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**ASSESSMENT REPORT ON  
GEOLOGIC MAPPING,  
ROCK AND STREAM SEDIMENT SAMPLING ON  
THE RED 011 CLAIM**

**Omineca Mining Division, British Columbia  
Latitude 126°19' W Longitude 56°44' N**

**NTS 094D09W**

**Prepared for**

**Brett Resources Inc.  
Suite 900, 475 Howe Street  
Vancouver, BC, V6C 2B3  
(Operator)**

**and**

**David L. Cooke  
16331 - 59 Avenue  
Surrey, BC, V3S 1J9  
(Owner)**

**Prepared by**

**Joe R. Piekenbrock, MSc.  
Carl W. Hering, PhD**

**GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT**

**May 13, 2002**

**26,851**

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## **1.0 INTRODUCTION**

### **1.1 Introduction**

The Red property is located in the Omineca Mining Division of northern British Columbia, southeast of the Kemess Mine, near the headwaters of Wrede Creek. In 2001, Brett Resources Inc. completed eight man-days of work dedicated to the property including compilation, prospecting, mapping and rock and stream sediment sampling.

The focus of the work was to conduct geologic mapping and additional sampling in an area where high copper stream sediment results were reported by a previous operator on the property. The field program, though cut short by inclement weather, verified and better delineated the previous anomalies, suggesting potential for a previously unrecognized, structurally-controlled, high grade Cu target along North Canyon Creek and Bird Creek.

### **1.2 Location and Access**

The Red Property is located near the headwaters of Wrede Creek in the Omineca Mining Division, northern British Columbia at 126 degrees 19' W longitude and 56 degrees 44' N latitude. The property lies about 20 kilometres north of Sustut Lake and 15 kilometres east of the Kemess Mine Road. Figure 1 is a location map of the property.

Access to the property is via the Kemess Mine Road from MacKenzie and then by helicopter to the property itself. The property covers high alpine terrain about 200 to 400 meters above timberline in moderate to steep topography. Where vegetated, the area is covered by low grasses, with small alders and willows in protected draws.

Outcrop is locally moderate to good, however much of the area is covered by skree and glacial debris.

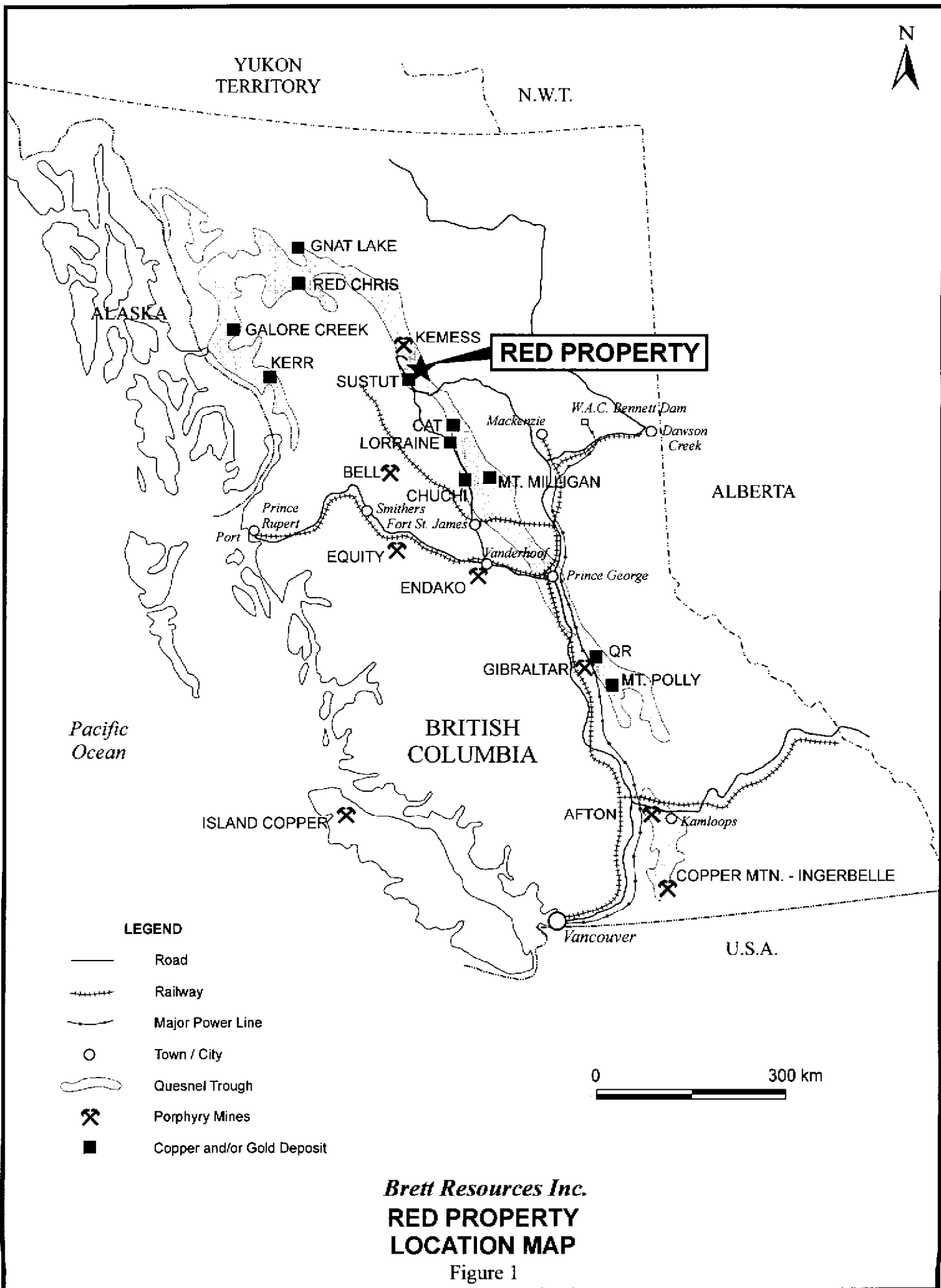
### **1.3 Claim Status**

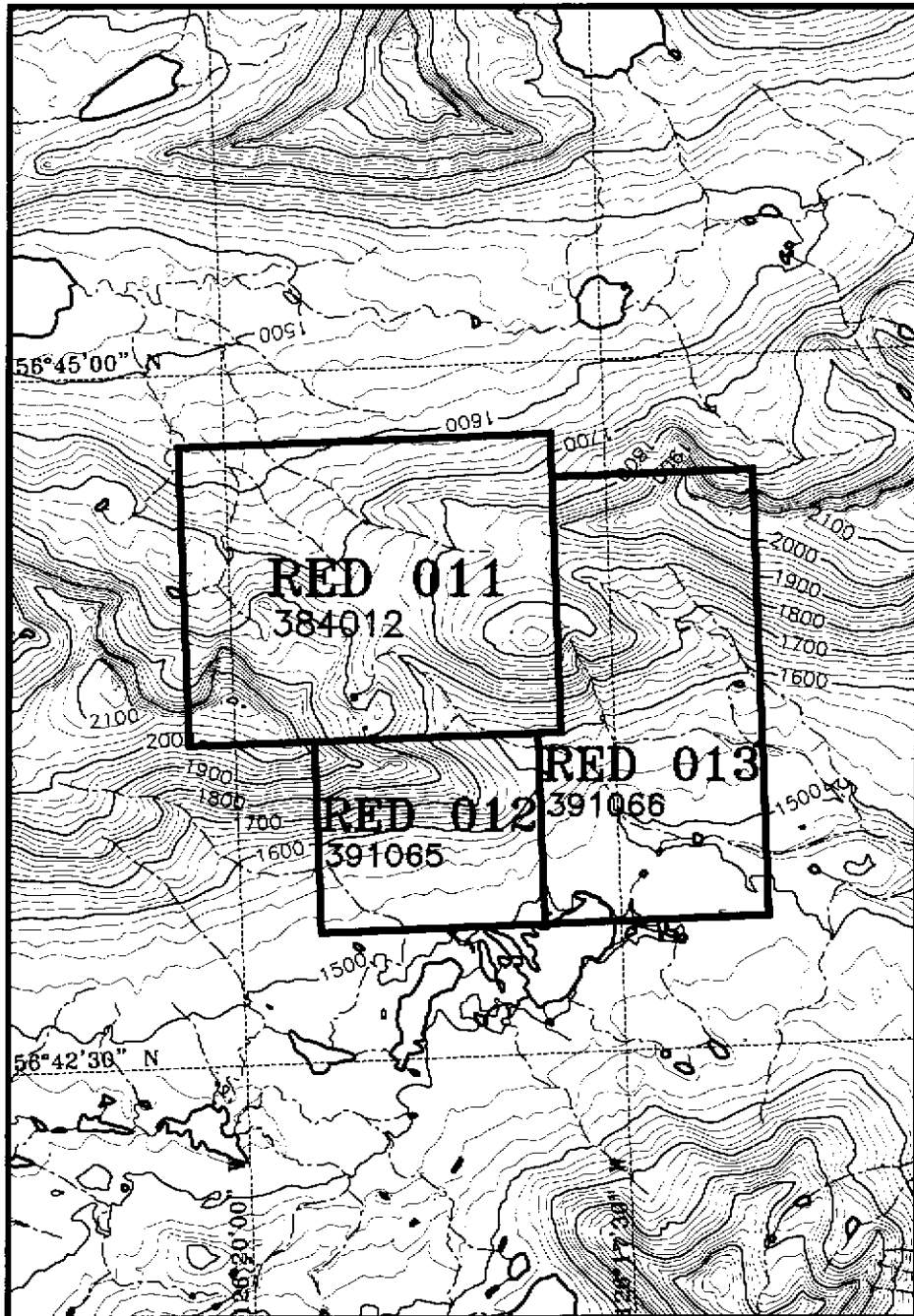
The Red 011 Property (Tenure #384012) consists of 20 claim units, 4 south and 5 east located by Watershed Resources Ltd. (client #128361) on February 13, 2001 in the Omineca Mining Division. Title of said property was subsequently transferred to D. L. Cook (client #105930) and registered on April 27, 2001. Brett Resources Inc. subsequently entered into an option agreement to acquire 100% title to the claims. Figure 2 is a claim map of the property, showing the Red 012 and Red 013 claims located by Brett Resources in late 2001.

A Statement of Work was filed in Vancouver on Feb. 1, 2002.

### **1.4 Previous History**

The Red Property and adjacent Shred Property in their various configurations have had a long exploration history. A portion of the area was originally staked by Cominco in the 1930's to cover widespread alteration and iron-staining along with gold and copper bearing quartz veins.





*Brett Resources Inc.*

**RED PROPERTY**  
 North-Central BRITISH COLUMBIA  
**CLAIM MAP**



Contour interval is 20m

Scale: 1:50,000

BCGS: 094D.079

Date: Feb 2002

NTS: 094D/09

**Fig: 2**

This area subsequently lapsed, but widespread placer operations for gold continued throughout the area in the 1940's and 1950's.

Cominco returned to the area in 1968, re-staking the Red 1-33 claims after the bulk tonnage low-grade nature of copper deposits in the belt was recognized. During programs in 1968 and 1969, Cominco mapped the property and defined a 450 x 2400 meter copper soil anomaly in excess of 200 ppm. Five diamond drill holes (totalling 318 meters) were subsequently drilled but returned only moderate values. The best hole (R84-03) yielded 0.46% Cu and 0.015% Mo over 66 feet (20.1 meters) related to disseminated chalcopyrite and pyrite mineralization in altered volcanic and intrusive rocks.

Additional claim staking and ground geophysics advanced the property in 1977. Geophysical surveys including IP, resistivity and magnetic surveys defined a sharp northwest-trending anomalous zone with high chargeability and low resistivity.

A joint venture between Cominco and BP Resources Canada continued to explore the property and an area to the southeast, in 1984. The 1984 program consisted of geologic mapping at scales of 1:10,000 and 1:5,000 and both rock and soil sampling. Much of this sampling was undertaken to determine gold values and to confirm previous copper anomalies generated by Cominco on the property. In addition to the geology and geochemistry undertaken by the JV, a series of geophysical programs were also completed. Phoenix Geophysics LTD ran a series of IP lines and BP-Selco completed ground magnetics and variety of EM techniques including EM31, Genie, and MaxMin II.

Based on their findings, the Cominco/BP Joint Venture subsequently drilled 1003.5 meters in 7 drill holes. Results from the drilling show widespread alteration associated with strongly altered and sheared diorite and andesitic volcanic rocks. The mineralization encountered however, was relatively weak and discontinuous.

The best results from this drilling phase include: 81 meters of 0.22% Cu and 0.109 g/t Au in DDH 7; and 51 meters of 0.21% Cu and 0.076 g/t Au with an additional 36 meters of 0.24% Cu and 0.125 g/t Au deeper in DDH 11.

D.L. Cooke and Associates acquired the property early in 2001 based primarily on their pre-existing knowledge of two high copper silt anomalies along the southwest side of the property.

## **2.0 GEOLOGY AND MINERALIZATION**

### **2.1 Regional Geology**

The Red property lies within the northern extension of the Quesnel trough along the western margin of the Fleet Peak pluton in the Wrede Range within the Omineca Crystalline belt. The Fleet Peak pluton of alkaline affinity is of Jurassic age and intrudes widespread, intermediate volcanic rocks of the Takla group. The Jurassic alkaline porphyry intrusions, with their distinctive Cu-Au metallogeny, define a well-known mineralized belt, slightly inboard from the majority of Cu, Cu/Mo and Mo porphyries in central British Columbia.

The Takla group, host for much of the mineralization within the belt, is comprised dominantly of marine intermediate volcanic rocks which grade upward into subaerial members as well as sedimentary units. In general, the mineralizing porphyry intrusions are co-magmatic with the Takla sequence.

## **2.1 Regional Metallogeny**

There has been much speculation on the role of transcurrent faulting and arc/rift dynamics in localizing the emplacement of the alkaline porphyry suite. Though widespread calc-alkaline magmatism occurs, significant Cu-Au mineralization occurs only within the distinctively alkaline suite of intrusions. Important deposits in the alkaline porphyry belt of British Columbia include: Afton, Cariboo Bell, Lorraine, Mount Milligan, and most importantly the Kerness and Sustut Cu/Au deposits which lie in the immediate vicinity of the property.

The alkaline Cu/Au deposits share many similar characteristics, however they are uniquely different from other porphyry Cu settings in British Columbia. The alkaline porphyries typically have diorite to syenite/monzonite compositions as well as abundant mafic phases, commonly pyroxenites or gabbros. All of the deposits are constrained to the Jurassic dating from 175 to 198 MY.

Alteration systematics are distinct as well, with the alkaline porphyries showing potassic and propylitic assemblages with rare or absent phyllic alteration.

Geochemically, the alkaline porphyry deposits have a notable gold signature and are enriched in many of the elements associated with more mafic assemblages, particularly Ni, Cr and minor amounts of PGE's.

## **2.3 Property Geology and Mineralization**

### *2.3.1 2001 Work Program - Geology*

The Red Property covers a large area of iron-stained porphyry style alteration and mineralization developed in a complex quartz diorite intrusion. This intrusion is juxtaposed against a thick sequence of Takla volcanic rocks, principally andesitic flows and tuffs, but also minor shaly sediments and carbonate lenses. A major structural zone was identified, delineating the southwest boundary between the intrusion and Takla volcanic rocks. This zone is defined by two major stream drainages, Bird Creek draining to the northwest and North Canyon Creek draining to the southeast. Plate 1 (in pocket) is a summary geologic map showing the principal geologic units on the property as well as the shear zone, gabbroic bodies and a ferricrete outcrop.

The structural zone along the two creeks is defined by a moderate shear fabric as well as a series of small sub-cropping gabbroic bodies which are poorly exposed along the negatively weathering structural zone.

Current exploration interest in the property focused on this newly delineated structural zone since extremely elevated silt anomalies occur in both creek drainages. The high Cu silt values (up to



1.37% Cu from Bird Creek and 1.80% Cu from North Canyon Creek) are far in excess of what would be expected from the broad, low-grade, porphyry style mineralization previously recognized northeast of the fault. These values suggest the presence of high grade mineralization within or along the structural zone, most likely related to the mapped gabbroic bodies.

In addition to the strong silt anomalies, an elongate 200 ppm Cu soil anomaly and an intense 2,000 to 7,000 gamma magnetic anomaly roughly mimic the structural zone as well.

Work during 2001 was directed primarily at confirming and better delineating the previous anomalies, unexplained in the context of the existing geologic mapping on the property. Further prospecting was conducted to locate the source of the high grade silt values. Results from geochemical sampling are presented in the following subsection.

Brett Resources field work in 2001 confirmed that the previous geology compiled by Cominco and BP Selco is largely accurate, although specific details in the area of interest were lacking. Also, contacts and intrusive nomenclature are over-complicated for what can truly be discerned from the largely rubble and grass covered slopes. The targeted structural zone along Bird Creek and North Canyon Creek shows a series of sheared and brecciated intermediate to mafic intrusive phases bounded by an intermediate volcanic package to the south. Further south into the volcanic rocks, thin discrete sedimentary lenses are present and include siltstone and some thick carbonate lenses. Within the structural zone itself, there are several exposures of a very coarse-grained, magnetite-rich, gabbroic phase that likely account for the strong ground magnetic response located along the structure.

Prospecting along North Canyon Creek, revealed little in the way of sulfides to account for the high Cu and downstream Ni values. Occasional specks of chalcopyrite are present throughout the zone but appear insufficient to generate values in excess of 0.2-0.3% Cu. All of this sulfide occurs along thin chloritic fractures and in no way suggests discrete sulfide segregation within the gabbroic phases.

Prospecting and mapping did identify a previously unrecognized ferricrete ledge that roughly mimics the trend of the 200 ppm Cu soil anomaly. This ferricrete ledge appears to have developed along the flanks of the porphyry mineralization in the North Canyon Creek valley. It has since been stranded as a ledge above the creek as the valley was subsequently cut deeper to the southwest.

The high Cu silt anomalies in Bird Creek are also not easily explained from the recent field work and prospecting. The area of the anomaly is a broad flat-lying area adjacent to the porphyry mineralization recognized during the Cominco/BP Selco exploration.

The porphyry mineralization encountered in this area is similar to the weak low-grade (0.15-0.2% Cu) mineralization recognized in the previous drilling. Most importantly, there is very little evidence of any significant hydro-fracturing in the immediate vicinity of Bird Creek. Veinlets related to the porphyry mineralization are typically chlorite-trace sulfide assemblages cutting an intermediate diorite. Many of the fractures are more sheeted in characteristic suggesting an imposed regional stress field rather than a magmatically induced, hydro-fractured

system of veinlets more typical of significant porphyry systems. There are a few small areas with discrete quartz veinlets with very low total sulfide content which appear to be a late potassic alteration assemblage (trace K-spar). Mineralization appears, for the most part, to be simply pyrrhotite, pyrite or chalcopyrite sulfidation of the mafic phenocrysts within the porphyry phases.

### *2.3.2 2001 Work Program - Geochemistry*

In support of the prospecting and mapping and to confirm and better delineate the previously reported copper silt anomalies, a total of 8 stream silt samples along with 6 rock chip samples were acquired. Copper, palladium and gold values for those samples along with rock descriptions and sample locations are tabulated in Table 1. Additional multi-element ICP results and Pt/Pd/Au analyses are presented on the assay certificates in Appendix A. Locations for the samples and the copper silt values are shown on Plate 1.

The stream sediment samples were collected in standard silt bags and were not screened in the field. Sampled material represents primarily silt collected from traps in the moderately to fast flowing and steep drainages. Sample locations were fixed using a single GPS unit.

The samples, as collected, were submitted to ALS Chemex labs in Vancouver for standard prep and analysis. Samples were dried, screened and the -180 micron fraction was analysed for 34 elements by ICP, using aqua regia digestion. The over limit copper samples were subsequently analyzed by AA, and all samples were run for Au, Pt & Pd by FA-ICPMS, using a 30 g charge (see Appendix A for Chemex methodology).

The rock samples represent outcrop or sub-crop collected in the vicinity of the silt samples. Approximately a 2 kg sample was bagged and described. These samples were also submitted to Chemex for analysis. Rock samples were crushed to -10 mesh and a 250 g split was pulverized to 85% passing -75 microns. Pulps were then analysed via multi-element ICP and by FA-ICPMS for Au, Pt & Pd.

Subsequent to the filing of the Statement of Work (Feb. 1, 2002) the two high copper silt samples were submitted to teckcominco's Exploration Research Laboratory for investigation of the copper species. A copy of their report is included in Appendix B to supply further relevant information. Examination of polished thin sections indicates no obvious primary or secondary copper minerals. It was noted that considerable iron oxide in discrete grains and as rimmings on gangue minerals may be enriched in adsorbed copper.

**Table 1. Geochemical Results and Sample Locations (NAD83)**

Sample Silts	UTM East	UTM North	Comments	Cu ppm	Pd ppb	Au ppb
S-1	664269	6290735	North Canyon Creek	<u>6220</u>	10	25
S-2	664141	6290870	North Canyon Creek	<u>4080</u>	8	32
S-3	664118	6290844	Up adjacent side creek south	87	9	23
S-4	664165	6290842	Up adjacent side creek north	<u>1625</u>	7	40
S-5	664069	6290984	North Canyon Creek	<u>1.80%</u>	13	17
S-6	664334	6290917	Up S-4 creek above ferricrete	<u>1175</u>	7	47
S-7	663713	6291465	Bird Creek	<u>4710</u>	8	17
S-8	663626	6291532	Bird Creek	<u>1.37%</u>	6	11
<b>Rocks</b>						
R-1	664222	6290765	dissem and fract-controlled sulfides in diorite just above S-1	23	1	4
R-2	664050	6291054	thin chl/sul veinlets in gabbro with py and cpy above S-5	341	26	3
R-3	664316	6290872	ferricrete near S-6	<u>3350</u>	2	6
R-4	663695	6291525	typical sulfidic porphyry with py/cpy after mafics north of S-7	119	3	1
R-5	663713	6290984	thin qtz/sul veinlets in diorite south of S-7	325	3	16
R-6	663848	6291193	strongly Fe-stained intermediate intrusive phase	159	<1	1

### 3.0 CONCLUSIONS AND RECOMMENDATIONS

Results from the 2001 field program confirmed the presence of significant Cu silt anomalies in the headwaters of Bird Creek and North Canyon Creek on the Red 011 property. Values are extraordinary, exceeding 1% Cu in both creeks. Such copper anomalies cannot readily be explained by the large low-grade porphyry copper system previously identified northeast of the creeks. The distribution of the anomalous values suggests that the large structural zone controlling the trend of the creeks may well contain zones of high grade copper mineralization.

Prospecting and rock chip sampling to locate an outcropping source generating the high copper silt values was less successful, although an anomalous ferricrete ledge was encountered that could be responsible in part for some of the elevated values found in North Canyon Creek. The primary source from which the ferricrete was derived was not identified. Still, much of the area is covered by low grasses and exposures are limited though broad areas of rubble and frost-heaved blocks of rock are present.

The work conducted in 2001 demonstrates that there remains significant potential for a small, high-grade structurally controlled zone of mineralization located along the major northwest

trending shear. Mineralization could be related to gabbroic intrusions along this shear, identifying previously untested potential. Additional detailed sampling and mapping is recommended in this new target area, and additional geophysical surveys could further augment definition of new drill targets.

#### 4.0 SUMMARY OF EXPENDITURES

Pertinent expenditures for the Red Property are summarized in Table 2. Work on the project was conducted intermittently between June 12, 2001 and September 10, 2001. This work included a total of 8 man-days of time, including 4 days accessing and working on the property. In addition, work included field expenses, geochemical assay costs, and travel expenses including helicopter, truck rental and airfare between Vancouver and Prince George.

**Table 2. Red 011 Expenditures**

<b>Labour:</b>		
Joe Piekenbrock	6 days @ \$325/day	\$ 1,950
Carl Hering	2 days @ \$425/day	850
		2,800
<b>Field Expenses:</b>		
Food		38
Field Equipment		59
Supplies		71
		168
<b>Geochemical Preparation &amp; Analysis:</b>		
Chemex - #A0123286		85
Chemex - #A0123289		112
Chemex - #A0123569		13
Chemex - #A0126165		202
		412
	<b>Sub-Total:</b>	<b>\$ 3,380</b>
<b>Travel to and from Property:</b>		
Helicopter		\$ 1,533
Truck Rental		530
Airfare (Vancouver/Prince George return)		222
Food/Accommodation/Gasoline		206
		\$ 2,491
Allowable 50% of project costs		1,690
<b>Summary of Expenditures:</b>		
<b>Cost Centre</b>		<b>Expenditures</b>
Geologist		\$ 2,800
Field Expenses		168
Geochemistry		412
Travel (including helicopter)		1,690
	<b>TOTAL:</b>	<b>\$ 5,070</b>

## 5.0 REFERENCES

Cooke, D.L., 1969; Geological and Geochemical Report on the Red Claims, Wrede Creek/Fleet Peak; Cominco Ltd. Assessment Report #1941.

Mustard, D., 1974; Geological, geochemical and geophysical report on the Bird Claim Group, Fleet Peak, Johanson Lake Area; BP Minerals Limited (including Selco Division). Assessment Report #5254.

Mustard, D. and Bates, C.D.S., 1975; Diamond Drilling Report on the Bird Claim Group, Johanson Lake Area; BP Minerals Limited (including Selco Division). Assessment Report #5661.

Klein, J., 1977; Geophysical Work on the Hat and Red Claims, Cominco Ltd. Assessment Report #6653.

Bradley, M.D. and Clark, W.R., 1980; An Assessment Report Detailing the 1979 Diamond Drilling Program on Shred Groups A & B; BP Minerals Limited. Assessment Report #8213.

Hoffman, S.J., 1982; Geochemical Report on the Bird Mineral Claims; BP Minerals Limited. Assessment Report #10,814.

Meyers, R.E., 1984; Assessment Report of the 1984 Geological, Geochemical, Geophysical and Diamond Drilling Joint Venture Program on the Red and Shred Claim Groups; BP Resources Canada Ltd. Assessment Report #13,316.

Cooke, D.L., 2001, Exploration Proposal for the Red Property, DL Cooke and Associates, private report.

C.I.M., 1976, Porphyry Deposits of the Canadian Cordillera.

MINFILE Reports in the area include 094D 101, 094D 111, 094D 156, 094D 157 and 094D 158..

## 6.0 STATEMENTS OF QUALIFICATIONS

### 6.1 Joe Piekenbrock

I, Joe R. Piekenbrock of 7853 Red Fox Drive, Evergreen, Colorado, USA, 80439, do hereby certify that:

- 1) I am a graduate of the University of Colorado in Boulder, Colorado with a B.A. Degree in Geology, 1977 and that I am also a graduate of the University of Arizona in Tucson, Arizona with a M.Sc. in Economic Geology, 1983.
- 2) I have practiced my profession since 1983 and have been involved in mineral exploration throughout North and South America from that time.
- 3) I am a consulting geologist with an office at 7853 Red Fox Dr., Evergreen, CO, USA 80439. I am Vice President of Exploration for Brett Resources Inc.
- 4) During the period August 18 to 22, 2001, I travelled to and conducted field investigations on the Red 011 Property.
- 5) I am author of the report entitled "Assessment Report on Geologic Mapping, Rock and Stream Sediment Sampling on the Red 011 Claims".
- 6) I have no direct interest in the Red Property although I hold both shares and share options of Brett Resources Inc. However, my share position has not changed based on this report.

Dated at Evergreen, Colorado, this 26<sup>th</sup> day of April, 2002.

Respectfully Submitted,

  
\_\_\_\_\_  
Joe R. Piekenbrock, M.Sc.

## 6.2 Carl Hering

I, Carl W. Hering of 33174 Bergen Mountain Drive, Evergreen, Colorado, USA 80439, do hereby certify that:

- 1) I am a graduate of the University of California, Santa Cruz, California with a B.A. Degree in Chemistry, 1970.
- 2) I am also a graduate of the University of Oregon, located in Eugene, Oregon with a PhD in Geology, 1980.
- 3) I have practiced my profession continuously since 1978 and have been involved in mineral exploration throughout North and South America, Australia and Asia while employed by Noranda Exploration, Placer Dome and Bema Gold.
- 4) I am now a consulting geologist with an office at 33174 Bergen Mountain Rd., Evergreen, CO, USA 80439. I am also President and CEO of Brett Resources.
- 5) During the period from June 12, 2001 to September 10, 2001 I completed initial compilation review, new program design and supervised the work conducted on the Red 011 Property.
- 6) I edited the report entitled "Assessment Report on Geologic Mapping, Rock and Stream Sediment Sampling on the Red 011 Claims".
- 7) I have no direct interest in the Red Property although I hold both shares and share options of Brett Resources Inc. However, my share position has not changed based on this report.

Dated at Vancouver British Columbia, this 13<sup>th</sup> day of May, 2002.

Respectfully Submitted,



---

Carl W. Hering, Ph.D

**APPENDIX 1**

**Assay Certificates**





# ALS Chemex

Aurora Laboratory Services 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: BRETT RESOURCES INCORPORATED

900 - 475 HOWE ST.  
 VANCOUVER, BC  
 V6C 2B3

A0123286

Comments: ATTN: JOE R. PIEKENBROCK

CERTIFICATE

A0123286

(PIA) - BRETT RESOURCES INCORPORATED

Project:  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 29-AUG-2001.

## SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
SCR-42	8	-180 micron screen - Save Minus
SCR-01	8	Screen - Save Plus Charge
LOG-22	8	Samples received without barcode
229	8	ICP - AQ Digestion charge

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

## ANALYTICAL PROCEDURES

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
WEI-21	8	Weight of received sample	BALANCE	0.01	1000.0
Ag-ICP41	8	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
Al-ICP41	8	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
As-ICP41	8	As ppm: 32 element, soil & rock	ICP-AES	2	10000
B-ICP41	8	B ppm: 32 element, rock & soil	ICP-AES	10	10000
Ba-ICP41	8	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
Be-ICP41	8	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
Bi-ICP41	8	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
Ca-ICP41	8	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
Cd-ICP41	8	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
Co-ICP41	8	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
Cr-ICP41	8	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
Cu-ICP41	8	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
Fe-ICP41	8	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
Ga-ICP41	8	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
Hg-ICP41	8	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
K-ICP41	8	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
La-ICP41	8	La ppm: 32 element, soil & rock	ICP-AES	10	10000
Mg-ICP41	8	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
Mn-ICP41	8	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
Mo-ICP41	8	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
Na-ICP41	8	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
Ni-ICP41	8	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
P-ICP41	8	P ppm: 32 element, soil & rock	ICP-AES	10	10000
Pb-ICP41	8	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
S-ICP41	8	S %: 32 element, rock & soil	ICP-AES	0.01	10.00
Sb-ICP41	8	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
Sc-ICP41	8	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
Sr-ICP41	8	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
Ti-ICP41	8	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
Tl-ICP41	8	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
U-ICP41	8	U ppm: 32 element, soil & rock	ICP-AES	10	10000
V-ICP41	8	V ppm: 32 element, soil & rock	ICP-AES	1	10000
W-ICP41	8	W ppm: 32 element, soil & rock	ICP-AES	10	10000
Zn-ICP41	8	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



# ALS Chemex

Aurora Laboratory Services 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: BRETT RESOURCES INCORPORATED

900 - 475 HOWE ST.  
 VANCOUVER, BC  
 V6C 2B3

Page Number :1-A  
 Total Pages :1  
 Certificate Date: 29-AUG-2001  
 Invoice No. : I0123286  
 P.O. Number :  
 Account : PIA

Project :  
 Comments: ATTN: JOE R. PIEKENBROCK

## CERTIFICATE OF ANALYSIS A0123286

SAMPLE	PREP CODE	Weight Kg	Ag ppm	Al %	As ppm	B 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 %
RED S-1	94069407	0.70	< 0.2	4.12	28	< 10	150	1.0	< 2	0.97	< 0.5	141	573	6220	3.38	< 10	< 1	0.13	< 10	3.37
RED S-2	94069407	0.74	< 0.2	4.44	12	< 10	100	1.0	< 2	0.39	< 0.5	114	347	4080	5.97	< 10	< 1	0.16	< 10	1.85
RED S-3	94069407	0.42	< 0.2	2.46	14	< 10	90	< 0.5	4	1.38	0.5	29	568	87	2.81	< 10	< 1	0.09	< 10	3.85
RED S-4	94069407	0.56	1.6	3.49	6	< 10	60	< 0.5	< 2	0.24	< 0.5	16	268	1625	5.00	< 10	< 1	0.09	< 10	1.50
RED S-5	94069407	0.66	< 0.2	8.84	24	< 10	110	4.0	< 2	0.47	< 0.5	89	256	>10000	1.68	< 10	< 1	0.13	10	1.32
RED S-6	94069407	0.68	1.2	3.01	2	< 10	100	< 0.5	2	0.34	< 0.5	19	246	1175	3.21	< 10	2	0.20	< 10	1.61
RED S-7	94069407	0.40	2.8	3.69	8	< 10	100	0.5	6	0.65	< 0.5	31	392	4710	3.86	< 10	2	0.22	< 10	2.45
RED S-8	94069407	0.56	< 0.2	3.19	6	< 10	220	1.0	< 2	0.88	< 0.5	48	433	>10000	3.24	< 10	< 1	0.40	< 10	2.78

CERTIFICATION: \_\_\_\_\_



# ALS Chemex

Aurora Laboratory Services 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: BRETT RESOURCES INCORPORATED

900 - 475 HOWE ST.  
 VANCOUVER, BC  
 V6C 2B3

Page Number : 1-B  
 Total Pages : 1  
 Certificate Date: 29-AUG-2001  
 Invoice No. : T0123286  
 P.O. Number :  
 Account : PIA

Project :  
 Comments: ATTN: JOE R. PIEKENBROCK

## CERTIFICATE OF ANALYSIS

### A0123286

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
RED S-1	94069407	895	5 < 0.01		329	2560	< 2	0.04	6	2	77	0.07	< 10	< 10	85	< 10	70
RED S-2	94069407	1000	19 < 0.01		155	2230	< 2	0.14	8	1	26	0.08	< 10	< 10	81	< 10	34
RED S-3	94069407	440	3 < 0.01		311	2600	< 2	0.05	16	1	106	0.05	< 10	< 10	72	< 10	38
RED S-4	94069407	205	14 < 0.01		111	1900	< 2	0.17	6	< 1	22	0.05	< 10	< 10	65	< 10	22
RED S-5	94069407	720	4 < 0.01		165	1410	< 2	0.07	10	2	30	0.05	< 10	< 10	45	< 10	30
RED S-6	94069407	350	11 < 0.01		93	1580	< 2	0.05	8	2	30	0.09	< 10	< 10	79	< 10	30
RED S-7	94069407	390	6 < 0.01		164	2590	< 2	0.08	10	1	29	0.10	< 10	< 10	90	< 10	40
RED S-8	94069407	550	4 < 0.01		191	2680	< 2	0.01	2	3	42	0.13	< 10	< 10	102	< 10	46

CERTIFICATION: \_\_\_\_\_



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To: BRETT RESOURCES INCORPORATED

900 - 475 HOWE ST.  
 VANCOUVER, BC  
 V6C 2B3

A0123289

Comments: ATTN: JOE R. PIEKENBROCK

CERTIFICATE

A0123289

(PIA) - BRETT RESOURCES INCORPORATED

Project:  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 29-AUG-2001.

### SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
PUL-31	6	Pulv. <250g to >85%/-75 micron
STO-21	6	Reject Storage-First 90 Days
LOG-22	6	Samples received without barcode
CRU-31	6	Crush to 70% minus 2mm
SPL-21	6	Splitting Charge
229	6	ICP - AQ Digestion charge

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

### ANALYTICAL PROCEDURES 1 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
WEI-21	6	Weight of received sample	BALANCE	0.01	1000.0
Ag-ICP41	6	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
Al-ICP41	6	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
As-ICP41	6	As ppm: 32 element, soil & rock	ICP-AES	2	10000
B-ICP41	6	B ppm: 32 element, rock & soil	ICP-AES	10	10000
Ba-ICP41	6	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
Be-ICP41	6	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
Bi-ICP41	6	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
Ca-ICP41	6	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
Cd-ICP41	6	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	500
Co-ICP41	6	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
Cr-ICP41	6	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
Cu-ICP41	6	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
Fe-ICP41	6	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
Ga-ICP41	6	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
Hg-ICP41	6	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
K-ICP41	6	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
La-ICP41	6	La ppm: 32 element, soil & rock	ICP-AES	10	10000
Mg-ICP41	6	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
Mn-ICP41	6	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
Mo-ICP41	6	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
Na-ICP41	6	Na %: 32 element, soil & rock	ICP-AES	0.01	10.00
Ni-ICP41	6	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
P-ICP41	6	P ppm: 32 element, soil & rock	ICP-AES	10	10000
Pb-ICP41	6	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
S-ICP41	6	S %: 32 element, rock & soil	ICP-AES	0.01	10.00
Sb-ICP41	6	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
Sc-ICP41	6	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
Sr-ICP41	6	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
Ti-ICP41	6	Ti %: 32 element, soil & rock	ICP-AES	0.01	10.00
Tl-ICP41	6	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
U-ICP41	6	U ppm: 32 element, soil & rock	ICP-AES	10	10000
V-ICP41	6	V ppm: 32 element, soil & rock	ICP-AES	1	10000
W-ICP41	6	W ppm: 32 element, soil & rock	ICP-AES	10	10000



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 212 Brooksbank Ave., North Vancouver  
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 PHONE: 604-984-0221 FAX: 604-984-0218

To: BRETT RESOURCES INCORPORATED

900 - 475 HOWE ST.  
 VANCOUVER, BC  
 V6C 2B3

A0123289

Comments: ATTN: JOE R. PIEKENBROCK

**CERTIFICATE**

**A0123289**

(PIA) - BRETT RESOURCES INCORPORATED

Project:  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 29-AUG-2001.

### SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
PUL-31	6	Pulv. <250g to >85%/-75 micron
STO-21	6	Reject Storage-First 90 Days
LOG-22	6	Samples received without barcode
CRU-31	6	Crush to 70% minus 2mm
SPL-21	6	Splitting Charge
229	6	ICP - AQ Digestion charge

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

### ANALYTICAL PROCEDURES 2 of 2

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
Zn-ICP41	6	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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To: BRETT RESOURCES INCORPORATED

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 Certificate Date: 29-AUG-2001  
 Invoice No. : I0123289  
 P.O. Number :  
 Account : PIA

Project :  
 Comments: ATTN: JOE R. PIEKENBROCK

## CERTIFICATE OF ANALYSIS

A0123289

SAMPLE	PREP CODE	Weight Kg	Ag ppm	Al %	As ppm	B 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 %
RED R-1	94139402	1.52	< 0.2	0.16	28	< 10	30	< 0.5	< 2	1.19	1.5	76	474	23	5.54	< 10	4	< 0.01	< 10	9.68
RED R-2	94139402	1.50	< 0.2	0.98	< 2	20	90	< 0.5	2	0.19	0.5	59	297	341	4.67	< 10	< 1	< 0.01	< 10	6.25
RED R-3	94139402	1.04	< 0.2	1.46	< 2	< 10	170	0.5	< 2	0.07	2.0	39	384	3350	>15.00	< 10	4	0.49	< 10	2.65
RED R-4	94139402	1.64	< 0.2	3.06	< 2	< 10	40	< 0.5	< 2	10.95	< 0.5	24	150	119	3.99	< 10	1	0.20	< 10	2.20
RED R-5	94139402	2.08	0.4	0.80	2	< 10	40	< 0.5	< 2	3.07	< 0.5	35	56	325	6.44	< 10	< 1	0.26	< 10	0.43
RED R-6	94139402	1.52	< 0.2	1.22	2	< 10	120	< 0.5	< 2	0.39	< 0.5	21	21	159	3.40	< 10	< 1	0.33	< 10	0.8

CERTIFICATION: \_\_\_\_\_



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 Account : PIA

Project :

Comments: ATTN: JOE R. PIEKENBROCK

## CERTIFICATE OF ANALYSIS

A0123289

SAMPLE	PREP CODE	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
RED R-1	94139402	935	< 1	< 0.01	898	60	< 2	0.02	12	7	29	< 0.01	< 10	< 10	23	< 10	28
RED R-2	94139402	480	3	< 0.01	629	70	2	0.03	4	5	7	0.01	< 10	< 10	39	< 10	34
RED R-3	94139402	380	5	0.01	181	630	< 2	0.29	14	< 1	1	0.13	< 10	< 10	72	< 10	18
RED R-4	94139402	1385	1	0.01	51	690	< 2	0.15	8	6	107	0.09	< 10	< 10	119	< 10	44
RED R-5	94139402	550	6	0.04	56	570	< 2	2.92	< 2	< 1	19	0.12	< 10	< 10	42	< 10	14
RED R-6	94139402	245	3	0.07	8	620	< 2	1.20	2	1	20	0.06	< 10	< 10	62	< 10	28

CERTIFICATION: \_\_\_\_\_



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To: BRETT RESOURCES INCORPORATED

900 - 475 HOWE ST.  
 VANCOUVER, BC  
 V6C 2B3

RECEIVED

SEP 10 2001

A0123569

Comments: ATTN: JOE R. PIEKENBROCK

Ans'd

**CERTIFICATE**                      **A0123569**

(PIA) - BRETT RESOURCES INCORPORATED

Project:  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 31-AUG-2001.

ANALYTICAL PROCEDURES					
METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
Cu-AA46	2	Cu %: Conc. Nitric-HCl dig'n	AAS	0.01	50.0

SAMPLE PREPARATION		
METHOD CODE	NUMBER SAMPLES	DESCRIPTION
212	2	Overlimit pulp, to be found





# ALS Chemex

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 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
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To: BRETT RESOURCES INCORPORATED

900 - 475 HOWE ST.  
 VANCOUVER, BC  
 V6C 2B3

Project:  
 Comments: ATTN: JOE R. PIEKENBROCK

Page Number : 1  
 Total Pages : 1  
 Certificate Date: 31-AUG-2001  
 Invoice No. : I0123569  
 P.O. Number :  
 Account : PIA

## CERTIFICATE OF ANALYSIS

A0123569

SAMPLE	PREP CODE	Cu %										
RED S-5	212 --	1.80										
RED S-8	212 --	1.37										

CERTIFICATION: 



# ALS Chemex

Aurora Laboratory Services 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: BRETT RESOURCES INCORPORATED

900 - 475 HOWE ST.  
 VANCOUVER, BC  
 V6C 2B3

RECEIVED

OCT 22 2001

A0126165

Comments: ATTN: JOE R. PIEKENBROCK

CERTIFICATE

A0126165

(PIA) - BRETT RESOURCES INCORPORATED

Project:  
 P.O. #:

Samples submitted to our lab in Vancouver, BC.  
 This report was printed on 12-OCT-2001.

### SAMPLE PREPARATION

METHOD CODE	NUMBER SAMPLES	DESCRIPTION
244	14	Pulp; prev. prepared at Chemex

### ANALYTICAL PROCEDURES

METHOD CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
Au-MS23	14	Au ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	1	1000
Pt-MS23	14	Pt ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	0.5	1000
Pd-MS23	14	Pd ppb: Fuse 30g - ICPMS Finish	FA-ICPMS	1	1000



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 Account : PIA

Project :  
 Comments: ATTN: JOE R. PIEKENBROCK

<b>CERTIFICATE OF ANALYSIS</b>	<b>A0126165</b>
--------------------------------	-----------------

SAMPLE	PREP CODE	Au ppb ICP-MS	Pt ppb ICP-MS	Pd ppb ICP-MS						
RED S-1	244 --	25	6.0	10						
RED S-2	244 --	32	4.5	8						
RED S-3	244 --	23	6.5	9						
RED S-4	244 --	40	4.5	7						
RED S-5	244 --	17	3.5	13						
RED S-6	244 --	47	3.5	7						
RED S-7	244 --	17	4.0	8						
RED S-8	244 --	11	4.5	6						
RED R-1	244 --	4	17.0	1						
RED R-2	244 --	3	7.5	26						
RED R-3	244 --	6	4.0	2						
RED R-4	244 --	1	3.0	3						
RED R-5	244 --	16	3.0	3						
RED R-6	244 --	1	< 0.5	< 1						

CERTIFICATION: \_\_\_\_\_

**APPENDIX B**

**Research Laboratory Report**

Mr. Larry Nagy, Director  
Brett Resources Inc.  
#900 - 475 Howe Street  
Vancouver, B.C.  
V6C 2B3

12 April, 2002

Dear Larry:            **RE: Anomalous Cu Values in Silts / E.R.L. Job V01-0549S**

Two silt samples, lab numbers S0103386 (Red-S5) and S0103387 (Red-S8) bearing 1.37% and 1.80% Cu were submitted to Teck Cominco's E.R.L. for the purposes of explaining the extraordinary high values.

The following procedure was performed on each sample.

- (1) The sample was sieved to -80 mesh and mechanically split. One half was archived and the other was further processed.
- (2) The second -80 mesh split was run through heavy liquids at a S.G. of 2.96 producing a float and a sink fraction.
- (3) Each fraction was analyzed for 28 elements by I.C.P.  
It was found that the -80 mesh, lighter than S.G. 2.96 fraction was enriched in Cu relative to the heavier fraction.
- (4) The -80 mesh, plus S.G. 2.96 of each sample was made into a polished grain mount.

Of the two polished thin sections prepared there are no obvious primary (sulfides) or secondary (oxides and carbonates) copper minerals. What is noted is considerable iron oxide (a rusty brown stain) in discrete grains and around (as rimmings) gangue mineral grains such as quartz, feldspars, biotite (?) and sericite/clay. It is possible that this rimming feature is enriched in adsorbed copper.

To further investigate this possibility some discussions are necessary before proceeding.

Yours truly,



J.A. McLeod, M.A.Sc., P.Eng.  
Manager, E.R.L.

JAM/skw

App. (i) geochemistry  
(ii) heavy liquid weights

V01-549S Brett Resources  
 Recieved 3/05/02  
 Completed 3/08/02

	Lab Sample S01 #	Field #	Sieved	Mesh	TBE 2.96 s.g.	Float wt. gms	Sink wt. gms
			+80 / gms	-80 / gms	No. of Fun. Run		
			& 1/2 -80 kept	fraction run			
1	3386	S-5	yes	9.5	1	8.8	0.3
2	3387	S-8	yes	14.2	1	11.9	2.2
3							
4							

BRETT RESOURCES  
RED PROP. SOILS

Job V 01-0549S  
Report date: 12 APR 2002

teckcominco

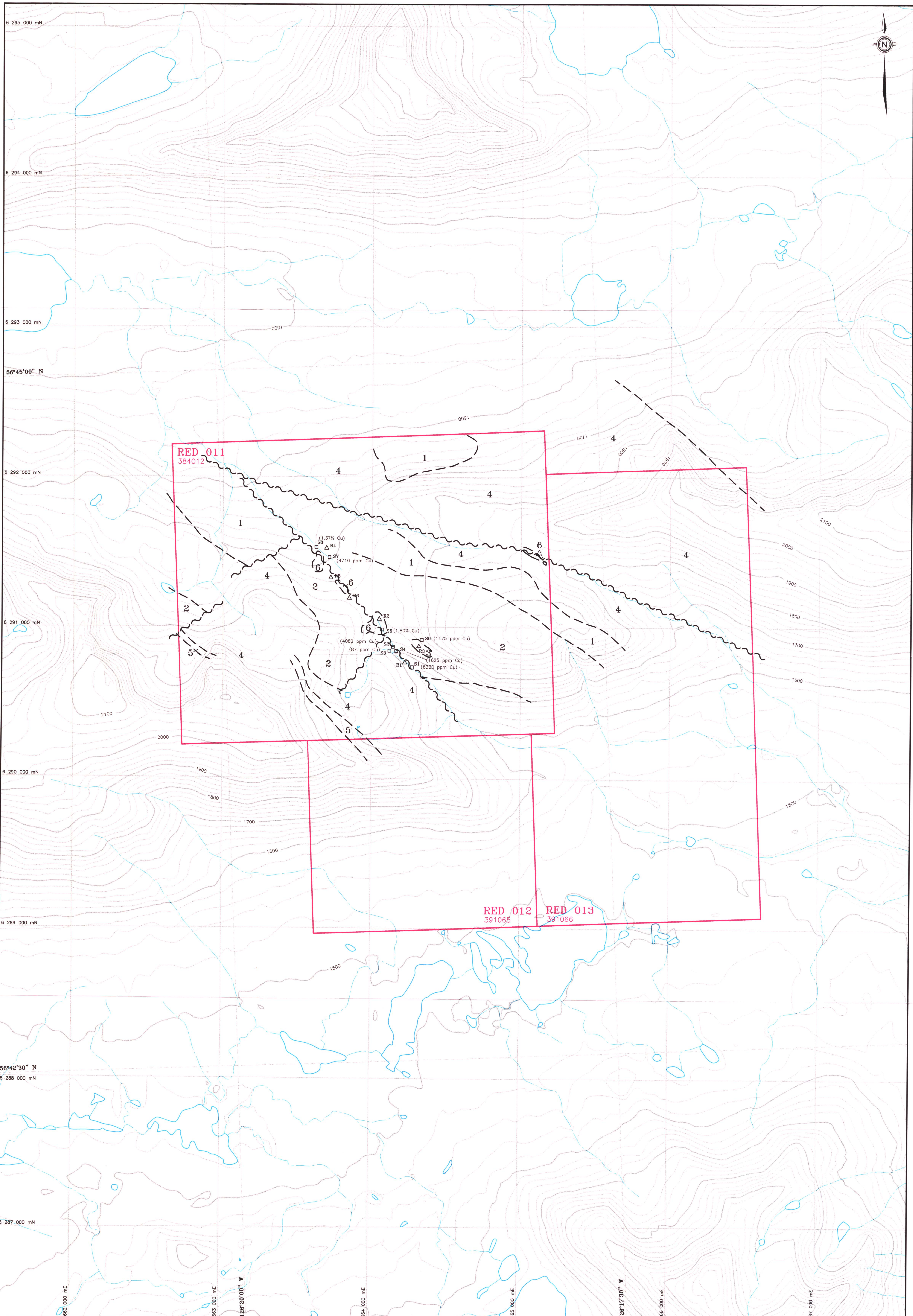
LAB NO	FIELD NUMBER	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	Ba ppm	Cd ppm	Co ppm	Ni ppm	Fe %	Mn ppm	Cr ppm	Bi ppm	Sb ppm	V ppm	Sn ppm	W ppm	Br ppm	Y ppm	La ppm	Mn ppm	Hg %	Ti %	Al %	Ca %	Na %	K %	P ppm
S0103386	S-5 (float)	20320	30	73	<.4	11	124	<1	166	208	2.03	<3	258	<5	<5	24	<2	<2	28	282	24	1445	1.71	0.07	9.76	0.49	0.03	0.15	1387
S0103387	S-8 (float)	16430	11	97	<.4	<2	288	<1	90	280	4.72	3	479	<5	<5	124	<2	<2	39	50	9	1057	4.17	0.15	4.17	0.78	0.03	0.46	1773
S0103386	S-5 (sink)	4187	27	74	<.4	<2	82	<1	38	155	5.82	2	1220	<5	<5	94	<2	<2	55	29	10	378	1.07	0.05	1.28	1.02	0.03	0.10	3893
S0103387	S-8 (sink)	2744	4	47	<.4	3	73	<1	17	98	4.39	<2	865	<5	<5	83	<2	<2	73	16	12	261	1.07	0.06	1.05	1.56	0.06	0.17	5368

I=insufficient sample X=small sample E=exceeds calibration C=being checked R=revised  
If requested analyses are not shown, results are to follow

ANALYTICAL METHODS

ICP PACKAGE : 0.5 gram sample digested in hot reverse aqua regia (soil,silt) or hot Aqua Regia(rocks).





- LEGEND**
- Road
  - Drainage
  - Pond / Lake
  - Topographic contours
  - Property Claim Outline
  - Other Claims
- 
- 1 Quartz-Diorite Porphyry
  - 2 Diorite
  - 3 Ferricrete
  - 4 Volcanics : Andesite, Rhyolite, Minor Basalt
  - 5 Sediements : Siltstones, Carbonates,
  - 6 Gabbro, Sheared /Foliated rocks
- 
- Geological Contact
  - Fault
- 
- Δ Rock Sample
  - Silt Sample (with Cu results)
  - R# Sample Number

GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT

**26,851**

Contour interval is 20m  
Projection: UTM, Zone 9, NAD83



*Brett Resources Inc.*

**RED PROPERTY**  
North-Central BRITISH COLUMBIA

**GEOLOGY &  
SAMPLE LOCATIONS**

Scale: 1:10,000	BCGS: 094D.079	Plate: 1
Date: May 2002	NTS: 094D/09	