

**GEOLOGICAL MAPPING AND SAMPLING REPORT**

on the

**GHOST PROPERTY**

**Tenure No. 405663**

**Revelstoke Mining Division**

**NTS: 82K/13W, 82L/16E**

**B.C. Geographic System Map Sheet: 082K.091, 082L.100**

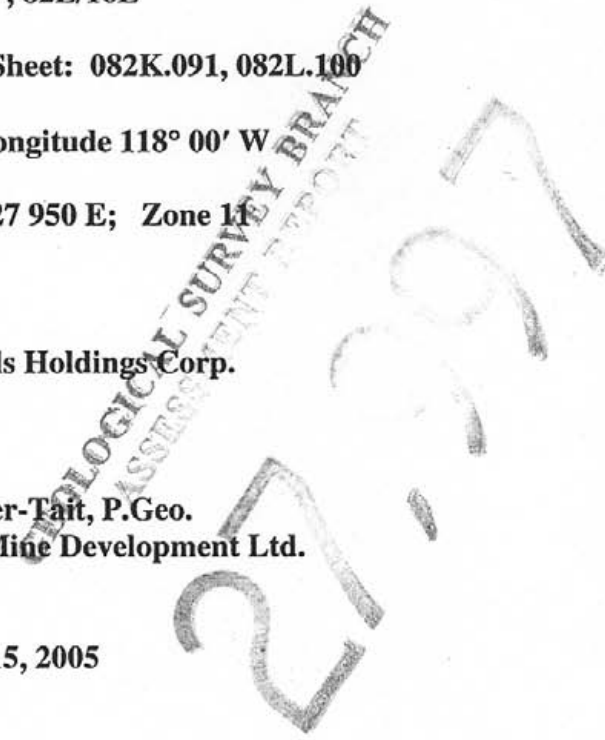
**Latitude: 50° 55' N; Longitude 118° 00' W**

**UTM: 5 681 900 N; 427 950 E; Zone 11**

**Owner: Selkirk Metals Holdings Corp.**

**Author: Jim Miller-Tait, P.Geo.  
Sikanni Mine Development Ltd.**

**December 15, 2005**



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## **SECTION A: REPORT**

### **INTRODUCTION:**

Selkirk Metals Holdings Corp. ("Selkirk" or the "Company") holds a 100% interest in the Ghost Property (Tenure Nos. 405663, 405664, 513132 and 513133) that covers the Ghost Peak base metal showing. This report documents a geological mapping and sampling program that was carried out on the property from August 31 to September 2, 2005. The work was conducted on Tenure No. 405663. Ted Muraro, P.Geo. and Bruce Mawer, both former senior geologists with Cominco Ltd. and familiar with the Ghost Property, completed the program.

### **PROPERTY:**

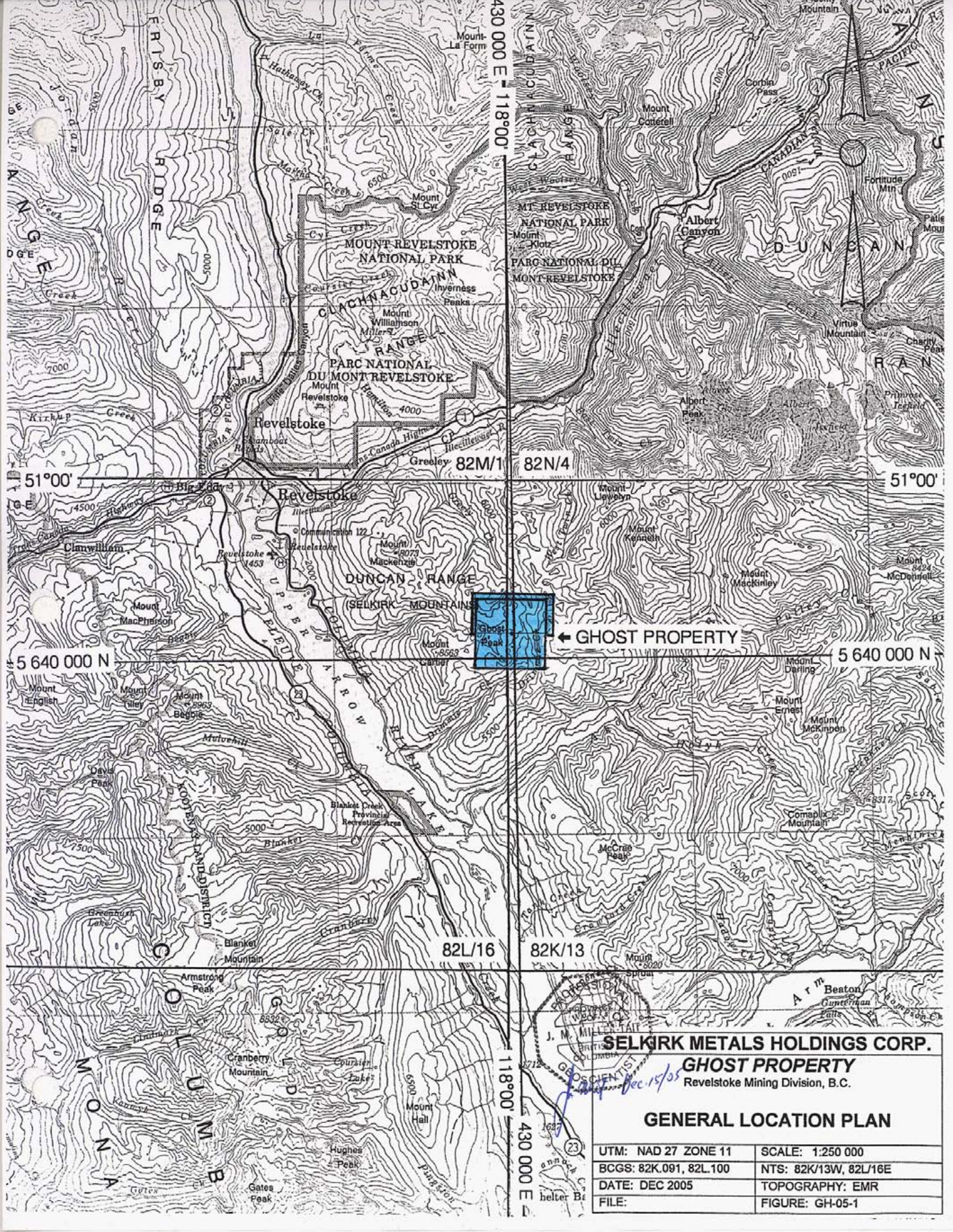
The Ghost Property is comprised of four contiguous mineral claims, two legacy claims totaling 32 claim units and two cell claims containing 50 cells, the aggregate area covered being 1818.4 hectares, all being in the Revelstoke Mining Division. The Property is registered in the name of Selkirk Metals Holdings Corp. Four legacy claims (64 units) were originally staked on October 1, 2003 by Cross Lake Minerals Ltd. but two of the legacy claims were converted to cell claims on May 20, 2005. The Property was assigned to Selkirk in June 2005 as a result of a Plan of Arrangement. The mineral claims are shown on Figure Numbers GH-05-1, GH-05-2 and GH-05-3 and the details of the mineral claims that comprise the Property are set out in Section B of this report. The expiry dates shown are based on the Statement of Work filed on September 23, 2005 (Event #4049324) and assume that the work contained in this report will be accepted for assessment purposes. None of the claims have been surveyed.

### **LOCATION AND ACCESS:**

The Ghost Property is located some 16 km southeast of Revelstoke, B.C. in the Revelstoke Mining Division. The claims are situated on NTS map sheet 82K/13W and BCGS map sheets 082K091 and 082L100. Geographic coordinates at the centre of the Property are latitude 50° 55' N; longitude 118° 00' W while the UTM coordinates are 5 641 600 N and 429 950 E in Zone 11, NAD 83. The property is situated at the headwaters of Drimmie Creek which rises on the east slope of Ghost Peak in the Duncan Range of the Selkirk Mountains. The property elevations range from 1600 m to 2500 m above sea level.

The easiest access to the property is by helicopter from Revelstoke, the travel time being about 15 minutes. There is an road at a somewhat lower elevation along the Akolkolex River some 4 km southeast of the property. Access to this road from Revelstoke is southeast along the Columbia River.





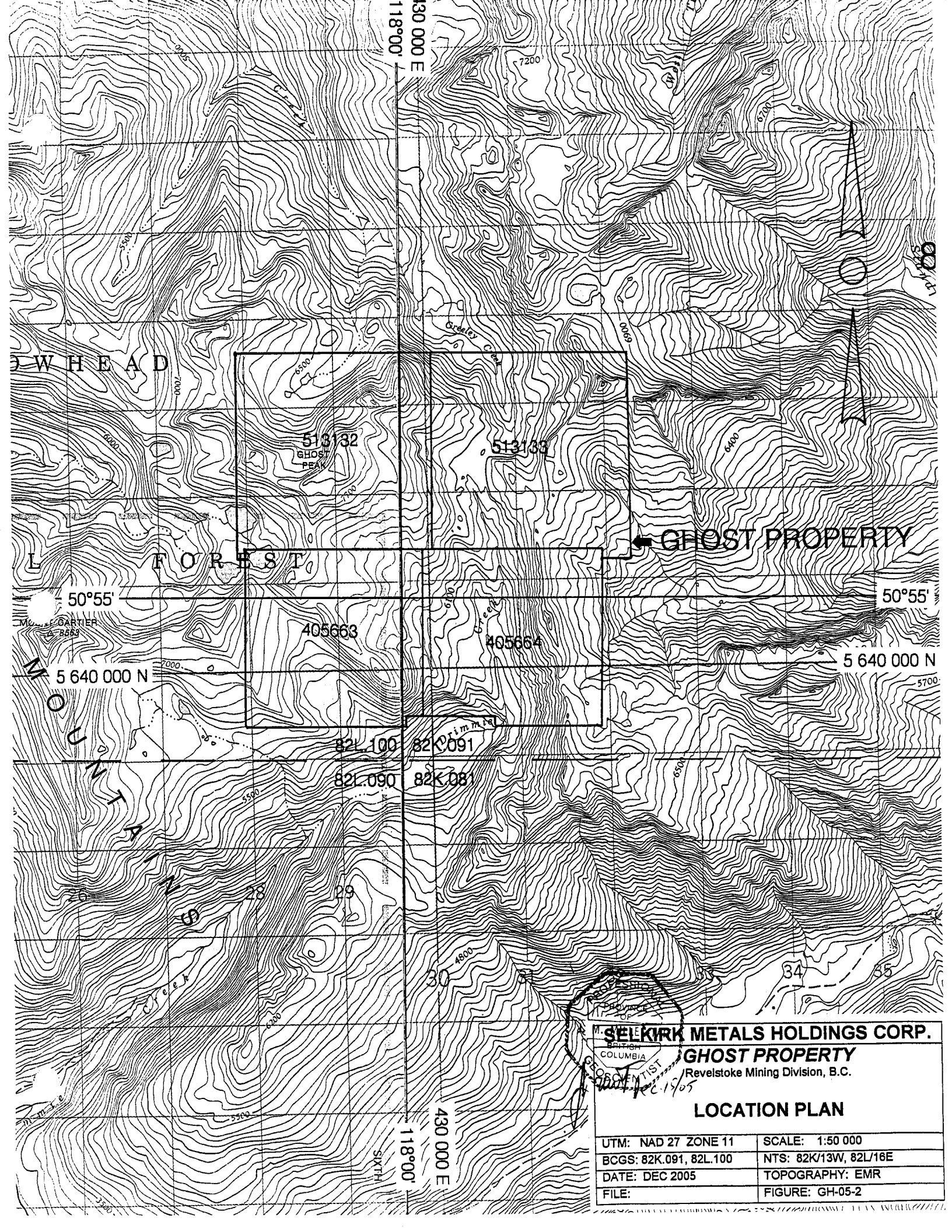
← GHOST PROPERTY

**SELKIRK METALS HOLDINGS CORP.**  
**GHOST PROPERTY**  
 Revelstoke Mining Division, B.C.

**GENERAL LOCATION PLAN**

UTM: NAD 27 ZONE 11	SCALE: 1:250 000
BCGS: 82K.091, 82L.100	NTS: 82K/13W, 82L/16E
DATE: DEC 2005	TOPOGRAPHY: EMR
FILE:	FIGURE: GH-05-1



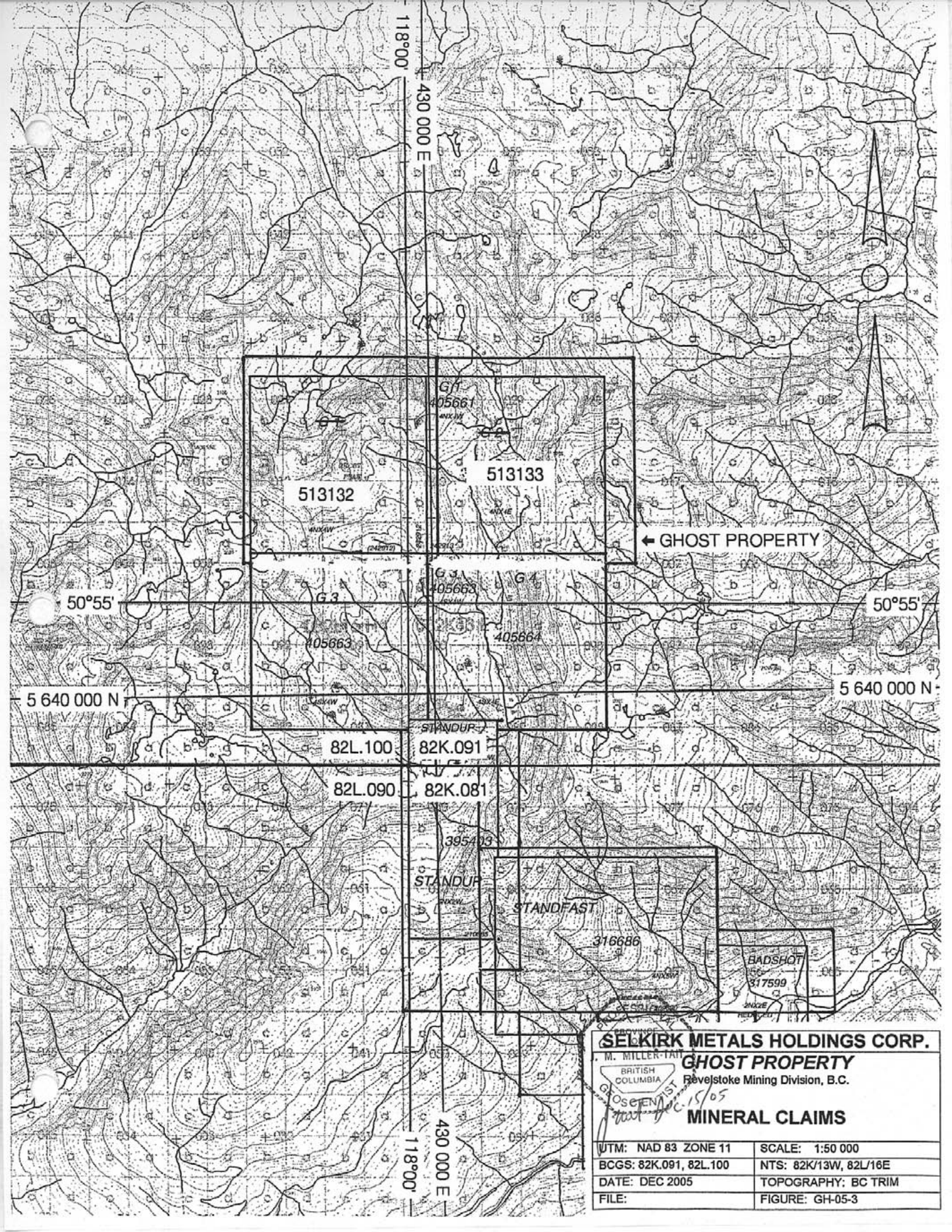


**SELKIRK METALS HOLDINGS CORP.**  
 COLUMBIA  
**GHOST PROPERTY**  
 (Revelstoke Mining Division, B.C.)

**LOCATION PLAN**

UTM: NAD 27 ZONE 11	SCALE: 1:50 000
BCGS: 82K.091, 82L.100	NTS: 82K/13W, 82L/16E
DATE: DEC 2005	TOPOGRAPHY: EMR
FILE:	FIGURE: GH-05-2





← GHOST PROPERTY

**SELKIRK METALS HOLDINGS CORP.**

M. MILLER-TAIT  
 BRITISH COLUMBIA  
 REVELSTOKE MINING DIVISION, B.C.

**GHOST PROPERTY**  
 REVELSTOKE MINING DIVISION, B.C.  
 OSEENIST  
 15/05  
**MINERAL CLAIMS**

UTM: NAD 83 ZONE 11	SCALE: 1:50 000
BCGS: 82K.091, 82L.100	NTS: 82K/13W, 82L/16E
DATE: DEC 2005	TOPOGRAPHY: BC TRIM
FILE:	FIGURE: GH-05-3

**CLIMATE, TOPOGRAPHY AND VEGETATION:**

Warm summers and moderately cold winters with heavy snowfall characterize the climate of the area. The property ranges in elevation from 1600 m on the southern boundary of the claims in the Drimmie Creek drainage to 2500 m on an unnamed mountain immediately west of Ghost Peak. Most of the property is in high alpine and sub-alpine terrain. Some slopes are very steep and certain areas are inaccessible due to cliffs. There is scrub underbrush and grasses at the higher elevations as most of the property is above tree line.

**HISTORY:**

Cominco Ltd. staked the Ghost Peak Property in 1998 following the discovery of a new Zn/Pb sulphide occurrence. In September 1998 and September 1999 Cominco carried out programs of geological mapping and rock and soil geochemical sampling but the claims were allowed to expire in 2000.

Cross Lake Minerals Ltd. staked four 16 unit mineral claims in October 2003 covering the known mineralization and prospective terrain.

**REGIONAL GEOLOGY:**

The Ghost Property is located in the northern part of the Kootenay arc, a 10 to 50 km wide , 400 km long arc-shaped belt of rocks that extends from 50 km south of the US border to 100 km north of Revelstoke. Several small to medium size Zn-Pb-Ag deposits, some of which have been mined, as well as numerous showings are scattered along the length of the arc. The Cambrian Badshot Formation, a 50 to 100 m thick limestone that is now a marble in most areas, extends almost the entire length of the arc, and is host to most of the larger deposits. Throughout the arc, the Badshot Formation is repeated in several isoclinal folds, some of which are recumbent.

The Remac, Jersey and HB deposits near Salmo, B.C. close to the US border, Duncan, in the middle of the arc and Wigwam, to the north, are stratabound. Because of association with major faults, several geologists support a synsedimentary or early, strata controlled, carbonate replacement (CRD) origin for these deposits. Bluebell, between Salmo and Duncan, is in the Badshot and is a member of a group of Eocene vein/CRD deposits hosted in rocks as young as Triassic. The Goldstream deposit, near the north end of the arc, has several characteristics of volcanogenic massive sulphide (VMS) deposits.



**PROPERTY GEOLOGY:**

The western half of the Ghost Property is underlain by the Cambrian-aged Badshot Formation and the eastern half is predominantly underlain by the younger Index Formation. The Badshot Formation consists of white to grey limestone and the overlying Index Formation is grey and black phyllite and slate. The north-south trending Standfast Creek fault crosses the western portion of the claims and the mineralization

A southeasterly plunging alpine draw to the west of Drimmie Creek offers extensive exposure of Badshot silica rock and carbonate which may be doubled by folding, thus creating a large apparent thickness of this unit. The carbonates, with varying amounts of silica, exposed on the ridge form a broad anticline dipping shallowly east and west and plunging from 10° to 20° southeast. Disseminated and banded, fine-grained, tan-colored sphalerite and galena is widespread in the mixture of carbonate and silica. Iron sulphide is not abundant enough to create obvious gossans. In areas the sulphides have been leached from the carbonate/siliceous host to a depth of approximately 2-3 cm so care must be taken when sampling to collect unoxidized material.

**ROCK SAMPLING:**

Samples were collected by using a rock hammer and moil to collect a representative sample perpendicular to strike and across the dip, or grab samples representative of the area. Samples were placed in individually marked plastic sample bags and transported to Acme Analytical Laboratories of Vancouver for analysis. The following table summarizes the samples collected and the analytical reports are appended in Section D:

<b>2005 Rock Sample Results</b>				
<b>Sample Number</b>	<b>Sample Description</b>	<b>Pb (%)</b>	<b>Zn (%)</b>	<b>Ag (ppm)</b>
178106	Width=1.4 metres rock chip channel sample.	1.18	0.74	7.1
178107	Width=0.8 metres, channel sample, Sph/Ga.	0.23	1.59	2.3
178108	Grab sample of Lmst with Sph/Ga.	0.04	8.19	0.3
178109	Diss. Sph/ga in dolomite breccia	2.78	3.06	27.3
178110	Ga/Sph grab in lmst.	4.62	2.38	91.4
178111	Tan Sph/Ga in dolomitic lmst.	1.82	6.83	1.8
178112	Grab of Ga/Sph @ station GP-8-31-4	17.58	5.03	31.0



The sample locations are plotted on Figure No. GH-05-6.

**CONCLUSIONS:**

The Badshot Formation in the area west of the Drimmie Creek headwaters contains significant zinc-lead – silver mineralization consisting of disseminated and bands of fine grained tan-coloured sphalerite and galena. The oxidized areas contain low values in base metals due to leaching but the sulphide mineralization contains values of interest.

**RECOMMENDATIONS:**

The property should be geologically mapped and rock sampled starting from the known mineralization with focus on the structure of the Badshot limestone prospective host. Due to the flat-lying nature of the mineralization short diamond drill holes should be drilled to test the thickness of the unit after the geological mapping is completed.

Respectfully submitted,

  
  
Jim Miller-Tait, P. Geo.

**LIST OF REFERENCES:**

**Fyles, J.T. (1964):** Geology of the Duncan Lake Area, B.C. Department of Mines and Petroleum Resources, Bulletin 49

**McMillan, W.J., Hoy, T., MacIntyre, D.G., Nelson, J.L., Nixon, G.T., Hammack, J.L., Panteleyev, A., Ray, G.E., and Webster, I.C.L. (1991):** Ore deposits, Tectonics and Metallogeny in the Canadian Cordillera, B.C. Ministry of Energy, Mines and Petroleum Resources, Paper 1991-4

**Ransom, P.W. (1999):** Rock and Soil Geochemistry Report on the Ghost Peak Property; for Cominco Ltd.; NTS 82K/13W and 82L/16E; B.C. Assessment Report #26077

**Thompson, R.I. (1978):** Geology of the Akolkolex River Area, B.C. Ministry of Energy, Mines and Petroleum Resources, Bulletin 60



**STATEMENT OF QUALIFICATIONS:**

For: Jim Miller-Tait of 828 Whitchurch Street, North Vancouver, B.C. V7L 2A4

I graduated from the University of British Columbia with a Bachelor of Sciences Degree in Geology (1987);

I have been practicing my profession as a geologist in mineral exploration and mining continuously since 1987;

I am a fellow in good standing with the Geological Association of Canada;

I am a registered member in good standing as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of British Columbia;

The observations, conclusions and recommendations contained in the report are based on field examinations, personal sampling and the evaluation of results of the exploration program completed by the operator of the property.

  
*J. Miller-Tait*  
Jim Miller-Tait, P. Geoscientist Dec. 15/05

**SECTION B: PROPERTY**

<b>GHOST PROPERTY</b>			<b>SCHEDULE OF MINERAL CLAIMS</b>			
PROVINCE: British Columbia			CLAIMS: 4	UNITS: 82	AREA: 1818.398 ha	
MINING DIVISION: Revelstoke			NTS: 82K/13W, 82L/16E		BCGS: 82K091, 82L100	
LOCATION: 16 km southeast of Revelstoke on the east side of Ghost Peak and on the upper reaches of Drimmie Creek			LATITUDE: 50° 55.3'		LONGITUDE: 117° 59.7'	
			UTM: NAD 83	ZONE 11	5 641 600 N	429 950 E
MAP			PROPERTY INTEREST:			
1:250 000	82K Lardeau	Selkirk Metals Holding Corp. - 100%				
1:250 000	82L Vernon					
1:50 000	82K/13 Camborne					
1:50 000	82L/16 Revelstoke					
1:20 000	82K.091 Mount Kenneth					
1:20 000	82L.100 Mount Mackenzie					
<b>AGREEMENT SUMMARY:</b>						
October 10, 2003: Letter Agreement between Cross Lake Minerals Ltd. and Gold Giant Ventures Inc. whereby a 50:50 joint venture was constituted.						
Dec 8, 2003: Cross Lake acquired Gold Giant's 50% interest following a Plan of Arrangement between Cross Lake and Gold Giant.						
June 16, 2005: Assignment Agreement between Cross Lake Minerals Ltd. and Selkirk Metals Holdings Corp. whereby Cross Lake assigned a 100% interest in the Ghost Property to Selkirk.						

<b>CLAIM SUMMARY</b>							
CLAIM NAME	TENURE NUMBER	CELLS/ UNITS	GROSS AREA (hectares)	RECORD DATE (yyyy-mm-dd)	GOOD TO DATE (yyyy-mm-dd)	ANNUAL WORK \$	RECORDED OWNER / REMARKS
<b>Legacy Claims:</b>		<b>Units</b>					
G 1	405661	16	400.000	2003-10-01	2005-10-01	1600.00	Converted to 513132
G 2	405662	16	400.000	2003-10-01	2005-10-01	1600.00	Converted to 513133
G 3	405663	16	400.000	2003-10-01	2007-10-01	3200.00	Selkirk Metals Holdings Corp.
G 4	405664	16	400.000	2003-10-01	2007-10-01	3200.00	"
<b>Cell Claims:</b>		<b>Cells</b>					
-	513132	25	509.200	2005-05-20	2007-10-01	2036.80	"
-	513133	25	509.198	2005-05-20	2007-10-01	2036.79	"
<b>4 claims</b>		<b>82</b>	<b>1818.398</b>			<b>10473.59</b>	

<b>CLAIM BOUNDARY COORDINATES</b>		<b>UTM: NAD 83, ZONE 11</b>		
Property Corner No.	Cell ID	Cell Corner	Easting	Northing
1	082K13L028D	NE	432 297.461	5 643 773.554
2	082K13L008D	SE	432 267.249	5 641 456.853
3				
4				
5				
6				
7				
8				
9				
10				
11	082L16I002C	SW	427 874.137	5 641 515.959
12	082L16I022C	NW	427 906.317	5 643 832.643



Property corners are numbered in a sequence starting at the NE corner of the property and proceeding in a clockwise direction.

<b>ASSESSMENT WORK SUMMARY</b>							
<b>Date of Filing (yyyy-mm-dd)</b>	<b>Work Filed \$</b>	<b>New Work Applied \$</b>	<b>PAC Credits Applied</b>	<b>PAC Credits Saved</b>	<b>Total PAC Credits</b>	<b>Date of Approval (yyyy-mm-dd)</b>	<b>Event Number</b>
2003-10-09	6400.00	6400.00	GPS Credits				320998
2005-09-23	10380.00	10380.00	1589.11	-	-		4049324

**SECTION C: EXPENDITURES (2005 – Phase 1)**

<b>Item</b>	<b>Work Performed</b>	<b>Quantities / Rates</b>	<b>Amount</b>
Consulting Geologist: Ted Muraro, P.Geo,	Geological review, mapping and sampling during the period from Aug 25 to Sep 2, 2005	5 days @ \$450.00	2,250.00
Consulting Geologist: Bruce Mawer	Geological review, mapping and sampling during the period from Aug 25 to Sep 2, 2005	6 days @ \$400.00	2,400.00
Transportation: Vancouver to Revelstoke and return	One 4x4 pickup truck Fuel for vehicle	5 days @ \$75.00	375.00 <u>261.84</u> 636.84
Accommodation and Meals	2 persons during the period from Aug 25 to Sep 2, 2005		651.45
Field Supplies: Commercial Solutions	Field equipment and sampling supplies		100.00
Transportation: Selkirk Mountain Helicopters Ltd.	Bell 206LR; Aug 30-Sep 01: Daily transport of field crew and equipment from Revelstoke to property and return.	2.4 hours plus fuel \$1,288.58	3,092.60
Analytical Services: Acme Analytical Laboratories Ltd.	ICP-MS 36 element analyses plus Pb-Zn overlimits	7 samples	116.80 <u>58.03</u> 174.83
Drafting: Mike Davies	Base map and geological map	4.0 hours @ \$60.00	240.00
Report Preparation: Jim Miller-Tait, P.Geo.	Data analysis and report preparation	2 days @ \$450.00	900.00
Printing:	Map reproduction		50.00
<b>Total</b>			<b>\$10,495.72</b>

**Expenditure Apportionment:**

<b>Claim Tenure</b>	<b>Work</b>	<b>% of Total</b>	<b>Expenditure</b>
405663	Geological mapping and sampling	100%	<b>\$10,495.72</b>
405664	-	-	-
513132	-	-	-
513133	-	-	-
<b>Total</b>		<b>100%</b>	<b>\$10,495.72</b>



**SECTION D: ANALYTICAL RESULTS**

1. Analyses carried out by Acme Analytical Laboratories Ltd. of Vancouver, B.C.

- Certificate of Analysis #A506145 dated October 19, 2005
- Certificate of Analysis #A506145R dated November 25, 2005
- Statement of Analytical Procedures: Group 1DX and 7AR



GEOCHEMICAL ANALYSIS CERTIFICATE



Selkirk Metals Holdings Ltd. PROJECT Ruddock File # A506145

DEC 09 2005

1255 W. Pender St., Vancouver BC V6E 2V1 Submitted by: Jim Miller-Tait

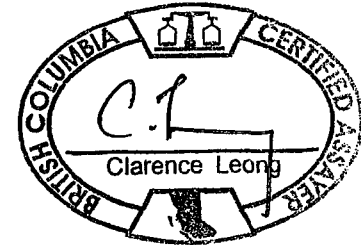
SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Hg ppm	Sc ppm	Tl ppm	S %	Ga ppm	Se ppm
E178106	1.2	1.4	>10000	7172	7.1	2.8	.1	267	5.49	28.0	6.3	.8	.1	258	34.1	12.3	.1	5	18.69	.285	4	2.5	6.28	40	.002	1	.05	.005	.04	<.1	.93	.5	.6	6.09	1	14.2
E178107	2.8	1.0	2144.4	>10000	2.3	4.2	.1	297	2.45	8.1	6.4	1.3	.1	420	64.9	2.4	3.0	7	21.19	.160	3	2.7	8.12	91	.001	1	.05	.003	.06	.1	.61	.5	.5	2.58	1	2.6
E178108	14.1	5.3	454.0	>10000	.3	5.0	.1	189	1.88	4.8	1.5	1.3	.1	22	273.6	.2	.2	13	1.22	.032	<1	7.4	.62	47	.002	<1	.06	.001	.01	.1	1.26	.8	.1	3.16	3	<.5
E178109	3.9	3.3	>10000	>10000	27.3	5.3	.3	234	10.33	44.0	9.0	1.4	.1	405	143.4	44.2	1.3	3	15.90	.250	3	2.3	3.98	18	.001	<1	.03	.002	.03	.1	2.48	.4	2.6	>10	2	39.5
E178110	2.2	3.9	>10000	>10000	91.4	2.8	.3	399	1.65	5.5	12.3	3.8	.1	297	105.1	40.3	177.1	9	20.18	.355	3	3.8	9.72	195	.002	<1	.06	.002	.06	.1	1.27	.4	.7	2.06	1	62.8
E178111	29.9	4.7	>10000	>10000	1.8	2.7	.1	145	.83	9.5	.6	1.3	<.1	26	167.8	4.7	2.3	8	2.18	.013	<1	4.7	.90	38	.001	<1	.04	.002	.03	.1	1.22	.3	2.1	3.21	1	.6
E178112	1.3	2.8	>10000	>10000	31.0	2.3	.2	87	.50	3.3	1.0	7.2	.1	89	165.9	40.9	4.9	3	9.23	.023	1	3.4	.20	61	.002	1614	.08	.102	.03	.1	.57	6.4	.6	3.72	1	3.1
STANDARD DS6	11.4	121.3	30.1	141	.3	24.2	10.5	698	2.79	20.8	6.7	47.0	3.0	41	5.9	3.5	5.1	55	.84	.077	14	187.0	.57	161	.081	16	1.88	.073	.15	3.4	.22	3.2	1.7	<.05	6	4.5

GROUP 1DX - 15.00 GM SAMPLE LEACHED WITH 90 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 300 ML, ANALYSED BY ICP-MS.  
(>) CONCENTRATION EXCEEDS UPPER LIMITS. SOME MINERALS MAY BE PARTIALLY ATTACKED. REFRACTORY AND GRAPHITIC SAMPLES CAN LIMIT AU SOLUBILITY.  
- SAMPLE TYPE: ROCK R150

Data 1 FA     

DATE RECEIVED: OCT 5 2005

DATE REPORT MAILED: Oct 19/05





ASSAY CERTIFICATE



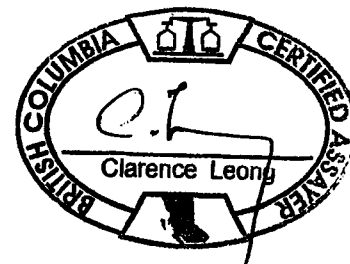
Selkirk Metals Holdings Ltd. PROJECT Ruddock File # A506145R  
1255 W. Pender St., Vancouver BC V6E 2V1 Submitted by: Jim Miller-Tait

SAMPLE#	Pb %	Zn %
G-1	<.01	<.01
E178106	1.18	.74
E178107	.23	1.59
E178108	.04	8.19
E178109	2.78	3.06
E178110	4.62	2.38
E178111	1.82	6.83
E178112	17.58	5.03
STANDARD GC-2a	8.97	16.58

GROUP 7AR - 1.000 GM SAMPLE, AQUA - REGIA (HCL-HNO3-H2O) DIGESTION TO 250 ML, ANALYSED BY ICP-ES.  
- SAMPLE TYPE: Rock Pulp

Data by FA \_\_\_\_\_

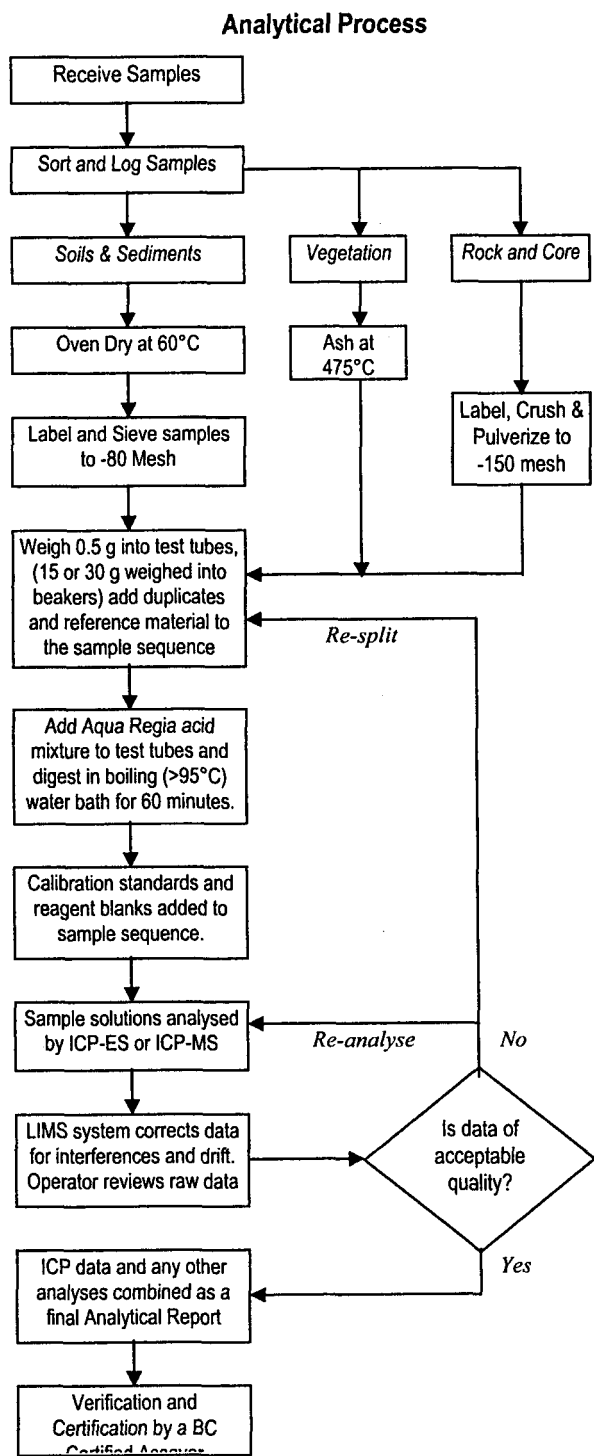
DATE RECEIVED: NOV 9 2005 DATE REPORT MAILED: Nov 25/05







## METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 1D & 1DX – ICP & ICP-MS ANALYSIS – AQUA REGIA



### Comments

#### Sample Preparation

All samples are dried at 60°C. Soil and sediment are sieved to -80 mesh (-177 µm). Moss-mats are disaggregated then sieved to yield -80 mesh sediment. Vegetation is pulverized or ashed (475°C). Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g riffle split is then pulverized to 95% passing 150 mesh (100 µm) in a mild-steel ring-and-puck mill. Pulp splits of 0.5 g are weighed into test tubes, 15 and 30 g splits are weighed into beakers.

#### Sample Digestion

A modified Aqua Regia solution of equal parts concentrated ACS grade HCl and HNO<sub>3</sub> and de-mineralised H<sub>2</sub>O is added to each sample to leach for one hour in a hot water bath (>95°C). After cooling the solution is made up to final volume with 5% HCl. Sample weight to solution volume is 1 g per 20 mL.

#### Sample Analysis

**Group 1D:** solutions aspirated into a Jarrel Ash AtomComp 800 or 975 ICP emission spectrometer are analysed for 30 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, Ti, U, V, W, Zn.

**Group 1DX:** solutions aspirated into a Perkin Elmer Elan6000 ICP mass spectrometer are analysed for 36 elements: Ag, Al, As, Au, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Hg, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Se, Ti, Sr, Th, Ti, U, V, W, Zn.

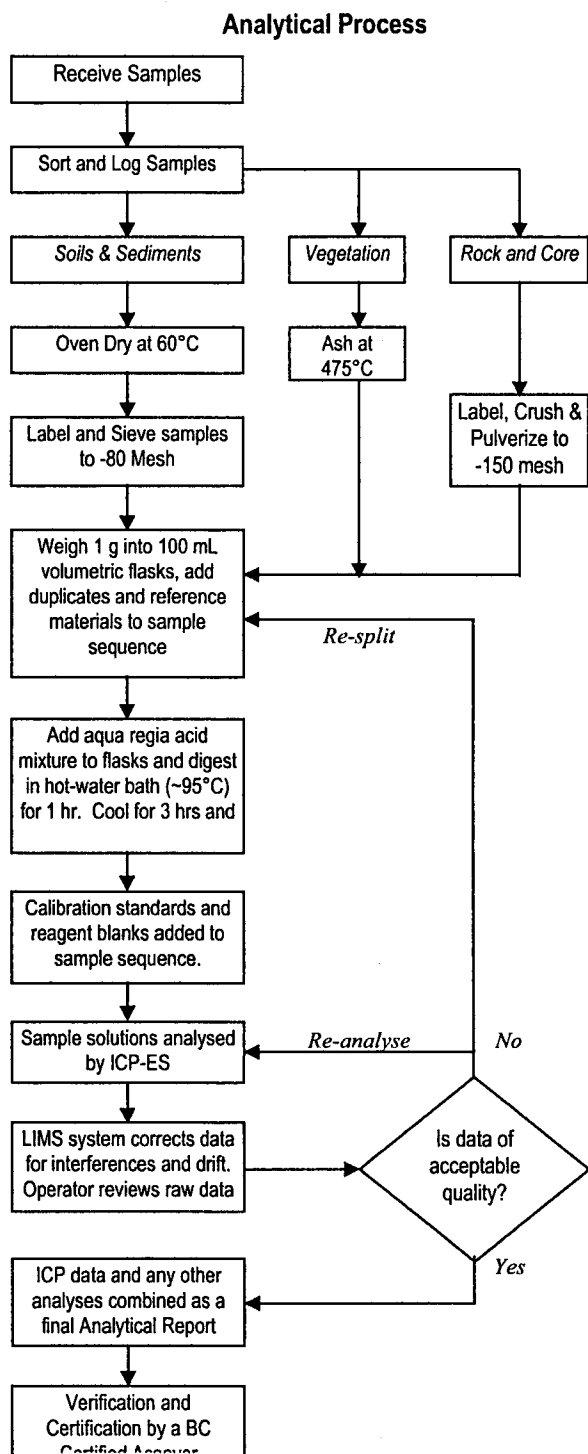
#### Quality Control and Data Verification

An Analytical Batch (1 page) comprises 34 samples. QA/QC protocol incorporates a sample-prep blank (SI or G-1) carried through all stages of preparation and analysis as the first sample, a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill core only), two reagent blanks to measure background and aliquots of in-house Standard Reference Materials like STD DS5 to monitor accuracy.

Raw and final data undergo a final verification by a British Columbia Certified Assayer who signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Leo Arciaga, Marcus Lau, Ken Kwok, Dean Toye and Jacky Wang.



## METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 7AR – MULTI-ELEMENT ASSAY BY ICP-ES • AQUA REGIA DIGESTION



### Comments

#### Sample Preparation

All samples are dried at 60°C. Soil and sediment are sieved to -80 mesh (-177 µm). Moss-mats are disaggregated then sieved to yield -80 mesh sediment. Vegetation is pulverized or ashed (475°C). Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g riffle split is then pulverized to 95% passing 150 mesh (100 µm) in a mild-steel ring-and-puck mill. Pulp splits of 1 g are weighed into 100 mL volumetric flasks.

#### Sample Digestion

A 30 mL aliquot of modified aqua regia solution (equal parts ACS-grade HCl and HNO<sub>3</sub> acids and de-mineralized H<sub>2</sub>O) is added and heated in a hot water bath (~95°C) for 1 hour. After cooling for 3 hours the solutions are transferred to 100 mL volumetric flasks and made to volume with 5% HCl. Very high grade samples may require a 1 g per 250 mL or 0.25 g per 250 mL sample to solution ratio for through digestion and accurate determination.

#### Sample Analysis

Solutions aspirated into a Jarrel Ash Atomcomp model 800 or 975 ICP atomic-emission spectrometer are analysed for a 23 element package comprising: Ag, Al, As, Bi, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, W and Zn.

#### Quality Control and Data Verification

An Analytical Batch (1 page) comprises 33 samples. QA/QC protocol incorporates a sample-prep blank (SI or G-1) carried through all stages of preparation and analysis as the first sample, a pulp duplicate to monitor analytical precision, a prep duplicate from the -10 mesh rejects to monitor sub-sampling variation (drill core only), two reagent blanks to measure background and aliquots of in-house Standard Reference Materials like STD R-2 to monitor accuracy.

Raw and final data undergo a final verification by a British Columbia Certified Assayer who signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Leo Arciaga, Ken Kwok, Marcus Lau, Dean Toye and Jacky Wang.

**SECTION E: ILLUSTRATIONS**

<b>Plan Number</b>	<b>Title</b>	<b>Scale</b>
GH-05-1 (after p.3)	General Location Plan	1:250 000
GH-05-2 (after p.3)	Location Plan	1:50 000
GH-05-3 (after p.3)	Mineral Claims	1:50 000
GH-05-4 (in pocket)	Regional Geology	1:50 000
GH-05-5 (in pocket)	Topography	1:10 000
GH-05-6 (in pocket)	2005 Sampling and Mapping	1:2 000



FIGURE 1

GEOLOGICAL MAP OF THE AKOLKOLEX RIVER AREA

GEOLOGY BY R. I. THOMPSON  
1969-1970

LEGEND

LOWER PALEOZOIC

STRATIGRAPHIC SEQUENCE UNKNOWN

GEOLOGIC CONTACTS

FAULTS

PLANAR ELEMENTS

LINEAR ELEMENTS

MINERAL LINEATION

TRACE OF AXIAL PLANE OF MAJOR TYPE 1 FOLDS

FOSSIL LOCALITY

ROAD, SIDE ROAD

LANDSLIDE

UPPER STRUCTURAL LEVEL (FORMAL ROCK UNITS)

LARDEAU GROUP

BROADVIEW FORMATION

**Bv** GREY PHYLLITE, ARKOSE, GRIT

INDEX FORMATION

**Ein** GREY AND BLACK PHYLLITE AND SLATE, MINOR LIMESTONE AND QUARTZITE

**Einb** GREY QUARTZITE

**Einca** GREENSTONE

BADSHOT FORMATION

**Ebd** GREY AND WHITE CRYSTALLINE LIMESTONE

MOHICAN FORMATION

**Ema** GREY AND BROWN PHYLLITE, MICACEOUS QUARTZITE, MINOR LIMESTONE

HAMILL GROUP

**Eha** BROWN, GREY, AND WHITE QUARTZITE, MICACEOUS QUARTZITE, MINOR PHYLLITE

LOWER STRUCTURAL LEVEL (INFORMAL ROCK UNITS)

UNIT D

**D** GREY, BROWN, AND BLACK SCHIST, MICACEOUS QUARTZITE, MINOR LIMESTONE AND AMPHIBOLITE

**Da** WHITE AND TAN MICACEOUS QUARTZITE

UNIT C

**C** GREY CRYSTALLINE LIMESTONE

UNITS B1, B2, B3, B4

**B1,2,3,4** GREY AND BROWN GARNET-BIOTITE SCHIST, MICACEOUS QUARTZITE, MINOR AMPHIBOLITE

SUBUNITS

**B4a** GREY AND BROWN SCHIST, BLACK PHYLLITE, MINOR LIMESTONE

**B4b** LIMESTONE WITH B4

**B4c** WHITE AND BROWN QUARTZITE

**B4d** AMPHIBOLITE

UNITS A1, A2, A3

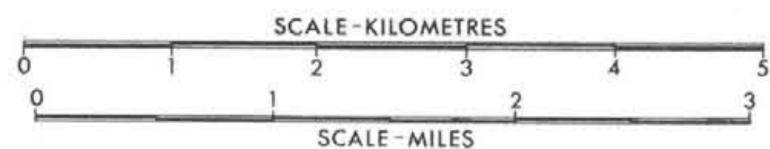
**A1,2,3** GREY, WHITE, AND BROWN QUARTZITE AND MICACEOUS QUARTZITE, MINOR SCHIST AND AMPHIBOLITE

UNIT Gn

**Gn** GREY GRANITOID GNEISS (QUARTZ-FELDSPAR-HORNBLENDE GNEISS)

SYMBOLS

- DEFINED, APPROXIMATE, ASSUMED
- DEFINED, APPROXIMATE (LOW ANGLE TRUNCATION OF MAP UNITS)
- DEFINED, APPROXIMATE (STEEPLY DIPPING)
- SCHISTOSITY, LITHOLOGIC LAYERING
- AXIAL PLANE OF FOLD
- AXIAL ORIENTATION OF TYPE 1 (RECUMBENT ISOCLINAL) FOLD
- AXIAL ORIENTATION OF TYPE 2 (UPRIGHT MORE-OPEN) FOLD
- AXIAL ORIENTATION OF TYPE 3 (CRENULATION) FOLD
- MINERAL LINEATION
- TRACE OF AXIAL PLANE OF MAJOR TYPE 1 FOLDS
- LINE OF SECTION
- PROSPECT
- ADIT
- ROAD, SIDE ROAD
- LANDSLIDE



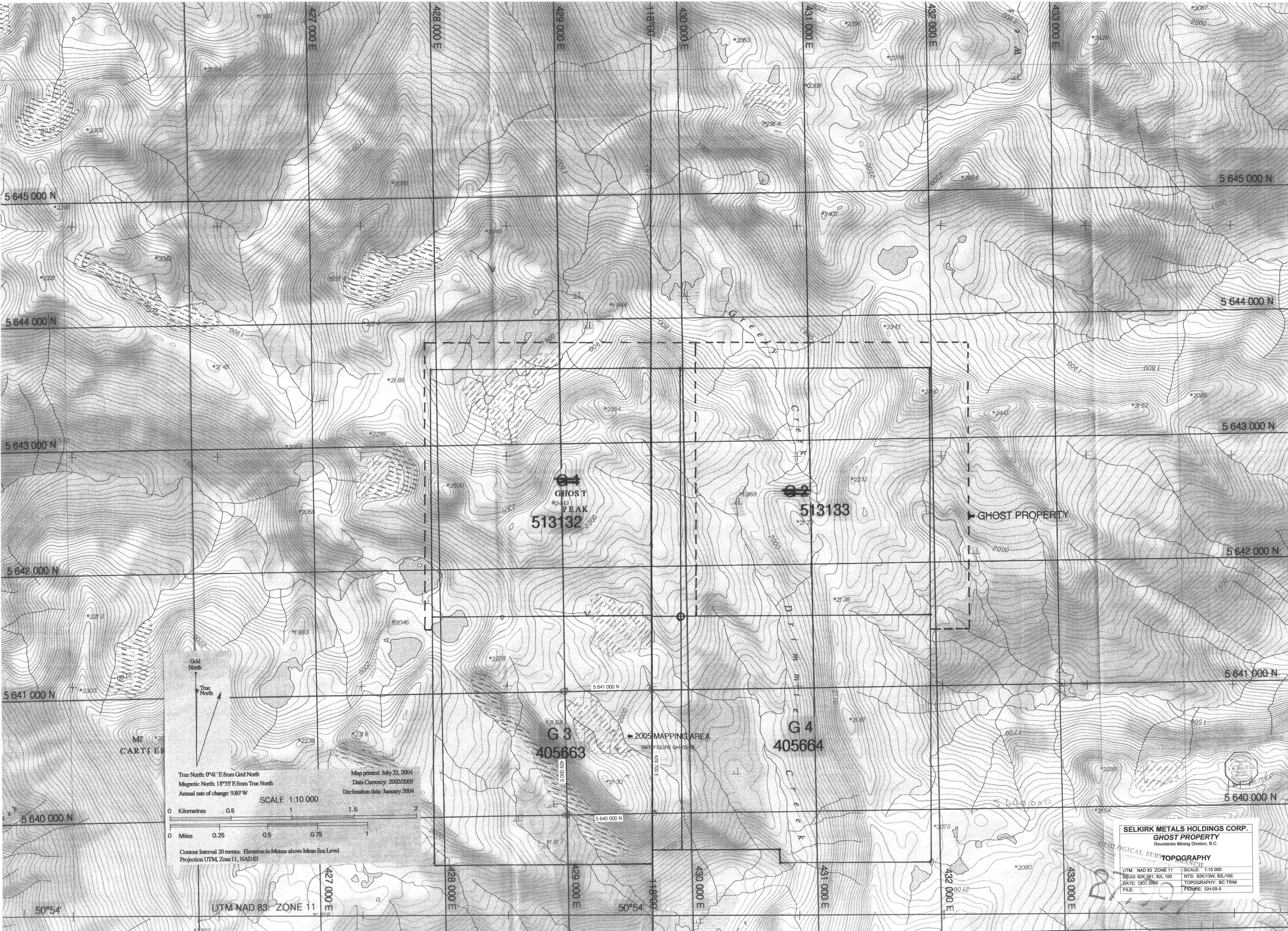
Province of British Columbia  
Ministry of Mines and Petroleum Resources



**SELKIRK METALS HOLDINGS CORP.**  
**GHOST PROPERTY**  
Revelstoke Mining Division, B.C.  
**REGIONAL GEOLOGY**  
(from B.C. Bulletin 60, Thompson 1978)

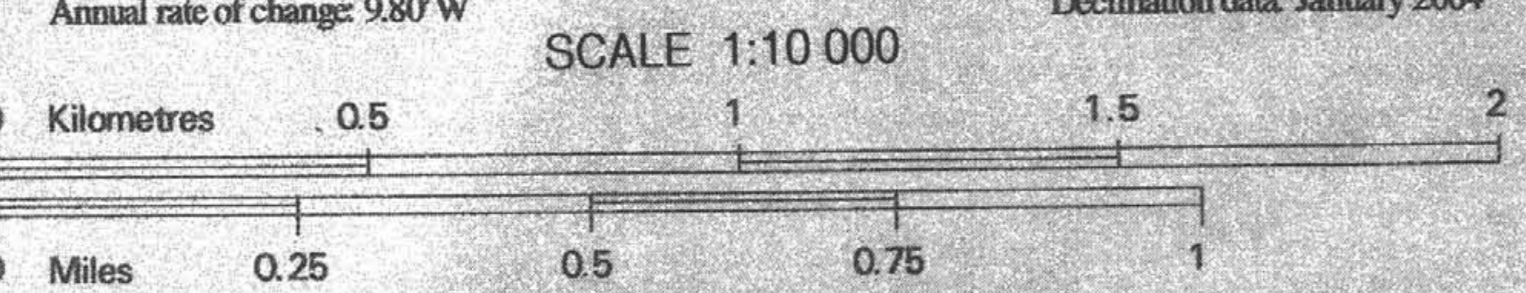
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BCGS: 82K.091, 82L.100	NTS: 82K/13W, 82L/16E
DATE: DEC 2005	TOPOGRAPHY: EMR
FILE:	FIGURE: GH-05-4





True North: 0°41' E from Grid North  
 Magnetic North: 18°35' E from True North  
 Annual rate of change: 9.80' W

Map printed: July 22, 2004  
 Data Currency: 2002/2003  
 Declination date: January 2004



Contour Interval 20 metres. Elevation in Metres above Mean Sea Level  
 Projection UTM, Zone 11, NAD83

**SELKIRK METALS HOLDINGS CORP.**  
**GHOST PROPERTY**  
 Revestoke Mining Division, B.C.

**TOPOGRAPHY**

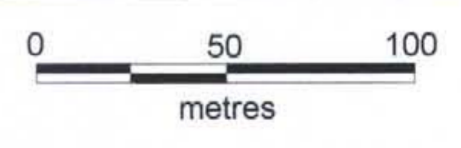
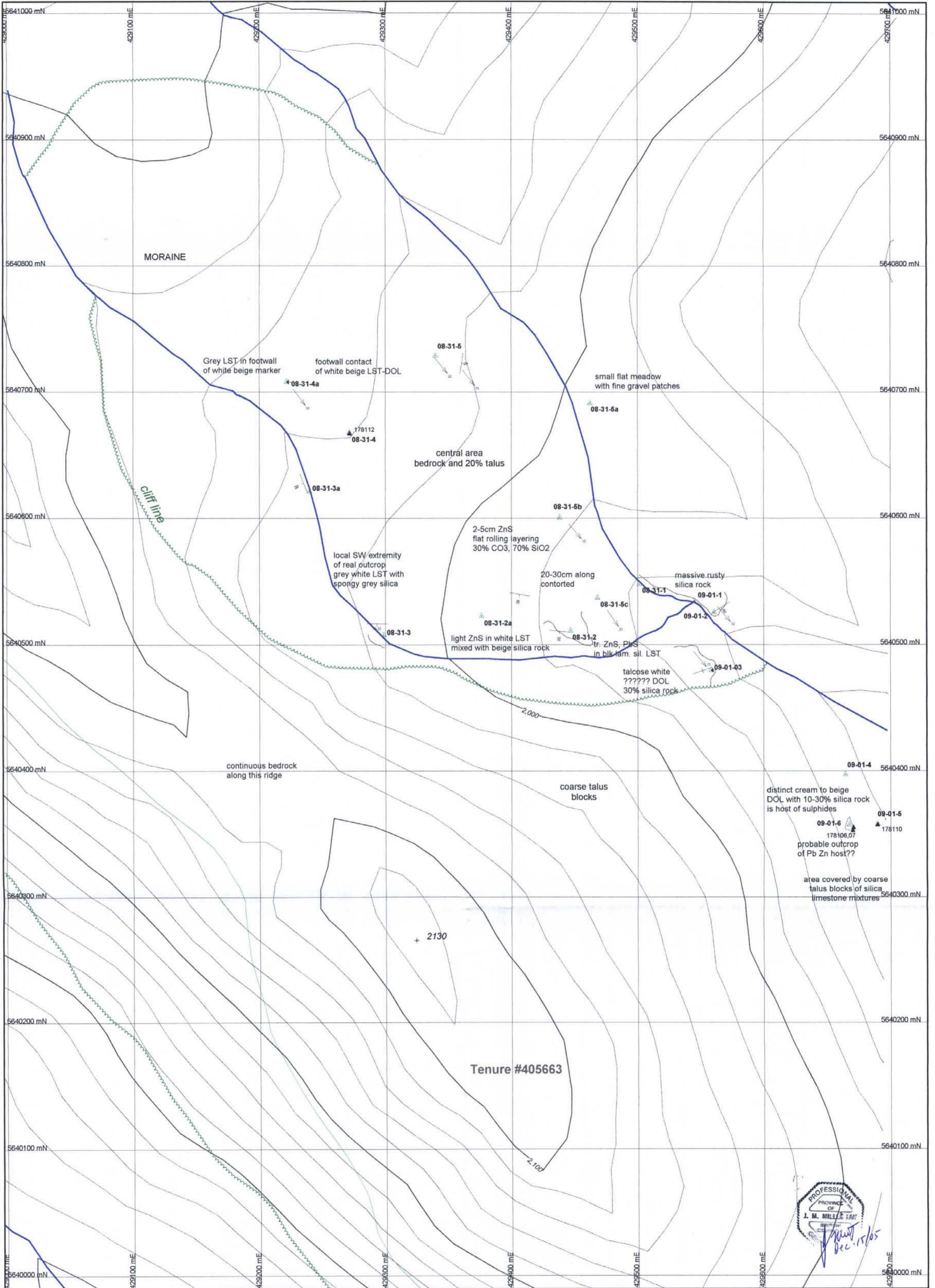
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BGS: 82K 091, 82L 100	NTS: 82K/13W, 82L/16E
DATE: DEC 2005	TOPOGRAPHY: BC TRIM
FILE:	FIGURE: GH-05-5

UTM NAD 83: ZONE 11

50°54'

50°54'





**LEGEND**

- outcrop
- field observation station
- rock sample location

**SELKIRK METALS HOLDINGS CORP.**  
**GHOST PROPERTY**  
 Revelstoke Mining Division, B.C.

**GEOLOGY**  
**2005 Mapping and Sampling**

Date	Dec 20, 2005	Scale	1:2,000	Figure	GH-05-6
Projection	UTM Zone 11 - NAD83	State/Province	BC		
Author	JMT	File	GhostBase		