67	2	<5	<2	4	7	4.4	3	302	2	.06	.022	13	21	.06	10	<.01	27	.25	.01	.02	2	1140
B 51933	<1	601	6502	99999	20.8	28	91	5551	23.02	38857	10	<2	2	10	2674.4	83	4	5	.17	.018	2	209	.06	6	<.01	<3	.10	<.01	<.01	2	243
RE B 51933	1	604	6379	99999	20.6	30	92	5488	22.66	38896	6	<2	<2	10	2675.7	93	4	4	.16	.018	2	245	.06	6	<.01	3	.10	<.01	<.01	2	250
B 51934	5	215	8871	36967	20.5	<1	13	38791	18.42	26205	11	<2	2	113	253.0	78	2	6	4.70	.063	6	40	.61	27	<.01	<3	.15	.01	<.01	2	235
B 51935	3	1920	75	1311	3.6	8	2	799	1.30	221	6	<2	<2	2	6.6	<2	4	1	.11	.003	2	20	.02	9	<.01	<3	.04	<.01	.01	3	22

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.  
 ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB  
 - SAMPLE TYPE: ROCK AU\* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)  
 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 9 1996

DATE REPORT MAILED:

Oct 18/96

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

## GEOCHEMICAL ANALYSIS CERTIFICATE

R.J. Bourdon File # 96-2574

907 W. Richards St., Nelson BC V1L 5T3



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
D 90201	<1	487	23772	45331	41.6	16	<1	99999	23.97	5930	6	<2	13	39	201.0	38	<2	11	3.64	.014	5	29	.97	6<.01	<3	.06<.01	.02	3	131		
D 90202	<1	390	26906	49878	101.0	17	<1	99999	16.96	4872	<5	<2	22	41	200.8	89	4	10	5.00	.001	8	26	.90	7<.01	<3	.06<.01	.03	5	184		
D 90301	3	45	159	328	.5	26	7	1095	3.91	24	<5	<2	3	112	1.3	<2	<2	156	1.55	.052	3	62	1.47	246	.27	<3	4.23	.15	1.40	<2	9
D 90302	<1	456	900	823	7.0	72	17	3230	8.91	5	<5	<2	2	37	6.2	<2	23	196	1.13	.110	4	175	3.44	12	.16	<3	3.60	.05	.07	<2	3
D 90303	1	1153	397	594	6.6	83	34	2531	15.04	2	<5	<2	2	33	5.7	<2	48	156	.75	.085	3	139	2.63	14	.13	<3	3.04	.05	.07	4	2
D 90304	<1	83	592	1176	.3	35	16	2204	4.45	3	<5	<2	<2	89	4.9	<2	<2	133	4.53	.068	4	68	1.90	14	.14	<3	2.12	.04	.08	<2	1
D 90305	1	1301	10805	17265	32.8	66	23	2418	12.53	<2	<5	<2	2	16	139.5	<2	70	125	.46	.079	4	125	1.77	15	.10	<3	2.16	.03	.08	<2	1
D 90306	398	196	5748	2178	13.0	23	11	1023	7.61	13	<5	<2	2	9	12.6	6	35	99	.21	.048	3	42	.89	19<.01	<3	1.16<.01	.11	17	4		
D 90307	563	576	6874	2176	6.1	16	4	1176	4.48	7	<5	<2	2	7	12.6	5	12	83	.14	.044	4	38	.77	23<.01	<3	1.20<.01	.07	<2	13		
D 90308	8	184	19329	16472	12.9	33	15	6650	4.91	212	<5	<2	2	139	98.3	14	2	47	4.60	.017	4	51	1.07	22<.01	<3	1.03	.01	.13	<2	50	
RE D 90308	7	178	18241	16855	12.2	33	14	6378	4.64	196	<5	<2	2	132	92.7	13	<2	44	4.40	.017	4	50	1.03	21<.01	<3	.99	.01	.12	<2	50	
D 90309	158	1572	22006	5751	152.5	59	38	682	13.76	62	<5	<2	2	4	46.6	9	340	36	.04	.014	1	32	.39	17<.01	<3	.54<.01	.07	127	8		
D 90310	7	1274	23678	42880	23.2	27	21	1354	12.46	<2	<5	<2	3	16	404.5	11	37	100	.24	.057	4	62	1.73	27<.01	<3	1.91	.04	.11	<2	6	
D 90311	187	427	668	817	5.2	18	11	1530	7.10	19	7	<2	10	62	5.8	<2	22	104	1.28	.288	32	57	2.08	35<.01	<3	2.22	.02	.13	68	6	
STANDARD C2/AU-R	21	63	39	141	6.4	76	37	1231	3.96	44	19	9	38	53	19.2	17	20	75	.53	.102	42	67	1.04	206	.08	31	1.98	.07	.14	14	490

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO<sub>3</sub>-H<sub>2</sub>O 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.  
 ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB  
 - SAMPLE TYPE: ROCK AU\* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.  
 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 2 1996

DATE REPORT MAILED:

July 10 / 96

SIGNED BY:

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



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
D 90203	1	29	6	66	<.3	95	13	356	2.40	<2	<5	<2	2	53	<.2	2	<2	62	1.02	.220	17	152	1.57	94	.22	<3	1.51	.01	.37	<2	2
D 90204	1	22	19	104	<.3	123	13	356	1.92	2	<5	<2	2	133	1.4	2	<2	46	1.47	.241	12	177	1.52	52	.09	<3	1.37	.01	.16	<2	1
D 90205	4	32	27	179	.3	101	14	580	2.48	8	<5	<2	<2	96	2.9	<2	<2	55	1.38	.190	14	129	1.21	69	.08	<3	1.67	.01	.15	<2	1
D 90206	1	39	40	131	<.3	102	17	604	3.14	3	<5	<2	3	90	2.2	2	<2	72	2.74	.207	19	153	1.97	79	.21	3	1.65	.01	.29	<2	1
D 90207	8	40	96	371	8.5	73	13	504	2.57	11	<5	<2	<2	120	5.4	6	<2	56	2.21	.240	16	73	1.28	44	.07	<3	1.77	.02	.14	2	1
D 90208	1	23	94	247	7.2	52	12	467	2.35	17	<5	<2	2	175	1.9	5	<2	48	7.14	.147	15	58	4.11	65	.05	<3	1.23	.02	.13	<2	6
D 90209	2	30	105	317	9.2	60	14	606	2.94	28	<5	<2	2	155	3.0	4	<2	50	5.35	.139	16	61	2.97	78	.05	<3	1.67	.01	.11	2	10
D 90212	1	9	26	122	<.3	11	5	756	2.50	3	15	<2	<2	112	.9	<2	<2	43	1.24	.145	45	20	.66	37	.06	<3	1.52	.01	.21	<2	1
D 90213	1	13	40	127	.4	62	8	934	2.49	13	7	<2	<2	101	.9	<2	<2	41	1.38	.133	59	64	.98	88	.04	3	1.95	.01	.15	<2	1
D 90214	1	36	23	123	.3	50	21	933	4.30	4	<5	<2	3	52	.2	<2	<2	72	.92	.159	30	74	1.27	73	.06	<3	1.87	.01	.16	<2	3
D 90215	1	38	23	124	<.3	53	22	1082	4.00	4	<5	<2	3	54	.4	<2	<2	68	.99	.142	29	75	1.39	79	.06	<3	2.01	.01	.17	<2	1
D 90216	2	18	42	255	.8	31	11	727	3.26	3	<5	<2	4	71	1.6	<2	<2	50	1.77	.170	38	43	.93	61	.08	<3	1.58	.01	.30	<2	1
D 90217	1	53	27	129	<.3	65	24	1219	4.65	8	<5	<2	4	41	.2	<2	<2	91	.68	.128	28	103	1.95	106	.09	<3	2.89	.01	.29	<2	2
D 90218	<1	15	24	136	<.3	16	8	1076	2.95	3	<5	<2	<2	104	1.1	<2	<2	46	1.05	.164	48	24	.81	76	.06	<3	2.54	.02	.18	<2	<1
RE D 90218	2	13	25	134	<.3	16	8	1062	2.89	<2	<5	<2	<2	101	1.0	<2	<2	45	1.03	.161	45	21	.80	74	.06	<3	2.49	.02	.17	<2	<1
D 90219	<1	23	65	346	5.6	40	11	760	3.09	18	<5	<2	4	104	2.8	2	<2	55	1.40	.246	45	38	1.23	71	.04	<3	1.72	.02	.18	<2	3
D 90220	1	20	21	116	.5	32	11	818	2.64	8	<5	<2	2	77	.6	<2	<2	44	.81	.132	46	47	.85	47	.05	<3	1.63	.02	.14	<2	1
D 90221	<1	23	28	151	.3	22	6	636	2.11	3	6	<2	4	119	2.2	<2	<2	41	1.65	.276	41	24	.81	47	.05	<3	1.18	.02	.19	<2	1
D 90222	1	6	11	103	<.3	4	5	754	2.09	<2	7	<2	2	76	.3	<2	<2	33	.95	.091	44	13	.57	32	.06	<3	1.21	.02	.17	<2	1
D 90224	2	13	56	182	.7	47	7	520	2.69	8	<5	<2	5	39	.6	<2	<2	34	.96	.190	49	20	.55	45	.05	<3	.93	.01	.10	<2	<1
D 90225	3	31	129	1145	1.3	33	8	1129	2.20	42	<5	<2	<2	132	3.1	<2	<2	30	1.68	.111	16	37	.59	65	.05	<3	2.23	.03	.07	2	12
STANDARD C2/AU-S	20	57	37	132	5.9	70	36	1125	3.86	38	15	6	34	49	19.5	14	17	69	.54	.105	37	61	.99	173	.06	25	1.97	.07	.14	11	46

Sample type: SILL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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LL

## GEOCHEMICAL ANALYSIS CERTIFICATE

AA  
LLR.J. Bourdon File # 96-3603 Page 1  
907 W. Richards St., Nelson BC V1L 5T3

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
D 90210	5	26	<3	15	.3	22	5	78	4.20	<2	<5	<2	6	119	<2	<2	<2	30	2.37	.122	14	26	.08	15	.13	3	1.09	.02	.04	5	1
D 90211	1	234	40712	25277	279.3	<1	3	22942	1.45	47	<5	<2	<2	995	160.9	29	<2	4	45.37	<.001	5	3	.26	7	<.01	18	.10	.01	.01	<2	76
D 90223	14	48	319	359	2.8	38	6	364	1.52	<2	5	<2	6	237	2.7	<2	2	46	4.40	.163	20	22	.24	13	.14	9	1.81	.29	.22	2	2
D 90226	1	641	19806	34887	69.6	13	<1	99999	25.34	17804	<5	<2	10	16	163.2	107	<2	5	1.85	.007	4	3	.74	7	<.01	<3	.11	.01	.07	<2	243
D 90227	2	86	7270	7955	13.8	19	4	52983	5.42	778	<5	<2	4	114	37.4	5	2	15	7.43	.051	11	14	.55	22	.02	<3	.83	.01	.11	3	8
RE D 90227	2	86	7081	7785	13.9	19	4	51247	5.27	765	<5	<2	5	112	36.1	7	<2	15	7.24	.052	12	14	.53	22	.02	<3	.82	.01	.11	3	9
D 90228	<1	447	13972	95233	124.5	36	57	7822	22.66	86	9	<2	4	15	494.5	58	22	19	.98	.041	8	14	.28	<1	<.01	<3	.53	<.01	.12	<2	10
D 90229	2	83	309	379	1.1	39	12	463	4.23	<2	<5	<2	3	255	2.2	<2	2	66	6.05	.295	6	50	.91	91	.06	<3	7.92	.37	.20	7	21

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.  
 ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB  
 - SAMPLE TYPE: P1 ROCK P2 SILT AU\* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.  
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: AUG 12 1996

DATE REPORT MAILED: Aug 21/96

SIGNED BY: *C. Leong* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



## GEOCHEMICAL ANALYSIS CERTIFICATE

R.J. Bourdon PROJECT SH File # 96-5350  
907 W. Richards St., Nelson BC V1L 5T3



SAMPLE#	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	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb
D 90240	2	1	4	12	<.3	7	1	590	1.00	9	<5	<2	<2	1568	.4	<2	<2	9	29.13	.075	4	8	2.20	58<.01	<3	.13<.01	.06	<2	1		
D 90241	3	9	14	49	1.2	8	2	1231	1.80	20	<5	<2	<2	998	.4	<2	<2	20	25.53	.038	6	14	2.78	24<.01	<3	.45<.01	.01	<2	12		
D 90242	2	66	57	119	3.2	6	4	1185	2.49	29	<5	<2	<2	1136	1.5	<2	3	16	25.84	.027	2	12	2.09	32<.01	<3	.46 .01	.03	<2	1		
D 90243	3	17	6	69	.7	13	2	1065	1.51	8	<5	<2	<2	44	.5	<2	<2	21	1.12	.032	5	20	.39	30<.01	<3	.45<.01	.02	2	17		
D 90244	38	19	86	16	67.4	436	583	399	49.35	1427	13	<2	<2	47	2.3	18	<2	183	.27	.062	4	55	.05	119<.01	<3	.27<.01	.02	3	430		
D 90245	2	2	79	72	1.9	14	5	832	3.00	74	5	<2	<2	1234	1.3	2	<2	17	27.53	.067	3	10	2.07	59<.01	<3	.16<.01	.05	<2	24		
RE D 90245	2	2	74	82	1.8	14	5	863	3.11	74	<5	<2	<2	1269	1.4	<2	<2	18	28.58	.069	3	11	2.15	62<.01	<3	.17<.01	.05	<2	26		
D 90246	34	20	62	48	47.5	95	119	1816	29.43	831	19	<2	<2	62	5.7	14	<2	216	.56	.114	11	36	.22	128<.01	<3	.46<.01	.04	6	224		
D 90247	3	4	92	193	2.0	23	8	1003	2.49	54	<5	<2	<2	1312	2.0	2	2	23	27.35	.088	7	10	3.02	76<.01	<3	.24<.01	.08	<2	33		
D 90248	1	5	25	85	2.5	37	3	1358	2.35	49	<5	<2	<2	781	1.7	<2	<2	25	22.54	.052	8	32	3.05	53<.01	<3	.39<.01	.06	<2	20		
D 90249	6	4	18	35	3.7	21	15	1165	6.13	111	<5	<2	<2	826	1.0	<2	<2	22	30.49	.087	7	9	.79	63<.01	<3	.15<.01	.06	<2	300		
STANDARD C2/AU-R	19	58	36	140	6.9	70	36	1160	4.11	43	21	6	31	55	20.6	12	19	72	.52	.106	37	63	.99	198 .09	29	2.05 .06	.16	14	457		

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.  
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB  
- SAMPLE TYPE: ROCK AU\* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)  
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: OCT 16 1996

DATE REPORT MAILED: Oct 25/96

SIGNED BY: *C. Leong* .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

## GEOCHEMICAL ANALYSIS CERTIFICATE

R.J. Bourdon PROJECT CK File # 96-4397 Page 1

907 W. Richards St., Nelson BC V1L 5T3

AA  
LLAA  
LL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
D 90313	<1	428	26440	67257	39.0	9	9	56458	24.36	684	<5	<2	3	208	288.0	4	<2	13	8.89	.033	22	19	.16	25<.01	<3	.27<.01	.07	<2	51		
D 90314	<1	993	2241	99999	32.0	6	12	13766	45.05	9703	<5	<2	<2	12	745.0	15	<2	2	1.00	.001	2	3	.06	5<.01	<3	.03<.01	.01	<2	92		
D 90315	<1	4	4	268	<.3	408	41	836	3.83	7	<5	<2	<2	7	.8	<2	<2	27	.34	.006	<1	1203	12.95	3<.01	<3	.15<.01	.02	<2	45		
D 90316	16	342	34	175	2.0	57	25	727	10.42	29	<5	<2	3	17	.8	<2	<2	185	.45	.066	8	136	2.72	146	.12	<3	3.93	.01	.05	<2	15
D 90317	3	2	20	94	<.3	8	1	1149	1.73	39	<5	<2	<2	1507	1.3	<2	<2	14	31.60	.069	7	7	3.61	76<.01	<3	.08<.01	.07	<2	4		
D 90318	1	4	20	143	1.3	17	1	783	1.17	20	5	<2	<2	1337	1.1	2	<2	16	22.35	.057	5	18	2.98	47<.01	3	.17<.01	.06	<2	39		
D 90321	4	1	10	34	.3	14	1	575	.72	12	<5	<2	<2	1301	.4	<2	<2	29	36.47	.057	8	16	.96	49<.01	<3	.22<.01	.04	<2	3		
D 90322	7	50	11	60	<.3	22	9	341	2.71	2	8	<2	9	114	<.2	3	4	139	1.39	.057	15	39	1.29	107	.18	<3	2.30	.21	.85	2	15
RE D 90322	7	49	15	58	<.3	19	9	329	2.60	<2	6	<2	8	111	<.2	<2	6	134	1.34	.057	14	37	1.24	103	.18	<3	2.23	.21	.83	2	12
D 90323	3	98	<3	20	<.3	8	4	194	2.57	2	<5	<2	24	169	<.2	<2	2	42	.71	.214	70	21	1.00	422	.17	<3	1.31	.12	.69	5	2
D 90324	2	673	<3	53	<.3	19	6	302	5.89	5	<5	<2	8	256	<.2	2	5	89	2.05	.356	45	68	1.26	336	.29	<3	2.41	.23	.54	<2	3
D 90325	2	1013	11	24	3.2	6	6	142	4.97	<2	<5	<2	2	38	<.2	<2	39	44	.31	.075	4	25	.59	127	.05	<3	1.44	.07	.63	4	5
STANDARD C2/AU-R	19	56	33	134	7.0	71	34	1149	3.80	37	21	6	34	54	19.6	16	18	70	.52	.101	40	60	.96	191	.08	26	1.98	.06	.16	16	475

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.

ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS &gt; 1%, AG &gt; 30 PPM &amp; AU &gt; 1000 PPB

- SAMPLE TYPE: P1 ROCK P2 SILT P3 TO P4 SOIL AU\* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 10 1996 DATE REPORT MAILED: *Sept 20/96* SIGNED BY: *C. Leong* .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
D 90312	<1	20	126	263	1.3	25	10	673	3.55	6	<5	<2	8	291	1.5	<2	<2	56	2.71	.157	45	36	1.50	52	.07	<3	1.26	.01	.15	<2	2
D 90319	<1	24	90	672	14.6	44	9	926	3.34	19	<5	<2	6	137	5.1	<2	<2	66	1.64	.293	71	36	1.63	100	.06	<3	2.25	.02	.23	<2	3
D 90320	1	23	95	631	12.4	70	12	938	3.85	38	<5	<2	9	103	4.0	<2	<2	69	1.27	.243	59	48	1.59	92	.06	<3	2.15	.01	.15	<2	4
D 90326	<1	19	41	89	<.3	12	6	867	2.74	<2	5	<2	<2	124	1.3	<2	<2	64	.83	.109	30	34	.43	267	.05	<3	1.64	.01	.08	<2	3
D 90327	2	113	287	551	1.3	11	9	1219	2.95	12	6	<2	<2	121	8.3	<2	2	55	.96	.113	45	19	.41	182	.04	3	1.99	.01	.09	2	4
RE D 90327	2	104	274	527	1.3	11	8	1170	2.88	11	<5	<2	<2	116	7.8	2	11	54	.92	.114	42	17	.39	176	.04	3	1.93	.01	.08	3	3

Sample type: SILT. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
D 90328	<1	31	21	124	.8	36	14	847	3.62	5	<5	<2	8	51	.7	<2	<2	68	.68	.125	39	53	1.21	82	.09	<3	2.14	.01	.19	<2	2
D 90330	<1	32	25	126	.8	36	14	883	3.71	6	<5	<2	8	57	.6	<2	<2	69	.74	.120	42	54	1.22	83	.09	<3	2.15	.01	.19	<2	42
RE D 90328	<1	31	27	124	.9	35	14	842	3.69	4	<5	<2	9	51	.7	<2	<2	69	.70	.129	38	53	1.21	88	.09	<3	2.15	.01	.20	<2	2

Sample type: SILI. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



GEOCHEMICAL ANALYSIS CERTIFICATE



R.J. Bourdon PROJECT SH File # 96-4928 Page 1
907 W. Richards St., Nelson BC V1L 5T3

Table with columns: SAMPLE#, 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, Au\*. Rows include sample IDs like D 90329, D 90331, etc., and their corresponding element concentrations.

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. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB - SAMPLE TYPE: P1 ROCK P2 SILT P3 SOIL AU\* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 30 1996

DATE REPORT MAILED: Oct 11/96

SIGNED BY: [Signature] D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

## GEOCHEMICAL ANALYSIS CERTIFICATE

R.J. Bourdon PROJECT SH File # 96-4559

907 W. Richards St., Nelson BC V1L 5T3

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
SHW 3+75N	2	15	16	80	<.3	11	7	513	5.05	5	<5	<2	9	35	<.2	<2	<2	68	.39	.059	26	30	.61	64	.15	<3	3.25	.01	.20	<2	1
SHW 3+50N	2	11	14	33	<.3	9	2	63	3.12	<2	13	<2	2	17	1.3	<2	3	39	.09	.058	32	19	.17	42	.17	<3	5.85	.02	.04	<2	<1
SHW 2+75N	3	19	19	88	<.3	19	5	297	4.26	9	<5	<2	2	33	1.3	2	<2	73	.20	.378	14	41	.50	58	.09	<3	2.52	.01	.09	<2	<1
SHW 2+50N	1	19	11	326	<.3	67	19	1426	4.37	<2	<5	<2	6	86	7.3	<2	<2	100	1.15	.270	19	42	1.77	60	.06	4	8.09	.04	.08	<2	<1
SHW 2+25N	3	20	21	126	<.3	26	7	382	4.96	5	<5	<2	2	45	1.4	<2	<2	90	.26	.300	15	42	.61	52	.11	<3	3.08	.01	.07	<2	<1
SHW 2+00N	2	15	20	150	.3	29	6	375	3.53	5	<5	<2	3	40	1.3	3	<2	57	.50	.262	17	36	.74	54	.10	<3	4.37	.02	.08	<2	<1
SHW 1+75N	2	19	12	159	.4	34	7	550	3.08	6	<5	<2	2	61	1.3	3	2	53	.59	.363	17	39	.73	48	.07	<3	2.42	.01	.08	<2	<1
SHW 1+50N	<1	15	14	167	<.3	37	9	475	2.99	5	<5	<2	2	67	1.3	<2	<2	52	.71	.520	16	33	.67	87	.06	<3	2.51	.01	.07	<2	2
SHW 1+25N	2	14	13	121	<.3	30	5	166	2.75	6	<5	<2	<2	72	1.0	3	<2	66	.34	.314	8	46	.48	47	.05	5	1.63	.01	.04	<2	<1
SHW 1+00N	1	21	15	135	<.3	25	7	515	3.37	4	<5	<2	<2	93	.6	<2	<2	65	.51	.281	14	37	.79	57	.09	<3	2.22	.01	.13	<2	3
SHW 0+75N	1	9	12	133	<.3	14	6	1185	3.68	<2	6	<2	2	113	<.2	4	<2	65	.38	.093	11	25	.77	119	.19	3	2.03	.02	.20	<2	1
SHW 0+50N	<1	13	10	135	.5	16	10	1303	3.44	<2	<5	<2	4	98	.4	<2	<2	54	.45	.303	46	21	.65	78	.12	<3	4.11	.02	.16	<2	<1
SHW 0+25N	1	11	10	157	<.3	15	8	653	6.86	<2	<5	<2	5	58	<.2	5	<2	93	.36	.228	23	26	1.04	76	.18	5	3.90	.01	.21	<2	<1
RE SHW 3+00N	4	42	20	81	<.3	12	12	1825	6.91	<2	<5	<2	2	7	.3	<2	<2	104	.11	.081	11	51	.16	40	.21	<3	3.44	.02	.03	<2	<1
SH 3+75N	2	98	20	149	<.3	33	14	1336	3.31	4	23	<2	<2	67	2.9	<2	<2	53	1.49	.117	20	50	.31	113	.14	<3	5.56	.03	.04	2	1
SH 3+50N	1	95	18	205	.5	28	20	2160	3.68	10	16	<2	<2	68	2.5	3	<2	61	1.72	.214	20	73	.37	127	.11	<3	6.59	.02	.05	<2	<1
SH 3+25N	3	183	18	143	1.8	43	26	3725	3.99	31	21	<2	<2	70	4.1	<2	2	72	1.96	.183	35	134	.39	149	.11	<3	6.37	.01	.07	2	2
SH 3+00N	4	41	17	76	<.3	11	13	1929	6.53	<2	<5	<2	2	8	.5	<2	<2	93	.13	.082	12	43	.15	39	.20	<3	3.85	.02	.03	<2	<1
SH 2+75N	4	48	19	109	.4	19	13	1531	9.15	<2	<5	<2	2	10	.4	<2	<2	176	.12	.113	7	61	.41	59	.20	4	3.47	.01	.04	<2	<1
SH 2+50N	3	66	12	133	.4	46	26	1360	9.67	8	<5	<2	<2	17	<.2	6	<2	246	.21	.300	11	105	1.82	66	.10	4	4.06	.01	.07	<2	1
SH 2+25N	3	46	15	60	<.3	12	6	619	4.79	<2	<5	<2	<2	16	<.2	<2	<2	94	.40	.394	7	54	.25	80	.09	<3	2.00	.01	.05	<2	1
SH 2+00N	<1	40	10	103	<.3	61	22	1067	7.35	2	<5	<2	2	13	<.2	<2	<2	182	.20	.208	9	168	2.50	70	.07	4	3.95	.01	.08	<2	2
SH 1+75N	2	40	11	89	.5	57	22	1459	7.11	<2	<5	<2	<2	16	<.2	5	<2	191	.25	.095	5	168	1.70	74	.08	<3	3.75	.01	.06	<2	2
SH 1+50N	2	42	11	86	.3	60	27	1262	7.56	6	<5	<2	<2	7	.2	<2	<2	127	.04	.164	8	168	1.64	85	.03	<3	3.70	.01	.07	<2	1
SH 1+25N	4	86	6.6	153	6.9	61	34	1488	8.20	116	<5	<2	<2	16	.7	<2	<2	156	.17	.151	18	338	4.33	61	.05	<3	4.64	.01	.06	<2	1050
SH 1+00N	6	32	56	156	4.9	188	18	851	6.09	227	<5	<2	<2	18	1.0	4	<2	127	.23	.230	20	326	2.42	96	.05	4	3.70	.01	.07	<2	14
SH 0+75N	<1	21	26	188	1.5	56	8	404	2.43	6	<5	<2	<2	17	2.6	<2	<2	82	.54	.181	20	82	2.84	70	.07	6	3.58	.01	.07	<2	2
SH 0+50N	<1	21	23	261	1.4	78	7	582	2.35	3	<5	<2	<2	28	4.0	4	<2	234	1.07	.364	15	116	2.84	117	.06	4	3.54	.01	.09	<2	1
SH 0+25N	2	21	48	108	.5	25	5	335	4.25	4	<5	<2	3	18	1.0	<2	<2	85	.22	.196	12	50	.99	53	.13	<3	2.80	.01	.11	<2	1
STANDARD C2/AU-S	19	55	41	127	6.2	71	34	1175	3.90	38	17	6	34	50	19.4	18	14	68	.54	.107	36	59	1.00	184	.08	26	2.05	.06	.15	10	47

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.

- SAMPLE TYPE: SOIL AU\* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: SEP 18 1996 DATE REPORT MAILED: Sep 25/96 SIGNED BY: D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

H10



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
1+25N A	8	31	139	333	10.6	112	18	3307	7.08	99	<5	<2	5	89	5.3	<2	<2	111	1.40	.411	63	159	1.83	163	.04	<3	3.47	.01	.10	<2	121
1+25N B	4	84	108	235	6.7	77	33	2954	7.92	151	9	<2	4	33	1.8	<2	3	168	.44	.251	26	288	4.14	102	.05	<3	4.22	.01	.09	<2	1128
1+25N C	2	82	36	152	2.2	130	43	1614	7.39	36	<5	<2	8	76	1.3	9	4	172	.53	.101	53	128	4.51	746	.32	<3	5.71	.03	.42	4	33
SHB 0+00	1	52	18	134	1.3	65	18	939	4.72	4	<5	<2	6	28	.6	<2	<2	92	.32	.057	37	96	1.73	155	.13	<3	4.02	.01	.17	<2	6
SHB 0+25E	2	82	30	195	3.8	83	24	1970	5.79	8	<5	<2	7	48	1.3	<2	<2	110	.77	.085	133	122	1.72	270	.11	<3	5.92	.02	.24	<2	5
SHB 0+50E	1	43	16	150	1.2	54	14	529	5.48	5	<5	<2	7	38	.7	4	2	95	.77	.070	58	95	1.25	151	.18	<3	4.70	.01	.14	<2	4
RE SHB 0+50E	1	41	18	146	1.2	54	13	517	5.37	3	<5	<2	7	37	.5	<2	<2	93	.76	.070	57	93	1.23	147	.18	<3	4.61	.02	.14	<2	3
SHB 0+75E	1	81	22	201	2.0	81	21	1853	5.90	<2	<5	<2	5	46	1.0	<2	2	106	.91	.084	88	120	1.58	255	.11	<3	5.14	.01	.26	<2	3
SHB 1+00E	1	77	21	237	1.2	72	18	1685	5.91	10	<5	<2	9	44	1.7	7	<2	101	.79	.085	61	109	1.46	244	.15	<3	5.56	.02	.23	2	2
SHB 1+25E	<1	25	15	125	.4	39	14	686	4.28	3	<5	<2	8	36	.3	5	<2	71	.79	.086	39	58	1.17	133	.12	<3	4.24	.01	.17	<2	2
SHB 1+50E	<1	21	10	98	.3	31	12	627	3.83	<2	<5	<2	9	33	<.2	<2	2	62	.63	.042	27	47	1.02	116	.14	<3	3.53	.01	.16	<2	3
SHB 1+75E	1	23	16	135	.6	32	13	714	3.89	<2	<5	<2	7	52	.5	<2	2	55	1.33	.100	34	46	.80	102	.16	<3	6.01	.02	.09	<2	2

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



GEOCHEMICAL ANALYSIS CERTIFICATE



Lloyd Addie File # 96-2051

1102 Gordon Road A-801, Nelson BC V1L 3M4

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
E 73351	10	48	<3	55	<.3	45	23	1214	6.49	27	11	<2	<2	97	1.3	<2	3	75	19.97	.063	<1	60	1.55	57	.02	<3	1.70	.17	.34	2	5
E 73352	1	282	27096	74255	98.1	18	15	9438	5.68	195	13	<2	3	189	523.2	19	8	15	7.30	.004	1	15	1.98	15	<.01	<3	.14	.01	.05	<2	91
E 73353	2	381	3065	24787	97.6	6	19	3139	3.90	772	<5	<2	6	153.5	35	6	10	.27	.007	1	17	.07	26	<.01	<3	.20	.01	.07	2	1120	
E 73354	2	18	92	257	.8	23	7	1268	2.31	7	<5	<2	4	21	1.5	<2	<2	16	.40	.032	8	21	.49	41	<.01	<3	.79	.01	.12	4	16
E 73355	1	43	32	644	12.7	824	48	2863	4.45	18	<5	<2	2	648	4.3	4	8	23	22.25	.002	1	304	4.08	37	<.01	<3	.13	<.01	.01	<2	7
E 73356	23	32	21	383	.9	71	6	653	1.64	2	12	<2	2	381	11.0	<2	3	86	18.44	.187	10	43	.93	98	<.01	<3	.47	<.01	.18	2	1
E 73357	18	43	5	137	.5	67	17	844	4.93	22	<5	<2	<2	211	2.1	<2	3	32	27.98	.181	<1	34	.94	93	.02	<3	.65	.04	.07	2	6
E 73358	5	128	13	104	<.3	71	26	1857	5.08	2	<5	<2	<2	33	.3	<2	<2	103	1.47	.051	1	67	1.12	30	.06	<3	1.64	.06	.12	3	14
RE E 73358	5	128	22	106	.3	74	28	1885	5.15	2	<5	<2	<2	33	.5	<2	2	106	1.47	.053	2	71	1.14	30	.06	<3	1.66	.06	.13	3	13
E 73359	4	3853	26501	41965	66.1	31	19	2076	4.67	1498	<5	<2	3	11	199.0	45	<2	14	.32	.002	2	19	.09	24	<.01	<3	.24	<.01	.06	<2	74
E 73360	1	62	407	548	1.9	190	32	1413	4.78	35	5	<2	4	514	1.4	<2	7	87	7.63	.127	11	243	4.02	183	.02	4	2.08	.01	.60	<2	3

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.  
 ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB  
 - SAMPLE TYPE: ROCK AU\* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.  
 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 4 1996 DATE REPORT MAILED: *June 10/96* SIGNED BY: *[Signature]* D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS



## GEOCHEMICAL ANALYSIS CERTIFICATE



Lloyd Addie File # 96-2164

1102 Gordon Road A-801, Nelson BC V1L 3M4

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
E 73361	<1	<1	<3	2	<3	7	<1	27	.01	<2	10	<2	<2	7274	.2	2	<2	13	39.78	.025	<1	2	.25	146	<.01	4	.01	.01	<.01	<2	1
E 73362	2	44	3353	24798	126.7	7	<1	12543	5.09	6888	<5	<2	<2	164	158.7	56	10	1	2.64	.052	1	11	.77	10	<.01	<3	.04	.01	.02	5	96
E 73363	<1	2	870	15301	3.3	1	<1	12118	4.23	50	5	<2	2	530	98.9	<2	9	4	17.16	.009	3	6	2.66	22	<.01	<3	.04	.01	.02	<2	2
E 73364	2	40	506	12986	63.0	10	1	5018	2.57	4197	<5	<2	<2	151	93.7	27	3	2	2.77	.028	1	9	.65	43	<.01	5	.03	<.01	.01	6	56
E 73365	6	166	33255	16917	357.8	<1	<1	4530	16.15	8730	8	<2	3	89	200.7	106	7	12	.50	.025	2	13	.07	19	<.01	<3	.14	<.01	.02	6	293
E 73366	2	<1	2804	2909	7.1	1	<1	25932	4.06	2329	5	<2	<2	627	5.0	25	13	6	28.16	.015	5	3	1.15	14	<.01	<3	.11	<.01	.03	<2	44
RE E 73366	2	<1	2828	2901	7.3	<1	<1	25946	4.05	2287	5	<2	<2	626	5.2	25	11	5	28.26	.017	4	4	1.15	12	<.01	<3	.11	<.01	.02	<2	41
E 73367	2	4	669	7635	11.7	5	1	21181	2.65	1621	<5	<2	<2	740	47.1	16	11	3	34.90	.017	10	6	.28	15	<.01	<3	.08	.01	<.01	<2	42
E 73368	2	<1	901	4142	3.9	<1	<1	31078	4.58	63	7	<2	3	2057	13.7	3	15	2	23.18	.002	3	1	9.34	4	<.01	<3	.02	<.01	<.01	<2	4
E 73369	3	16	270	24289	12.9	3	<1	17143	4.41	12470	5	<2	3	544	147.7	63	10	4	14.54	.009	3	9	1.82	9	<.01	3	.04	<.01	.01	<2	193
E 73370	1	45	21	128	.7	42	19	431	4.18	32	<5	<2	12	281	1.2	<2	4	8	2.88	.090	38	11	.37	40	<.01	<3	.84	.01	.25	<2	1
STANDARD C2/AU-R	18	55	35	139	6.0	70	32	1133	3.78	42	17	8	33	50	19.2	16	20	67	.54	.089	38	61	.95	201	.08	28	1.90	.06	.13	13	550

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.

ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB

- SAMPLE TYPE: ROCK AU\* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 11 1996

DATE REPORT MAILED:

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



## GEOCHEMICAL ANALYSIS CERTIFICATE

Lloyd Addie File # 96-2416 Page 1

1102 Gordon Road A-801, Nelson BC V1L 3M4



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Au* ppb
E 73371	1	5	4	54	<.3	9	1	373	.99	2	<5	<2	<2	10	.5	3	<2	4	.18	.010	2	16	.07	14	<.01	<3	.18	.01	.02	7	5	-
E 73372	1	4	<3	36	<.3	8	1	677	.74	10	<5	<2	<2	1884	.6	<2	<2	11	35.26	<.001	5	6	1.10	47	<.01	<3	.34	<.01	.04	3	4	-
E 73373	4	18	17	87	<.3	22	5	808	2.13	27	<5	<2	3	789	1.2	2	<2	24	13.77	.024	8	22	2.08	42	<.01	<3	.47	.01	.11	3	1	-
E 73374	22	479	14	23	.6	34	52	340	7.20	7	<5	<2	<2	69	.6	<2	<2	104	.21	.068	2	44	.30	116	.05	<3	.73	.03	.17	43	50	-
E 73375	4	61	<3	47	<.3	41	17	567	1.56	3	<5	<2	<2	10	.4	<2	<2	24	.19	.039	3	46	.26	31	<.01	3	.30	.01	.04	7	22	-
E 73376	11	552	227	1440	23.6	66	48	1271	10.49	216	<5	30	2	42	12.0	2	<2	75	.04	.092	4	59	.16	56	<.01	6	.81	.01	.18	441	8750	-
E 73377	1	36	4	20	<.3	14	7	406	1.27	4	<5	<2	<2	4	<.2	4	<2	23	.05	.009	1	34	.22	10	<.01	<3	.27	.01	.01	40	33	-
E 73378	3	17	5	18	<.3	13	2	200	.81	<2	<5	<2	<2	3	<.2	<2	<2	5	.02	.005	<1	13	.02	8	<.01	3	.06	.01	.02	6	1590	138 *
RE E 73378	3	17	3	18	<.3	13	2	226	.86	<2	<5	<2	<2	3	<.2	<2	<2	6	.02	.006	<1	13	.02	8	<.01	4	.07	.01	.02	7	189	76 *
E 73379	10	90	23	15	9.5	45	86	312	13.49	47	<5	<2	<2	8	<.2	<2	14	79	.06	.039	1	36	.21	34	.04	4	.41	.01	.08	14	535	-
E 73380	5	23	11	15	.7	14	5	103	2.43	6	<5	<2	<2	2	<.2	<2	2	12	.01	.006	<1	15	.04	15	<.01	<3	.08	.01	.02	192	287	-
E 73381	7	87	14	9	1.4	9	14	164	5.55	<2	<5	<2	<2	34	<.2	3	190	38	.02	.024	1	27	.17	34	.02	3	.30	.01	.14	12	90	-
E 73382	3	114	14	21	1.6	20	31	374	8.07	<2	<5	<2	<2	22	<.2	<2	7	179	.04	.086	2	55	.12	27	.01	9	.45	<.01	.04	4	26	-
E 73383	<1	36	221	44	2.0	939	233	736	7.66	108	<5	<2	2	22	.2	<2	16	171	.27	.072	2	96	1.69	43	.08	24	1.56	.01	.09	4	650	-
STANDARD C2/AU-R	20	58	39	138	6.4	71	35	1172	3.91	39	24	8	35	51	20.4	17	20	70	.52	.099	40	62	1.00	200	.07	29	1.89	.06	.13	15	512	-

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\* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB

- SAMPLE TYPE: P1 ROCK P2 TO P3 SOIL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUN 24 1996

DATE REPORT MAILED: July 8/96

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

\* Erratic results may be due to nuggets effect

30-Aug-96

ECO-TECH LABORATORIES LTD.  
10041 East Trans Canada Highway  
KAMLOOPS, B.C.  
V2C 6T4

Phone: 604-573-5700  
Fax : 604-573-4557

ICP CERTIFICATE OF ANALYSIS AK 96-981

L.ADDIE  
1102 GORDON RD. A-801  
NELSON, BC  
V1L 3M4

ATTENTION: LLOYD ADDIE

No. of samples received: 10  
Sample type: ROCK  
PROJECT #: NONE GIVEN  
SHIPMENT #: NONE GIVEN  
Samples submitted by: LLOYD ADDIE

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	90401	55	5.2	0.91	140	100	<5	0.31	<1	43	110	89	6.19	<10	0.77	825	8	<0.01	153	1140	60	<5	<20	13	<0.01	<10	22	<10	8	50
2	90402	10	1.0	0.26	10	15	<5	>10	<1	2	13	3	0.37	<10	0.56	175	<1	<0.01	10	610	<2	5	<20	671	<0.01	<10	7	<10	4	15
3	90403	10	5.0	0.46	205	40	<5	>10	<1	24	140	28	3.14	<10	0.62	824	3	<0.01	249	1030	32	<5	<20	114	<0.01	<10	17	<10	10	158
4	90404	10	9.2	1.26	75	65	<5	8.51	4	12	27	18	3.66	20	0.78	838	3	<0.01	31	1350	58	10	<20	292	<0.01	<10	25	<10	6	193
5	90405	>1000	>30	0.25	480	55	<5	>10	28	7	51	43	3.25	<10	0.27	2172	3	<0.01	49	1110	612	<5	<20	322	<0.01	<10	25	<10	3	1546
6	90406	55	21.2	0.27	80	50	<5	>10	8	6	30	13	2.00	<10	2.74	1957	2	<0.01	21	1200	334	15	<20	797	<0.01	<10	14	<10	9	497
7	90407	10	1.4	0.08	10	<5	<5	>10	<1	2	13	<1	0.54	<10	1.54	588	<1	<0.01	7	770	6	15	<20	1765	<0.01	<10	7	<10	2	16
8	90408	5	<0.2	0.32	<5	55	<5	0.24	<1	3	201	17	1.00	<10	0.27	113	7	<0.01	6	80	6	<5	<20	11	<0.01	10	9	<10	<1	6
9	90409	10	0.2	1.50	<5	115	<5	0.77	<1	12	104	956	6.85	<10	1.40	228	<1	0.10	5	1270	6	<5	<20	38	0.24	<10	136	150	<1	10
10	90410	35	0.6	0.39	35	20	<5	0.04	<1	4	273	76	2.01	<10	0.27	209	10	0.02	9	130	6	<5	<20	7	<0.01	20	7	<10	<1	9

QC DATA:

Resplit:

1	90401	60	5.2	1.01	155	115	<5	0.32	<1	44	114	90	6.60	<10	0.82	864	8	<0.01	164	1180	38	<5	<20	15	<0.01	<10	25	<10	9	53
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Repeat:

1	90401	50	5.0	0.92	150	100	<5	0.31	<1	42	112	88	6.33	<10	0.77	841	8	<0.01	160	1170	34	<5	<20	12	<0.01	<10	22	<10	8	52
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Standard:

GEO'96	-	0.8	1.77	65	140	<5	1.74	<1	19	62	69	3.98	<10	0.97	687	<1	0.02	22	690	18	<5	<20	53	0.12	<10	78	<10	3	64
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df/981a  
XLS/96kmisc#7

  
ECO-TECH LABORATORIES LTD.  
Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer

24-Sep-96

ECO-TECH LABORATORIES LTD.  
10041 East Trans Canada Highway  
KAMLOOPS, B.C.  
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 96-1091

Lloyd Addie  
1102 Gordon Road, A-801  
Nelson BC  
V1L 3M4

Phone: 604-573-5700  
Fax : 604-573-4557

ATTENTION: Lloyd Addie

No. of samples received: 15

Sample type: ROCK

PROJECT #: NOT GIVEN

SHIPMENT #: NOT GIVEN


Samples submitted by: LLOYD ADDIE

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	90411	5	4.6	0.41	<5	<5	<5	>10	362	12	50	67	5.19	<10	0.92	>10000	<1	<0.01	11	110	4904	<5	<20	1079	0.03	<10	18	<10	<1	>10000
2	90412	5	<0.2	1.72	<5	40	<5	0.96	1	37	55	907	7.45	<10	1.05	232	8	0.17	25	1100	28	<5	<20	50	0.19	<10	114	130	<1	221
3	90413	5	<0.2	0.80	<5	30	<5	1.11	1	35	52	241	4.35	<10	0.16	186	8	0.10	11	1230	24	<5	<20	50	0.16	<10	44	<10	1	120
4	90414	5	<0.2	1.72	<5	35	<5	1.73	<1	22	30	140	4.09	<10	0.37	230	3	0.15	4	2180	18	<5	<20	92	0.11	<10	49	<10	3	35
5	90415	10	<0.2	1.31	<5	35	5	1.37	<1	16	39	72	3.73	<10	0.73	428	<1	0.09	7	1990	14	<5	<20	39	0.17	<10	92	<10	5	39
6	90416	5	<0.2	1.84	10	60	<5	1.17	<1	25	93	85	3.71	<10	0.78	181	4	0.22	39	1280	16	<5	<20	106	0.19	<10	104	<10	3	26
7	90417	5	<0.2	3.32	<5	50	<5	1.44	<1	18	78	152	4.30	<10	1.61	175	<1	0.28	15	1080	20	<5	<20	89	0.24	<10	208	<10	2	29
8	90418	10	2.2	0.14	<5	15	<5	0.15	<1	4	122	4312	1.40	<10	0.02	47	226	0.01	2	270	8	<5	<20	5	<0.01	<10	3	470	4	50
9	90419	5	0.4	0.72	<5	40	<5	0.49	<1	8	82	43	2.14	<10	0.27	186	2	0.07	3	780	10	<5	<20	54	0.06	<10	33	<10	2	14
10	90420	990	>30	0.56	30	30	<5	0.79	139	3	155	2850	1.42	<10	1.31	231	17	<0.01	10	1300	8680	115	<20	42	<0.01	<10	14	<10	<1	>10000
11	90421	10	>30	0.13	15	<5	<5	>10	45	1	29	94	0.81	<10	4.26	3692	2	<0.01	4	720	526	30	<20	1004	<0.01	<10	8	<10	1	1431
12	90422	70	>30	0.29	235	35	<5	4.36	62	11	125	193	2.39	<10	1.61	1406	8	<0.01	52	1040	3348	25	<20	364	<0.01	<10	10	<10	<1	4506
13	90423	615	>30	0.20	390	15	<5	0.81	<1	2	169	8	1.61	<10	0.06	792	4	<0.01	9	740	78	<5	<20	42	<0.01	<10	4	<10	<1	157
14	90424	5	5.2	0.15	135	<5	<5	>10	<1	3	27	4	1.82	<10	1.19	2909	4	<0.01	6	470	22	10	<20	1795	<0.01	<10	6	<10	<1	103
15	90425	5	1.2	0.04	<5	20	<5	0.59	<1	<1	220	4	0.51	<10	0.06	225	3	<0.01	3	100	14	<5	<20	34	<0.01	<10	2	<10	<1	20

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y*	Zn	
<b>QC DATA:</b>																															
<i>Resplit:</i>																															
1	90411	5	5.0	0.36	<5	<5	<5	>10	348	11	44	53	4.79	<10	0.88	>10000	<1	<0.01	9	100	5148	<5	<20	1060	0.02	<10	16	<10	<1	>10000	
<i>Repeat:</i>																															
1	90411	5	5.0	0.43	<5	<5	<5	>10	391	12	46	74	5.29	<10	0.91	>10000	<1	<0.01	10	110	4998	<5	<20	1052	0.03	<10	20	<10	<1	>10000	
10	90420	860	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<i>Standard:</i>																															
GEO'96		145	1.4	1.99	60	160	<5	1.88	<1	20	67	81	4.18	<10	1.06	768	<1	0.02	25	770	22	<5	<20	61	0.13	<10	86	<10	4	82	

df/5321  
 XLS/96Kmisc#8  
 FAX @:604-352-3013

  
 ECO-TECH LABORATORIES LTD.  
 Frank J. Pezzotti, A.Sc.T.  
 B.C. Certified Assayer

117



GEOCHEMICAL ANALYSIS CERTIFICATE



Lloyd Addie PROJECT NO.1 File # 96-3188 Page 1  
1102 Gordon Road A-801, Nelson BC V1L 3M4

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
NO.1 L50S 0+60W	1	11	30	152	<.3	21	7	1213	2.79	4	<5	<2	2	13	<.2	<2	<2	30	.18	.182	8	12	.29	66	.12	<3	3.38	.02	.02	<2
NO.1 L50S 0+40W	1	16	48	212	.9	23	6	472	3.74	22	<5	<2	3	8	<.2	2	<2	45	.08	.059	9	24	.28	66	.14	<3	2.49	.01	.04	<2
NO.1 L50S 0+30W	2	15	21	196	.7	20	8	951	3.36	<2	<5	<2	3	13	<.2	<2	<2	46	.12	.089	11	17	.22	96	.16	<3	3.79	.02	.03	<2
NO.1 L50S 0+20W	2	30	32	219	.4	44	17	646	4.60	3	<5	<2	5	14	<.2	<2	<2	37	.15	.118	15	28	.47	94	.07	<3	2.68	.01	.04	<2
NO.1 L50S 0+10W	1	11	18	222	1.6	12	6	2675	2.66	<2	<5	<2	2	12	<.2	<2	<2	39	.08	.149	6	14	.12	108	.17	<3	3.65	.02	.03	<2
NO.1 L75S 0+40W	2	33	55	183	.7	33	10	803	4.74	10	<5	<2	3	14	.5	<2	<2	66	.13	.120	9	35	.46	68	.14	<3	1.97	.01	.04	<2
NO.1 L75S 0+30W	2	26	32	204	1.3	23	5	655	4.87	9	<5	<2	2	16	.3	<2	<2	56	.15	.127	11	25	.34	132	.16	<3	2.03	.01	.04	<2
NO.1 L75S 0+20W	1	25	24	213	1.1	19	9	1129	3.95	<2	<5	<2	3	12	<.2	<2	<2	45	.11	.127	10	20	.21	85	.18	<3	4.68	.02	.03	<2
NO.1 L75S 0+10W	1	17	44	427	.5	28	6	2829	2.97	<2	<5	<2	3	65	2.0	<2	<2	38	.56	.399	10	18	.15	108	.15	<3	6.66	.02	.03	<2
NO.1 L75S 0+00	1	19	66	303	3.8	16	5	1266	3.23	<2	<5	<2	4	27	.9	<2	<2	42	.23	.378	12	17	.15	83	.14	<3	5.34	.02	.03	<2
NO.1 L75S 0+10E	1	14	38	266	.6	24	8	1274	3.34	9	<5	<2	3	44	<.2	<2	<2	44	.31	.215	8	22	.31	101	.10	<3	3.93	.01	.04	<2
NO.1 L75S 0+20E	1	16	53	300	1.1	32	9	1551	3.54	7	<5	<2	7	27	.3	<2	<2	44	.18	.104	18	28	.36	141	.11	<3	3.35	.02	.05	<2
NO.1 L75S 0+30E	1	11	39	405	1.6	35	8	1038	3.65	48	<5	<2	10	20	<.2	<2	<2	30	.26	.162	14	22	.18	97	.06	<3	3.22	.01	.04	<2
NO.1 L75S 0+40E	1	20	36	296	3.0	23	6	2490	2.98	<2	<5	<2	5	15	.8	<2	<2	40	.15	.159	16	15	.14	101	.17	<3	4.72	.02	.03	<2
NO.1 L75S 0+50E	1	14	38	248	1.1	33	7	1434	3.44	14	<5	<2	4	16	.3	2	<2	43	.11	.211	9	21	.26	157	.13	<3	4.00	.02	.05	<2
RE NO.1 L75S 0+50E	1	15	35	254	1.2	34	8	1465	3.48	10	<5	<2	5	17	.4	<2	2	43	.12	.216	9	22	.26	159	.13	<3	4.11	.02	.05	<2
NO.1 L75S 0+60E	1	14	36	212	.6	32	11	1331	3.51	6	<5	<2	5	22	<.2	<2	<2	45	.19	.134	12	32	.42	107	.10	<3	2.82	.01	.07	<2
NO.1 L75S 0+70E	1	15	27	200	1.2	17	6	1243	3.30	13	<5	<2	4	21	.2	<2	<2	48	.18	.280	7	22	.21	113	.18	<3	4.22	.03	.05	<2
NO.1 L75S 0+80E	<1	23	249	1160	22.3	46	11	1273	4.18	34	<5	<2	6	49	1.9	2	<2	54	.41	.349	10	40	.52	88	.16	<3	5.50	.02	.04	<2
NO.1 L75S 0+90E	<1	21	54	1054	.8	36	6	14063	4.18	3	<5	<2	3	144	4.2	2	2	46	.90	.408	15	25	.30	459	.14	3	4.16	.02	.05	<2
NO.1 L75S 1+00E	1	19	142	610	2.5	44	9	6201	4.75	<2	<5	<2	7	177	2.5	<2	<2	52	1.40	.383	34	35	.40	258	.14	4	5.52	.02	.08	<2
NO.1 L100S 0+40W	2	40	35	134	1.0	57	14	983	4.92	2	<5	<2	4	16	<.2	<2	<2	67	.17	.107	24	105	.82	48	.07	<3	2.84	.01	.06	<2
NO.1 L100S 0+30W	1	41	34	191	1.4	64	18	1856	4.42	<2	<5	<2	2	13	<.2	<2	<2	60	.17	.180	21	97	.92	82	.06	<3	3.01	.01	.06	<2
NO.1 L100S 0+20W	2	43	37	168	.9	40	15	1010	5.75	<2	<5	<2	5	18	<.2	<2	<2	64	.17	.161	14	71	.47	98	.15	3	3.94	.01	.05	<2
NO.1 L100S 0+10W	2	23	33	172	.3	26	8	715	4.25	13	<5	<2	6	18	<.2	<2	<2	52	.15	.283	12	29	.29	89	.12	<3	2.43	.01	.05	<2
NO.1 L125S 0+40W	1	31	27	200	<.3	38	20	2871	4.18	2	<5	<2	<2	22	<.2	<2	<2	48	.24	.222	12	44	.48	97	.09	<3	1.68	.01	.07	<2
NO.1 L125S 0+30W	1	40	38	158	.5	57	18	1498	4.61	<2	<5	<2	3	10	<.2	2	2	61	.11	.166	26	102	.82	59	.07	<3	3.03	.01	.07	<2
NO.1 L125S 0+20W	1	41	40	182	.8	62	17	1330	4.84	2	<5	<2	4	18	<.2	<2	<2	65	.16	.139	28	101	.85	61	.08	<3	3.23	.01	.07	<2
NO.1 L125S 0+10W	1	27	154	319	4.4	40	13	1553	3.84	3	<5	<2	3	37	.3	<2	<2	48	.35	.235	18	49	.52	95	.08	<3	2.82	.01	.06	<2
NO.1 L125S 0+00	2	40	74	250	3.7	64	16	1960	5.46	29	<5	<2	4	13	<.2	<2	<2	68	.10	.114	18	87	.82	105	.07	3	3.45	.01	.07	<2
NO.1 L125S 0+10E	<1	33	108	546	12.0	51	8	17931	6.93	806	<5	<2	3	127	3.4	6	<2	48	1.09	.407	32	34	.37	386	.09	3	3.79	.01	.07	<2
NO.1 L125S 0+20E	2	13	44	307	1.3	31	7	3051	3.65	26	<5	<2	4	32	<.2	<2	<2	45	.22	.150	14	25	.36	137	.12	<3	4.31	.01	.04	<2
NO.1 L125S 0+30E	1	17	32	251	1.4	25	9	3214	3.35	5	<5	<2	2	15	<.2	<2	<2	47	.11	.176	10	29	.31	126	.11	<3	2.33	.02	.05	<2
NO.1 L125S 0+40E	1	13	16	123	1.8	12	2	576	2.35	7	<5	<2	3	11	.4	<2	<2	37	.11	.154	3	13	.10	50	.19	<3	6.30	.02	.02	<2
NO.1 L125S 0+50E	1	21	40	255	.7	34	8	1891	4.25	<2	<5	<2	6	23	<.2	<2	<2	52	.21	.545	9	35	.38	95	.12	<3	5.74	.01	.04	2
STANDARD C2	20	58	36	133	6.0	74	34	1205	3.72	35	18	7	35	49	18.1	17	17	70	.52	.102	38	62	.93	199	.07	26	1.87	.06	.13	12

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.

- SAMPLE TYPE: SOIL Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 29 1996 DATE REPORT MAILED: Aug 5/96 1118 ED BY: C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS



SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm
NO.1 L125S 0+60E	1	14	59	296	.6	34	11	4712	4.15	18	<5	<2	3	49	<.2	<2	3	53	.33	.164	11	36	.49	194	.10	<3	2.95	.01	.06	<2
NO.1 L125S 0+70E	1	24	67	598	.6	38	13	11112	4.59	21	<5	<2	2	60	.7	<2	<2	54	.35	.166	15	35	.42	314	.06	<3	3.18	.01	.06	<2
NO.1 L125S 0+80E	1	22	82	314	.4	40	13	3260	4.60	22	<5	<2	5	46	<.2	<2	<2	50	.29	.202	16	37	.47	148	.08	<3	3.19	.02	.07	<2
NO.1 L125S 0+90E	<1	15	68	329	.4	37	10	5059	5.03	11	<5	<2	6	159	1.6	<2	<2	44	.89	.317	29	26	.44	265	.07	3	3.58	.02	.13	<2
NO.1 L125S 1+00E	<1	26	63	509	1.1	37	9	10331	4.52	3	<5	<2	6	399	2.5	4	4	45	2.43	.305	24	36	.62	329	.11	6	4.07	.02	.12	<2
RE NO.1 L125S 1+00E	<1	26	67	497	1.2	37	9	10108	4.44	2	<5	<2	5	387	2.5	<2	4	44	2.40	.297	23	35	.61	318	.10	5	3.95	.02	.12	<2
STANDARD C2	21	60	38	142	6.5	74	37	1201	4.00	38	20	8	37	54	20.2	17	19	74	.54	.100	42	68	1.02	208	.08	29	2.03	.06	.15	10

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



GEOCHEMICAL ANALYSIS CERTIFICATE



Lloyd Addie File # 96-2795 Page 1

1102 Gordon Road A-801, Nelson BC V1L 3M4

SAMPLE#	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	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb
NO.1 L50S 0+00E	<1	32	1677	1750	39.6	20	10	7502	4.82	520	11	<2	3	20	14.6	3	3	40	.17	.233	10	16	.26	91	.08	<3	5.74	.02	.04	<2	11
NO.1 L50S 0+10E	2	13	58	582	1.1	27	6	1351	3.29	4	<5	<2	6	62	3.3	4	<2	41	.45	.333	17	16	.26	138	.23	<3	8.62	.04	.06	<2	<1
NO.1 L50S 0+20E	<1	15	92	491	1.4	33	11	1190	3.43	16	<5	<2	6	31	1.6	<2	<2	49	.25	.209	10	23	.36	176	.11	<3	5.15	.02	.05	<2	<1
NO.1 L50S 0+30E	<1	13	96	452	4.1	22	8	5399	3.54	35	11	<2	3	72	2.5	<2	<2	47	.52	.149	9	14	.25	156	.15	3	4.11	.03	.05	<2	1
NO.1 L50S 0+40E	1	17	71	387	2.6	24	9	3227	3.14	44	6	<2	4	34	1.8	<2	<2	45	.20	.166	10	19	.32	191	.12	<3	3.51	.02	.06	<2	<1
NO.1 L50S 0+50E	<1	19	62	562	2.7	33	10	4778	3.57	35	<5	<2	6	68	3.4	<2	3	47	.52	.421	11	23	.41	203	.12	<3	4.61	.02	.08	<2	<1
NO.1 L50S 0+60E	<1	12	59	405	.8	23	12	2547	3.96	34	5	<2	5	32	1.9	<2	<2	53	.23	.212	9	25	.23	203	.13	<3	3.23	.02	.08	<2	<1
NO.1 L50S 0+70E	<1	19	72	655	1.6	48	11	7902	4.84	15	5	<2	7	90	3.3	<2	3	35	1.56	.414	26	18	.22	214	.07	3	3.66	.02	.08	<2	3
NO.1 L50S 0+80E	<1	17	45	333	<.3	31	8	8206	2.89	26	6	<2	2	97	3.4	<2	<2	37	.93	.210	13	31	.16	244	.04	<3	2.28	.03	.06	<2	2
NO.1 L50S 0+90E	<1	24	70	617	.7	35	11	7561	4.71	14	<5	<2	6	176	3.4	<2	2	47	1.44	.210	20	31	.53	315	.12	<3	3.91	.02	.08	<2	2
NO.1 L1+00S 0+00E	2	56	118	469	1.9	59	16	11009	6.05	35	5	<2	6	26	4.9	<2	2	60	.17	.331	22	44	.43	311	.10	<3	4.00	.02	.07	<2	3
NO.1 L1+00S 0+10E	<1	15	52	389	.9	29	13	1918	4.00	42	<5	<2	5	25	1.3	<2	<2	54	.25	.211	10	29	.37	113	.10	<3	3.90	.02	.05	<2	3
NO.1 L1+00S 0+20E	1	14	50	272	.5	24	11	1526	4.16	34	<5	<2	5	38	.7	<2	2	58	.29	.265	8	23	.35	99	.14	<3	4.98	.03	.06	<2	2
NO.1 L1+00S 0+30E	<1	16	94	301	.5	25	10	1741	3.73	31	<5	<2	5	35	1.0	<2	<2	49	.25	.169	8	21	.40	151	.14	<3	4.27	.03	.06	<2	5
RE NO.1 L1+00S 0+30E	<1	16	91	304	.5	25	10	1737	3.81	32	<5	<2	5	35	1.0	<2	<2	50	.26	.168	9	21	.40	153	.14	<3	4.27	.03	.06	<2	4
NO.1 L1+00S 0+40E	<1	14	36	225	.5	18	6	2559	3.16	14	<5	<2	5	45	1.1	<2	3	42	.37	.339	9	11	.25	169	.19	<3	3.61	.03	.05	<2	2
NO.1 L1+00S 0+50E	1	14	63	262	.7	23	10	1714	3.43	24	<5	<2	4	25	.8	<2	<2	46	.17	.146	10	24	.33	130	.11	<3	2.91	.02	.06	<2	2
NO.1 L1+00S 0+60E	<1	16	50	199	.3	25	11	2341	3.44	18	<5	<2	5	22	.9	<2	<2	45	.17	.161	11	23	.32	109	.11	<3	3.61	.02	.06	<2	3
NO.1 L1+00S 0+70E	<1	11	39	130	.4	17	8	705	3.18	21	<5	<2	4	15	.7	3	<2	43	.10	.056	12	21	.28	67	.05	<3	1.65	.02	.05	<2	4
NO.1 L1+00S 0+80E	<1	15	90	568	3.2	22	10	982	3.26	17	<5	<2	5	24	1.6	<2	<2	48	.21	.127	8	19	.36	102	.19	<3	5.68	.03	.05	<2	4
NO.1 L1+00S 0+90E	1	17	162	678	10.9	28	11	1939	3.89	40	<5	<2	6	24	2.1	<2	<2	53	.21	.135	10	23	.34	100	.20	<3	5.13	.03	.05	<2	3
NO.1 L1+50S 0+00E	1	26	53	289	1.7	50	19	2260	4.64	12	<5	<2	4	10	1.2	<2	<2	59	.08	.106	16	71	.65	73	.10	3	4.46	.02	.06	<2	8
NO.1 L1+50S 0+20E	2	20	70	373	5.5	18	10	3922	3.71	30	<5	<2	4	16	1.5	<2	2	47	.12	.171	9	18	.23	146	.14	<3	4.48	.02	.04	<2	2
NO.1 L1+50S 0+40E	<1	20	45	259	<.3	43	13	1214	3.84	18	<5	<2	7	44	.7	<2	3	51	.32	.193	14	42	.62	178	.07	<3	4.28	.02	.08	<2	7
NO.1 L1+50S 0+60E	1	13	45	361	<.3	24	11	2672	3.85	10	<5	<2	5	108	1.0	<2	6	57	.54	.196	8	26	.40	170	.13	<3	4.78	.03	.05	<2	3
NO.1 L1+50S 0+80E	2	17	63	356	.9	31	10	5556	3.27	11	61	<2	5	891	2.5	2	2	39	3.43	.256	14	28	1.15	230	.10	6	3.17	.03	.12	<2	3
NO.1 L1+50S 1+00E	<1	27	55	402	.6	44	12	6584	5.38	9	9	<2	9	266	2.0	<2	4	58	1.41	.376	27	34	.64	256	.14	3	4.88	.03	.13	<2	1
NO.1 L1+50S 1+20E	2	16	36	170	.5	22	13	797	3.93	15	5	<2	5	33	.5	2	<2	54	.24	.198	9	28	.39	98	.11	<3	3.48	.02	.06	<2	4
NO.1 L1+50S 1+40E	<1	16	20	244	<.3	30	7	922	3.19	<2	<5	<2	6	49	1.0	<2	2	38	.55	.318	9	19	.58	80	.19	<3	8.09	.03	.05	<2	2
NO.1 L2+50S 0+40W	1	21	32	198	.4	17	7	413	4.81	21	<5	<2	6	13	1.9	<2	<2	61	.09	.297	8	23	.30	78	.19	<3	4.35	.02	.05	<2	4
NO.1 L2+50S 0+20W	<1	17	33	369	<.3	30	11	2266	3.66	21	<5	<2	6	53	2.1	2	2	42	.36	.365	9	20	.29	122	.08	<3	3.59	.02	.06	<2	3
NO.1 L2+50S 0+10W	2	14	20	362	.8	16	6	411	2.58	8	<5	<2	5	28	2.3	<2	2	36	.21	.194	5	12	.16	68	.14	<3	5.82	.03	.03	<2	1
NO.1 L2+50S 0+00E	<1	19	30	254	.4	30	11	417	3.32	8	<5	<2	9	59	2.0	<2	<2	33	.40	.235	9	16	.21	106	.10	<3	5.98	.03	.04	<2	3
NO.1 L2+50S 0+20E	2	16	67	383	.5	22	11	1170	3.75	28	<5	<2	9	67	1.2	<2	<2	44	.45	.384	7	17	.15	121	.07	<3	5.17	.03	.06	<2	3
NO.1 L2+50S 0+40E	<1	16	36	284	.6	24	9	1736	3.17	14	5	<2	4	34	1.3	<2	<2	45	.24	.235	7	15	.23	103	.13	<3	5.47	.02	.05	<2	1
STANDARD C2/AU-S	19	58	40	135	6.0	71	36	1107	3.78	44	21	7	35	48	20.1	15	18	69	.54	.096	38	64	1.02	188	.07	23	2.01	.06	.14	12	53

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.  
 - SAMPLE TYPE: SOIL AU\* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.  
 Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: JUL 12 1996 DATE REPORT MAILED: July 23/96 ID BY: C. Leong D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

1120



SAMPLE#	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	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	%	ppm	ppb
NO.1 L2+50S 0+60E	1	21	49	262	.4	55	15	1122	4.27	39	<5	<2	5	34	.5	<2	2	50	.26	.324	11	47	.51	112	.09	<3	3.32	.02	.07	<2	1
NO.1 L2+50S 0+80E	1	22	57	329	.9	41	15	1060	4.33	22	<5	<2	6	58	1.2	<2	2	53	.41	.348	13	43	.54	87	.08	4	3.61	.02	.06	<2	3
NO.1 L2+50S 1+00E	<1	17	32	248	<.3	26	9	1798	3.45	3	<5	<2	7	91	1.2	<2	2	44	.43	.219	11	19	.32	106	.10	<3	5.85	.04	.06	<2	3
NO.1 L3+50S 0+40W	1	15	44	219	<.3	24	8	921	3.01	6	<5	<2	5	44	1.6	<2	<2	37	.29	.206	19	19	.28	70	.15	<3	6.00	.04	.06	<2	2
NO.1 L3+50S 0+20W	1	14	19	223	<.3	19	7	502	2.84	4	5	<2	5	38	.9	<2	2	33	.33	.283	6	11	.16	52	.14	<3	6.94	.03	.04	<2	1
RE NO.1 L3+50S 0+20W	<1	17	16	234	<.3	21	8	549	3.09	2	9	<2	6	42	1.0	3	2	36	.35	.294	7	15	.17	58	.16	<3	7.47	.04	.04	<2	1
NO.1 L3+50S 0+00E	<1	24	30	682	.4	26	7	6378	3.15	3	<5	<2	7	108	1.5	<2	<2	45	.84	.685	10	20	.22	201	.15	4	6.06	.04	.08	<2	1
NO.1 L3+50S 0+20E	<1	20	43	556	<.3	37	10	4580	3.21	5	<5	<2	6	127	2.3	<2	2	39	.89	.348	16	27	.37	204	.12	<3	3.71	.03	.07	<2	<1
NO.1 L3+50S 0+40E	<1	17	38	338	.3	70	12	1489	3.62	26	<5	<2	7	101	1.5	4	<2	41	.78	.554	9	30	.29	79	.10	3	4.50	.02	.06	<2	<1
NO.1 L3+50S 0+60E	<1	18	34	193	.6	25	9	558	3.70	10	<5	<2	6	31	.7	<2	2	52	.20	.191	7	23	.34	91	.16	3	4.95	.03	.06	<2	3
NO.1 L3+50S 0+80E	1	20	41	239	<.3	46	12	599	3.64	15	5	<2	7	45	1.0	<2	<2	41	.27	.111	12	27	.50	85	.09	<3	4.45	.02	.09	<2	1
NO.1 L3+50S 1+00E	<1	17	33	430	.6	25	9	3521	3.14	19	<5	<2	5	63	2.6	2	<2	37	.54	.285	8	19	.28	105	.12	<3	3.97	.03	.06	<2	1
STANDARD C2/AU-S	19	57	39	133	6.5	70	36	1194	4.03	42	17	7	33	55	20.9	16	19	69	.58	.099	37	54	1.13	176	.07	24	2.14	.07	.16	11	48

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



ACME ANALYTICAL

Lloyd Addie FILE # 96-2416

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ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
L1+20S 1+00W	1	28	18	97	.6	14	8	382	3.23	<2	<5	<2	3	17	<.2	5	<2	67	.19	.157	4	32	.34	155	.16	3	4.94	.02	.06	2	5
L1+20S 0+80W	1	20	17	79	.8	12	7	476	2.55	4	<5	<2	2	12	.4	2	<2	59	.11	.175	6	24	.36	93	.16	<3	2.79	.02	.07	<2	2
L1+20S 0+70W	1	102	22	195	.5	45	20	586	4.33	<2	<5	<2	4	28	1.1	<2	<2	106	.27	.123	11	71	1.48	194	.28	<3	4.44	.02	.13	<2	8
L1+20S 0+60W	1	67	457	362	2.3	37	16	580	4.61	4	<5	<2	3	33	.4	2	<2	134	.36	.150	12	73	1.38	123	.25	<3	3.45	.02	.07	<2	232
L1+20S 0+40W	1	67	35	148	<.3	25	14	1182	3.70	<2	<5	<2	3	20	.7	4	<2	102	.23	.103	7	53	1.00	109	.21	<3	2.86	.02	.07	<2	6
L1+20S 0+20W	1	81	21	137	<.3	36	17	553	4.66	<2	<5	<2	3	19	.3	<2	<2	135	.26	.124	7	70	1.61	124	.24	<3	4.05	.02	.11	<2	5
L2+00S 1+60W	1	61	15	107	.3	23	11	363	3.88	4	<5	<2	2	14	<.2	2	<2	108	.15	.094	5	55	1.05	52	.20	<3	2.93	.02	.08	3	7
L2+00S 1+40W	1	98	17	190	2.6	34	19	680	4.92	2	<5	<2	3	16	<.2	2	<2	134	.18	.101	6	77	1.56	82	.21	<3	3.81	.02	.12	<2	14
L2+00S 1+20W	1	37	13	123	.5	21	12	505	4.41	<2	<5	<2	2	16	<.2	<2	2	116	.16	.103	5	53	.88	74	.21	<3	2.93	.02	.05	<2	4
L2+00S 1+00W	1	41	13	89	.8	15	9	436	3.05	<2	<5	<2	3	11	.2	<2	<2	73	.11	.142	4	36	.53	62	.16	<3	3.93	.02	.05	<2	4
L2+00S 0+80W	2	43	22	95	.7	23	9	311	4.14	<2	<5	<2	3	18	<.2	2	<2	96	.16	.098	7	47	.80	102	.24	<3	3.40	.02	.09	<2	2
L2+00S 0+70W	1	66	20	129	.6	38	17	505	4.20	<2	<5	<2	4	23	<.2	<2	<2	105	.24	.114	10	61	1.26	180	.29	<3	3.93	.02	.08	<2	2
L2+00S 0+60W	1	85	15	148	1.1	26	22	683	5.30	3	<5	<2	5	21	<.2	<2	<2	150	.28	.217	9	62	1.36	175	.27	<3	3.73	.02	.09	<2	3
RE L2+00S 0+60W	1	87	14	150	1.1	29	22	680	5.33	<2	<5	<2	3	21	<.2	<2	3	149	.29	.215	9	63	1.37	175	.27	<3	3.71	.02	.09	<2	-
NO.1 0+00E	1	17	9	35	.8	11	2	209	1.62	<2	<5	<2	2	62	.8	<2	<2	27	.87	.095	14	7	.14	32	.17	<3	5.20	.07	.01	<2	<1
NO.1 0+10E	1	21	70	222	3.4	26	9	388	4.95	11	<5	<2	3	16	.6	<2	3	60	.14	.093	13	36	.39	75	.13	<3	2.88	.01	.04	<2	<1
NO.1 0+20E	1	26	72	267	1.3	40	12	717	5.63	29	<5	<2	7	22	<.2	<2	<2	65	.22	.424	12	41	.49	114	.12	<3	3.86	.01	.05	<2	1
NO.1 0+30E	2	30	53	196	1.0	29	11	604	4.80	24	<5	<2	5	29	.2	<2	<2	46	.21	.151	13	25	.33	94	.08	<3	2.25	.01	.05	<2	1
NO.1 0+40E	2	25	43	326	1.4	42	15	1453	5.34	25	<5	<2	6	19	.5	<2	2	40	.16	.128	14	24	.27	118	.08	<3	1.77	.01	.05	<2	1
NO.1 0+50E	1	29	85	378	7.7	43	18	1426	6.27	66	<5	<2	5	24	.5	<2	2	41	.22	.202	16	23	.33	109	.04	<3	2.14	.01	.06	<2	1
NO.1 0+60E	1	47	1308	1631	206.0	42	16	2517	4.94	233	<5	<2	8	55	7.5	12	3	41	.54	.162	26	33	.49	94	.06	<3	2.18	.01	.08	<2	8
NO.1 0+70E	<1	25	1177	2340	137.3	25	11	5097	4.66	998	<5	<2	4	68	16.0	7	2	51	.61	.301	10	22	.29	155	.19	<3	4.26	.03	.08	<2	8
NO.1 0+80E	1	19	388	1284	9.9	45	11	4963	4.26	73	<5	<2	6	126	7.3	2	<2	57	.70	.353	19	38	.54	139	.12	<3	3.71	.02	.09	<2	3
NO.1 0+90E	1	17	64	512	.9	49	18	1308	4.45	14	<5	<2	6	50	1.6	2	2	72	.38	.189	15	59	.87	115	.05	<3	2.24	.01	.07	<2	2
NO.11K 3+25W	2	53	26	125	3.0	63	13	1975	2.88	5	13	<2	2	82	1.4	<2	<2	35	2.11	.128	16	105	.43	77	.12	<3	6.00	.03	.05	<2	3
NO.11K 3+00W	2	30	20	231	1.5	31	11	970	4.78	4	<5	<2	2	23	.9	2	<2	76	.38	.189	11	68	.58	76	.14	<3	3.61	.02	.07	<2	1
NO.11K 2+75W	2	36	38	322	.7	57	17	2050	4.13	6	<5	<2	2	45	1.3	2	<2	70	.51	.283	13	86	.90	102	.07	<3	3.86	.01	.09	<2	1
NO.11K 2+50W	1	73	27	228	1.1	228	23	1575	4.85	6	<5	<2	4	24	.7	2	<2	83	.23	.082	33	153	1.38	133	.13	<3	4.82	.02	.10	<2	2
NO.11K 2+25W	1	17	22	340	<.3	24	7	1640	2.76	4	<5	<2	4	76	1.4	4	<2	41	.43	.441	9	21	.31	147	.17	<3	5.05	.03	.05	<2	<1
NO.11K 2+00W	1	12	26	304	<.3	22	6	1122	2.83	<2	<5	<2	5	66	.7	2	<2	39	.41	.567	9	18	.39	194	.17	<3	4.87	.03	.05	<2	<1
NO.11K 1+50W	2	16	45	254	<.3	36	10	399	3.11	15	<5	<2	3	36	.4	2	<2	66	.30	.056	13	54	.79	59	.02	<3	1.80	.01	.05	<2	1
NO.11K 1+25W	1	20	49	551	<.3	60	15	819	3.67	13	<5	<2	5	28	.9	2	<2	61	.20	.135	12	65	.87	130	.10	<3	3.97	.02	.08	<2	1
NO.11K 1+00W	2	22	48	451	.6	61	16	1070	3.64	5	<5	<2	4	36	.5	<2	<2	59	.34	.043	15	73	.99	113	.05	<3	2.92	.01	.07	<2	<1
NO.11K 0+75W	1	23	50	619	.7	54	17	2442	4.21	8	<5	<2	4	23	2.5	2	<2	62	.16	.197	16	65	.71	172	.08	<3	3.05	.01	.09	<2	<1
NO.11K 0+50W	<1	29	50	660	.6	56	18	2631	4.15	4	<5	<2	4	23	2.4	<2	<2	58	.21	.264	18	60	.75	169	.10	<3	3.36	.02	.10	<2	7
STANDARD C2/AU-S	20	60	43	134	6.0	71	35	1186	3.87	39	21	8	36	50	19.1	16	21	72	.53	.095	38	63	.98	197	.07	28	1.95	.06	.14	12	45

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

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ACME ANALYTICAL

Lloyd Addie FILE # 96-2416

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ACME ANALYTICAL

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
NO.11K 0+25W	2	35	41	450	<.3	53	17	1377	4.42	16	<5	<2	4	23	1.8	<2	2	47	.21	.125	24	46	.78	121	.06	<3	3.28	.01	.08	124	2
NO.11K 0+00W	1	18	43	415	.4	34	17	2134	4.09	15	<5	<2	3	33	2.3	<2	3	57	.26	.292	12	48	.42	142	.10	<3	3.33	.03	.11	101	2
NO.11K 0+25E	1	26	42	359	.7	44	12	893	3.97	6	<5	<2	2	29	1.8	<2	2	55	.27	.067	14	50	.57	119	.12	<3	3.43	.02	.06	57	1
RE NO.11K 0+25E	1	28	44	375	.8	45	15	920	4.13	7	<5	<2	3	30	2.0	2	2	58	.29	.070	15	53	.59	122	.12	3	3.57	.01	.07	72	1

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.



## Lloyd Addie File # 96-1699

1102 Gordon Road A-801, Nelson BC V1L 3M4

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb
PEND-1	2	16	1878	49990	4.2	8	6	703	18.25	14	<5	<2	<2	32	178.0	16	<2	2	16.64	.072	3	24	9.60	18	<.01	11	.09	.01	.16	<2	25
PEND-2	1	33	16	106	<.3	34	10	821	3.12	8	<5	<2	7	11	.4	<2	<2	8	.52	.159	22	10	.08	84	.01	<3	.65	.01	.32	2	1
PEND-3	9	22	20	289	1.4	11	2	67	1.74	<2	<5	<2	12	8	2.9	<2	<2	225	.25	.084	15	32	1.71	410	.09	<3	1.58	.01	.71	<2	<1
PEND-4	11	99	45	496	3.1	69	8	87	4.46	<2	10	<2	10	35	4.0	7	<2	200	1.37	.451	25	46	1.59	412	.03	<3	1.76	.01	.52	2	1
PEND-11	6	291	43	193	1.4	39	5	125	1.18	3	8	<2	3	67	1.2	2	<2	78	1.94	.315	5	38	.31	427	.02	<3	.60	.01	.33	4	63
PEND-13	6	458	8	168	.6	74	13	152	2.33	<2	18	<2	<2	114	.8	4	<2	45	2.55	.179	12	26	.89	327	.01	<3	1.01	.01	.24	3	9
LEN-1	8	40	41	85	1.5	65	8	1920	1.70	15	<5	<2	2	58	.6	<2	<2	43	3.20	.535	8	24	.07	116	<.01	<3	.42	<.01	.22	5	1
LEN-2	8	69	10	51	<.3	48	11	324	2.21	<2	<5	<2	<2	19	.2	<2	<2	53	.59	.219	4	56	.24	58	<.01	<3	.37	<.01	.09	5	<1
LEN-3	3	24	6	15	<.3	5	1	85	.86	<2	<5	<2	<2	1	<.2	<2	<2	2	.01	.003	1	14	.01	3	<.01	3	.06	<.01	.01	5	1
LEN-4	<1	467	11	14	1.2	428	163	407	27.02	<2	<5	<2	<2	1	.2	7	9	2	.01	.004	1	22	.02	2	<.01	<3	.08	<.01	.08	3	10
BUCKEYE-1	1	1386	43763	55198	203.2	8	37	17387	17.99	213	<5	<2	<2	81	286.7	104	3	5	5.80	.038	4	1	.27	4	<.01	3	.14	<.01	.09	<2	110
BUCKEYE-2	<1	721	545	14615	11.6	14	54	28026	36.90	89	<5	<2	<2	83	68.5	27	5	3	5.10	.003	5	<1	.72	4	<.01	9	.11	.01	.13	<2	80
RE BUCKEYE-2	<1	732	535	14287	11.2	14	55	27414	37.23	72	<5	<2	<2	84	66.6	23	3	1	5.11	.003	4	<1	.70	4	<.01	3	.09	.01	.13	<2	92
SCOT PRICE	2	1065	13984	87500	24.1	23	47	52910	21.20	29100	72	<2	<2	1	425.0	143	4	7	.27	<.001	<1	<1	.20	2	<.01	<3	.03	<.01	.16	<2	230
WB-1	2	30	517	180	.4	9	3	286	4.23	53	<5	<2	3	6	.8	6	<2	18	.24	.047	12	24	.03	56	<.01	<3	.52	.01	.15	3	3
WB-2	2	10	50	106	.7	6	2	170	1.22	37	<5	<2	2	11	.4	6	<2	13	.23	.026	14	16	.03	72	<.01	<3	.41	.01	.21	4	2
WB-3	2	7	26	77	.8	3	1	105	.59	18	<5	<2	<2	5	.4	11	<2	6	.04	.005	1	12	.01	25	<.01	<3	.28	<.01	.09	3	5
WB-4	2	25	21	60	<.3	18	9	837	3.11	7	<5	<2	5	271	<.2	9	<2	11	22.87	.094	32	6	.05	13	<.01	<3	.48	<.01	.13	2	1
WB-5	2	65	22	89	.4	65	19	1236	3.86	<2	<5	<2	8	155	<.2	3	<2	20	4.32	.046	14	32	1.33	23	<.01	<3	.37	.01	.17	<2	.1
WB-6	4	824	41778	99999	18.6	32	65	5024	14.40	15638	<5	<2	7	35	446.2	18	<2	6	4.19	.018	24	6	.10	11	<.01	6	.76	<.01	.33	<2	43
WOOD-1	4	34	147	404	.7	61	4	123	1.32	89	7	<2	3	77	2.9	6	<2	13	5.12	.233	5	37	.28	63	.03	<3	.46	.01	.13	4	2
STANDARD C2/AU-R	22	56	43	131	6.0	75	34	1112	3.77	37	19	7	34	51	19.3	16	19	73	.55	.095	41	64	.93	169	.07	24	1.95	.06	.16	11	514

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.

ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB

- SAMPLE TYPE: ROCK AU\* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: MAY 9 1996 DATE REPORT MAILED: May 17/96 SIGNED BY: C. Leong, D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

1-Oct-96

ECO-TECH LABORATORIES LTD.  
10041 East Trans Canada Highway  
KAMLOOPS, B.C.  
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 96-1138

LLOYD ADDIE  
1102 GORDON RD. A 801  
NELSON, BC  
V1L 3M4

ATTENTION: LLOYD ADDIE

Phone: 604-573-5700  
Fax : 604-573-4557

No. of samples received: 12  
Sample type: SOIL  
PROJECT #: NONE GIVEN  
SHIPMENT #: NONE GIVEN  
Samples submitted by: LLOYD ADDIE

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	CURRIE 0+00 SW	<5	0.2	3.43	<5	60	5	0.07	<1	12	30	22	4.11	<10	0.35	348	<1	0.01	9	1330	18	<5	<20	5	0.20	<10	73	<10	<1	52
2	CURRIE 0+10 SW	<5	<0.2	3.46	<5	70	10	0.11	<1	19	217	13	5.00	<10	1.51	455	<1	<0.01	47	1230	14	<5	<20	7	0.19	<10	104	<10	<1	74
3	CURRIE 0+20 SW	<5	<0.2	4.55	5	60	5	0.07	<1	11	70	11	3.94	<10	0.27	298	<1	0.01	13	1020	20	<5	<20	6	0.20	<10	57	<10	<1	42
4	CURRIE 0+30 SW	<5	1.0	3.45	<5	90	5	0.06	<1	21	166	13	5.86	<10	1.77	394	3	<0.01	52	640	12	<5	<20	4	0.04	<10	131	<10	<1	80
5	CURRIE 0+40 SW	<5	7.2	4.21	15	105	<5	0.14	<1	17	85	21	5.60	<10	0.73	782	<1	0.01	26	1940	24	<5	<20	9	0.14	<10	85	<10	<1	156
6	CURRIE 0+50 SW	<5	4.6	4.66	10	50	5	0.07	1	10	45	11	3.59	<10	0.15	558	<1	0.01	9	2100	26	<5	<20	4	0.14	<10	45	<10	1	73
7	CURRIE 0+60 SW	<5	9.8	3.33	20	175	10	0.18	2	23	80	25	6.91	<10	1.24	1099	2	0.01	39	1600	162	<5	<20	13	0.16	<10	109	<10	<1	198
8	CURRIE 0+70 SW	<5	6.0	3.09	15	90	<5	0.19	2	7	50	11	2.97	<10	0.71	281	<1	<0.01	19	2890	82	<5	<20	4	0.07	<10	60	<10	<1	288
9	CURRIE 0+80 SW	<5	2.6	3.44	15	105	<5	0.98	3	7	56	11	1.95	20	1.28	676	<1	<0.01	61	2090	60	<5	<20	17	0.06	<10	61	<10	15	159
10	CURRIE 0+90 SW	5	0.6	2.25	<5	90	<5	0.36	1	6	49	7	1.76	<10	1.95	1076	<1	<0.01	20	960	32	15	<20	7	0.09	<10	49	<10	2	153
11	CURRIE 1+00 SW	<5	0.6	4.34	20	140	<5	0.35	2	9	59	14	2.68	<10	2.21	238	<1	<0.01	37	1580	74	5	<20	8	0.08	<10	62	<10	2	293
12	CURRIE 1+25 SW	<5	0.4	2.47	<5	65	10	0.09	<1	11	23	11	4.55	<10	0.34	1268	<1	<0.01	8	2380	28	<5	<20	6	0.19	<10	65	<10	<1	73

QC DATA:


Repeat:

1	CURRIE 0+00 SW	<5	<0.2	3.47	<5	60	5	0.08	<1	12	31	22	4.16	<10	0.36	363	<1	0.01	11	1360	18	<5	<20	5	0.21	<10	74	<10	<1	56
10	CURRIE 0+90 SW	<5	0.6	2.18	10	90	<5	0.34	1	6	48	6	1.71	<10	1.92	1018	<1	<0.01	18	910	32	10	<20	7	0.09	<10	48	<10	2	144

Standard:

GEO'96		145	1.0	1.92	70	160	<5	1.85	<1	18	65	72	4.19	<10	1.03	745	<1	0.02	23	740	18	<5	<20	57	0.13	<10	83	<10	4	76
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df/1149  
XLS/96kmisc#8

  
ECO-TECH LABORATORIES LTD.  
per Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer

4-Nov-96

ECO-TECH LABORATORIES LTD.  
10041 East Trans Canada Highway  
KAMLOOPS, B.C.  
V2C 6T4

ICP CERTIFICATE OF ANALYSIS AK 96-1251

LLOYD ADDIE  
1102 GORDON RD. A 801  
NELSON, BC  
V1L 3M4

Phone: 604-573-5700  
Fax : 604-573-4557

ATTENTION: LLOYD ADDIE

No. of samples received: 10  
Sample type: SOIL  
PROJECT #: NONE GIVEN  
SHIPMENT #: NONE GIVEN  
Samples submitted by: LLOYD ADDIE

Values in ppm unless otherwise reported

Et #.	Tag #	Au(ppb)	Ag	Al %	As	Ba	Bi	Ca %	Cd	Co	Cr	Cu	Fe %	La	Mg %	Mn	Mo	Na %	Ni	P	Pb	Sb	Sn	Sr	Ti %	U	V	W	Y	Zn
1	CURRIEL100S 0+10 W	<5	1.0	3.75	5	110	10	0.12	<1	16	45	28	3.91	<10	0.93	675	1	<0.01	28	1560	16	<5	<20	7	0.13	<10	71	<10	4	95
2	CURRIEL100S 0+20 W	<5	1.2	1.70	<5	115	10	0.17	<1	12	38	11	3.14	<10	0.63	634	<1	<0.01	13	1130	22	10	<20	13	0.20	<10	58	<10	4	81
3	CURRIEL100S 0+30 W	<5	3.4	3.55	10	230	<5	0.16	<1	20	64	24	4.17	<10	1.40	598	<1	<0.01	58	1010	28	<5	<20	12	0.21	<10	78	<10	4	120
4	CURRIEL100S 0+40 W	5	3.0	1.53	15	120	5	0.15	<1	10	30	11	3.20	<10	0.55	799	1	<0.01	22	590	44	<5	<20	8	0.06	<10	54	<10	<1	124
5	CURRIEL100S 0+50 W	<5	2.2	3.75	30	75	15	0.11	<1	13	39	13	3.99	<10	0.58	332	<1	<0.01	21	2460	32	<5	<20	5	0.15	<10	61	<10	<1	110
6	CURRIEL100S 0+60 W	5	1.0	4.51	<5	65	10	1.23	1	15	34	16	5.16	<10	1.75	451	5	0.13	27	2680	30	15	<20	224	0.04	<10	36	<10	5	41
7	CURRIEL100S 0+70 W	<5	6.4	2.54	25	110	<5	0.38	1	11	51	13	3.28	<10	0.63	542	1	<0.01	38	3060	98	<5	<20	14	0.07	<10	80	<10	1	272
8	CURRIEL100S 0+80 W	<5	4.2	2.87	10	140	5	0.18	1	11	59	10	3.53	<10	0.79	534	<1	<0.01	25	1210	42	5	<20	8	0.13	<10	77	<10	<1	158
9	CURRIEL100S 0+90 W	<5	2.0	3.54	15	115	10	0.13	1	17	74	21	3.76	<10	1.21	476	1	<0.01	42	1720	34	10	<20	5	0.14	<10	75	<10	3	172
10	CURRIEL100S 0+100 W	<5	0.4	3.01	5	90	10	0.22	1	13	50	11	3.50	<10	1.20	485	1	<0.01	31	1640	40	20	<20	7	0.15	<10	64	<10	3	147

QC DATA:

Repeat:

1	CURRIEL100S 0+10 W	<5	1.4	3.95	<5	115	10	0.12	<1	17	48	27	4.16	<10	0.98	706	<1	<0.01	30	1690	20	<5	<20	6	0.14	<10	75	<10	4	106
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Standard:

GEO'96		145	1.4	1.68	70	145	<5	1.73	<1	18	59	74	4.02	<10	1.04	674	2	0.01	23	680	18	5	<20	60	0.12	<10	75	<10	10	72
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df/1265  
XLS/96KMISC#11

  
ECO-TECH LABORATORIES LTD.  
Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer

**STATEMENT OF COSTS  
AINSWORTH PROJECT**

**WAGES:**

B. Bourdon, prospecting/sampling, 20 days @ \$200/day .....	\$4000.00
L. Addie, prospecting/sampling, 26 days @ \$200/day .....	\$5200.00

**TRANSPORTATION:**

4 X 4 including fuel, 44days @ \$75/day .....	\$3300.00
4TRAX including fuel 3 days @ \$40/day .....	\$ 120.00

**FIELD EQUIPMENT:**

Flagging tape, sample bags, hip chain thread etc. ....	\$ 100.00
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**LAB ANALYSIS:**

Soils/Silts, 56@ \$14.12 .....	\$ 790.72
Rocks, 29@ \$17.12 .....	\$ 496.48
Soils, 131@\$13.79 .....	\$1806.49
Rocks 32@\$19.80 .....	\$ 633.60
Shipping, Greyhound Nelson to Vancouver .....	\$ 129.71

**REPORT:**

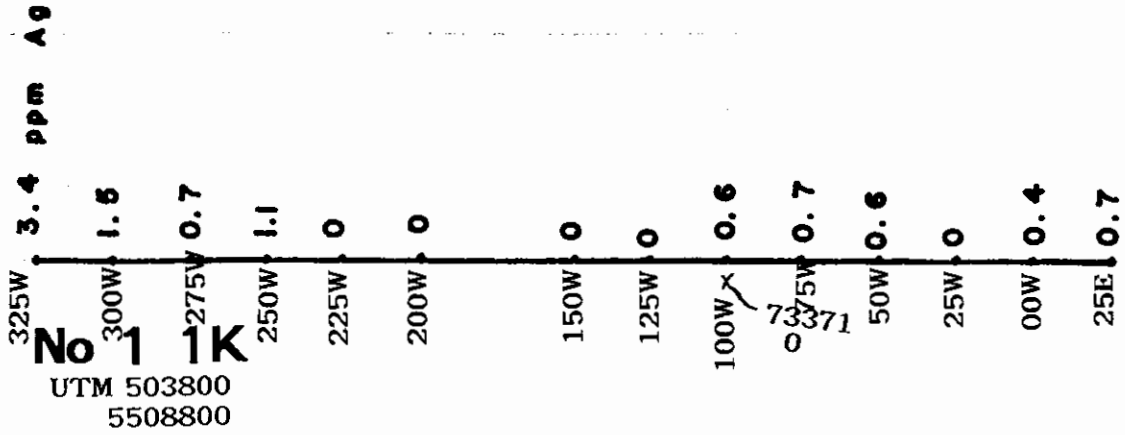
Report preparation .....	\$ 150.00
Drafting, map reproduction .....	\$ 100.00
Secretarial .....	\$ 40.00

December 1996

**TOTAL      \$16867.00**




X- 73358  
0.3



REC 346195 NO.1 ID POST 1W  
SKYLINE

MINERALOGICAL SURVEY BRANCH  
ASSESSMENT REPORT

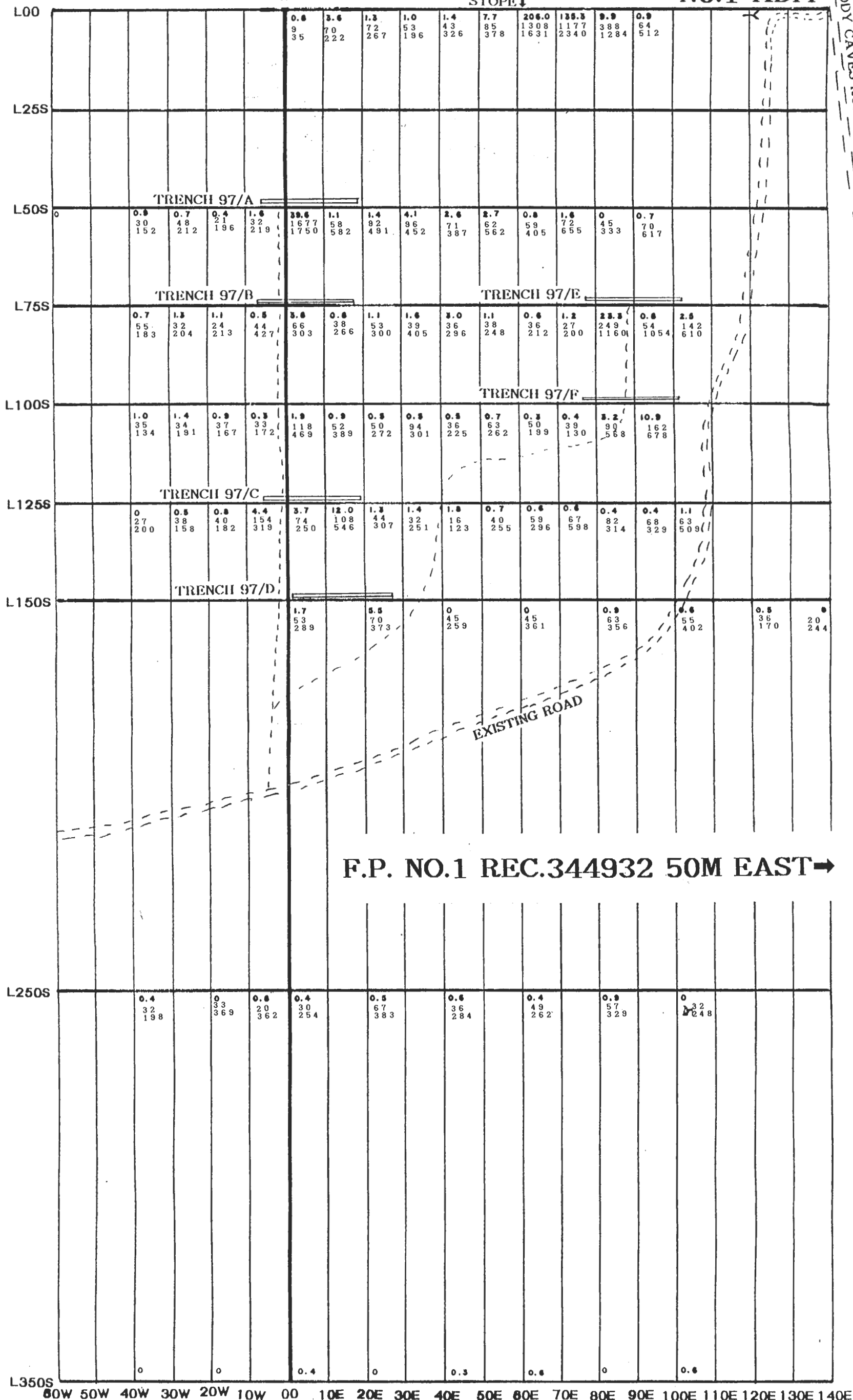
25,055

SAMPLE LOCATION MAP D  
SILVER PPM  
82F/10W  
SOIL LINE   
0 50M  
1:1000  
ROCK SAMPLE 73358 X



CODY CAVES ROAD

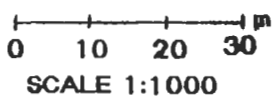
STOPE ↓



F.P. NO.1 REC.344932 50M EAST →

EXISTING ROAD

SOIL SAMPLE LOCATION MAP

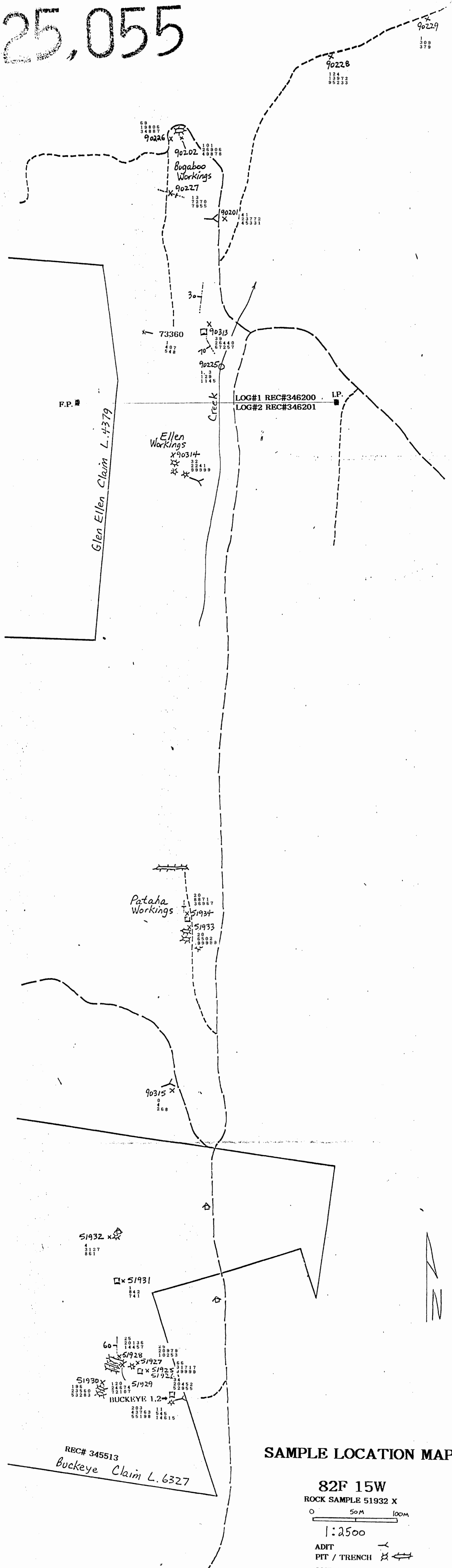


TRENCH PROPOSAL.  
SILVER PPM 39.6  
LEAD PPM 1677  
ZINC PPM 1750  
ADIT ←

BUCKEYE ZONE

GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT

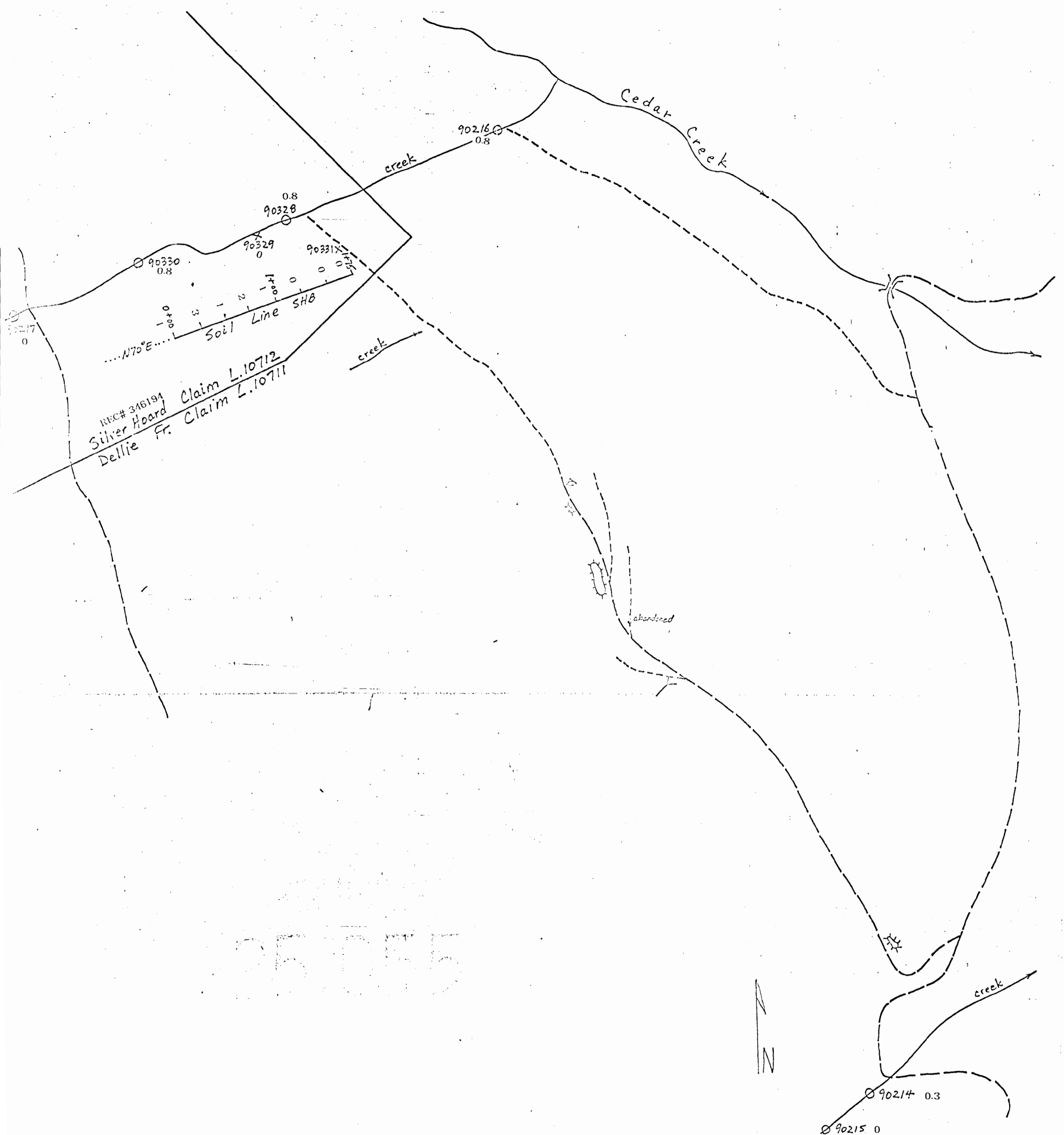
25,055



SAMPLE LOCATION MAPE

82F 15W  
ROCK SAMPLE 51932 X  
0 50M 100M  
1:2500  
ADIT —>  
PIT / TRENCH —>←  
ROCK SAMPLE X PPM SILVER  
PPM LEAD  
PPM ZINC

REC# 345513  
Buckeye Claim L. 6327



25055

82F 15W  
SAMPLE LOCATION MAP A  
SILVER PPM 3 0 50M 100M SOIL LINE  
1:2500  
ROCK SAMPLE 90329 X SILT SAMPLE 0  
**SILVER HOARD EAST**

# SILVER HOARD WEST



82° 15' W  
82° 10' W

SILVER HOARD  
ID POST 3W

NO. 1  
REC# 318104

**SAMPLE LOCATION MAP B**  
**LEGEND**

CURRIE ZONE	
ADIT	—
SHAFT	+
PIT/TRENCH	*
STRIKE/DIP	—/—
SILT SAMPLE	○ 90219
ROCK SAMPLE	× 51934
SOIL LINE/SAMPLE	—
CREEK	~
ROAD	—
TRAIL	- - -

SILVER PPM 9.8

SCALE: 1:2500

117° 00' 00"  
49° 48' 00"

5516000



Woodbury Point

L A K E

K O O T E N A Y

055

82F076

ROCK SAMPLE LOCATION MAP

117° 00' 00"  
49° 48' 00"

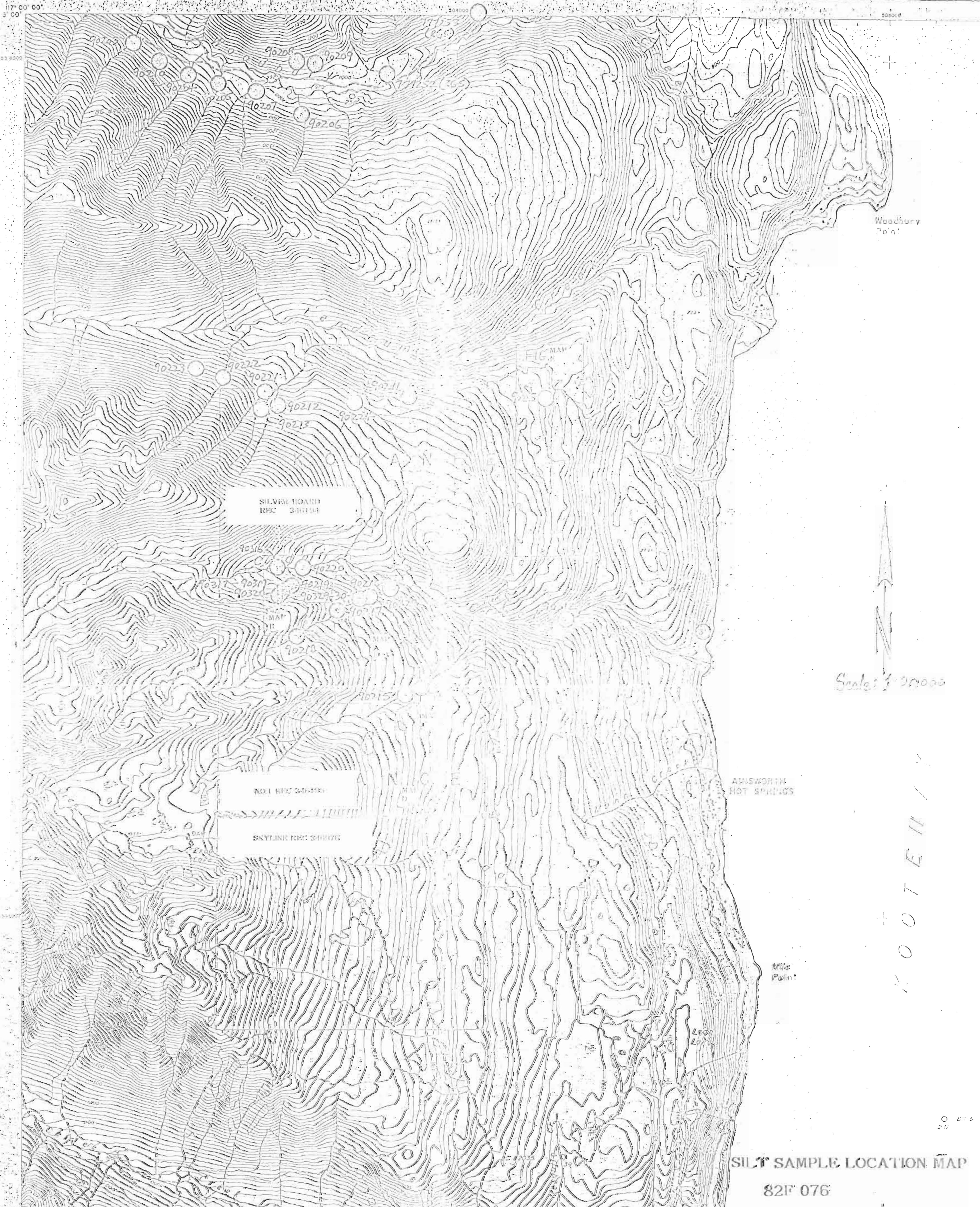
PROVINCE OF BRITISH COLUMBIA  
Ministry of Environment and Parks  
Surveys and Resource Mapping Branch

Universal Transverse Mercator Projection  
North American Datum - NAD83  
UTM Zone 11

Land District  
Land Title Dist.  
Lot/Block Plan No.  
Date:



# AINSWORTH PROJECT AREA



Scale: 1:20,000

AINSWORTH  
HOT SPRINGS

KOOTENAI

Mile  
Point

SILT SAMPLE LOCATION MAP

82° 07'