BRITISH COLUMBIA

PROSPECTORS ASSISTANCE PROGRAM

MINISTRY OF ENERGY AND MINES

GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:	1998/99
REPORT #:	PAP 98-26
NAME:	RICHARD STRONG

British Columbia
Prospectors Assistance Program

Report on the Mineral Exploration Work Conducted on the DS Claim Group, Jordan River, BC in 1998

January 28, 1999

Report Prepared By:
Geoff Krause
Explorations Unlimited Inc
1856 Crescent Road
Victoria, BC V8S 2G8

on Behalf of:
Rick Strong
137 Government Street
Victoria, B.C. V8V 2K6

BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)

B. TECHNICAL REPORT

- One technical report to be completed for each project area.
- **Refer to Program Requirements/Regulations 15 to 17, page 6.**
- If work was performed on claims a copy of the applicable assessment report may be submitted in lieu of the supporting data (see section 16) required with this TECHNICAL REPORT.

Name Richard Strong. Reference Number 98/99 P56

LOCATION/COMMODITIES

Project Area (as listed in Part A) JORDAN RIDGE MINFILE No. if applicable

Location of Project Area NTS 92/C8 (3rd Ed) Lat 48°28' Long 124°00'70"

Description of Location and Access Logging road(s) off Port Renfrew Hiway

Main Commodities Searched For Gold, Copper, Silver etc.

Known Mineral Occurrences in Project Area Sunro Mine - massive sulphides (see attached)

WORK PERFORMED

1. Conventional Prospecting (area) 5 sq. km
2. Geological Mapping (hectares/scale)
3. Geochemical (type and no. of samples)
4. Geophysical (type and line km)
5. Physical Work (type and amount) Line cutting - 1.5 days;
6. Drilling (no. holes, size, depth in m, total m)
7. Other (specify)

SIGNIFICANT RESULTS

Commodities Cu/Au/Ag Claim Name DS #10

Location (show on map) Lat 4828.4 N Long 124 09.0 Elevation 530 m

Best assay/sample type Sample #25 : Cu > 8-22%; Au 8160 ppb Ag 12ppm

Description of mineralization, host rocks, anomalies see attached. Main area of mineralization located thus far is associated with road work in area which has exposed new rock. Pits used to provide road building fill are particularly productive.

Supporting data must be submitted with this TECHNICAL REPORT

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act.*

Report on the Mineral Exploration Work Conducted on the DS Claim Group, Jordan River, BC

Introduction

Mr Richard Strong applied for and received financial assistance from the BC Ministry of Energy and Mines for mineral exploration to be conducted on the DS claim group and surrounding area of Jordan Ridge in 1998. The Jordan River prospect came to Mr Strong's attention through a colleague, Mr Jim Dyke, who noted the presence of some intriguing mineralization while cutting shake blocks in the area and knew of Mr Strong's experience and interest in mining. Mr Strong and Mr Dyke started prospecting this property more intensively in April, 1997. The proponents collected several dozen grab samples from float in the area and had them assayed by Chemex Labs Ltd. The results of a number of these analyses were quite significant, most particularly for copper, and the property was staked by the proponents and the claims registered in September 1997. The grab sampling - prospecting program continued through the summer and fall until deteriorating weather conditions prevented access to the property. This work commenced again in the spring of 1998.

Preliminary Summary

The area is characterized as steep and heavily-treed terrain, typical of the mountainous West Coast along Vancouver Island, and the acquisition of mineral samples has thus far been restricted to the rock faces exposed by road construction and pit excavations. Access throughout the property is provided through a network of logging roads. A number of cut blocks have exposed outcrops in the area but these are primarily comprised of dark, thoelithic rocks containing basaltic lavas, pillow lavas, breccia and tuffs and few signs of in-situ mineralization have thus far been located.

There is, however, an abundance of mineralized float boulders along roads in the east-central part of the block in Claim DS# 10. This float is thought to originate in one or two pits that were excavated to provide fill for the road building in the area. More extensive sampling is going to require the re-excavation of the pits as they have been largely backfilled as part of the environmental rehabilitation efforts required of logging operations. A successful conclusion of that phase will be followed by a drilling program once the preliminary mineralization indications are verified and the source(s) isolated.

1998 Prospecting Program

The 1998 prospecting program formally got underway in June as Mr Strong (Rick) and Mr Dyke (Jim) spent a week reconnoitering the Loss Creek Valley looking for signs that might indicate some continuity of structure from the DS property. Only 3 samples were obtained, as marked on Figure 1, and the road terminated at site #3. The road has been deactivated and forays beyond this point were on foot. The valley is very steep and overgrown so evidence of outcrops is difficult to

access and no samples worthy of lugging out were located. Some quartz veining was noted in the float samples inspected but none of the samples obtained or observed in the valley provided anomalous assay values. The main DS claim block was the focus for the rest of the season except for a further road inspection tour in Loss Creek undertaken in mid-September. Mr Strong was assisted at various times by Mr Greg Thomson, a geologist with Teck Exploration Ltd, and Mr Joel Black, an Exploration Technician with many years of domestic and international experience in the field. Mr Thomson's report is appended to the end of this document.

At any rate, reconnaissance in the NW portion of the DS claim block commenced with a quick foray to the area on June 15. A number of pits on the upper part of the Rosemond Creek Valley were located and subsequently sampled (#4, 6, 7, 8, 9, 10 S and 10 N), again as laid out in Fig 1. Much of the rock in the area had a marble-like appearance but the sample obtained on the first day had some quartz veining and produced a copper value of 2430 ppm. The proponents returned over July 7-11 and sampled the exposed faces in the pits (3) and roads. The rocks were primarily volcanic and produced little in the way of anomalies. Some copper values in the range of 400-500 ppm were obtained and some green staining (malachite?) was observed around site 10 N.

Claim numbers DS 9, 10 and 12 produced the most interesting copper and gold values. Float boulders found along the roads in this area were sometimes significantly mineralized and provided assay values as listed in Table 1. These boulders are thought to originate from pits used to provide fill for road-building in the area but the source has not yet been positively identified because they were backfilled once the logging was complete. A number of these pits were located and sampled. A number of other attractive pieces of float from this general area were also taken in for assay but the results were, while sometimes moderately high, not exceptional.

Table 1: Significant sample results obtained from float boulders in 1998

Sample #	Date	Au (ppb)	Cu (ppm)	Fe (%)	Ag (ppm)
14	July 23/98	1,260	24,700	>15	4
17	July 24/98	4,020	13,200	7.19	3.4
23	Nov 10/98	650	229,000	>15	20.4
24	Nov 10/98	1,185	20.500	12.8	2.8
25	Nov 10/98	8,160	88,300	>15	12.0

The SE corner of the property (DS 17, and 18) and the South-central boundary of claim block (DS 6, 11, 12, 17) were examined in September-October and November respectively as the roads in the area were walked and prospected. There are a number of old, overgrown roads and skidder trails which traverse the area which must be at least roughly surveyed to provide some access to these parts of the property. Some line-cutting, particularly around DS 17, and traverses through the bush were also undertaken over this period in these areas. No notable mineralization was observed because of the heavy bush and many of the exposed outcrops apparently consisted of lava.

Summary of Conclusions

This area has been of some interest to the mining community since about 1910. The Sunro copper mine was operating in the area from 1962 to 1974 (Minfile Reference # 092C 073). The ore zones targeted by the Sunro Mine contained up to about 1.5% copper and were mainly in Metchosin basalts near contacts with gabbroic intrusions while minor zones also occurred in the gabbro. Other reports on the area include a gold/copper showing (0.4 and 0.34% respectively) from the John 1 claim (Minfile ref # 092C 138; Assessment report 12612) and a chalcopyrite showing from the Wolf claim (Minfile ref# 092C 094).

The area is underlain by Eocene Metchosin Volcanic basalts which are themselves attracting interest from biological and geological authorities because of the hydrothermal vent communities and the realization of potential economic import of hydrothermal sulphide deposits by each of the disciplines respectively. At any rate, gabbroic and diabase intrusions related to the coeval Sooke Gabbro occur nearby. The basalt and gabbroic rocks are sheared, brecciated and altered. Granitic intrusions have formed large breccia zones with horneblendite and pegmatites intruding and filling the older brecciated rock (Minfile ref # 092C 069).

A geological Map of the area (Figure 2) has been provided showing the nearby Minfile report names and the surficial geology recorded for the area.

The mineralization observed in float boulders in the area is mainly quartz vein material which contains significant concentrations of chalcopyrite and lessor pyrrhotite. The mineralization often occurs as web-like lattices and occasionally reaches massive proportions, almost totally displacing any quartz.

There were also some samples taken in the NW corner of the property with somewhat anomalous copper, gold and possibly silver values. There are a number of pits excavated for road-building in this area as well which may provide a source for these rocks. It is interesting to note that the pits on the opposing ends of the property are approximately 1.7 km apart which may suggest a substantial bed of material is present in the area. In addition, the volcanic nature of the surrounding bedrock may also suggest a hydrothermal origin for any sulphide deposits in the area. Further work to define and characterize the in-situ nature of the sources is required before any conclusions can be advanced.

The float boulders are thought to originate in one or two pits that were excavated to provide fill for the road building in the area. More extensive sampling is going to require the re-excavation of the pits as they have been largely backfilled as part of the environmental rehabilitation efforts required of logging operations. A successful conclusion of that phase will be followed by a drilling program once the preliminary mineralization indications are verified and the source(s) isolated.

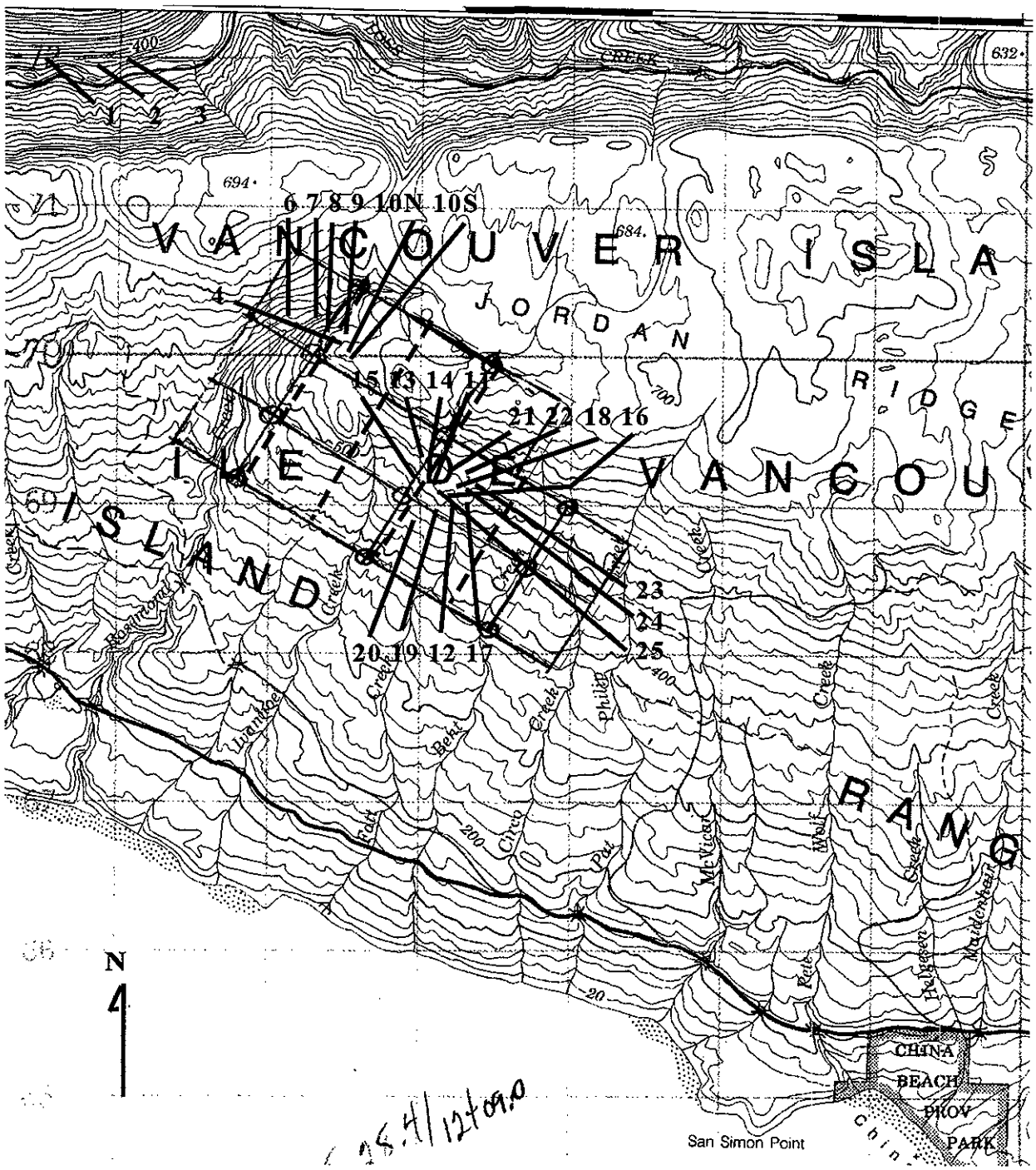
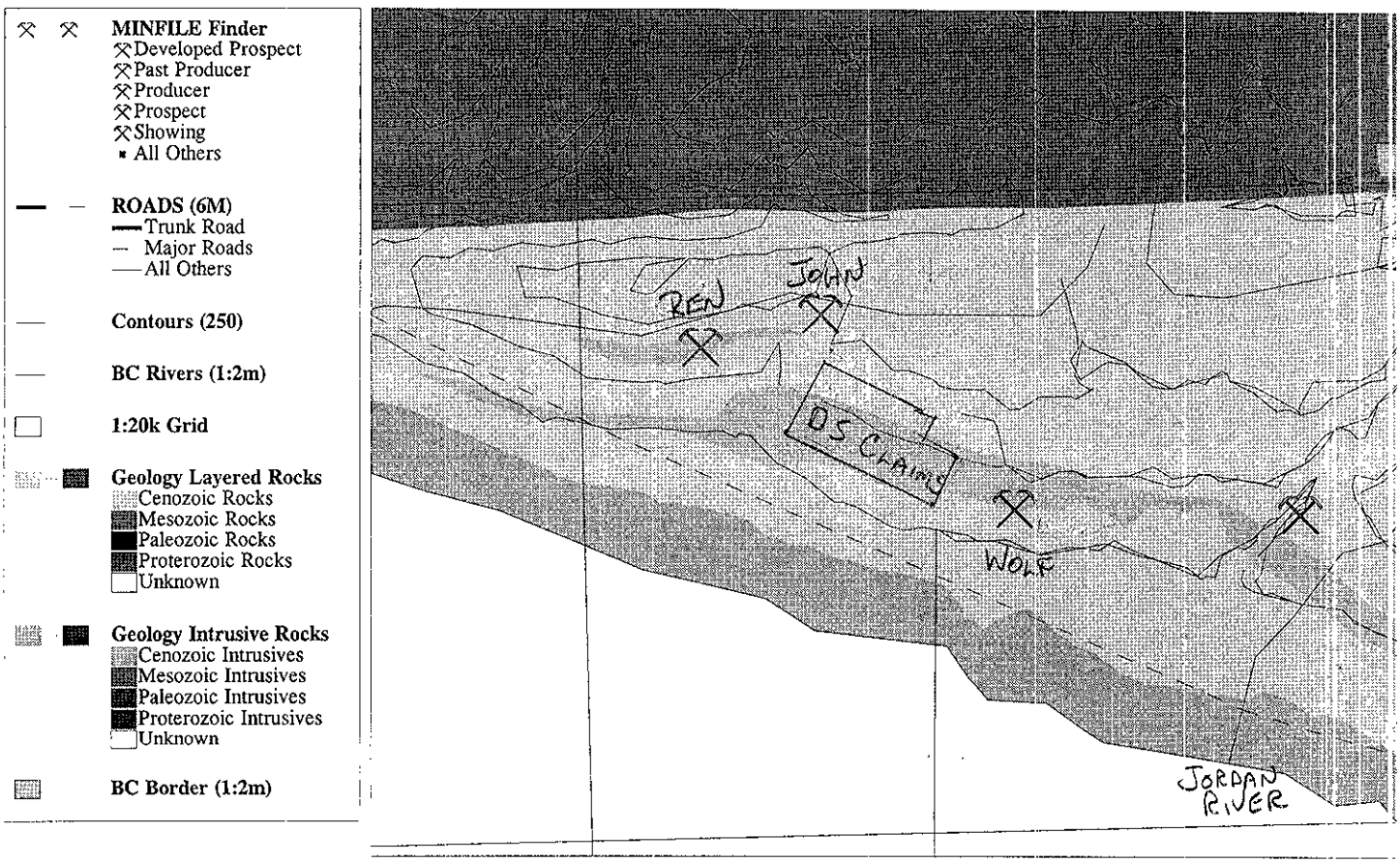


Figure 1: Map showing location of DS claim block and sample locations (1-4; 6-9; 10N; 10S; 11-25) as listed on the attached assay forms. Map is reproduction of the 1:50,000 River Jordan sheet (92/C8 - 3rd Edition) but may not be to expected scale. True North indicated in lower left corner. Claim numbers (from the top left corner of the block) are Row 1: DS1, DS2, DS7, DS8; Row 2: DS3, DS4, DS9, DS10, DS15, DS16; Row 3: DS5, DS6, DS11, DS12, DS17, DS18.

B.C. Ministry of Energy and Mines



SCALE 1 : 127,029

2 0 2 4 6

MILES

N

http://webmap.ei.gov.bc.ca/minpot/map/dep_find.mwf

Wednesday, January 27, 1999 2:28 PM

TECK EXPLORATION LTD.

INTERNAL MEMORANDUM

DATE: Nov. 13, 1998

TO: Richard Strong

FROM: Greg Thomson
Senior Project Geologist

SUBJECT: Vancouver Island (Jordan River) property exam – Sept. 29/98

On September 29, I examined portions of the 16 unit DS claim group, located on the SW side of Vancouver Island, near the small community of Jordan River. Richard Strong and partner Jim Dyck, who was also present during the property visit, hold the claims.

Good access throughout the claim area is provided through a network of logging roads, branching from the main coastal highway. General bush exposure is not very good, with the majority of outcrops located along road cuts and within clear- cut blocks.

The property appears to be mainly underlain by dark thoelitic basaltic rocks belonging to the Eocene age Metchosin Formation, containing basaltic lavas, pillow lavas, breccia and tuffs. An area on the NE portion of the claim group, contained more felsic, medium grained crystalline rocks dissecting the basaltic lavas and are probably contemporaneous with the lavas.

I saw little evidence to suggest in-situ mineralization, however there is an abundance of roadside mineralized float boulders within a restricted area. These boulders can be found with variable concentration for several hundred metres and may be originating from one or two pits that may have been excavated to provide material for road building.

The mineralization is mainly quartz vein material, which consistently contains considerable concentrations of chalcopyrite and lesser pyrrhotite. The nineralization often occurs as web-like lattices, occasionally reaching massive proportions, almost totally displacing any quartz.

Several samples of road float were taken for assay with results to be supplied to claim owners.

It will be difficult for Teck Corporation to become involved with a prospect that does not at least contain an area of mineralized outcrop. It was suggested to the owners that they contact the logging contractor to get information regarding the origin of the mineralized road float.

If the location for the source of the mineralization can be verified, the owners could try to re-open the excavation pits to verify the presence of the mineralization.

Five samples of road float were collected for assay analysis. As shown by the assay results, the primary values are in copper with lesser-associated values in gold and silver.

Sample No.	**Description**
45290	dark green schistose basalt with 20-30% white gash-fill calcite veinlets, also trace to localized blebs of calcite, trc to 2% chalcopyrite>pyrrhotite
45291	white glassy quartz with 5-10% webby aggregates of chalcopyrite
45292	dark, fine grain, chloritic basalt with slaty cleavage, about 50% mixed chalcopyrite and pyrrhotite as coarse to massive clots
45293	schistose dark green basalt with mainly semimassive to massive chalcopyrite, pyrrhotite, approx. 5% quartz inclusion or vein remnants
45294	white, milky quartz with strong webby clots of fine grain chalcopyrite, some dark sooty weathered sulphides, quartz is partially vuggy from weathered out sulphides

The Sunro Mine is located along Jordan River, approximately 10 km east of the DS claim group within a similar geologic setting. At the Sunro Mine sills of lower Oligocene Sooke gabbro intrude the basaltic flows. Mineralization is associated with weak but persistent shear zones. Three zones along the NE contact of the gabbro have produced the majority of copper ore. Mineralization is chalcopyrite, pyrrhotite and pyrite, in decreasing order. This deposit has been the only mineable metalliferous deposit found in Tertiary rocks in B.C.

Reserves for the nearby Sunro Mine only totaled 1,030,465 tonnes proven at 1.47% Cu and probable reserves at 423,782 tonnes grading 1.33% Cu. The Sunro property has been known since about 1915, with the majority of production between 1962 to 1974. Minor concentrations of gold, silver and molybdenum are also present.

Costs of property exam:

1. Field exam (G.Thomson)	1 day	$ 300.00
2. Transportation		$ 150.00
3. Meals		$ 40.00
4. Assays (5)		$ 125.00
	Total	**$ 595.00**

ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

To : TECK EXPLORATIONS LTD.
350 272 VICTORIA STREET
KAMLOOPS, B.C.

Project: # 41
Type of Analysis: Assay

Certificate: 98175
Invoice: 50934
Date Entered: 98-10-28
File Name: TEK98175
Page No.: 1

PRE FIX	SAMPLE NAME	g/t Au	g/t Ag	% Cu
A1	45291	1.00		3.85
A1	45292			3.28
A1	45293	2.50	17.1	7.95
A1	45294			6.88

CERTIFIED BY : Monsbar

ROSSBACHER LABORATORY LTD.

CERTIFICATE OF ANALYSIS

2225 Springer Ave., Burnaby,
British Columbia, Can. V5B 3N1
Ph:(604)299-6910 Fax:299-6252

To : TECK EXPLORATIONS LTD.
350 272 VICTORIA STREET
KAMLOOPS, B.C.

Project: # 41
Type of Analysis: ICP

Certificate: 98175 ICP
Invoice: 50934
Date Entered: 98-11-06
File Name: TEK98175.ICP
Page No.: 1

PRE FIX	SAMPLE NAME	PPB Au AA	PPM Ag	% Al	PPM As	PPM Ba	PPM Be	PPM Bi	% Ca	PPM Cd	PPM Co	PPM Cr	PPM Cu	% Fe	% K	PPM La	% Mg	PPM Mn	PPM Mo	% Na	PPM Ni	PPM P	PPM Pb	PPM Sb	PPM Se	% Sr	PPM Sr	% Ti	PPM V	PPM W	PPM Zn
A1	45290	20	0.8	2.09	14	2	.5	3	7.64	1.0	40	111	1750	4.03	.01	3	1.71	1230	5	.02	32	250	10	2	<5	.03	30	.04	107	2	25
A1	45291	2200	7.5	0.64	2	4	.3	3	.09	.7	84	105>10000	5.23	.01	1	.48	143	5	.01	72	109	2	2	<5	.02	4	.01	34	2	73
A1	45292	850	5.2	1.36	8	2	.4	3	.16	1.7	414	70>10000	18.42	.01	7	.74	275	4	.01	730	1847	2	2	<5	.02	2	.03	129	2	143
A1	45293	2600	12.0	1.31	2	2	.4	3	.07	<.5	505	30>10000	17.76	.01	5	1.00	304	6	.01	499	92	2	2	<5	.04	1	.01	70	2	194
A1	45294	880	9.2	0.12	2	2	.3	3	.02	<.5	498	84>10000	13.96	.01	1	.09	122	4	.01	486	261	2	2	<5	.02	2	.01	7	2	92

CERTIFIED BY :

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: ELMA K. ENTERPRISE LTD.

137 GOVERNMENT ST.
VICTORIA, BC
V8V 2K6

Project :
Comments: ATTN:RICHARD M. STRONG

Page Number :1-B
Total Pages :1
Certificate Date: 23-JUN-98
Invoice No. :I9822081
P.O. Number :
Account :PJQ

CERTIFICATE OF ANALYSIS A9822081

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
#1	205 226	1	0.05	44	660	< 2	< 2	12	9	0.18	< 10	< 10	126	< 10	16
#2	205 226	< 1	0.01	6	60	298	8	1	3	0.04	< 10	< 10	21	< 10	12
#3	205 226	1	0.05	13	560	2	< 2	6	14	0.12	< 10	< 10	82	< 10	30
#4	205 226	< 1	0.08	23	860	< 2	< 2	6	19	0.18	< 10	< 10	38	< 10	48

CERTIFICATION:

Chemex Labs Ltd.

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V8V 2K6

Project :
Comments: ATTN:RICHARD M. STRONG

Page Number : 1-A
Total Pages : 1
Certificate Date: 23-JUN-98
Invoice No. : I9822081
P.O. Number :
Account : PJQ

CERTIFICATE OF ANALYSIS A9822081

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
#1	205	226	< 5	< 0.2	2.88	< 2	440	< 0.5	< 2	0.20	< 0.5	15	162	50	3.92	< 10	< 1	1.44	< 10	1.64	285
#2	205	226	< 5	< 0.2	0.47	< 2	100	< 0.5	< 2	0.03	< 0.5	2	188	7	0.91	< 10	< 1	0.24	< 10	0.23	75
#3	205	226	< 5	< 0.2	2.08	< 2	210	< 0.5	< 2	0.20	< 0.5	7	182	16	3.02	< 10	< 1	0.95	< 10	0.92	180
#4	205	226	15	1.0	1.85	< 2	< 10	< 0.5	< 2	0.95	< 0.5	48	69	2430	4.07	< 10	< 1	0.02	10	0.74	490

CERTIFICATION: Ian Bidle

Chemex Labs Ltd.

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Project :
Comments: ATTN:RICHARD M.STRONG

Page Number :1-A
Total Pages :1
Certificate Date: 18-JUL-98
Invoice No. :I9824251
P.O. Number :
Account :PJQ

CERTIFICATE OF ANALYSIS A9824251

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6	205	226	10	< 0.2	3.68	< 2	60	< 0.5	2	1.38	< 0.5	30	70	106	5.40	< 10	< 1	0.12	< 10	1.83	620
7	205	226	< 5	< 0.2	2.73	< 2	< 10	< 0.5	< 2	4.47	< 0.5	33	121	95	7.02	< 10	< 1	0.05	< 10	1.95	990
8	205	226	< 5	0.2	3.61	< 2	< 10	< 0.5	< 2	1.70	< 0.5	32	46	439	4.83	< 10	< 1	0.02	< 10	2.01	535
9	205	226	< 5	0.2	2.99	< 2	< 10	< 0.5	< 2	2.38	< 0.5	33	48	239	6.34	10	< 1	0.01	< 10	1.71	830
10N	205	226	< 5	< 0.2	2.87	< 2	< 10	< 0.5	< 2	1.64	< 0.5	16	62	433	3.78	< 10	< 1	0.01	10	1.11	550
10S	205	226	10	0.2	2.33	< 2	< 10	< 0.5	< 2	1.06	< 0.5	14	50	574	3.79	< 10	< 1	0.03	10	0.95	580

CERTIFICATION: Stuart Bidlake

Chemex Labs Ltd.

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Comments: ATTN:RICHARD M.STRONG

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Total Pages :1
Certificate Date: 18-JUL-98
Invoice No. :I9824251
P.O. Number :
Account :PJQ

CERTIFICATE OF ANALYSIS A9824251

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
6	205	226	< 1	0.14	49	480	< 2	< 2	7	30	0.37	< 10	< 10	123	< 10	68
7	205	226	< 1	0.05	59	370	< 2	< 2	12	26	0.38	< 10	< 10	142	< 10	72
8	205	226	< 1	0.08	45	330	< 2	< 2	5	40	0.32	< 10	< 10	183	< 10	72
9	205	226	< 1	< 0.01	38	680	< 2	< 2	8	31	0.71	< 10	< 10	146	< 10	130
10N	205	226	< 1	0.05	16	820	< 2	< 2	4	47	0.20	< 10	< 10	41	< 10	68
10S	205	226	< 1	0.04	11	810	< 2	< 2	5	27	0.20	< 10	< 10	31	< 10	70

CERTIFICATION: Hank Ziolkowski

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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Project :
Comments: ATTN: RICHARD STRONG

Page Number :1-A
Total Pages :1
Certificate Date: 02-AUG-98
Invoice No. :I9825826
P.O. Number :
Account :PJQ

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9825826

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11	205	226	< 5	< 0.2	4.14	< 2	20	< 0.5	< 2	2.02	< 0.5	19	85	180	4.06	10	< 1	0.04	< 10	1.10	275
12	205	226	< 5	< 0.2	1.09	< 2	< 10	< 0.5	< 2	0.80	< 0.5	14	68	440	4.81	< 10	3	0.03	< 10	0.66	375
13	205	226	< 5	< 0.2	1.05	4	< 10	< 0.5	< 2	0.80	< 0.5	11	49	91	4.65	< 10	2	0.02	< 10	0.49	210
14	205	226	1260	4.0	2.95	8	< 10	< 0.5	Intf*	0.14	< 0.5	460	126	>10000	>15.00	< 10	< 1	< 0.01	< 10	1.84	385
15	205	226	< 5	< 0.2	7.35	2	< 10	< 0.5	< 2	4.25	< 0.5	15	89	102	1.85	< 10	< 1	0.03	< 10	1.21	215
16	205	226	10	0.2	0.93	10	10	< 0.5	< 2	1.22	< 0.5	19	45	309	3.79	< 10	< 1	0.05	< 10	0.67	630
17	205	226	4020	3.4	2.45	8	< 10	< 0.5	Intf*	0.11	< 0.5	97	197	>10000	7.19	< 10	< 1	< 0.01	< 10	1.61	325
18	205	226	< 5	0.6	1.10	< 2	< 10	< 0.5	< 2	0.71	< 0.5	19	39	579	5.09	< 10	< 1	0.02	< 10	0.59	320

CERTIFICATION:

* INTERFERENCES: Cu ON Bi AND P

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: ELMA K. ENTERPRISE LTD.

137 GOVERNMENT ST.
VICTORIA, BC
V8V 2K6

Project :
Comments: ATTN: RICHARD STRONG

Page Number :1-B
Total Pages :1
Certificate Date: 02-AUG-98
Invoice No. :I9825826
P.O. Number :
Account :PJQ

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9825826

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
11	205 226	< 1	0.41	42	250	6	2	5	60	0.07	< 10	< 10	223	< 10	72
12	205 226	< 1	0.08	12	490	2	< 2	7	9	0.16	< 10	< 10	182	< 10	72
13	205 226	< 1	0.07	10	510	6	< 2	4	12	0.14	< 10	< 10	161	< 10	38
14	205 226	8	< 0.01	493	Intf*	2	< 2	7	1	0.04	< 10	< 10	92	< 10	62
15	205 226	< 1	0.58	50	10	10	< 2	3	91	0.04	< 10	< 10	64	< 10	34
16	205 226	< 1	0.09	19	580	4	< 2	8	5	0.17	< 10	< 10	138	< 10	46
17	205 226	8	0.01	63	Intf*	6	< 2	10	4	0.03	< 10	< 10	116	< 10	32
18	205 226	< 1	0.07	17	440	< 2	< 2	5	7	0.17	< 10	< 10	161	< 10	54

CERTIFICATION: _____

* INTERFERENCES: Cu ON Bi AND P

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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VICTORIA, BC
V8V 2K6

Project :
Comments: ATTN: RICHARD STRONG

Page Number :1
Total Pages :1
Certificate Date: 04-AUG-98
Invoice No. :I9826614
P.O. Number :
Account :PJQ

CERTIFICATE OF ANALYSIS A9826614

SAMPLE	PREP CODE	Cu %
14	244 --	2.47
17	244 --	1.32

CERTIFICATION: Saul Tetrault

OVERLIMITS from A9825826

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VICTORIA, BC
V8V 2K6

Project :
Comments: ATTN: RICHARD STRONG

Page Number : 1-A
Total Pages : 1
Certificate Date: 28-SEP
Invoice No. : I9831751
P.O. Number :
Account : PJQ

CERTIFICATE OF ANALYSIS A9831751

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
#19	205	226	10	< 0.2	1.33	6	10	< 0.5	< 2	1.17	< 0.5	34	62	187	3.99	< 10	< 1	0.04	< 10	0.74	335
#20	205	226	5	< 0.2	1.61	4	10	< 0.5	< 2	1.57	< 0.5	19	60	301	3.48	< 10	< 1	0.06	< 10	0.89	350
#21	205	226	5	< 0.2	1.14	2	< 10	< 0.5	< 2	1.67	< 0.5	13	28	187	3.08	< 10	< 1	0.03	< 10	0.78	410
#22	205	226	20	0.4	1.77	2	10	< 0.5	< 2	1.92	< 0.5	107	39	641	4.84	< 10	< 1	0.06	< 10	1.04	705
RJ-#1	205	226	< 5	< 0.2	3.69	10	50	< 0.5	< 2	1.75	< 0.5	23	16	39	5.25	< 10	< 1	0.17	10	2.22	825

CERTIFICATION: Ian Fuller

Chemex Labs Ltd.

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137 GOVERNMENT ST.
VICTORIA, BC
V8V 2K6

Project :
Comments: ATTN: RICHARD STRONG

Page Number :1-B
Total Pages :1
Certificate Date: 28-SEP-1998
Invoice No. :I9831751
P.O. Number :
Account :PJQ

CERTIFICATE OF ANALYSIS A9831751

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
#19	205 226	< 1	0.11	29	1030	< 2	< 2	6	8	0.14	< 10	< 10	118	< 10	38
#20	205 226	< 1	0.15	22	480	< 2	< 2	10	13	0.21	< 10	< 10	131	< 10	40
#21	205 226	< 1	0.09	12	460	< 2	< 2	8	14	0.25	< 10	< 10	117	< 10	48
#22	205 226	< 1	0.15	110	660	< 2	< 2	9	18	0.34	< 10	< 10	137	< 10	52
RJ-#1	205 226	2	0.03	5	820	392	14	12	33	< 0.01	< 10	< 10	121	< 10	34

CERTIFICATION: Antoine Fiddler

Chemex Labs Ltd.

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VICTORIA, BC
V8V 2K6

Project :
Comments: ATTN: RICK STRONG

Page Number :1-A
Total Pages :1
Certificate Date: 26-NOV-199
Invoice No. :19836374
P.O. Number :
Account :PJQ

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9836374

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
#23	205	226	650	20.4	< 0.01	< 2	< 10	< 0.5	Intf*	< 0.01	3.0	686	11	>10000	>15.00	< 10	3	< 0.01	< 10	< 0.01	35
#24	205	226	1185	2.8	1.79	10	< 10	< 0.5	Intf*	0.05	< 0.5	1030	175	>10000	12.80	< 10	< 1	< 0.01	< 10	1.28	190
#25	205	226	8160	12.0	0.20	6	< 10	< 0.5	Intf*	< 0.01	0.5	2380	109	>10000	>15.00	< 10	< 1	< 0.01	< 10	0.14	25

CERTIFICATION: [signature]

* Cu INTERFERENCE ON Bi AND P.

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VICTORIA, BC
V8V 2K6

Project :
Comments: ATTN: RICK STRONG

Page Number : 1-B
Total Pages : 1
Certificate Date: 26-NOV-99
Invoice No. : I9836374
P.O. Number :
Account : PJQ

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9836374

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
#23	205	226	< 1	< 0.01	720	Intf*	< 2	24	< 1	< 1	< 0.01	< 10	30	< 1	80	522
#24	205	226	31	< 0.01	402	Intf*	< 2	4	6	1	0.01	< 10	10	72	10	54
#25	205	226	1	< 0.01	304	Intf*	< 2	2	< 1	< 1	< 0.01	< 10	30	7	30	78

CERTIFICATION:

* Cu INTERFERENCE ON Bi AND P.

Chemex Labs Ltd.

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To: ELMA K. ENTERPRISE LTD.

137 GOVERNMENT ST.
VICTORIA, BC
V8V 2K6

Project :
Comments: ATTN: RICK STRONG

Page Number :1
Total Pages :1
Certificate Date: 27-NOV-199
Invoice No. :I9837102
P.O. Number :
Account :PJQ

CERTIFICATE OF ANALYSIS A9837102

SAMPLE	PREP CODE	Cu %
#23	212 --	22.9
#24	212 --	2.05
#25	212 --	8.83

CERTIFICATION:

OVERLIMITS from A9836374