

ASSESSMENT REPORT  
ON  
GEOCHEMICAL WORK  
ON THE FOLLOWING CLAIMS

Tenure # 508269

**Silver Crown Property**

STATEMENT OF WORK #  
4020705

Located

30 KM NORTHWEST OF  
STEWART, BRITISH COLUMBIA  
SKEENA MINING DIVISION

Latitude 56° 06' 27" N  
Longitude 129° 53' 53" W

MAPSHEETS 104A011

PROJECT PERIOD: July 15 to October 15, 2004

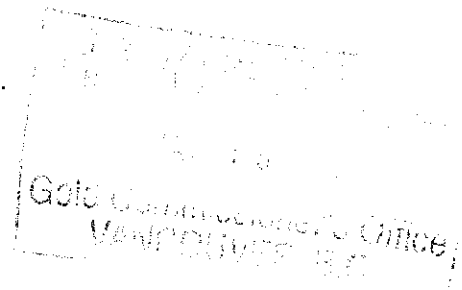
ON BEHALF OF  
TEUTON RESOURCES CORP.  
VANCOUVER, B.C.

REPORT BY

K. Mastalerz, Ph.D.  
D. Cremonese, P. Eng.  
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V6B 1N2

Date: January 14, 2006

28,017



GEOLOGICAL SURVEY BRANCH

## TABLE OF CONTENTS

	Page
1. INTRODUCTION	
1	
A. Property, Location, Access and Physiography	1
B. Status of Property	1
C. History	1
D. References	2
E. Summary of Work Done	3
2. TECHNICAL DATA AND INTERPRETATION	3
A. Geology & Mineralization	3
B. Rock Geochemistry	4
a. Introduction	4
b. Treatment of Data	4
c. Sample Descriptions	5
C. Discussion	5
D. Field Procedure and Laboratory Technique	5
E. Conclusions	6

### APPENDICES

- 1 Work Cost Statement
- 2 Certificates of Qualification
- 3 Rock Sample Descriptions
- 4 Au-Ag-Cu-Pb-Zn-As-Sb Sample Values
- 5 Assay Certificates

### ILLUSTRATIONS

Fig. 1	Location Map	Report Body
Fig. 2	Claims Map	Report Body
Fig. 3	Geology Map	Report Body
Fig. 4	Sample Location Map	Report Body

## 1. INTRODUCTION

### A. Property, Location, Access and Physiography

The property is located about 20 km north of Stewart, British Columbia, between Bear River Ridge and Long Lake. Slopes are moderate on the lower, western slopes of Bear River Ridge, and steep to precipitous in places at higher elevations. Access is by helicopter, although one could drive to within hiking distance of the property using the Big Missouri road network.

Vegetation in the higher portions of the property is generally sparse, with much of the area featuring barren rock, talus slopes or glacial debris. At lower elevations scrub hemlock and balsam occur in patches.

Climate is severe during the winter months with abundant snowfall. Depending upon local weather conditions, ground comes open for fieldwork generally from early July onward.

### B. Status of Property

The Silver Crown property is comprised of one post-conversion claim as summarized below:

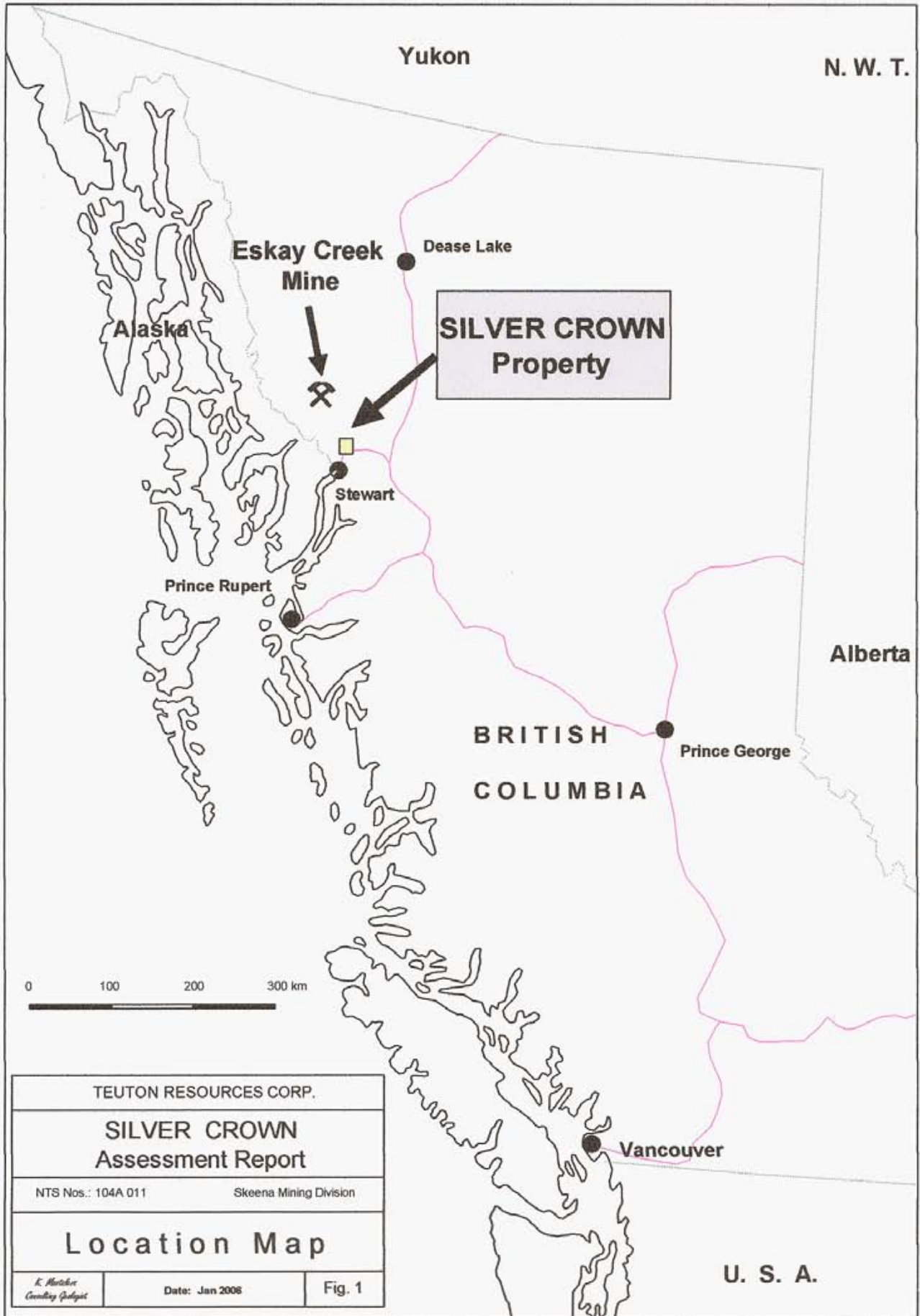
Post Conversion Tenure #	Current Expiry Date
508269	March 5, 2006

Claim locations are shown on Fig. 2. The claim is owned jointly by Teuton Resources Corp. and Minvita Enterprises Ltd. of Vancouver.

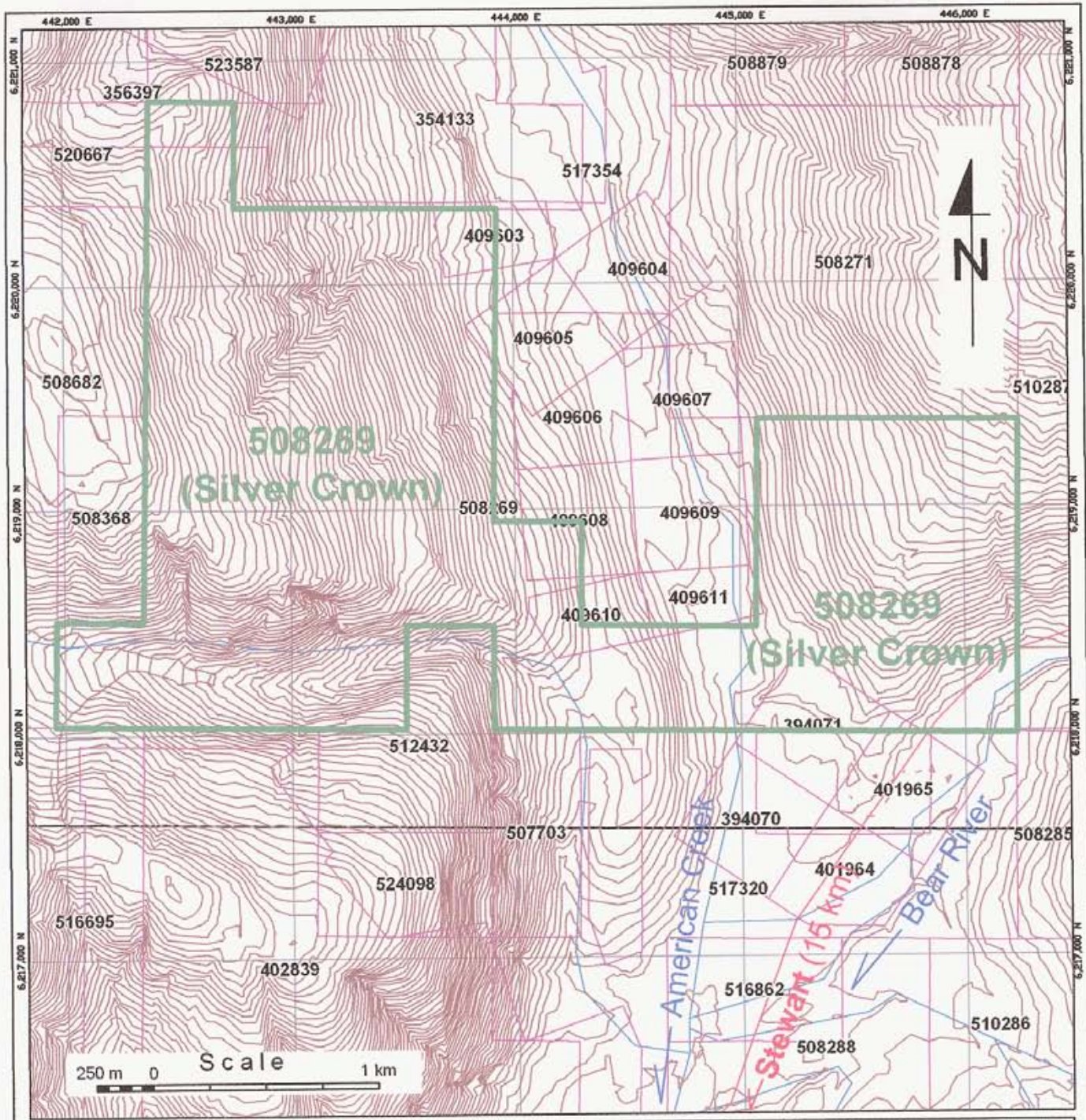
### C. History

After the 1919 discovery and subsequent exploitation of the famous Premier mine, located 8km southwest of the Silver Crown property, the surrounding regions were intensively explored. However, the authors have not been able to find any early reference to work on the subject property during this period.

In 1956, Henry Hill is reported to have worked on a polymetallic mineral showing on the upper portions of the west slope of Bear River Ridge at an elevation of 1,550 m. In 1965, D. Collison discovered polymetallic vein mineralization in the same area along a strike length of 450m. This showing eventually became known as the Silver Crown, hence the current name of the property. E.W. Grove describes the Silver Crown showing in detail in Bullet No. 58 (1971). He was of the



TEUTON RESOURCES CORP.		
<b>SILVER CROWN Assessment Report</b>		
NTS Nos.: 104A 011		Skeena Mining Division
<b>Location Map</b>		
<i>K. Mutchler Geological Geologist</i>	Date: Jan 2008	Fig. 1






**Legend:**

**508269**

Tenure 508269 - Silver Crown  
(boundaries of the converted claim)

**516862**

Other claims

-  contours (every 20 m)
-  road
-  lake, creek

TEUTON RESOURCES CORP.

**TENURE 508269 (Silver Crown)  
Assessment Report**

NTS Nos.: 104 011

Keena Mining Division

**Claim Map**

*K. Auster  
Cristy Geyer*

Claims:  
508269

Date:  
Jan 2006

Fig. 2

Source: MapperWrapper (<http://webmap.em.gov.bc.ca/mapplace>), modified

opinion (private communication with D. Cremonese, one of the authors) that the area had some affinities with the Premier mine showings, and as such deserved careful scrutiny. Teuton Resources staked the property and did minor prospecting on it in the early 1980's and carried out an airborne survey over it in 1987.

In 1989, after Teuton allowed the property to lapse, White Channel Resources and thereafter Navarre Resources carried out extensive work on the claims including sampling, geophysical surveying, geological mapping and diamond drilling. Although several narrow high-grade silver-lead-zinc veins were encountered in this work, delineation of larger precious metal bearing structures proved elusive. The claims were eventually dropped and remained open until Teuton Resources picked up the property again in 2003.

#### **D. References**

ALLDRICK, D.J.(1984): Geological Setting of the Precious Metals Deposits in the Stewart Area, Paper 84-1, Geological Fieldwork 1983", B.C.M.E.M.P.R.

ALLDRICK, D.J.(1985): "Stratigraphy and Petrology of the Stewart Mining Camp (104B/1E)", p. 316, Paper 85-1, Geological Fieldwork 1984, B.C.M.E.M.P.R.

EMPR MAPPLACE; [http://webmap.em.gov.bc.ca/mapplace/minpot/new\\_xmap.cfm](http://webmap.em.gov.bc.ca/mapplace/minpot/new_xmap.cfm)

GROVE, E.W. (1971): Bulletin 58, Geology and Mineral Deposits--Stewart Area. BCMEMPR

GROVE, E.W. (1982): Geological Report and Work Proposal on the Glacier Claims in the Portland Canal Area, Northwestern BC, Private Report for Komody Resources Ltd.

GROVE, E.W. (1982): Unuk River, Salmon River, Anyox Map Areas. Ministry of Energy, Mines and Petroleum Resources, B.C.

GROVE, E.W. (1987): Geology and Mineral Deposits of the Unuk River-Salmon River-Anyox Area, Bulletin 63, BCMEMPR

HERMARY, R.G, WOODS, DENNIS V. (1988); Assessment Report on Geophysical Work on the Silver Crown and Silver Shoes Claims, on file with ARIS, EMPR (BC) #17609

KIKAUKA, A. (2000); Assessment Report on Geological and Geochemical Work on the D 1-6 Claims, Long Lake, Stewart, BC; on file with ARIS, EMPR (BC) #26219

KONKIN, KEN, P. GEO. (2004): Fieldnotes and maps relating to Stewart region work programs, 2004

## **E. Summary of Work Done.**

The 2004 work on the Silver Crown property was part of a larger, summer program involving exploration of more than ten separate Teuton properties located in the Stewart region. This field work spanned the period from mid-July to mid-October, 2004.

Ken Konkin, a geologist with lengthy experience in the Stewart region who has found numerous showings for Teuton Resources over the years, was assigned to fly into the Silver Crown property. The objective was to locate the old Silver Crown showings and investigate zones of fresh rock exposed by retreating ice higher up from the showings. To that end, Mr. Konkin flew into the property on July 20, but because of cloudy conditions was not able to access the proper part of the claims. A second attempt the following day, this time by four wheel drive up the Big Missouri road network to Long Lake also proved fruitless because the road had fallen into disrepair in previous years.

As a result only 3 samples were taken, all of them float (regrettably one of the least fruitful surveys undertaken in 2004—a lack of production that is inevitable from time to time given the vagaries of exploring the Stewart region).

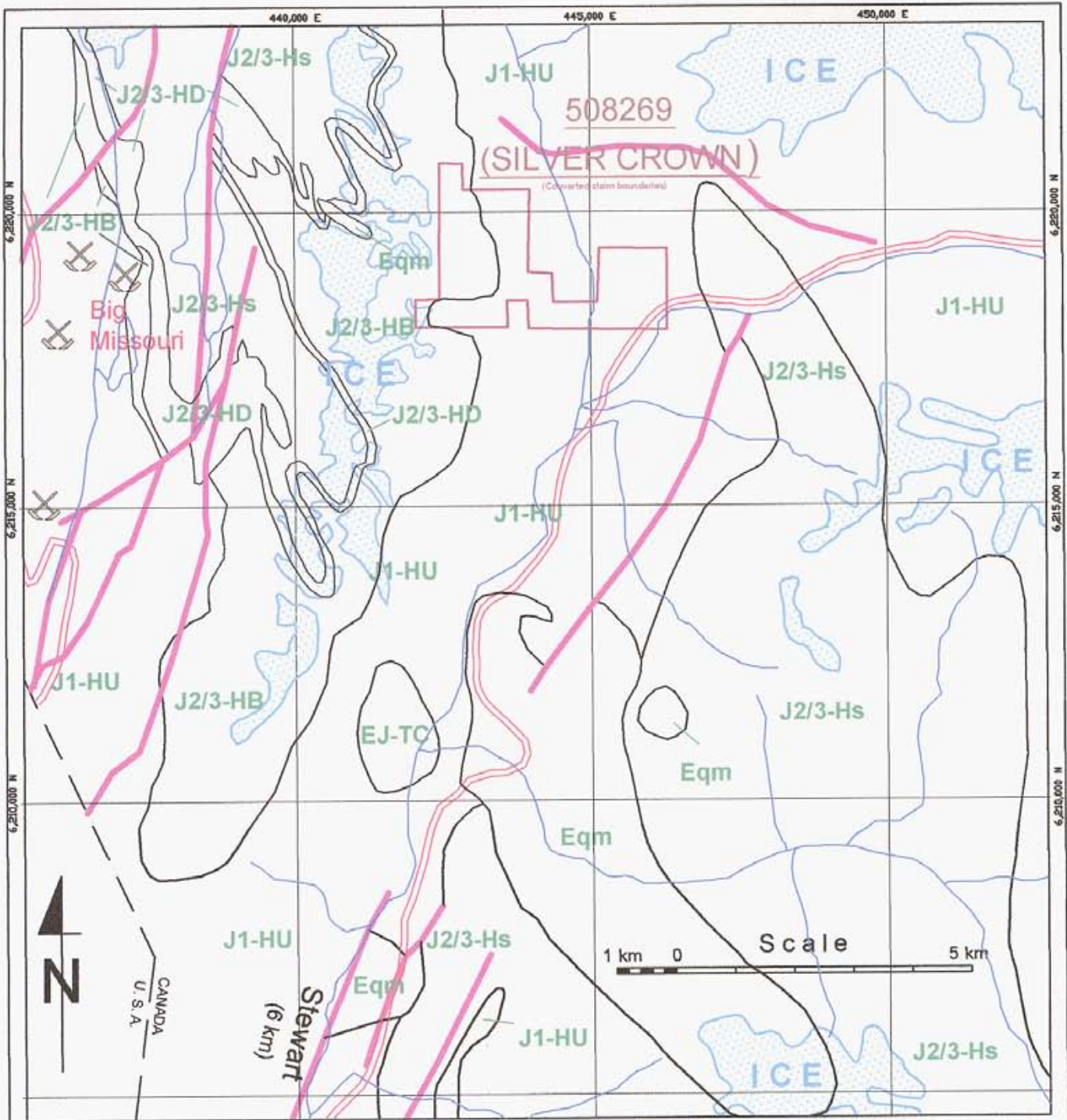
All rock samples were prepared and analyzed for gold content/ICP at the Pioneer Laboratories facility in Richmond, BC.

## **2. TECHNICAL DATA AND INTERPRETATION**

### **A. Geology and Mineralization**

The property lies with the west-central portion of the broad, NNW trending belt of Triassic and Jurassic volcanic and sedimentary rocks termed by Grove (1971) as the "Stewart Complex". This belt is bounded to the west by the Coast Crystalline Belt (mainly granodiorites) and to the east by a thick series of sedimentary rocks known as the Bowser Assemblage (Middle Jurassic to Upper Jurassic

Locally, the area of Tenure #508269 is underlain by a composite suite of volcanogenic-sedimentary rocks representing lower to middle stratigraphic end-members of the Hazelton Group (Jurassic). The greater part of the property is underlain by various end-members of the Unuk River Formation (J1-HU; Fig. 3). They include reddish-brown and greenish colored, massive to thick bedded, predominantly coarse-grained volcanoclastic rocks (volcanic breccia, tuff breccia, lapilli tuff, sand-grade coarse tuff, and reworked conglomerates with predominant pebbles of volcanic rocks. In the western and northwestern part of the claim these rocks pass into



**Legend:**

- |                         |  |  |               |
|-------------------------|--|--|---------------|
|                         | geological contacts                                |  | road          |
|                         | faults   |  | lake, creek   |
| <b>Intrusive Rocks:</b> |  |  | glaciers      |
|                         | Quartz Monzonite (Eocene)                          |  | past producer |
|                         | Texe Creek Stocks; granodiorite (Eocene-Jurassic?) |  |               |
| <b>Layered Rocks:</b>   |  |  |               |
|                         | Hazellton Group; sediments (undivided)             |  |               |
|                         | Hazellton Group; Mt Dilworth Fm                    |  |               |
|                         | Hazellton Group; Belly Creek Fm                    |  |               |
|                         | Hazellton Group; Unuk River Fm                     |  |               |

TEUTON RESOURCES CORP.			
<b>TENURE 508269 (SILVER CROWN)</b>			
<b>Assessment Report</b>			
NTS Nos.: 104A 011		Skeena Mining Division	
<b>Geology Map</b>			
<i>K. Hatcher</i> Geology Analyst	Claims: 508269	Date: Jan 2006	Fig. 3

Source: BCGS Geology Map (<http://webmap.em.gov.bc.ca/mapplace/>) modified



greenish-to-reddish, more distinctly and thinner bedded volcanoclastics which interfinger with minor sediments – most probably of the Betty Creek Formation (J2/3-HB; Fig. 3). At higher elevations on the eastern slope of the Bear River Ridge (just west of the claim) E.W Grove places on his map (1971; Fig. 3) a package of thin-bedded sedimentary rocks representing, most probably, the Salmon River Formation. The same author has mapped a small-scale intrusive plug of augite diorite just SE of the Bear River bend, before the confluence of American Creek (SE corner of Tenure #508269).

According to the BCGS web-site map, the area of the claim is located between two synclinal(?) belts where the younger, sedimentary portion of the Hazelton Group succession is locally well exposed: the Mount Dilworth Syncline (comp. E.W. Grove 1971) in the west, and a northern termination of the broad NNW-SSE trending belt of the middle-to-upper Jurassic sedimentary rocks to the east (J2/3-Hs; Fig 3). Such a situation implies an anticlinorial position of the claim area. Earlier, E.W. Grove (1971; see also his Figs. 3 and 9) has provided a similar structural solution and proposed a name – American Creek Syncline – for this NNW-SSE trending feature. The steeply to vertical dipping strata in the core of the Anticline display N-S to NNW-SSE strikes. The strata of the Unuk River Formation on its western limb dip steeply to moderately westward, while further westward, the rocks of the Betty Creek Formation show shallow western and northern dips. On the eastern limb of the anticline strata dip moderately toward NE (see Grove 1971; Fig. 3). The south-eastern part of the claim is characterized by well developed, steep, N-S trending cleavage/schistosity (planar-axial cleavage of the American Creek Anticline).

## **B. Rock Geochemistry**

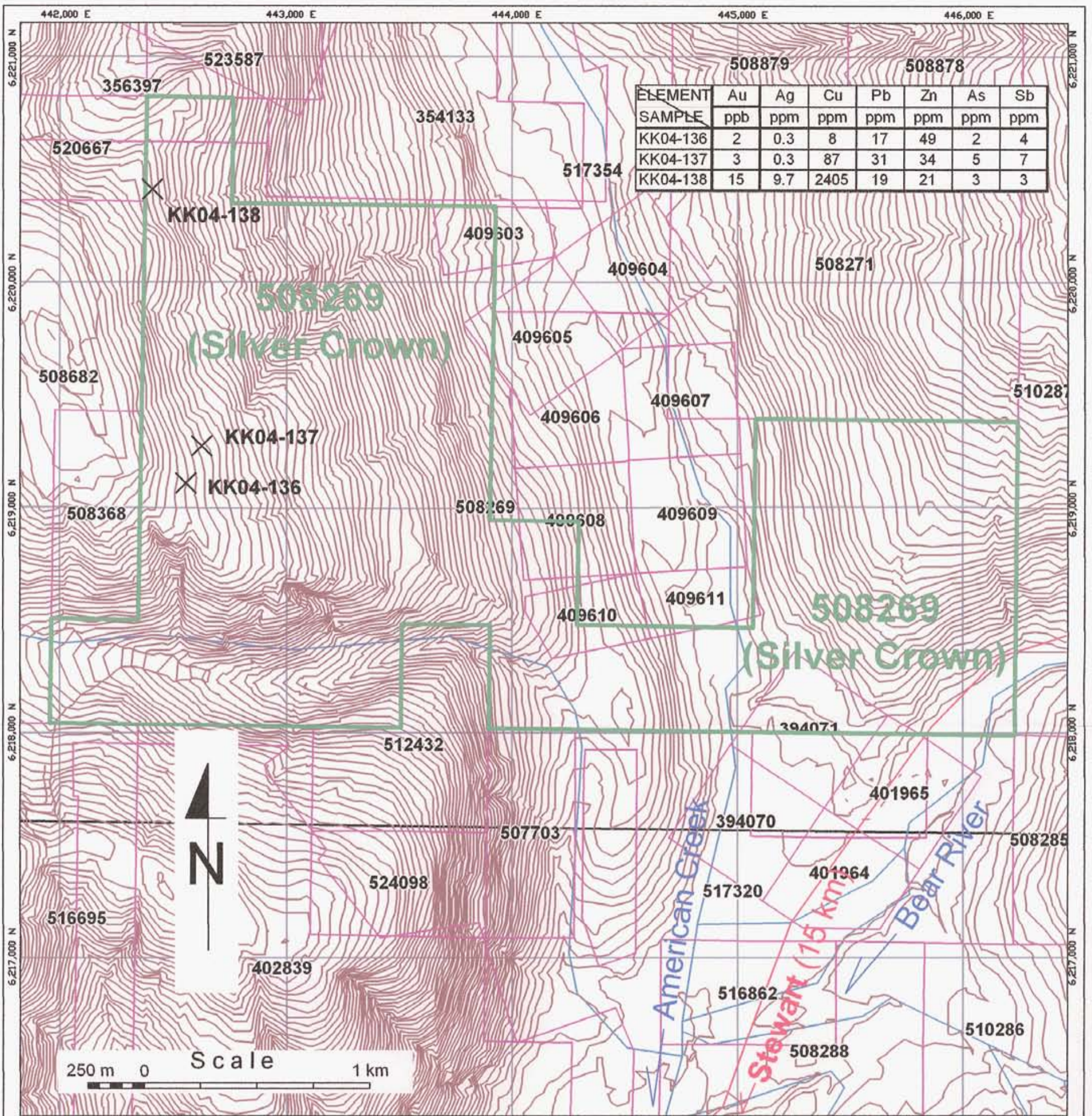
### **a. Introduction**

Reconnaissance rock geochemical samples were taken from a traverse along the western portion of the Silver Crown property, after the original target area could not be accessed. Results from this work are shown on Fig.4.

Altogether 3 samples were taken, all of them of float specimens. Locations for the samples were all fixed using a GPS..

### **b. Treatment of Data**

Geochemical reconnaissance sampling results are presented in this report on Fig. 4, accompanied by an inset table showing gold values in ppb, silver values in ppm, and arsenic, copper, lead, zinc and antimony values in ppm). Although certain samples reported element values in excess of ICP limits, these were not assayed through inadvertence (assaying of all high values is the normal



ELEMENT	Au	Ag	Cu	Pb	Zn	As	Sb
SAMPLE	ppb	ppm	ppm	ppm	ppm	ppm	ppm
KK04-136	2	0.3	8	17	49	2	4
KK04-137	3	0.3	87	31	34	5	7
KK04-138	15	9.7	2405	19	21	3	3

**Legend:**

- KK04-136**  
X Float Sample
- 508269**  
Tenure 508269 - Silver Crown  
(boundaries of the converted claim)
- 516862**  
Other claims
- contours (every 20 m)
- road
- lake, creek

TEUTON RESOURCES CORP.		
<b>TENURE 508269 (Silver Crown)</b>		
<b>Assessment Report</b>		
NTS Nos.: 104 011	Skeena Mining Division	
<b>Sample Location Map</b>		
Claims: 508269	Date: Jan 2006	Fig. 4

Source: MapperWrapper (<http://webmap.em.gov.bc.ca/mapplace/>); modified

procedure for such surveys).

As in other small-scale surveys, a statistical treatment according to standard methods was not deemed practical. In lieu of such treatment, the author has simply chosen anomalous levels by reference to several rock geochemical programs conducted over other properties in the Stewart region over the past ten years. On this basis, anomalous levels are indicated below:

<u>Element</u>	<u>Anomalous Above*</u>
Gold	100 ppb
Silver	3.6 ppm
Arsenic	120 ppm
Copper	200 ppm
Lead	160 ppm
Antimony	100 ppm
Zinc	320 ppm

\* Anomalous ranges will vary greatly according to rock type. For this reason, defining anomalous levels for any particular property based on regional averages is somewhat arbitrary.

### **c. Sample Descriptions**

Appendix 3 lists all sample descriptions along with GPS co-ordinates. Anomalous levels for gold, silver, arsenic, copper, lead, antimony and zinc are highlighted in bold within the table of element values presented as Appendix 4.

### **C. Discussion**

Of the 3 samples taken only one, #KK04-138, a float sample of felsic crystal tuff with minor azurite stain, returned anomalous values: 9.7 ppm silver and 2,405 ppm copper. The sample merits some minor follow-up work.

### **D. Field Procedure and Laboratory Analysis**

Analysis of rock specimens collected during the 2004 program was carried out at the Pioneer Laboratories facility in Richmond, BC.

After standard rock sample preparation, the 30 element Inductively Coupled Argon Plasma analysis was initiated by digesting a 0.5 gm sub-sample from each field specimen with 3ml 3-1-2 HCl-HNO<sub>3</sub>-H<sub>2</sub>O at 95 deg. C for one hour, followed by dilution to 10 ml with water. The Atomic Absorption measurement for ppb tolerance gold was preceded by subjecting 10 gram samples to

standard fire-assay preconcentration techniques to produce silver beads which were subsequently dissolved.

### **E. Conclusions**

The very abbreviated 2004 rock geochem sampling survey over part of the Silver Crown property disclosed one anomalous sample of float. Minor follow-up work to locate the source of the float sample is warranted, in conjunction with a return to other portions of the property to complete the original aim of the 2004 program (which was, unfortunately, precluded by circumstances beyond the control of the geologist).

Respectfully submitted,



K. Mastalerz, Ph.D.



D. Cremonese, P.Eng.  
January 14, 2006

**APPENDIX I - WORK COST STATEMENT**

Field Personnel—Period August, 2004:

K. Konkin, Geologist 1.5 days @ \$400/day	600
Helicopter – Prism Helicopters (Stewart base) One day trip into property, July 20, 2004 0.5 hours total @ \$ 1,098/hr	549
Food 1.5 man-days @\$45/man-day	67
Workman's compensation 2.37% of \$600	14
Project Support Costs (Prorated with other property work*) --Communication (Satellite phones/hand-held radios/ 0.626%* of \$4,201	26
--Travel/Accommodation/Truck Rental 0.626% of \$19,070	119
Assay costs—Pioneer Labs Au geochem + 30 elem. ICP + rock sample prep 3 @ \$19.85/sample	59
Report Costs Report and map preparation, compilation and research K. Mastalerz, Ph.D., 1.0 day @ \$475/day	475
D. Cremonese, P.Eng., 1.0 day @ \$400/day	400
<b>TOTAL.....</b>	<b><u>\$2,309</u></b>

\*Based on ratio of 1.5 field man-days to 239.5 total project field man-days = 0.626%

Amount Claimed Per Statement of Exploration #'s 4020705 (including 30% PAC withdrawal add-on) = \$ 2,720

Please adjust PAC account accordingly.

**APPENDIX II – CERTIFICATES OF QUALIFICATION**

I, Dino M. Cremonese, do hereby certify that:

1. I am a mineral property consultant with an office at #207-675 W. Hastings St., Vancouver, B.C.
2. I am a graduate of the University of British Columbia (B.A.Sc. in metallurgical engineering, 1972, and L.L.B., 1979).
3. I am a Professional Engineer registered with the Association of Professional Engineers of the Province of British Columbia as a resident member, #13876.
4. I have practised my profession since 1979.
5. This report is based upon work carried out on the Silver Crown property, Skeena Mining Division in July of 2004. Reference to field notes and maps made by geologist Ken Konkin, P.Geo., is acknowledged. I have full confidence in the abilities of all samplers used in the 2004 geochemical program and am satisfied that all samples were taken properly and with care.
6. I am a principal of Teuton Resources Corp., owner of the Silver Crown property: this report was prepared solely for satisfying assessment work requirements in accordance with government regulations.

Dated at Vancouver, B.C. this 14th day of January, 2006.



D. Cremonese, P.Eng.

I, Krzysztof Mastalerz, Ph.D., do hereby certify that:

1. I am a geologist with an office at 2005 Bow Drive, Coquitlam, B.C., presently working for Teuton Resources Corp. at 206-675 W. Hastings St., Vancouver, B.C.
2. I am a graduate of the University of Wrocław, Poland, (M.Sc. with Honors in Geology, 1981, and Ph. D. in 1990).
3. I have continuously practised my profession since graduation in 1981 as an academic teacher (University of Wrocław and A. Mickiewicz University at Poznań; 1981-1997), research associate for State Geological Survey of Poland (1993-1995) and independent consulting geologist (in Canada) since 1994.
4. This report is based upon work carried out on the Silver Crown property, Skeena Mining Division in July of 2004. Reference to field notes and maps made by geologist Ken Konkin, P. Geo., is acknowledged. I have full confidence in the abilities of all samplers used in the 2004 geochemical program and am satisfied that all samples were taken properly and with care.

Dated at Vancouver, B.C. this 14<sup>th</sup> day of January, 2006.



## Silver Crown 2004 - Rock Sampling

Sample No.	Coordinates		Sample Type	Description
	Easting	Northing		
KK04-136	442559	6219105	float	strong pervassive lim oxed felsic/ash tuff well siled, vuggy pitted oxed sxs, 1-2cm qtz cavities in str
KK04-137	442630	6219270	float	angular 20 cm sucosic qtz vein, mod lim ox tr ox-ed sxs, minor lim-ox vlts
KK04-138	442447	6220413	float	several pieces of angular float, beige felsic xtl tuff 2-3% qtz-tetrahedrite vlts, mod spotty azurite stain

Explanations: original sample descriptions by K. Konkin, P. Geo.



## Silver Crown 2004 - Rock sampling

ELEMENT	Au	Ag	Cu	Pb	Zn	As	Sb
SAMPLE	ppb	ppm	ppm	ppm	ppm	ppm	ppm
KK04-136	2	0.3	8	17	49	2	4
KK04-137	3	0.3	87	31	34	5	7
KK04-138	15	9.7	2405	19	21	3	3

**APPENDIX III**

**ASSAY CERTIFICATES**

"PIONEER LABORATORIES INC.

#103-2691 VISCOUNT WAY RICHMOND, BC CANADA V6V 2R5

TELEPHONE (604) 231-8165"

""

"G E O C H E M I C A L   A N A L Y S I S   C E R T I F I C A T E"

""

"TEUTON RESOURCES CORP."

"Project: "

"Report No. 2047035"

"Sample Type: Rocks"

"Date: August 04, 2004"

""

"Multi-element ICP Analysis - .500 gram sample is digested with 3 ml of aqua regia,"

"diluted to 10 ml with Water. This leach is partial for Mn, Fe, Ca, P, La, Cr, Mg,"

"Ba, Ti, B, W and limited for Na, K and Al. Detection Limit for Au is 3 ppm."

"\*Au Analysis - 10 gram sample is digested with aqua regia, MIBK extracted,

"and is finished by AA or graphite furnace AA.

""

"" , "

"ELEMENT"	"Mo"	"Cu"	"Pb"	"Zn"	"Ag"	"Ni"	"Co"	"Mn"	"Fe"	"As"	"U"	"Au"	"Th"	"Sr"	"Cd"	"Sb"	"Bi"	"V"	"Ca"	"P"	"La"	"Cr"	"Mg"	"Ba"	"Ti"	"B"	"Al"	"Na"	"K"	"W"	"Au"
"SAMPLE"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"%"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"ppm"	"%"	"%"	"ppm"	"ppm"	"%"	"ppm"	"%"	"ppm"	"%"	"%"	"%"	"ppm"	"ppb"
"KK04-136"	2	8	17	49	3	2	2	470	1.98	2	8	"ND"	6	9	5	4	3	3	13	.029	35	35	.02	176	.01	3	.37	.05	.24	2	2
"KK04-137"	7	87	31	34	3	8	3	431	.99	5	8	"ND"	2	4	5	7	3	7	.09	.006	4	136	.05	93	.01	4	.15	.01	.08	2	3
"KK04-138"	4	2405	19	21	9.7	3	5	286	.64	3	9	"ND"	2	79	5	3	3	215	.71	.062	8	94	.26	392	.08	3	.65	.02	.16	2	15