

**TECHNICAL ASSESSMENT REPORT: HONEYMOON PROJECT**  
**Verification Geochemical Survey on the JOSEPH (B2) Target**  
**GIS Compilation, Geochemical Survey on the McCARTHY Target**

**KAMLOOPS MINING DIVISION  
BRITISH COLUMBIA**  
**NTS 082M051 & 092P060**

**BC Geological Survey  
Assessment Report  
31240**

**UTM Zone 10, NAD 83  
5713600N 705500E**

**Prepared for:**

**Honeymoon Syndicate Ltd.  
&  
Black Mountain Mining Corp.  
C/O Maitland and Company**

**BY**

**James Thom, M.Sc.**

**December 12, 2009**

## **Contents**

1.0 SUMMARY .....	4
2.0 INTRODUCTION .....	7
2.1 Property Description and Location .....	7
2.2 Access, Climate, Local Resources and Physiography .....	7
3.0 HISTORY .....	9
3.1 Regional Exploration History .....	9
3.2 History of Exploration, Honeymoon Project Claim Group.....	9
3.2.1 JOSEPH .....	9
3.2.2 McCARTHY .....	11
3.2.3 HONEYMOON.....	14
4.0 GEOLOGY .....	15
4.1 Regional Geology .....	15
4.2 Property Geology .....	15
5.0 2009 EXPLORATION PROGRAM .....	17
5.1 JOSEPH Soil Geochemical Survey.....	17
5.2.1 Ag Anomalies (Figure 6) .....	18
5.2.2 Cu anomalies (Figure 7) .....	18
5.2.3 Pb anomalies (Figure 8) .....	19
5.2.4 Zn anomalies (Figure 9).....	19
5.2 COMPIILATION WORK: Teck – 1992 & 1993 .....	19
6.0 CONCLUSIONS & RECOMENDATIONS .....	21
7.0 REFERENCES.....	22
8.0 Statement of Qualifications .....	24
9.0 STATEMENT OF COSTS .....	25

## LIST OF FIGURES

FIGURE 1: Location map	A1
FIGURE 2: Project area map showing tenure numbers	A1
FIGURE 3: MINFILE / Index Map	
FIGURE 4: Geology Map	A1
FIGURE 5: JOSEPH (B2) Zone 2009 Geochem Location	A1
FIGURE 6: JOSEPH (B2) Zone Ag Thematics	A1
FIGURE 7: JOSEPH (B2) Zone Cu Thematics	A1
FIGURE 8: JOSEPH (B2) Zone Pb Thematics	A1
FIGURE 9: JOSEPH (B2) Zone Zn Thematics	A1
FIGURE 10: McCARTHY North Cu Thematics	A1
FIGURE 11: McCARTHY North Pb Thematics	A1
FIGURE 12: McCARTHY North Zn Thematics	A1
FIGURE 13: McCARTHY North Zn Thematics	A1
FIGURE 14: McCARTHY South Cu Thematics	A1
FIGURE 15: McCARTHY South Pb Thematics	A1
FIGURE 16: McCARTHY South Zn Thematics	A1
FIGURE 17: McCARTHY South Ag Thematics	A1

APPENDIX 1. Figures

APPENDIX 2. 2009 JOSEPH detailed-grid soil locations / Analytical Certificates

APPENDIX 3. Compilation Work: Soil Location and Geochem

## **1.0 SUMMARY**

This report describes an assessment work undertaken during June 1<sup>st</sup> – July 29<sup>th</sup> 2009 on the Honeymoon Property on behalf of Black Mountain Mining Corp.

The property is located in the Adams Plateau – Clearwater exploration area. The property is an irregular shaped claim block comprising 17 contiguous mineral claims approximately 15 kilometres south of Clearwater, south central British Columbia. The property covers an area of 20.36 km<sup>2</sup>, which covers the known mineral occurrences JOSEPH, HONEYMOON and McCARTHY. All mineral occurrences are categorised as MINFILE prospects. However, this technical report is restricted to an evaluation of the technical data related to McCARTHY (Minfile No.082M 194) and a field investigation of the mineral occurrence known as JOSEPH (Minfile No.082M 187) – also referred to as the B2 target.

Regional geological maps published by the BC Ministry of Energy and Mines (BCMEM) show that the claim area overlies a north to northwest trending package of Fennell Formation (Slide Mountain Terrane) volcanic and sedimentary rocks cut by a series of complex thrust faults. The Fennell formation has 23 minfile occurrences consisting of Cypress-type massive sulphide Cu (Zn) mineralization, Noranda/Kuroko-type massive sulphide Cu-Pb-Zn mineralization, and Ag-Pb-Zn+/-Au vein mineralization. The Honeymoon property is of interest as a host to all 3 styles of mineralization.

### **JOSEPH - Noranda/Kuroko-type massive sulphide Cu-Pb-Zn mineralization**

According to the Minfile database Esso Minerals identified stratabound Pb-Zn mineralization by following up strong soil geochemical anomalies with a drill program.

In 1983, Esso Minerals completed a series of soil geochemical surveys that resulted in the delineation of an 1800 meter long, 50 to 100 meter wide geochemical anomaly (Everett and Cooper, 1983 - also referred to as Anomaly B). This anomaly was defined by a series of 100 to 200 meter spaced profile lines with a sample spacing of 25 meters.

Esso Minerals carried out a drilling program to follow up the soil geochemical anomalies. The best drill hole intersected 9.2 metres of 2.39 per cent lead, 1.05 per cent zinc, 1.27 per cent barium, 0.014 per cent copper, 30.9 grams per tonne silver and 0.07 grams per tonne gold, within which occurred 2.7 metres of 9.2 per cent lead, 1.56 per cent zinc, 2.45 per cent barium, 0.02 per cent copper, 93.94 grams per tonne silver and 0.17 grams per tonne gold (Marr. 1984).

Esso Minerals concluded that the mineralization appears to be stratabound. Based on the stratabound classification proposed by Esso, the reported presence of barite associated with the mineralized zone and the extensive strike length of the geochemical anomaly it is concluded that the B2 Grid has potential to host mineralization similar to

that developed at the Samatosum Mine and Homestake deposits located approximately 50 kilometers to the south.

Based on the presence of significant widths of mineralization intersected by the limited drilling completed by Esso Minerals (2 drill holes) and Craigmont Mines (3 shallow holes) within a restricted part of the 1,800 meter strike length of the anomaly and the variable thicknesses of overburden cover reported by Esso and a detailed evaluation of the geochemical data reported by Esso Minerals a verification soil geochemical survey was warranted.

### **McCARTHY - Cypress-type massive sulphide Cu (Zn) mineralization**

According to the Minfile database, exploration work carried out by Martin Peter, in early 1992, identified massive sulphide mineralization in a hand trench, 50 metres north of the original Kerr-Addison showing. Teck Exploration optioned the claim group later that year and carried out a program of magnetometer, soil and geological mapping surveys, and trenching. The best results came from the discovery hand trench and trench C: results from the hand trench were 6.6 metres at 1.1 per cent copper, including 1.0 metre at 2.24 per cent copper and 0.315 gram per tonne gold; and results from trench C were 11.4m at 1.3% Cu (Farmer, 1992).

During Teck explorations' option of the property 8 trenches were dug along the projected strike of mineralization to the north and south of the main showing covering strike length of 200m. Mapping of the old showing as well as in the new trenches determined that massive sulphide mineralization occurs as brecciated fragments within a large fault zone. The massive sulphides are locally very copper-rich and enhanced in gold. The best results from Teck's trenching program were from Trench C which resulted in a 11.4m wide zone with an average Cu grade of 1.3%. Trench C is located ~60m north of Martin Peter's Hand Trench. Teck Explorations' interpretation of the available data suggests that an original syngenetic massive sulphide lens has been brecciated by later faulting.

Teck exploration concluded that potential may exist along the mineralized horizon outside of the fault zone for additional massive sulphide mineralization. Based on the strataform classification proposed by Teck Exploration, the reported presence of magnetic anomalies associated with the mineralized zone it is concluded that the McCARTHY zone has potential to host mineralization similar to that developed at the CHU CHUA deposit located approximately 17 kilometers to the south.

Based on the presence of significant widths of mineralization uncovered by the trenching completed by Teck Exploration (10 trenches and 4 test pits) it was concluded that a detailed GIS compilation of the geochemical data reported by Teck Exploration was warranted.

The assessment work carried out between June 1<sup>st</sup> and July 29<sup>th</sup>, 2009 consisted of compiling a GIS database for the McCARTHY area including digitizing the UTM locations of the geochemical samples collected by Teck Exploration (Assessment Report No. 22686) and entering the geochemical data for zinc, lead, copper, silver and gold into an xls database. The assessment work carried out on the JOSEPH area included; collecting 69 soil samples, submitting these samples for chemical analysis, digitizing the UTM locations of these samples, and presenting the geochemical soil samples thematically.

Based on the geological work and computer modeling carried out during 2009 it is recommended that the Honeymoon Syndicate complete a new geochemical survey of the McCARTHY target using a maximum line spacing of 25 meters and a sample spacing of 10 meters. A vertical soil profile geochemical analysis and deep auger based soil surveys are recommended in this area. The geochemical soil survey carried out during 2009 in the JOSEPH area appears to confirm the 1983 Esso Minerals soil anomaly. The mineralized zone was found to be broader than previously recognized. It is recommended that the 2009 soil survey lines be extended to cover an even wider area and add more lines along strike of mineralization. A deep auger based soil survey is recommended in this area.

## **2.0 INTRODUCTION**

This report has been written in order to satisfy assessment requirements. This report describes the geology, a brief exploration history and the program of exploration undertaken during June 1<sup>st</sup> to July 29<sup>th</sup> 2009 on the Honeymoon claim group.

The 2009 fieldwork on the JOSEPH (B2) area was carried out by the author of this report and one field assistant. The GIS work on the McCARTHY area was completed by the author and GIS software specialist.

All UTM locations given are from the NAD83 ZONE 10 and 11, projection. The property crosses the zone 10 and zone 11 UTM boundaries and care was taken when crossing the boundary for the GPS to recalibrate to the new zone.

### **2.1 Property Description and Location**

The Honeymoon Syndicates' Honeymoon Project consists of an irregular shaped claim group located in south-central British Columbia near Clearwater, which is approximately 110 km north of Kamloops along provincial highway 5 [Figure 1]. The centre of the property is at approximately UTM Zone 10 (NAD 83) at approximately 5713600m North and 705500m East. The Honeymoon claim group consists of a total of 17 contiguous mineral claims covering 20.36 km<sup>2</sup>) in the Kamloops Mining Division [Table 1- Figure 2].

### **2.2 Access, Climate, Local Resources and Physiography**

Access to the property is by road on the paved Provincial Highway 5, driving 110 kilometres north from Kamloops, along the north Thompson River to Clearwater. From Clearwater the west side of the property can be accessed by a road on the eastside of the Thompson River heading south along the Dunn Lake FSR. Just before the Queen Bess mine a road heading east to the radio tower near Axel Lake pass through the McCARTHY zone. The east side of the property can be accessed by the Granite Mountain FSR, which is accessed via the Birch Island Lost Creek road 10km east of Clearwater.

Climate in the Clearwater area is typical of the Shuswap Highlands. Climates here range from sub-alpine in the mountains to a semi-arid, more temperate, continental climate. Summer is normally warm and dry and winter is moderate to very cold and dry.

The property is in the Shuswap Highlands physiographic region and encompasses a rugged, hilly upland. The mountain tops range from 1830 to 2130 meters elevation. The slopes are thick with tall, close spaced fir and spruce forest. Open areas are thick with buck brush and similar vegetation. Swamps and small lakes dot the uplands in virtually every depression. The mosquito population is generally very healthy and voracious. Close bush and rough slopes make travel difficult off the logging roads and cut lines.

Table 1. Honeymoon Claim Group

OWNER	OPERATOR	TENURE #	SIZE (Ha)	Issue Date	Good to Date
Carl Von Einsiendel	Honeymoon Syn.	570227	80.12	2007/nov/18	2010/aug/01
Carl Von Einsiendel	Honeymoon Syn.	570903	321.64	2007/nov/28	2010/aug/01
Carl Von Einsiendel	Honeymoon Syn.	593626	100.56	2008/oct/30	2010/aug/01
Carl Von Einsiendel	Honeymoon Syn.	577642	80.44	2008/mar/01	2010/aug/01
Carl Von Einsiendel	Honeymoon Syn.	577645	20.11	2008/mar/01	2010/aug/01
Carl Von Einsiendel	Honeymoon Syn.	570108	20.11	2007/nov/15	2010/aug/01
Carl Von Einsiendel	Honeymoon Syn.	598115	181.03	2009/jan/28	2010/aug/01
Carl Von Einsiendel	Honeymoon Syn.	575299	482.39	2008/feb/04	2010/aug/01
Carl Von Einsiendel	Honeymoon Syn.	573633	40.22	2008/jan/13	2010/aug/01
Carl Von Einsiendel	Honeymoon Syn.	570116	20.11	2007/nov/15	2010/aug/01
Carl Von Einsiendel	Honeymoon Syn.	570147	20.11	2007/nov/16	2010/aug/01
Carl Von Einsiendel	Honeymoon Syn.	570139	60.32	2007/nov/16	2010/aug/01
Carl Von Einsiendel	Honeymoon Syn.	573577	40.22	2008/jan/12	2010/aug/01
Carl Von Einsiendel	Honeymoon Syn.	570228	221.15	2007/nov/18	2010/aug/01
Carl Von Einsiendel	Honeymoon Syn.	593178	160.89	2008/oct/20	2010/aug/01
Carl Von Einsiendel	Honeymoon Syn.	570109	20.11	2007/nov/15	2010/aug/01
Carl Von Einsiendel	Honeymoon Syn.	594580	191.4	2008/nov/19	2010/aug/01

## **3.0 HISTORY**

Where no specific reference is listed, information has been taken from the British Columbia Minister of Mines Annual reports, ARIS reports or from the BC Geological Survey Branch Mineral Inventory File (MINFILE).

### **3.1 Regional Exploration History**

The Honeymoon Project is located within the Adams Plateau – Clearwater exploration area, an area with numerous known mineral occurrences (183 mineral occurrences) and significant past producers (17 past producers). In the Adams Plateau – Clearwater exploration area copper-lead-zinc and uranium mineralization predominates. Mineralization is composed of galena, sphalerite, pyrrhotite, chalcopyrite, pyrite, argentite, tetrahedrite, and arsenopyrite. Six types of mineralization are common in the area: 1] Noranda/Kuroko-type massive sulphide Cu-Pb-Zn mineralization (62 occurrences); 2] Ag-Pb-Zn+-Au vein mineralization (58 occurrences); 3] Sedimentary exhalative Zn-Pb-Ag (21 occurrences); 4] Cu-skarn (5 occurrences); 5] Volcanic hosted U (5 occurrences); and 6] Cypress-type massive sulphide Cu (Zn) mineralization (3 occurrences).

A total of 454,500 tonnes were mined intermittently between the early 1900's and 1992 from the Adams Plateau – Clearwater area. Recovery totalled 14116839 ounces of silver, 55411 ounces of gold, 1709105 lbs of copper, 4705276 lbs of lead, and 4860846 lbs of zinc. Grades calculated from reported mined and recovered values range between 3 to 280 oz/tonne Ag, 0.03 to 0.80 oz/tonne Au, 1.8 to 17% Zn, 1.4 to 36% Pb, and 0.1 to 4.4% Cu. The weighted average grades are 20 oz/tonne Ag, 0.12 oz/tonne Au, 2.15% Zn, 1.16% Pb, 0.83% Cu. The top three past producing mines from the Adams Plateau – Clearwater exploration area were the HOMESTAKE (L.827), WINDPASS and SAMATOSUM mines. These past producers are of the first and second type of mineral deposits described above.

### **3.2 History of Exploration, Honeymoon Project Claim Group**

Exploration on the Honeymoon Claim Groups dates back to 1979. There are 3 known mineral occurrences on the property (Figure 3). The modern exploration history that has occurred with each of these occurrences is discussed below.

#### ***3.2.1 JOSEPH (Also referred to as the B2) target***

In 1979 Craigmont Mines (Fraser and Dvorak, 1979) completed airborne electromagnetic, magnetic, and resistivity surveys covering all of the Fennell formation between Barriere and Clearwater, B.C., including the Honeymoon claims area. Several bands of conductors and magnetic were delineated. In 1980 and 1981 Craigmont Mines followed up EM conductors identified by the 1979 airborne geophysical survey

(Vollo, 1980 and 1981). The 5 holes drilled by Craigmont in 1980 and 1981 intersected (despite poor recovery) one 3.3 meter interval that averaged 3.06% Pb, 0.25% Zn and 1.90 oz/ton Ag.

Esso Resources optioned the project area in 1982. During 1983 Esso Mineral completed a geochemical survey covering various parts of the current Honeymoon claim group. According to Assessment Report No.11381 a geochemical survey comprising 228 sample assays delineated an 1800 meter long long, 50 to 100 meter wide geochemical anomaly (also referred to as Anomaly B or JOSEPH occurrence). This anomaly was defined by a series of 100 to 200 meter spaced profile lines with a sample spacing of 25 meters.

According to Esso Minerals the strongest geochemical response occurs in the central part of the anomaly (between lines 26+00N and 31+00N). Extensive glacial cover to the north appears to subdue copper, lead, silver and gold values. Zinc is reportedly the only anomalous element (285 to 3,440 ppm) within (the northern part of) this zone. Anomalous values estimated by Esso for Anomaly B are listed below:

Copper	115 - 1,085 ppm
Lead	147 - 1,840 ppm (highs to 4,900 ppm)
Zinc	263 - 5,500 ppm (highs to 9,500 ppm)
Silver	2.0 - 6.9 ppm
Gold	20 - 94 ppb (Note: Esso data shows a value of 410 ppb at the north end of the anomaly)

Data for the geochemical surveys reported by Esso Minerals included a series of maps which reported sample assays from both "B" and "C" horizon samples. According to the survey description included in Assessment Report 11381 samples were collected from both the "B" and the "C" horizons wherever overburden thickness was believed to be in excess of 5-10 meters.

During 1984 Esso completed two drill holes in the central part B2 grid area referred to as DDH 84-02 and 84-03. According to BC Minfile technical data drilling intersected 9.2 metres of 2.39 per cent lead, 1.05 per cent zinc, 1.27 per cent barium, 0.014 per cent copper, 30.9 grams per tonne silver and 0.07 grams per tonne gold, within which occurred 2.7 metres of 9.2 per cent lead, 1.56 per cent zinc, 2.45 per cent barium, 0.02 per cent copper, 93.94 grams per tonne silver and 0.17 grams per tonne gold (Marr, 1984). It is interesting to note that the log for DDH 84-02 indicates that significant barite mineralization was identified over a 23.1 meter interval between 52.8 and 75.9 meters.

There are 5 assessment reports on the ARIS database recording exploration work carried out in the Joseph area. This current report will make the 6<sup>th</sup> modern exploration program carried out in this area. The work carried out by each of these 6 exploration programs is summarized in Table 2.

**Table 2. Summary of Joseph Area Exploration History**

Operator	Geochemistry	Geophysics	Trench	Drilling	Reference
Craigmont Mines		Air Mag, EM & Res: 2274 km			Fraser & Dvorak (1979) ARIS: 7659
Craigmont Mines	8 rocks			10 holes: 821m	Vollo (1980) ARIS: 8530
Craigmont Mines	48 rocks			6 holes: 565m	Vollo (1981) ARIS: 9716
Esso Resources Canada	1305 soils	Ground Mag & EM: 76 km			Everett & Cooper (1983) ARIS: 11381
Esso Resources Canada	32 rocks			2 holes: 173m	Marr (1984) ARIS: 13054
Honeymoon Syndicate	69 soils				Thom (2009) Current Report

### **3.2.2 McCARTHY**

Exploration in the McCARTHY area also began with the 1979 Craigmont Mines airborne electromagnetic, magnetic and resistivity surveys (Fraser and Dvorak, 1979). In 1982, Esso Resources Canada carried out a prospecting and soil geochemical survey covering EM and magnetic anomalies from the Craigmont Mine airborne geophysical survey (Everett, 1983).

The 1982, Esso Resources Canada geochemical survey comprised of 223 samples (Everett, 1983). A number of erratically distributed anomalies were identified during Esso Resources Canada 1982 soil geochemical survey. According to Everett (1983) soil geochemistry might have been affected by the deep overburden. Overburden depths are reported to be from 1 to 50 meters.

According to the soil geochemical map produced by Everett (1983) the strongest geochemical response occurs just south of the switch back on the road to the microwave tower. Background values estimated by Everett (1983) are listed below:

Copper      20 - 40 ppm

Lead	15 - 30 ppm
Zinc	60 - 120 ppm
Silver	0.4 – 0.8 ppm

In 1988, Kerr Addison Mines acquired the McCARTHY area by staking. According to Whalen et al. (1988) the impetus for staking this area was the geological similarities between the staked ground and the Windpass mine located 4 kilometres south of their staked claim group. Kerr Addison Mines carried out a exploration program focussed on locating Windpass-type veins and to sample veins, gossans and outcrops with visible mineralization.

The 1988, Kerr Addison Mines prospecting field work resulted in 137 rock samples and 14 panned concentrate samples taken for geochemical analyses. It was during this exploration effort in which the original McCARTHY occurrence was found. The discovery was described by Whalen et al. (1988) as a shear zone mineralized with pyrite-pyrrhotite-chalcopyrite. According to Whalen et al. (1988) about 4 metres of the shear zone was exposed along an old skid road on a ridge but both sides of the shear were under deeper overburden. They also noted that along strike this material has been picked up in outcrop and frost heaved fragments for 100 - 150 metres. Three samples returned 0.19%, 0.21%, and 0.31% Cu.

In 1992, Teck Corporation optioned the McCarthy Claims from Martin Peter. According to Farmer (1992) earlier that year, before Teck optioned the claims, Martin Peter had carried out a prospecting style magnetometer survey centered on the area of the Kerr Addison showing. Martin Peter hand trenched some of the resulting magnetic anomalies and discovered more significant massive sulphide mineralization 50 meters north of the Kerr Addison showing.

The purpose of Tecks exploration program in 1992 was to better define and expose Martin Peter's discovery. Teck accomplished this goal by carrying out grid-based geological mapping, a ground magnetic survey, a geochemical soil survey and, trenching.

The ground magnetic survey completed by Teck was a detailed survey with readings taken every 12.5m and a line spacing of 50m. A total of 8.4 linear kilometres was surveyed by Teck. The survey covered 2 areas; a north grid that is centered on the Kerr Addison and Martin Peter occurrences and a south grid centered on the geochemical anomalous area found by Esso Resources Canada in 1982. Both survey areas registered magnetic anomalies associated with known mineralization. According to Teck detailed ground magnetic surveys can identify mineralization in the McCARTHY area,

however, due to the erratic distribution of mineralization the magnetic surveys produce a complex signature.

The soil geochemical survey consisted of 352 samples, covering both north and south grids. Samples were taken at 25m intervals along the same 50m spaced lines. According to Farmer (1992) the anomalous geochemical signatures from the soil survey are not associated with known mineralization (Kerr Addison and Martin Peters occurrences). Farmer (1992) claims, that the lack of correlation between soil anomalies and known bedrock mineralization is likely resulting from the glacial outwash nature of the soil. Anomalous thresholds determined from a statistical inspection of the soil geochemical values by Farmer (1992) are listed below:

Copper      100 ppm

Gold        20 ppb

Silver      1.0 ppm

The impetus for the Teck 1992 trenching program was the geophysical signatures associated with the known bedrock mineralization and not the soil geochemical survey. According to Farmer (1992), four trenches were dug along the projected strike of mineralization to the north and south of the main showing. Mineralization was observed in three out of four of these trenches. The best results from Teck's trenching program were from Trench C which resulted in a 11.4m wide zone 1.3% Cu. Trench C is located ~60m north of Martin Peter's Hand Trench. Martin Peter's discovery hand trench was also sampled results were 6.6 metres at 1.1 per cent copper.

There are 5 assessment reports on the ARIS database recording exploration work carried out in the McCarthy area. The work carried out by each of these 5 exploration programs is summarized in Table 2.

**Table 3. Summary of McCarthy Area Exploration History**

Operator	Geochemistry	Geophysics	Trench	Drilling	Reference
<b>Craigmont Mines</b>		Air EM & Mag: 2274km			Fraser and Dvorak (1979) ARIS: 7659
<b>Esso Resources Canada</b>	223 soils				Everett (1983) ARIS: 11968
<b>Kerr Addison Mines</b>	302 rocks				Whalen et al. (1988) ARIS: 18582
<b>Teck Exploration</b>	352 soils 44 rocks	Ground Mag: 8.4km	4 Trenches 1 Test Pit		Farmer (1992) ARIS: 22686
<b>Teck Exploration</b>	8 rocks	Ground Mag: 3.6km	6 Trenches 3 Test Pit		Farmer (1993) ARIS: 22916

### **3.2.3 HONEYMOON**

Exploration in the McCARTHY area also began with the 1979 Craigmont Mines airborne electromagnetic, magnetic and resistivity surveys (Fraser and Dvorak, 1979). In 1988, Kerr Addison Mines acquired the HONEYMOON area by staking. According to Whalen et al. (1988) the impetus for staking this area was the geological similarities between the staked ground and the Windpass mine located 4 kilometres south of their staked claim group. Kerr Addison Mines carried out a exploration program focussed on locating Windpass-type veins and to sample veins, gossans and outcrops with visible mineralization.

The 1988, Kerr Addison Mines prospecting field work resulted in 137 rock samples and 14 panned concentrate samples taken for geochemical analyses. It was during this exploration effort in which the original HONEYMOON occurrence was found. According to the published technical information contained in the Minfile database “Quartz veins, ranging in thickness from about two centimetres to greater than six metres, contain chalcopyrite, pyrite, galena, sphalerite, some bornite and locally coarse native gold. The veins strike north and have vertical dips. The veins are considered to be mesothermal and are parallel to and controlled by the north trending structural fabric of the enclosing volcanic and sedimentary rocks of the Fennell Formation... The best assay from [HONEYMOON] yielded 0.94 gram per tonne gold, greater than 200 grams per tonne silver, over 1 per cent copper, over 1 per cent lead and 0.8130 per cent zinc.”

## **4.0 GEOLOGY**

### **4.1 Regional Geology**

The Honeymoon Project is situated within the Adams Plateau - Clearwater Exploration area which lies near the southern end of the Omineca Crystalline Belt, one of the five morphological belts of the Canadian Cordillera. The Omineca belt refers to variably deformed and metamorphosed rocks of continental affinity, that are exposed east of Mesozoic arc and back-arc sequences (i.e., Intermontane belt) and west of deformed Paleozoic continental margin sedimentary rocks (i.e., Foreland belt).

The Adams Plateau – Clearwater Exploration area includes the Fennel Formation of the Slide Mountain Terrane and the Eagle Bay assemblage of the Kootenay Terrane.

#### **Eagle Bay Assemblage**

The Eagle Bay assemblage, as described by Schiarizza and Preto (1987), consists of deformed and metamorphosed (greenschist to lower amphibolite facies) Lower Cambrian to Mississippian sedimentary and volcanic rocks. They are intruded by Upper Devonian-Lower Mississippian foliated granite to diorite sills and dikes and by Middle to Upper Jurassic and Cretaceous hornblendebiotite granite to granodiorite, biotite-muscovite granite and biotite monzogranite of the Raft and Baldy batholiths; and they are overlain by Eocene volcanic rocks of the Kamloops Group.

#### **Fennel Formation**

The Fennell Formation, as by Schiarizza and Preto (1987) and Schiarizza (1989) divided it into lower and upper structural divisions. The lower structural division consists of a heterogeneous assemblage of bedded chert, gabbro, diabase, pillow basalt, clastic sedimentary rocks, and rare quartz-feldspar-phyric rhyolite and conglomerate. The upper structural division comprises primarily pillowed and massive basalts with minor amounts of bedded chert and gabbro.

The Honeymoon Project lies entirely within the Fennel Formation, which is sandwiched between the Quesnelia Terrane, part of the Intermontane Belt, to the west and the Kootenay Terrane to the east (Figure 4).

### **4.2 Property Geology**

The Honeymoon Project straddles the lower and upper structural divisions of the Fennel Formation. The basalts, of the upper division, are aphanitic to fine-grained medium to dark grey or green in colour, and rarely display a tectonic foliation. Microscopically, they consist of relict clinopyroxene and plagioclase variably altered to an assemblage of chlorite, actinolite, epidote, leucoxene, titanite, and minor carbonates

and quartz (Schiarizza and Preto, 1987). The diabase and gabbro, of the lower division, are coarser grained than the volcanic rocks, but they have the same composition. Unpillowed and pillowed basalt flows of the upper structural division host the stratabound Chu Chua Cu-Zn-Au-Ag sulphide deposit (Paradis et al. 2006).

## 5.0 2009 EXPLORATION PROGRAM

### 5.1 JOSEPH Soil Geochemical Survey

A total of 69 soil samples were collected during the 2009 exploration program. Location of the soil sample stations were determined by GPS and are shown in Figures 5 to 9 and listed in the Appendix 2.

The soil sample stations cover an area around Esso Resources Canada's 1984 and Craigmont Mine's 1980 drill holes (Figure 5). Samples were taken approximately every 10m along three lines with line spacing at approximately 50m. Samples were collected with conventional soil augers. Samples were taken from the B horizon from depths between 40 and 90 cm. All samples collected were submitted to ALS Chemex, of Vancouver, for analysis. The -80 mesh sieved fraction of the soil samples was ground and analyzed for a series of elements by ICP-AES, after being digested in an aqua-regia solution, listed in table 4 (Analytical certificates – Appendix 3).

**Table 4. Elements analyzed by ICP-AES**

Element	Element	Element	Element
Ag (ppm)	Co (ppm)	Mn (ppm)	Sr (ppm)
Al (%)	Cr (ppm)	Mo (ppm)	Th (ppm)
As (ppm)	Cu (ppm)	Na (%)	Ti (%)
B (ppm)	Fe (%)	Ni (ppm)	Tl (ppm)
Ba (ppm)	Ga (ppm)	P (ppm)	U (ppm)
Be (ppm)	Hg (ppm)	Pb (ppm)	V (ppm)
Bi (ppm)	K (%)	S (%)	W (ppm)
Ca (%)	La (ppm)	Sb (ppm)	Zn (ppm)
Cd (ppm)	Mg (ppm)	Sc (ppm)	

Statistical values for Ag, As Ba, Cd, Co, Cu, Pb and Zn are presented in Table 5. Background concentrations as well as weak and strong anomaly concentration cutoffs were established using box plots using this data and that from Everett & Cooper (1983). Defining Q1 and Q3 to be the first and third quartile and IQR to be the interquartile range (Q3 – Q1), the background concentration cutoff is defined as: Background < Q3 + (1.5\*IQR); A strong anomaly is defined as: Strong anomaly > Q3 + (3\*IQR). A weak anomaly is defined as greater than the background but less than a strong anomaly.

**Table 5. Soil Geochemical Statistics: JOSEPH Zone**

	<b>Ag</b>	<b>As</b>	<b>Ba</b>	<b>Cd</b>	<b>Co</b>	<b>Cu</b>	<b>Pb</b>	<b>Zn</b>
<b>Min</b>	<0.2	3	50	<0.5	1	8	18	28
<b>Max</b>	41.5	329	3510	193	534	948	44700	30700
<b>Average</b>	2.3	31.5	405	6	24	104	879	1253
<b>Median</b>	0.6	17	240	1.1	15	49	88	248
<b>Background</b>	3.45	-	-	-	-	108	155	308
<b>Strong Anomaly</b>	5.10	-	-	-	-	163	232	468

Background and anomalous thresholds could not be defined for As, Ba, Cd and, Co due to the small data set. The 2009 geochemical survey was focused in the anomalous zone and the data set has a large number of highly concentrated metals, which make a statistical derivation of background and anomalous thresholds artificially high.

### **5.1.1 Ag Anomalies (Figure 6)**

There are 5 strong Ag anomalies of the 69 samples taken from the JOSPEH area detailed-grid. These strong Ag anomalies range from 7.7 ppm to 41.5 ppm. There is also 1 weak anomaly in the detailed-grid. There are four Ag anomalies spanning approximately 30m near the center of the most southerly of the three lines. The historical geochemical survey carried out by Esso also shows anomalous Ag in this area. The other strong Ag anomaly is just north-northwest and down slope of this 30m wide Ag anomaly. This area of Ag anomalies covered is also strongly anomalous in Cu, Pb, and Zn.

### **5.1.2 Cu anomalies (Figure 7)**

There are 10 strong Cu anomalies of the 69 samples taken from the JOSEPH area detailed-grid. These strong Cu anomalies range from 168 ppm to 948 ppm. There are also 10 weak anomalies in detailed-grid. There are six Cu anomalies spanning approximately 50m near the center of the most southerly of the three lines. This Cu anomaly is in the same location but is wider than the Ag anomaly. This Cu anomaly is not picked up in the historical geochemical survey carried out by Esso. There is another Cu anomaly on the centre line just north north-west and down slope of this 50m Cu anomaly. The Cu anomaly on the centre line is not as strong as the southerly line. There is a similar Cu anomaly in the geochemical survey carried out by Esso. These two Cu anomalies are likely resulting from the same mineralized horizon. The 2009 soil survey extended the historical geochemical soil survey to the east and west and found Cu anomalies on both flanks of known zone of mineralization. These Cu anomalies likely indicate other mineralized horizons in the JOSPEH area.

### **5.1.3 Pb anomalies (*Figure 8*)**

There are 13 strong Pb anomalies of the 69 samples taken from the JOSEPH area detailed-grid. These strong Pb anomalies range from 236 ppm to 44700 ppm. There are also 6 weak anomalies in detailed-grid. The same north-northwest trending Cu anomaly is also seen in the Pb results. This Pb anomaly also corresponds well with the historical Pb results from the geochemical survey carried out by Esso. There are also a number of Pb anomalies to the west of this north-northwest trending polymetallic soil anomaly. At this stage it is difficult to determine how many different mineralized horizons are present beneath the soil overburden.

### **5.1.4 Zn anomalies (*Figure 9*)**

There are 28 strong Zn anomalies of the 69 samples taken from the JOSEPH area detailed-grid. These strong Zn anomalies range from 477 ppm to 30700 ppm. There are also 6 weak anomalies in detailed-grid. The Zn anomalies are much larger and broader than the historical geochemical soil survey carried out by Esso. From the Zn anomalies it does not appear that there are a number of different mineralized horizons, but one broad, approximately 200m, mineralized horizon. It appears that Zn is the most peripheral base metal in this VMS target, and can be used to vector towards a Cu core in these mineralized horizons.

## **5.2 COMPILATION WORK: Teck – 1992 & 1993**

The assessment work carried out on the McCARTHY area of the Honeymoon claim group consisted of a brief property visit, compiling a GIS database for the McCARTHY area including digitizing the UTM locations of the geochemical samples collected by Teck Exploration (Assessment Report No. 22686) and entering the geochemical data for zinc, lead, copper, silver and gold into an xls database (Figure 10-17 and Appendix 3).

Statistical values for Ag, Cu, Pb and Zn are presented in Table 6. Background concentrations as well as weak and strong anomaly concentration cutoffs were established using box plots using this data and that from Everett & Cooper (1983). Defining Q1 and Q3 to be the first and third quartile and IQR to be the interquartile range (Q3 – Q1), the background concentration cutoff is defined as: Background < Q3 + (1.5\*IQR); A strong anomaly is defined as: Strong anomaly > Q3 + (3\*IQR). A weak anomaly is defined as greater than the background but less than a strong anomaly.

There are 3 clusters of Cu anomalies near the southwest, northwest and northeast corners of the soil grid that were never followed up by Teck.

**Table 6. Soil Geochemical Statistics: McCARTHY Zone**

	Ag	Cu	Pb	Zn
<b>Min</b>	<0.2	5	1	1
<b>Max</b>	1.8	1106	240	586
<b>Average</b>	0.3	54	13	85
<b>Median</b>	0.2	35	12	79
<b>Background</b>	0.9	105	28	144
<b>Strong Anomaly</b>	1.3	155	40	190

## **6.0 CONCLUSIONS & RECOMENDATIONS**

The geochemical soil survey carried out during 2009 in the JOSEPH area appears to confirm the 1983 Esso Minerals soil anomaly. The mineralized zone was found to be broader than previously recognized. It is recommended that the 2009 soil survey lines be extended to cover an even wider area and add more lines along strike of mineralization. A deep auger based soil survey is recommended in this area.

Based on the geological work and computer modeling carried out during 2009 it is recommended that the Honeymoon Syndicate complete a new geochemical survey of the McCARTHY target using a maximum line spacing of 25 meters and a sample spacing of 10 meters. A vertical soil profile geochemical analysis and deep auger based soil surveys are recommended in this area.

## 7.0 REFERENCES

- Dawson, J.M., 1979. Report on diamond drilling. ARIS: 7758
- Dawson, J.M., 1980. Geological, geochemical and geophysical report on the Foghorn showings. ARIS: 7813
- Everett, C.C., 1983. Geological and geochemical report on Foggy F group (Joseph 19 and 20 mineral claims). ARIS: 11968
- Everett, C.C., Cooper, W.G., 1983. Geochemical and geophysical report on Foggy B, Foggy C, Foggy D Foggy E groups. ARIS: 11381
- Farmer, R. 1992. Assessment report geology, geochemistry, geophysics and trenching on the McCarthy property. ARIS: 22686
- Farmer, R. 1993. Assessment report geophysics and trenching on the McCarthy property. ARIS: 22916
- Fraser, D.C., Dvorak, Z., 1979. Airborne geophysical report. ARIS:7659
- Logan, J.M. and Mann, R.K., 2000, Geology and mineralization in the Adams-East Barriere lakes area, south-central British Columbia, 82M/04: British Columbia Ministry of Energy and Mines, Open File 2000-7, 1:100,000.
- Marr, J.M., 1984. Drilling assessment report on Joseph 84 group (Joseph 5, 7, 9, 11) ARIS: 13054
- Paradis, S., Bailey, S.L., Creaser, R.A., Piercey, S.J. and Schiarizza, P., 2006, Paleozoic magmatism and syngenetic massive sulphide deposits of the Eagle Bay assemblage, Kootenay terrane, southern British Columbia, in Colpron, M. and Nelson, J.L., eds., Paleozoic Evolution and Metallogeny of Pericratonic Terranes at the Ancient Pacific Margin of North America, Canadian and Alaskan Cordillera: Geological Association of Canada, Special Paper 45, p. 383-414.
- Schiarizza, P. and Preto, V.A., 1987, Geology of the Adams Plateau-Clearwater-Vavenby area: B.C. Ministry of Energy, Mines and Petroleum Resources, Paper 1987-2, 88 p.
- Schiarizza, P., 1989, Structural and stratigraphic relationships between the Fennell Formation and Eagle Bay assemblage, western Omenica belt, south-central British Columbia: Implications for Paleozoic tectonics along the paleocontinental margin of western North America: M.Sc. thesis, University of Calgary, Calgary, Alberta, 343 p.
- Whalen, D., Angus, S., Daley, F., 1988. Assessment report on a prospecting program covering the Honeymoon 1-16 claims. ARIS: 18582

Vollo, N.B., 1980. Diamond drilling report. ARIS: 8530

Vollo, N.B., 1981. Diamond drilling report on the 82M/12 Foggy and Joseph groups.  
ARIS: 9716

## **8.0 Statement of Qualifications**

I James G.M. Thom certify that:

I am an independent consulting geologist residing at 105 -1290 west 11<sup>th</sup> ave, Vancouver BC, V6H 1K5 and can be contacted at thomjgm@gmail.com

I obtained a B.Sc. in Earth and Ocean Sciences at the University of Victoria [2002] and graduated with a M.Sc. in Geology from the University of Toronto [2003].

I have worked in the mineral exploration industry since 1999

I supervised the 2009 exploration program described in this report

I have no direct or indirect interest in the property herein

X James Thom Dec 10<sup>th</sup> 2009

## **9.0 STATEMENT OF COSTS**

### **Verification sampling program in the central part of the Joseph (B2 target)**

Mobilization incl. travel expense, meals etc.	\$452.19
Vehicle rentals	\$200.00
Field supplies, equipment rentals (GPS units, satphone, augers etc.)	\$150.00
<b>Field personnel</b>	
-James Thom (July 10-12): 3 man days charged at \$350	\$1,050.00
-Darah Karkairan: 3 man days charged @ \$200	\$600.00
Als Chemex invoice for ICP analysis (69 samples)	\$ 976.95
Sub-total	\$3,429.14

### **GIS Compilation of soil geochemical data for the McCarthy Prospect**

#### Project engineering and supervision

-C. von Einsiedel: 1.5 days charged @\$600	\$900.00
-James Thom: 30 hours charged @ \$40.00	\$1,200.00

#### GIS Compilation and preparation of technical report figures

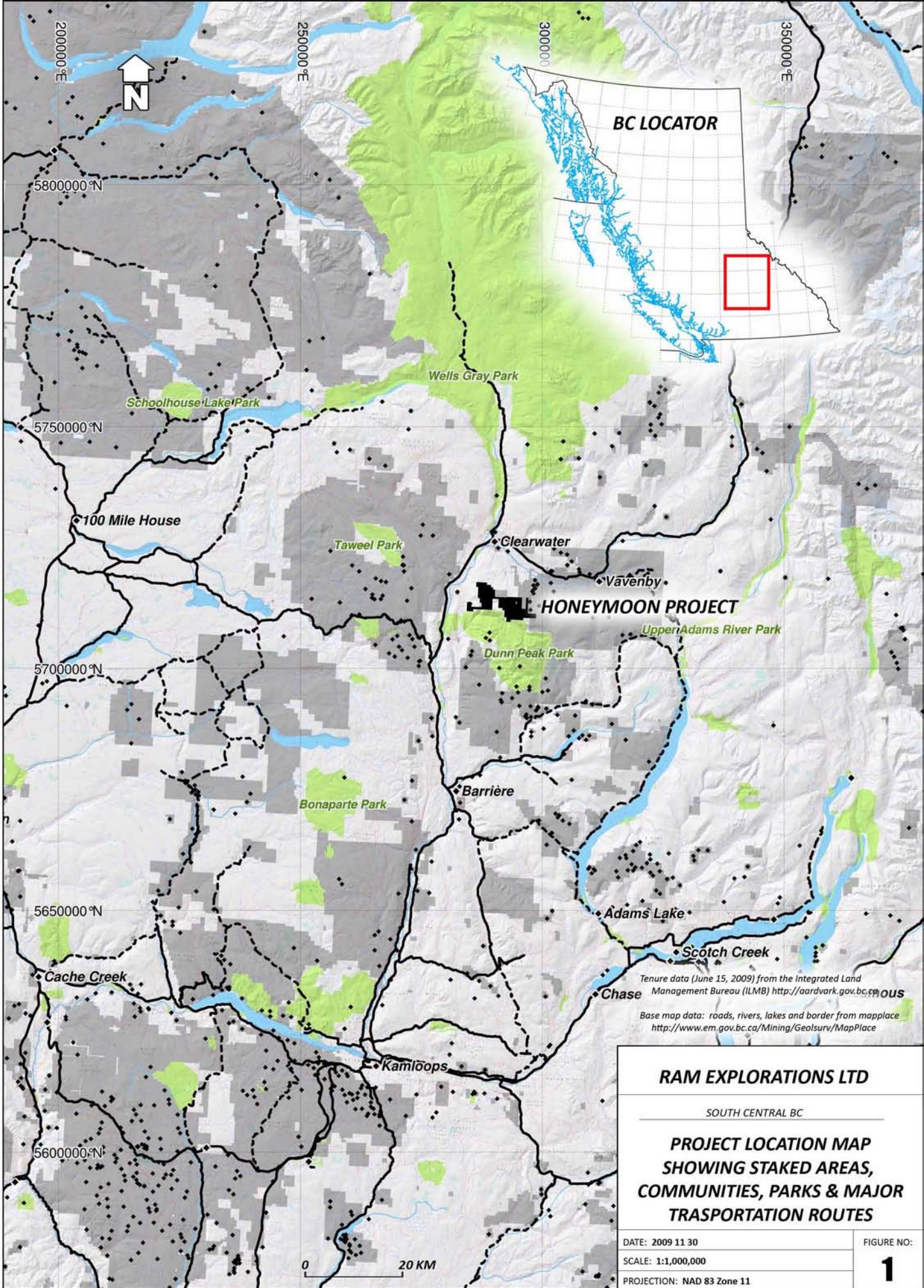
##### -geo-referencing historic data for the McCarthy Prospect:

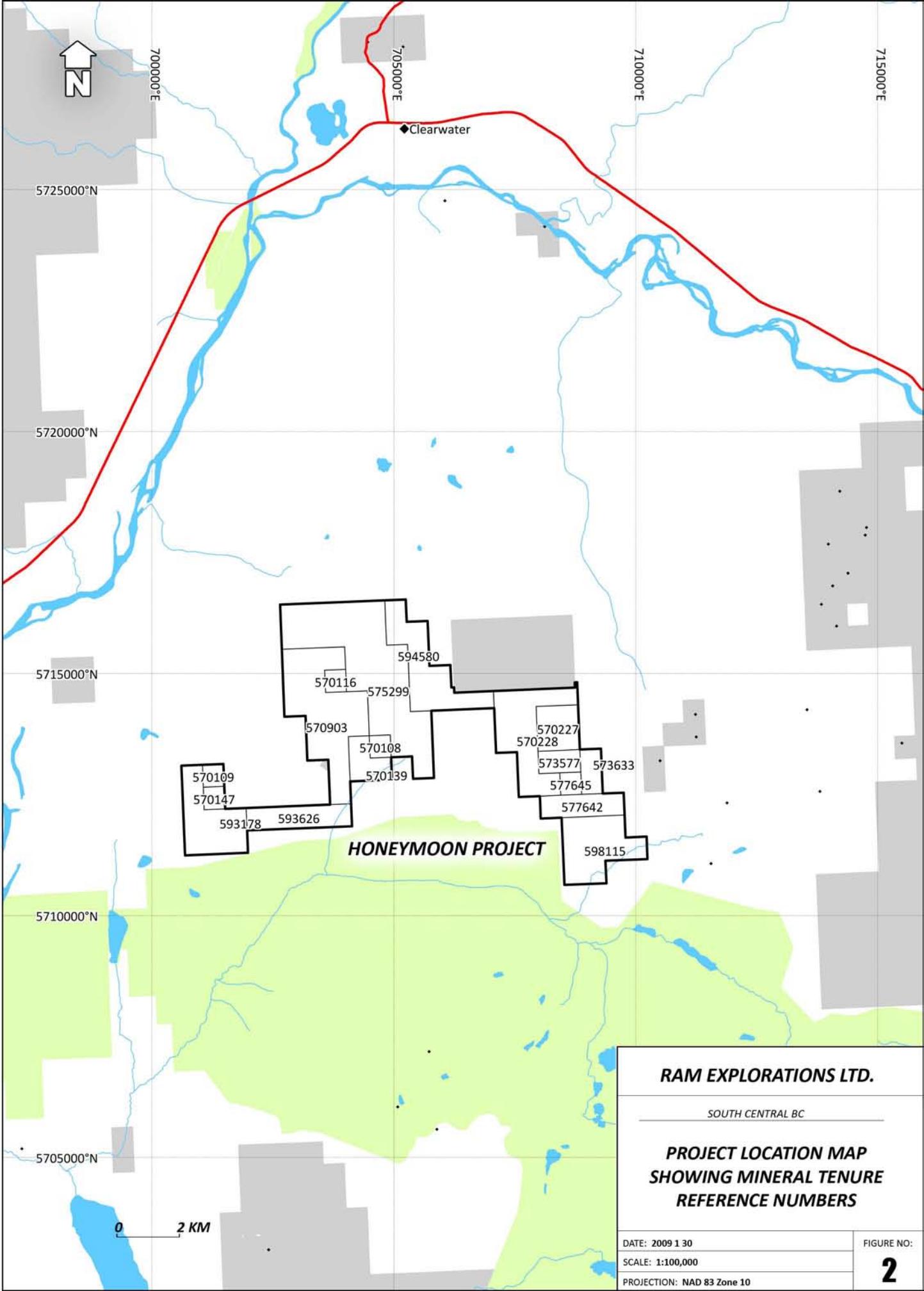
20 hours @ 51.75	\$1,035.00
Sub-total	\$ 3,135.00

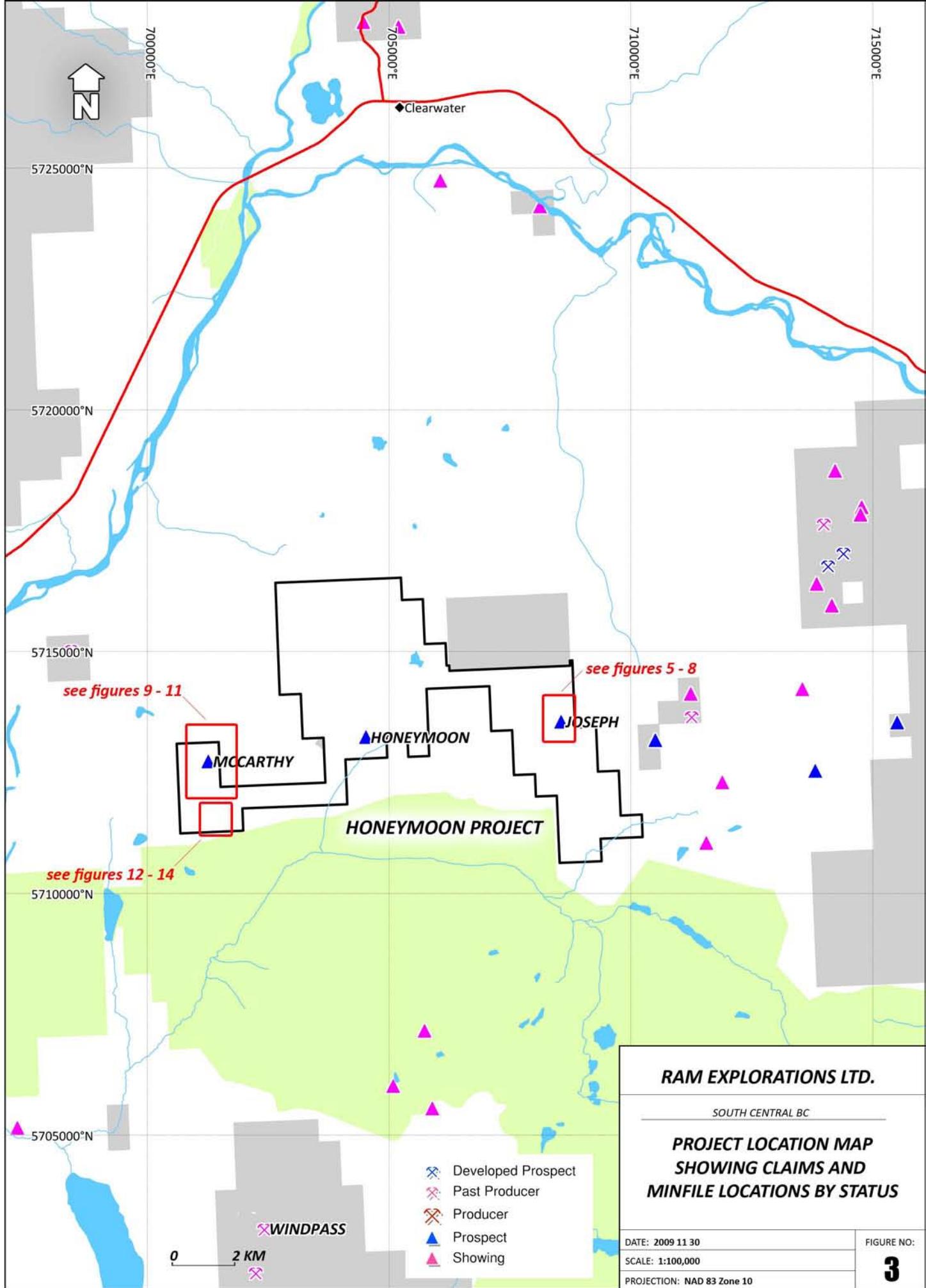
Total applied for assessment credit: \$ 6,564.00

# **APPENDIX 1**

## **-FIGURES-**







*RAM EXPLORATIONS LTD.*

SOUTH CENTRAL BC

**PROJECT LOCATION MAP  
SHOWING CLAIMS AND  
MINFILE LOCATIONS BY STATUS**

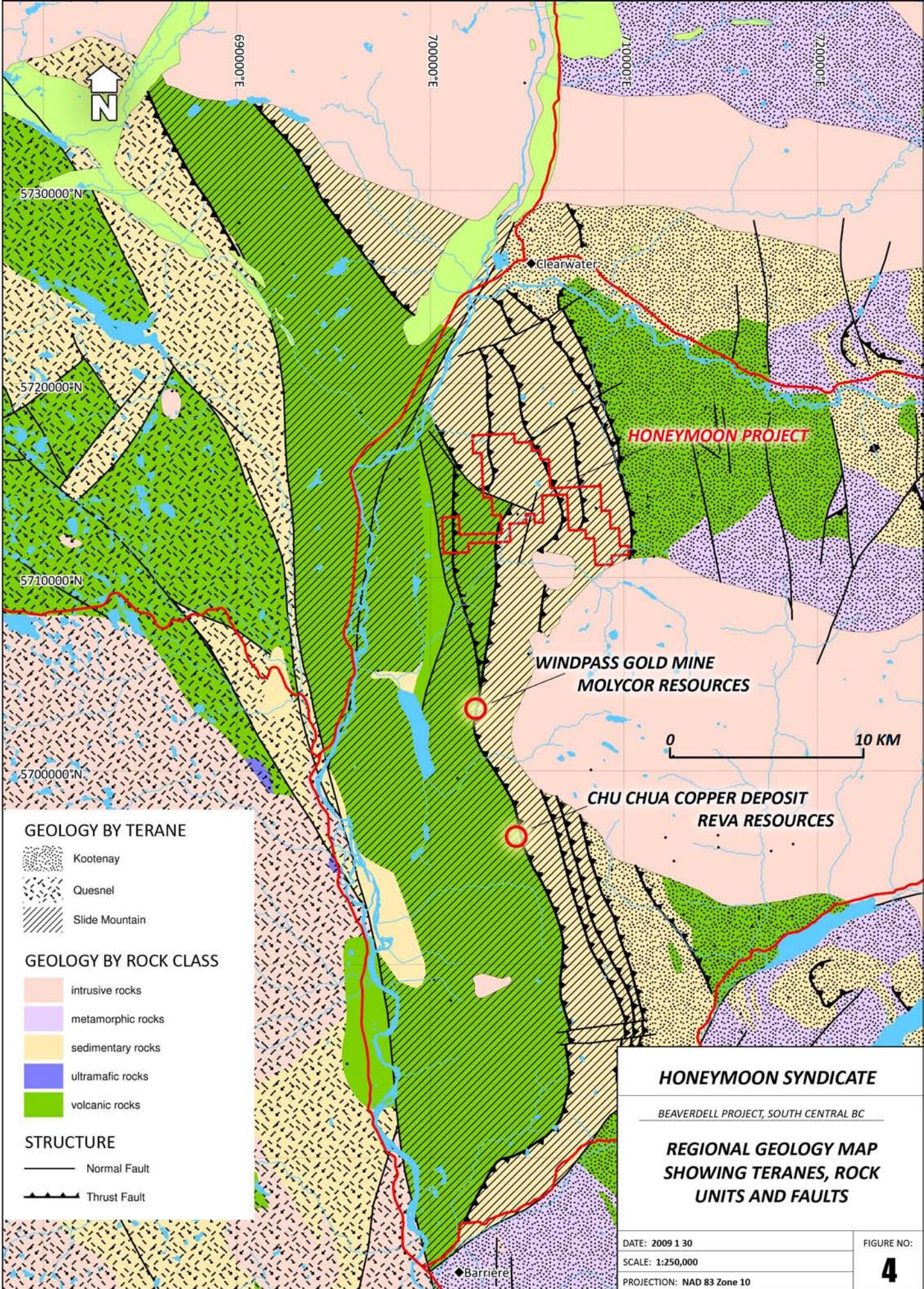
DATE: 2009.11.30

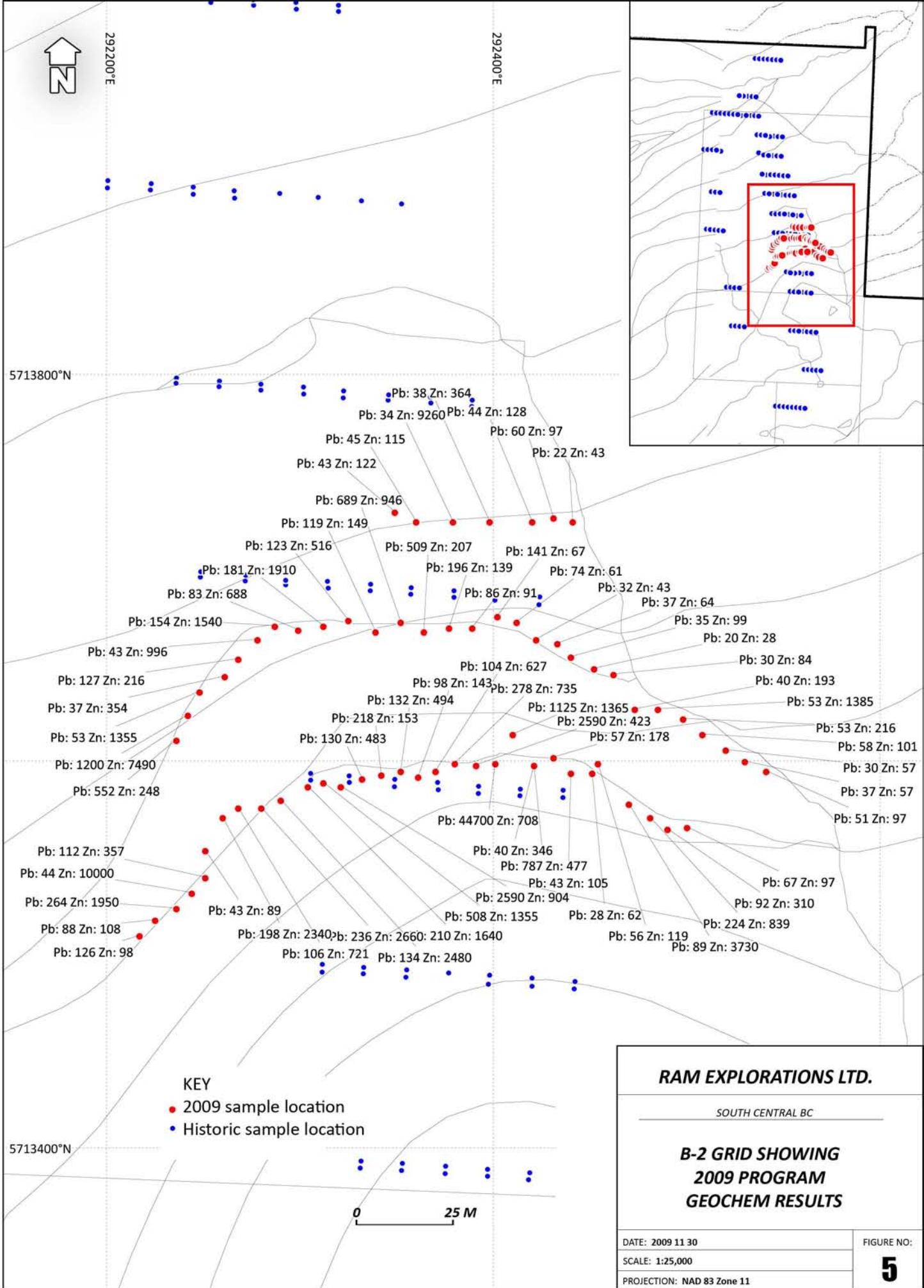
SCALE: 1:100,000

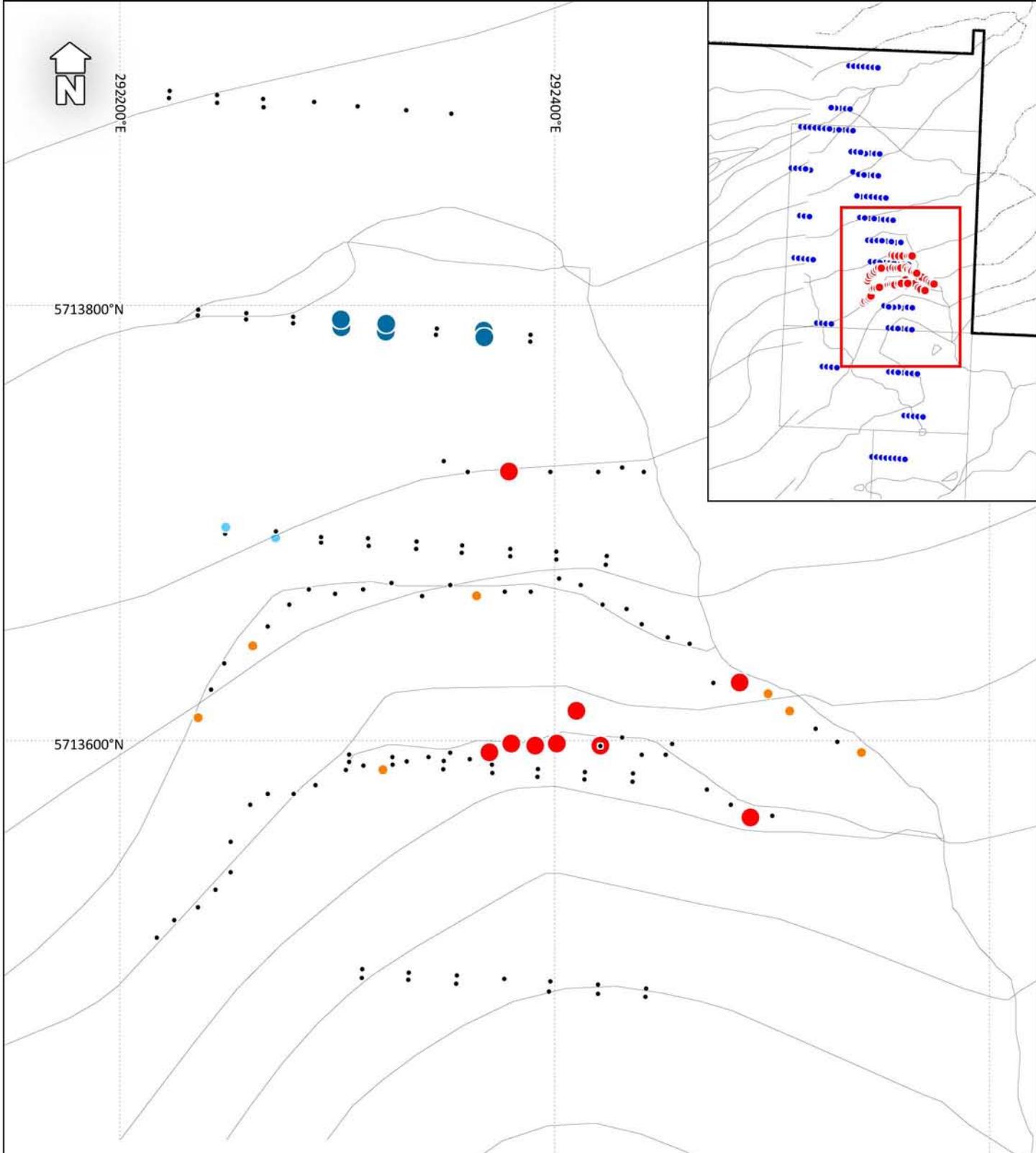
PROJECTION: NAD 83 Zone 10

**FIGURE NO:**

3







**RAM EXPLORATIONS LTD.**

SOUTH CENTRAL BC

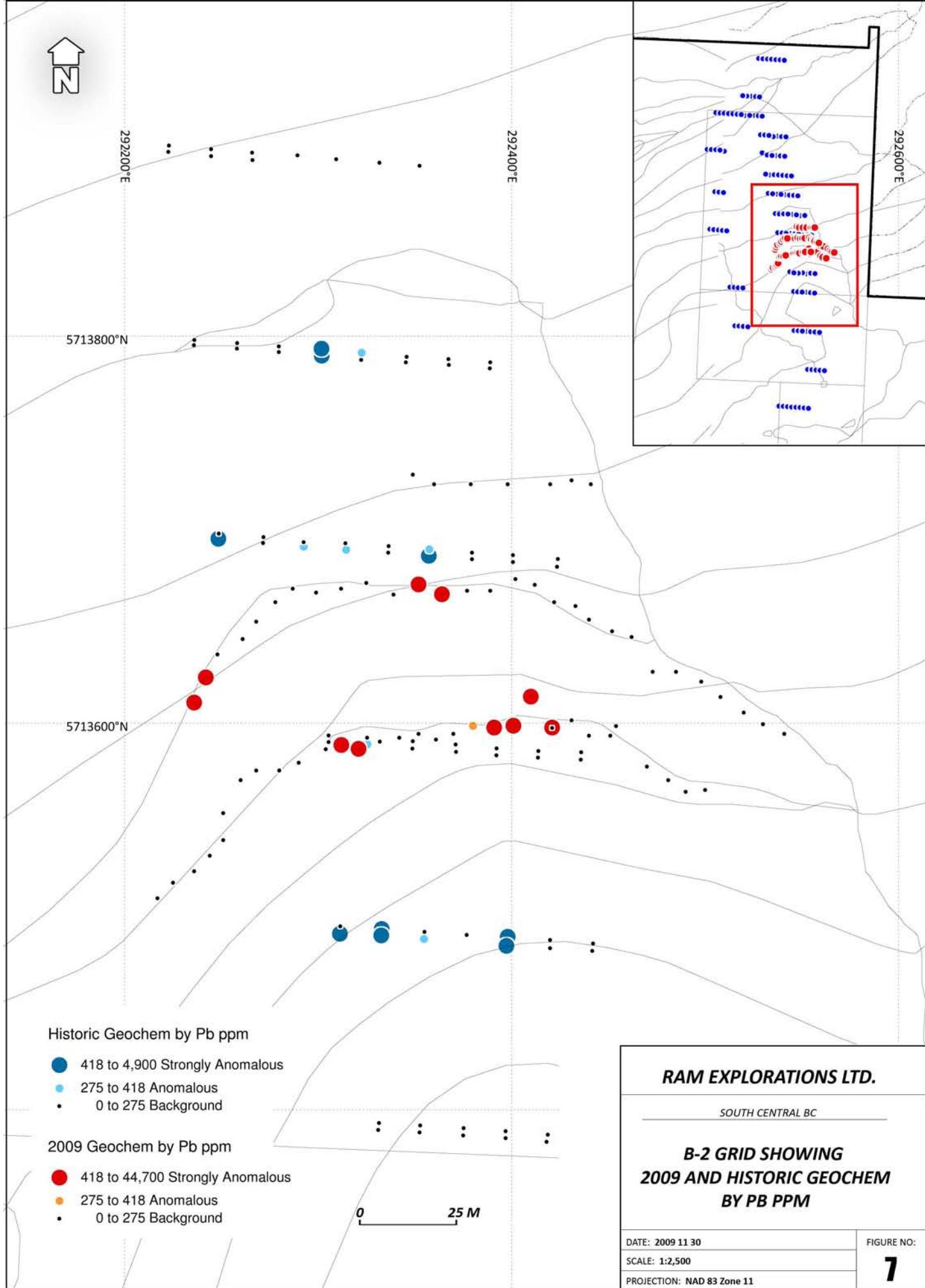
**B-2 GRID SHOWING  
2009 AND HISTORIC GEOCHEM  
BY CU PPM**

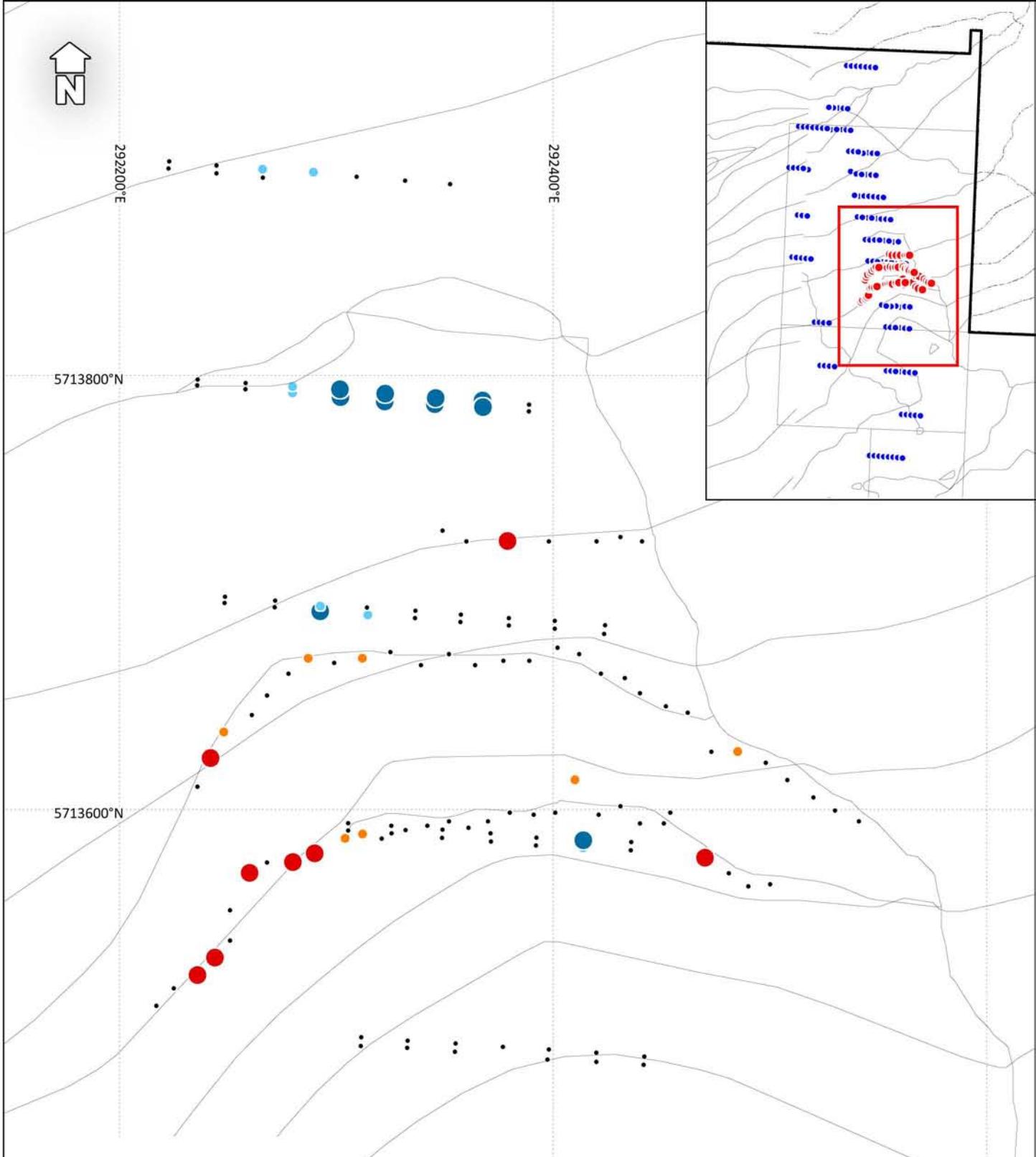
DATE: 2009 11 30

SCALE: 1:2,500

PROJECTION: NAD 83 Zone 11

FIGURE NO:  
**6**





**RAM EXPLORATIONS LTD.**

SOUTH CENTRAL BC

**B-2 GRID SHOWING  
2009 AND HISTORIC GEOCHEM  
BY ZN PPM**

DATE: 2009 11 30

SCALE: 1:2,500

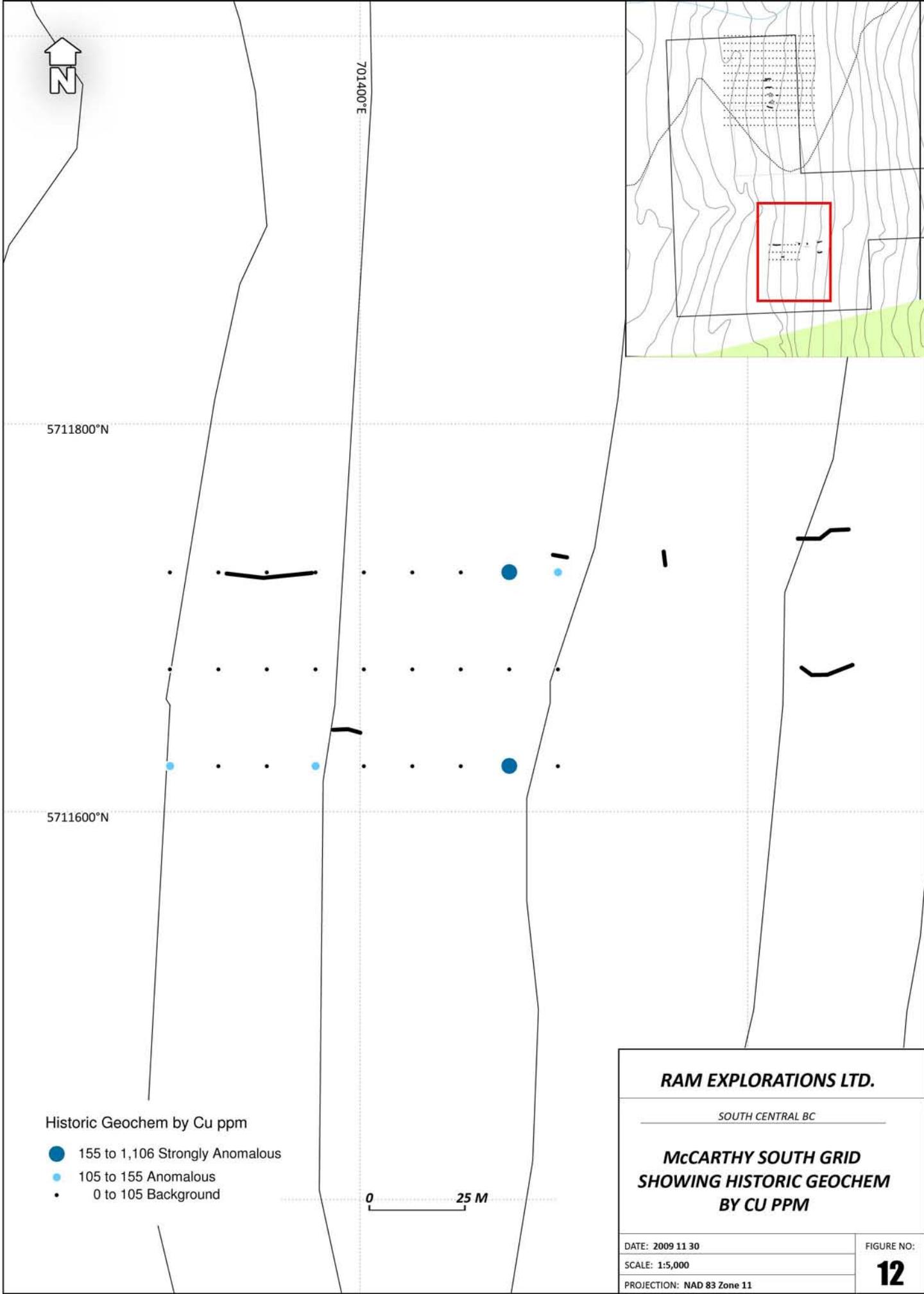
PROJECTION: NAD 83 Zone 11

FIGURE NO:  
**8**

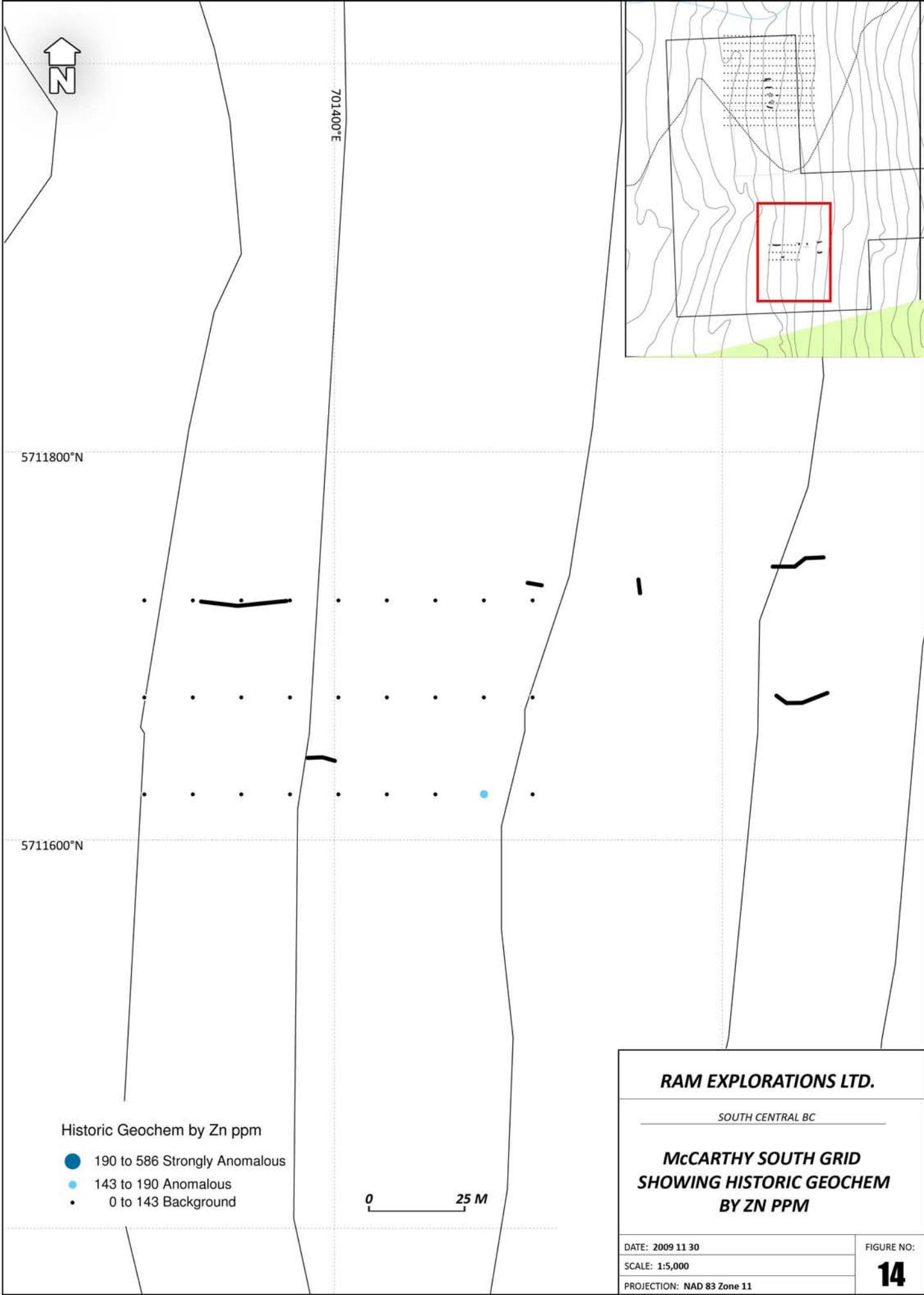


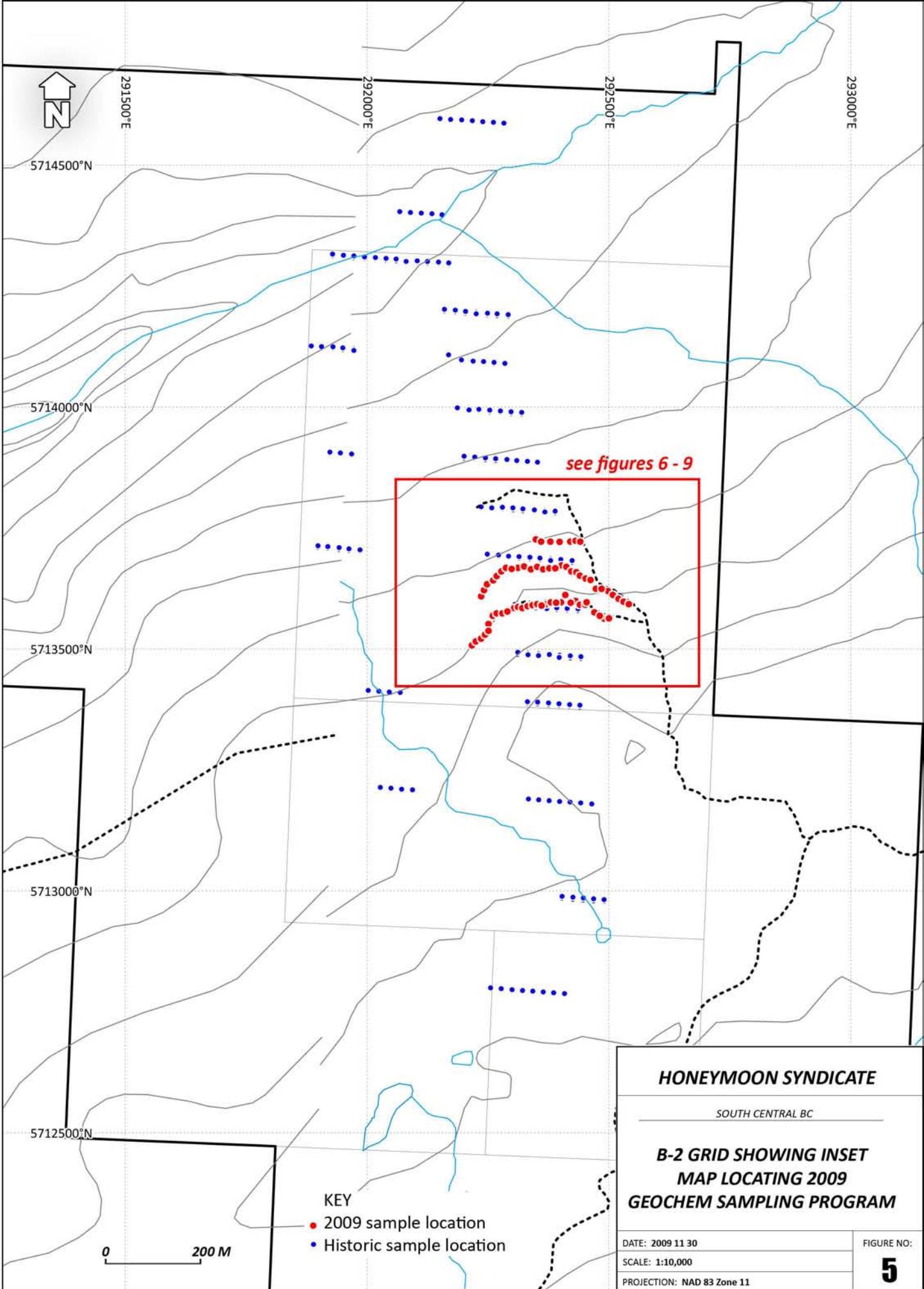


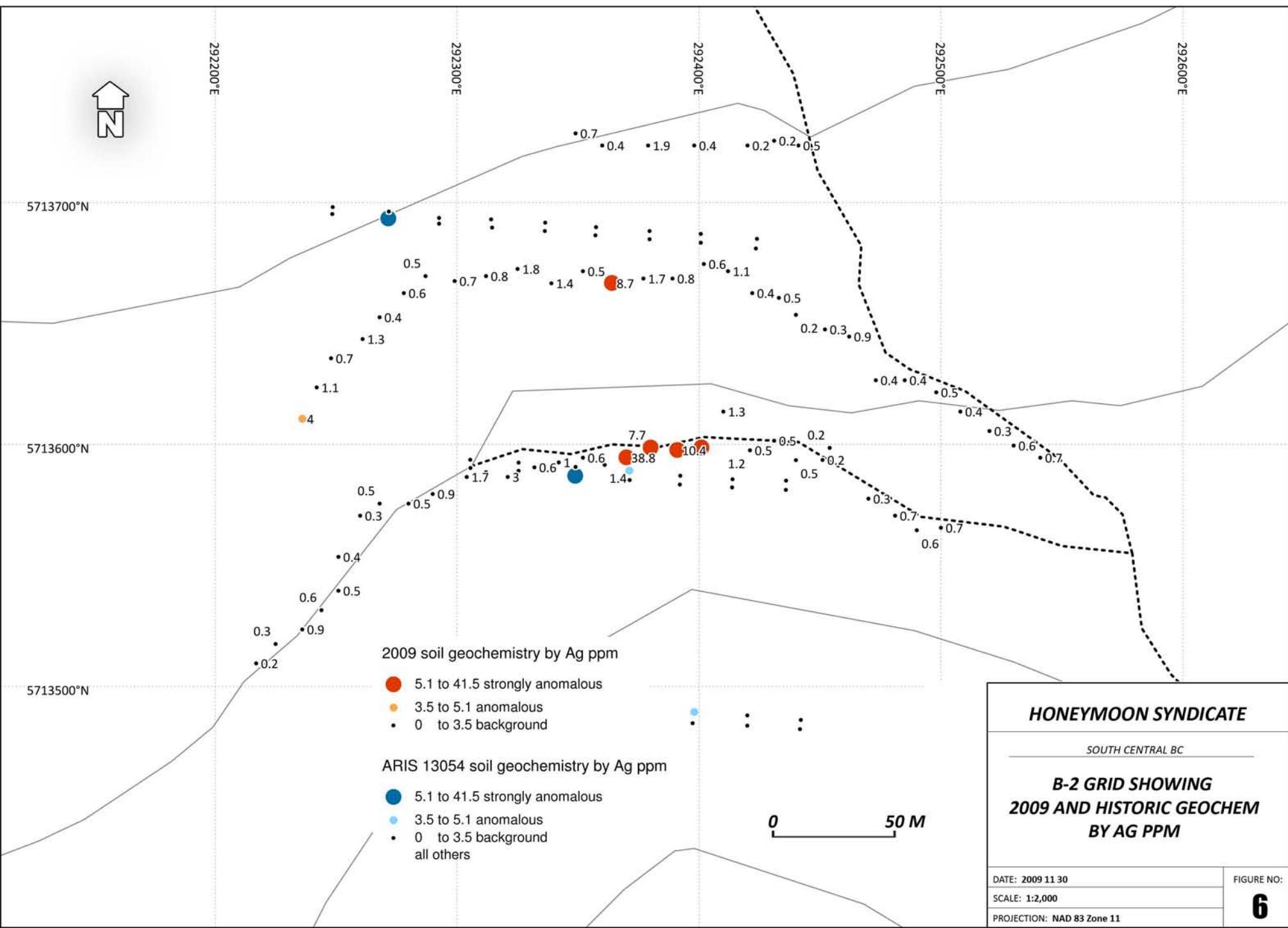


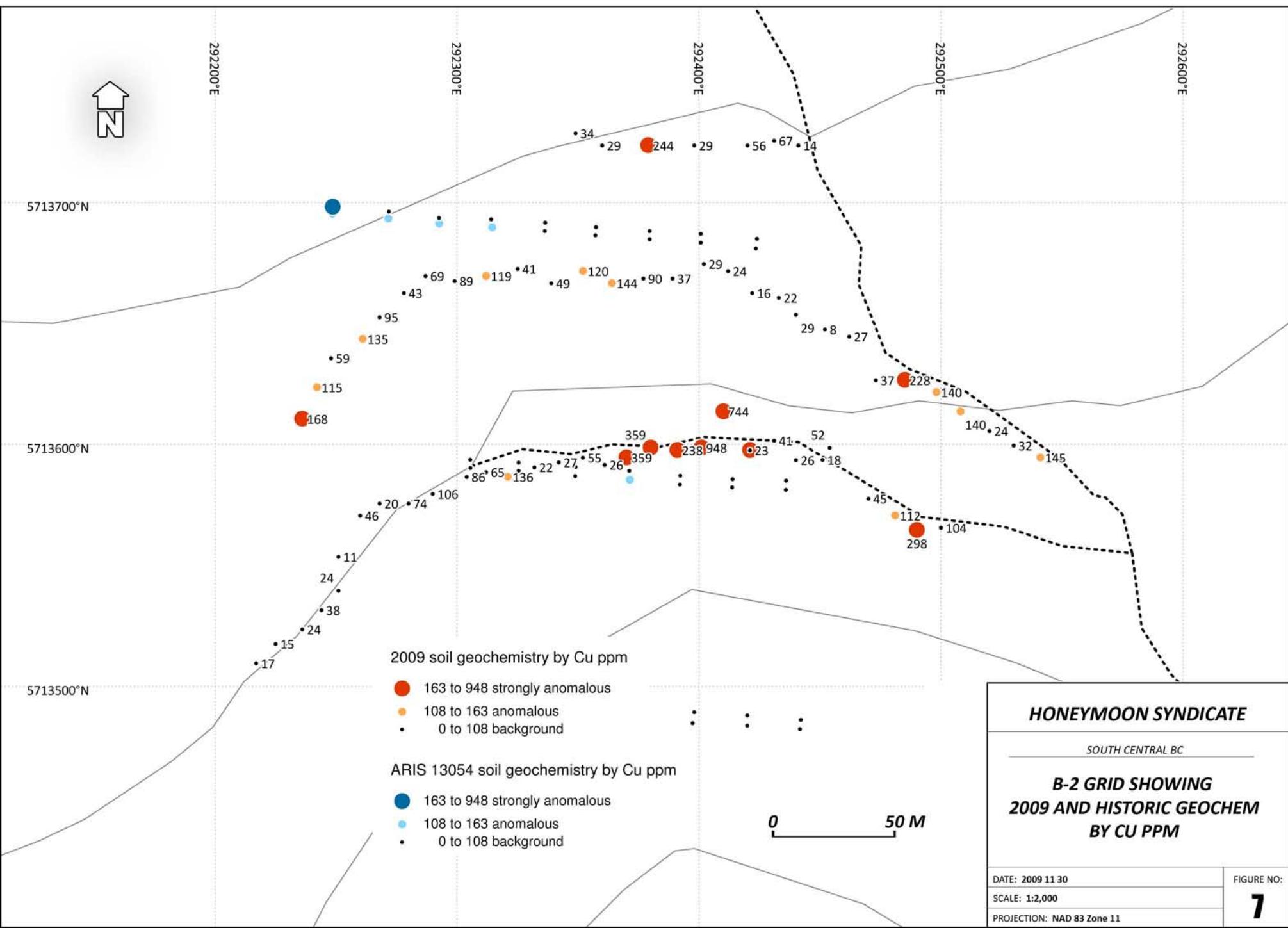


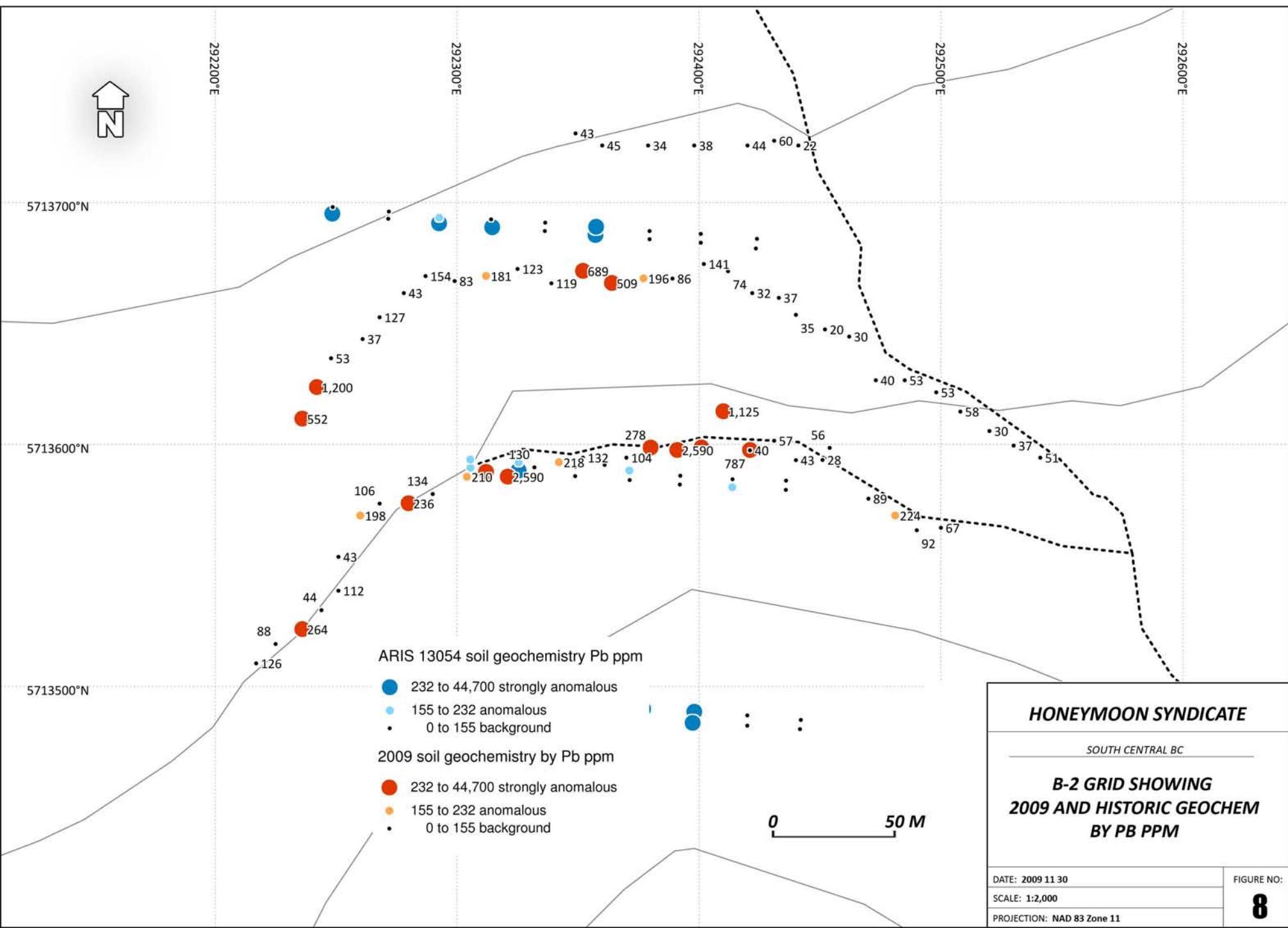


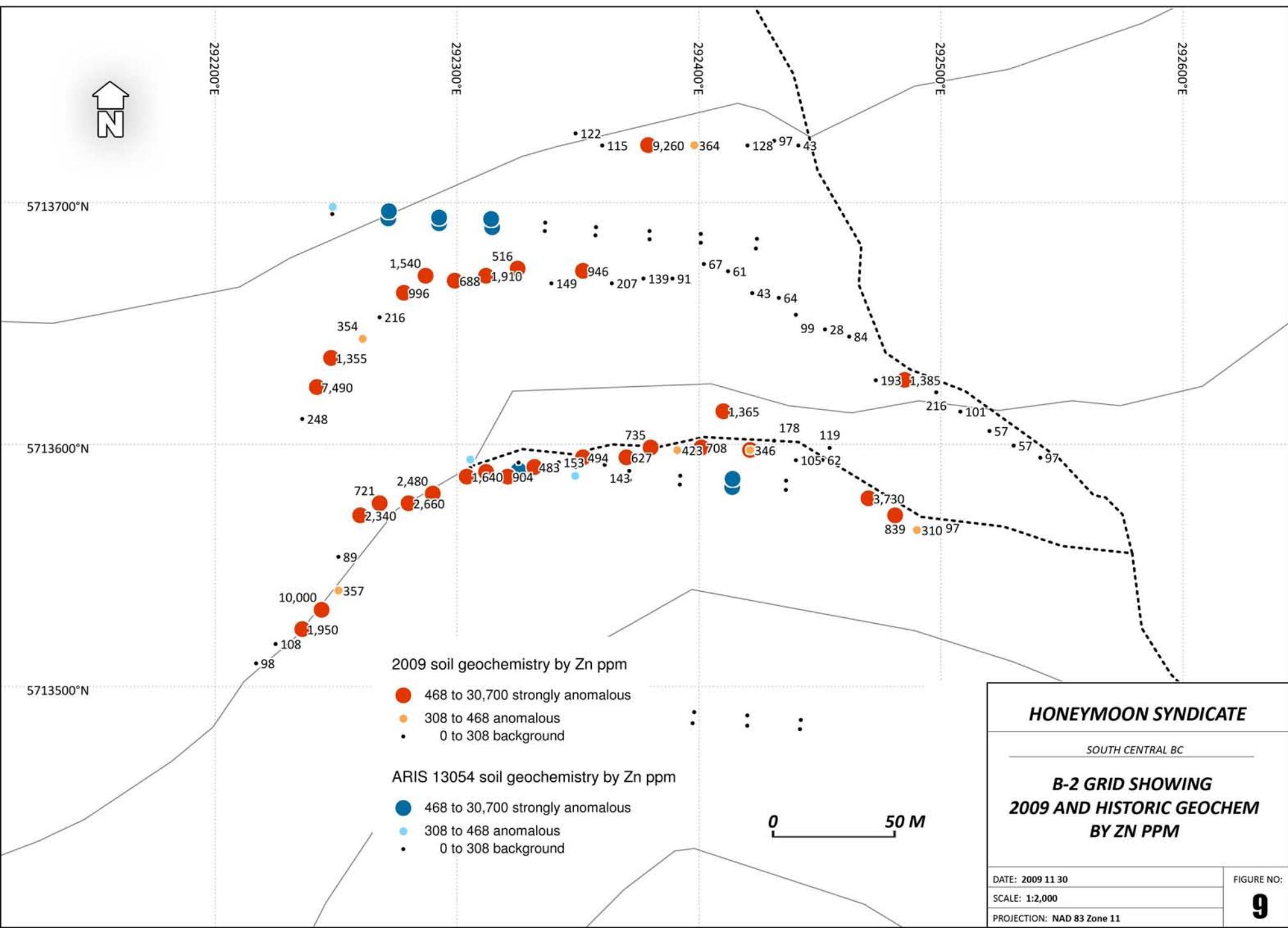


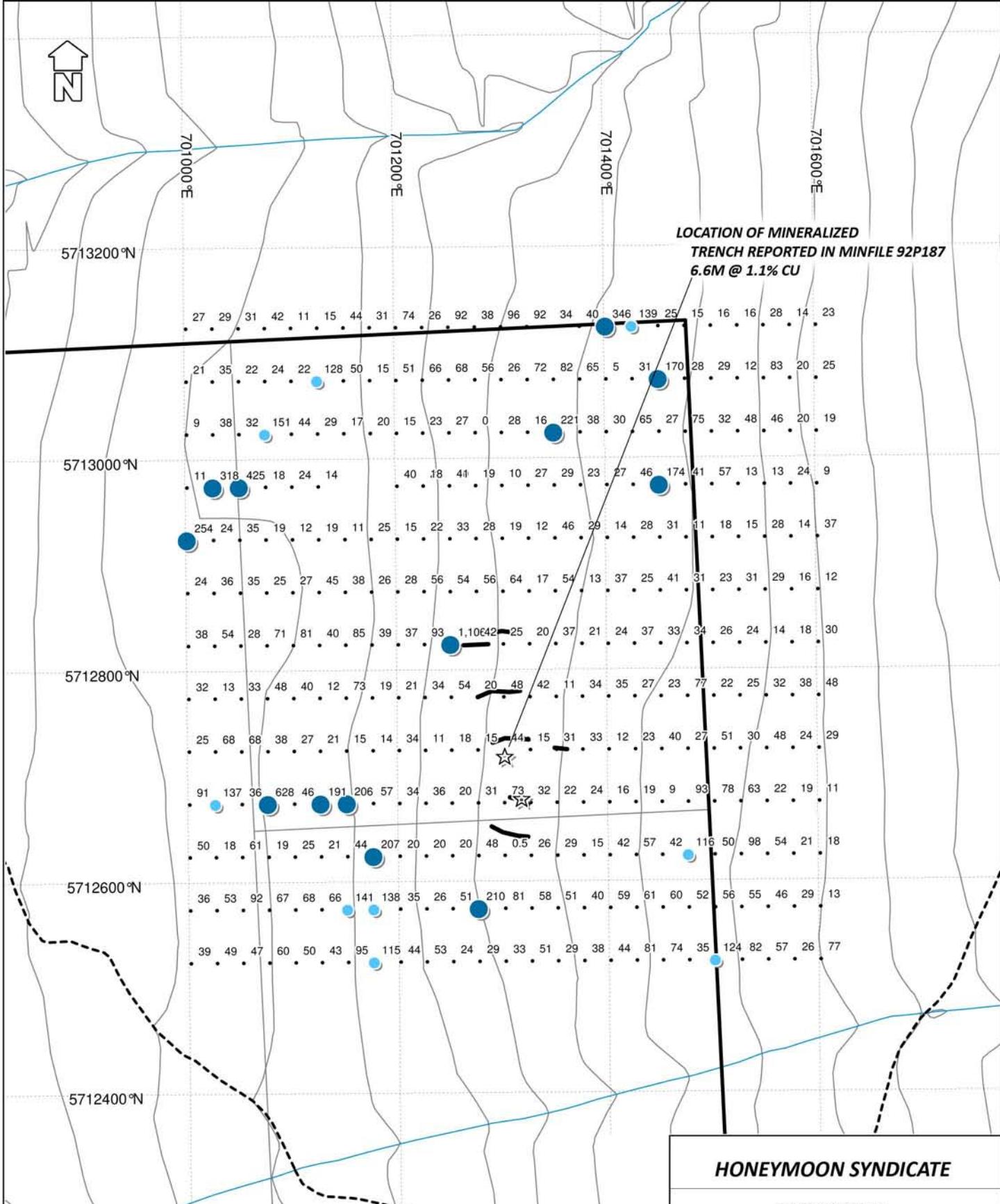












Historic Geochem by Cu ppm

- 155 to 1,106 Strongly Anomalous
- 105 to 155 Anomalous
- 0 to 105 Background
- Historic trenches

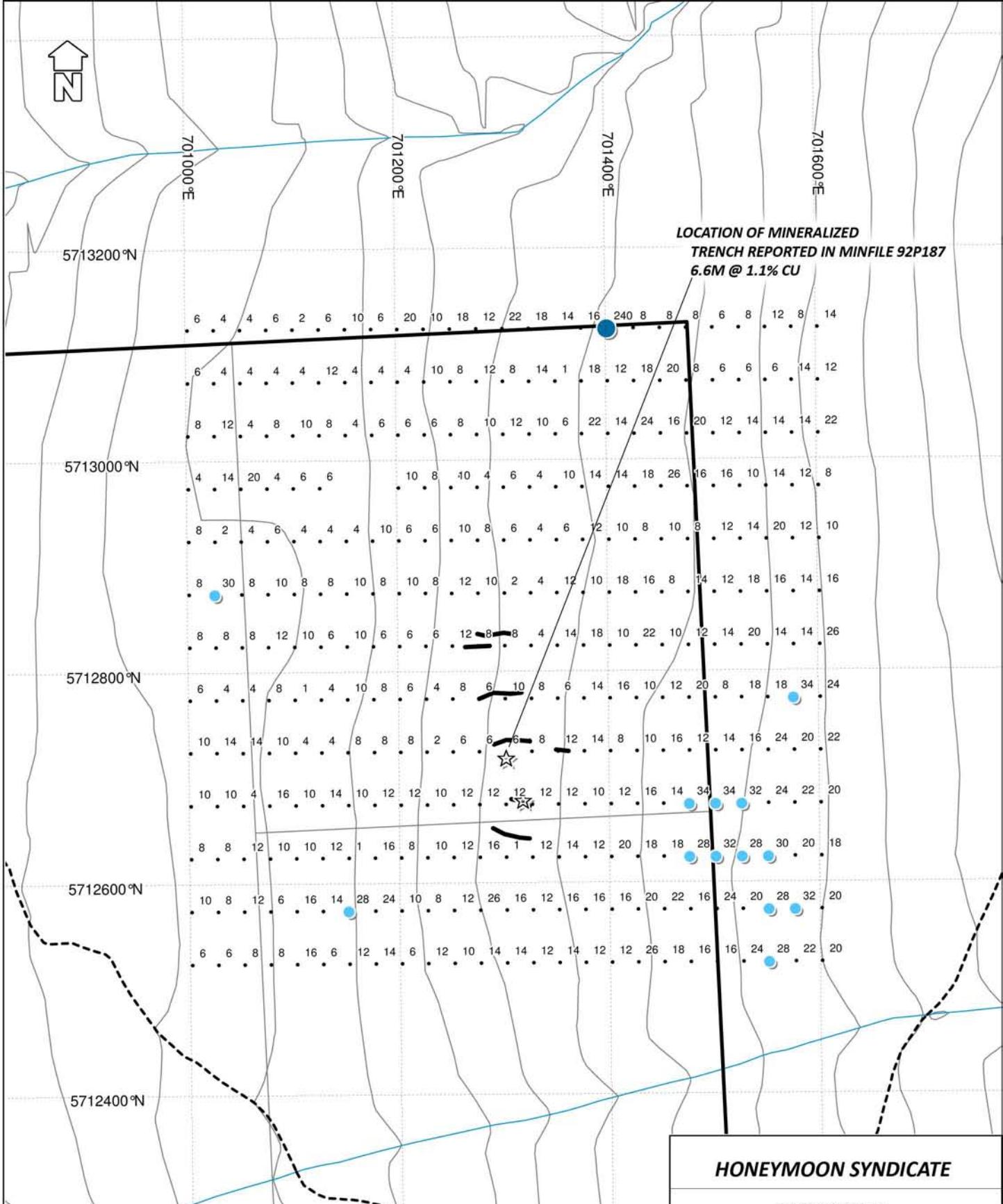
DATE: 2009 11 30

SCALE: 1:5,000

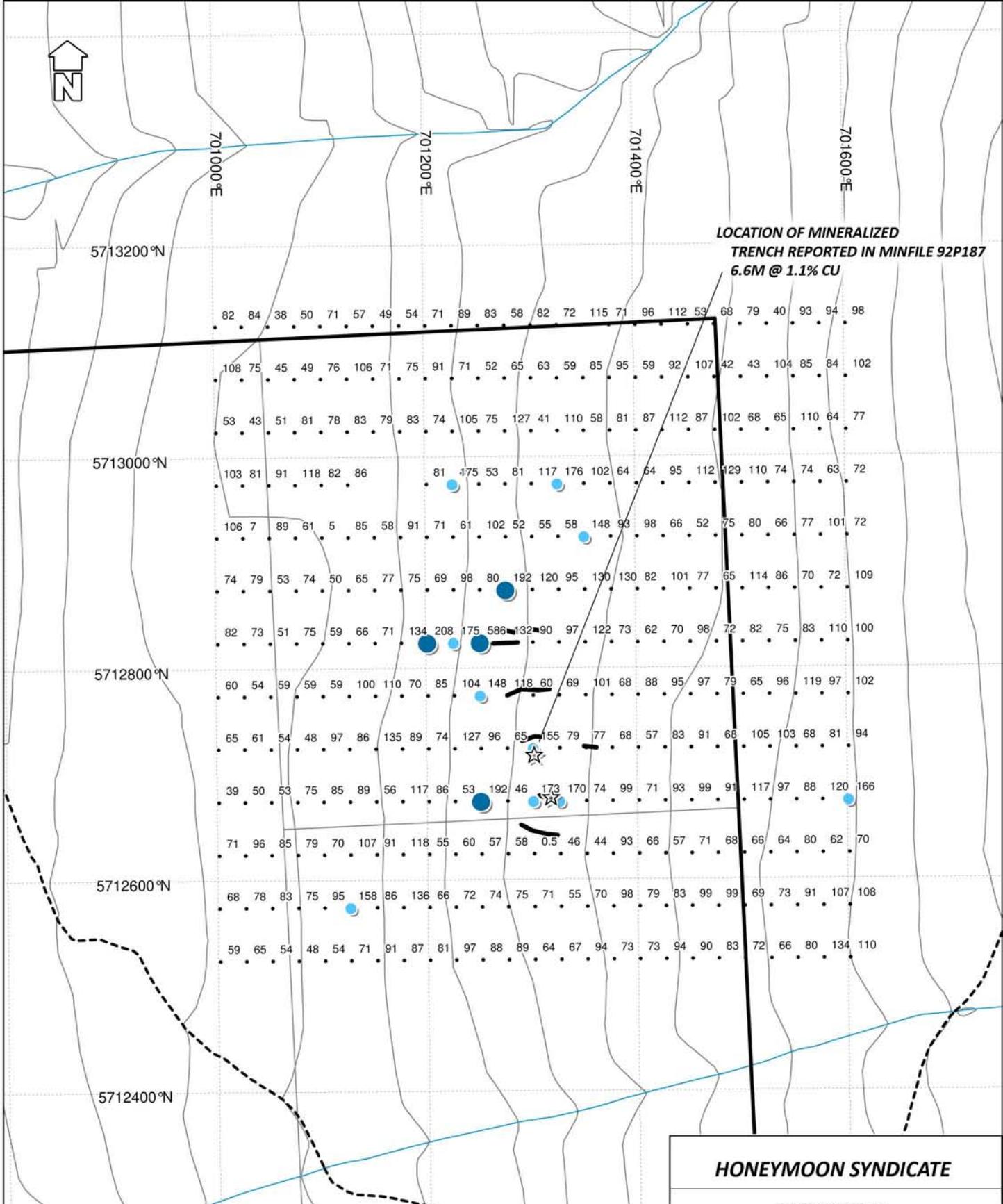
PROJECTION: NAD 83 Zone 10

FIGURE NO:

10



- 40 to 240 Strongly Anomalous
- 28 to 40 Anomalous
- 0 to 28 Background
- Historic trenches



Historic Geochem by Zn ppm

- 190 to 586 Strongly Anomalous
- 143 to 190 Anomalous
- 0 to 143 Background
- Historic trenches

**HONEYMOON SYNDICATE**

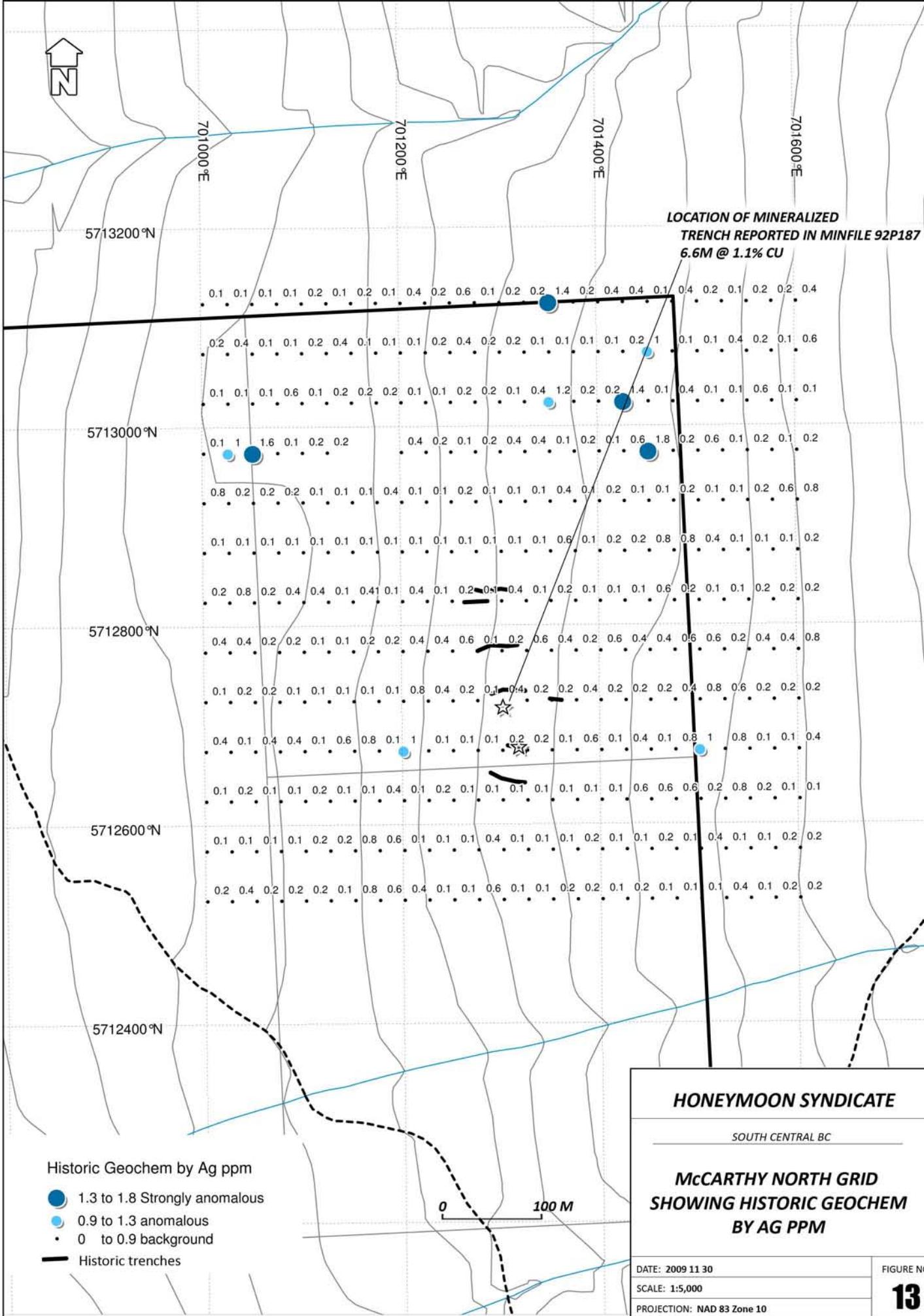
SOUTH CENTRAL BC

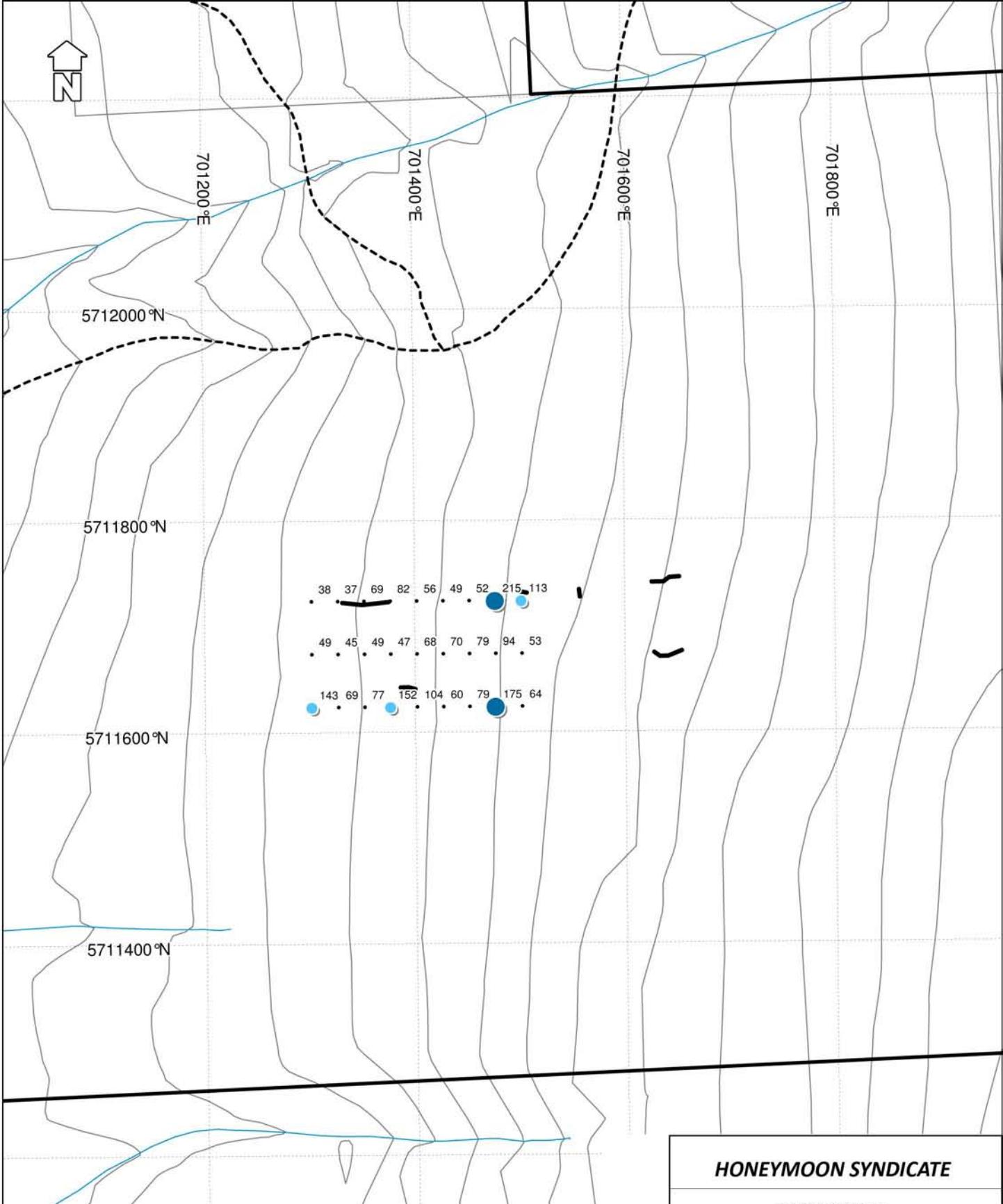
**McCARTHY NORTH GRID  
SHOWING HISTORIC GEOCHEM  
BY ZN PPM**

DATE: 2009 11 30

SCALE: 1:5,000

PROJECTION: NAD 83 Zone 10





**HONEYMOON SYNDICATE**

SOUTH CENTRAL BC

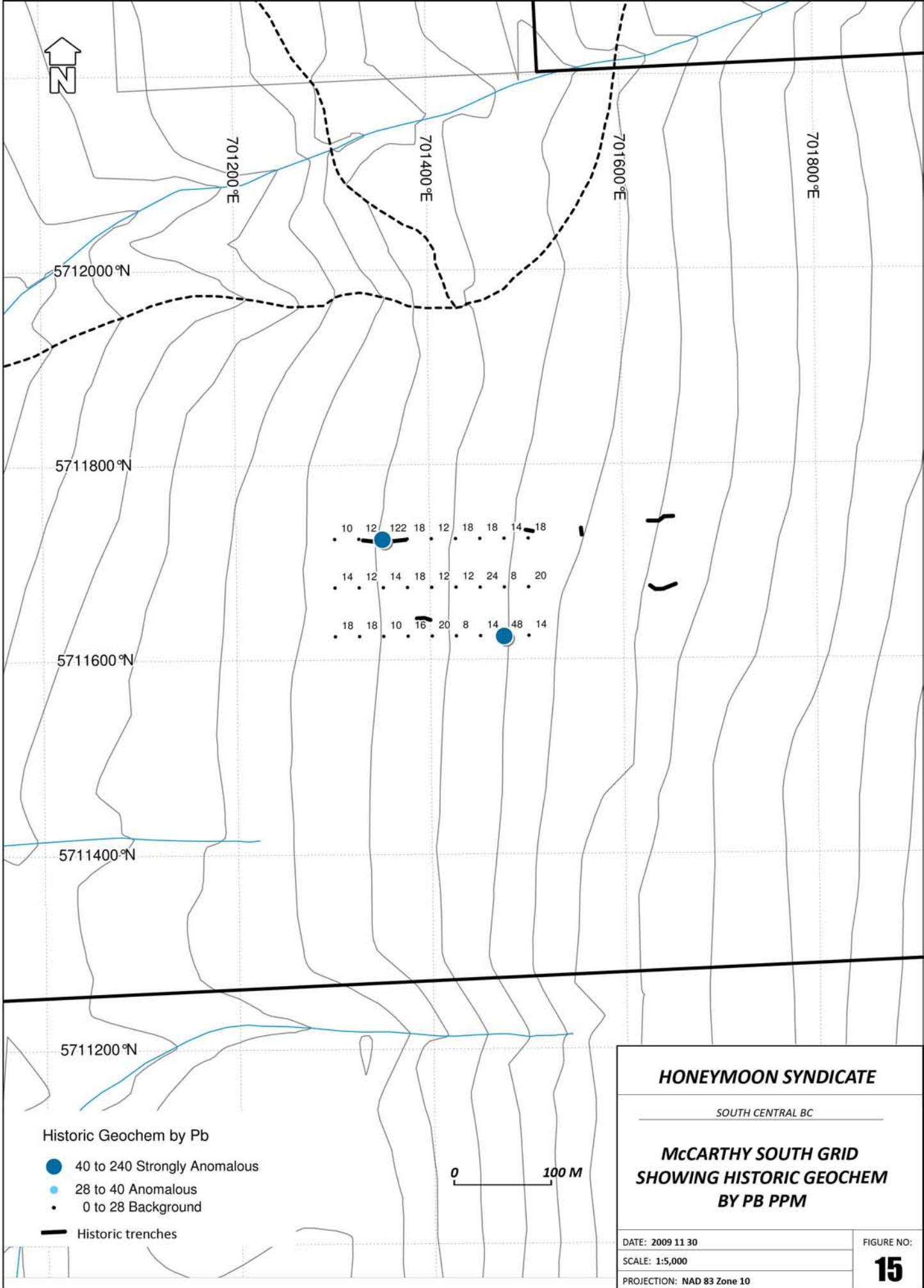
**McCARTHY SOUTH GRID  
SHOWING HISTORIC GEOCHEM  
BY CU PPM**

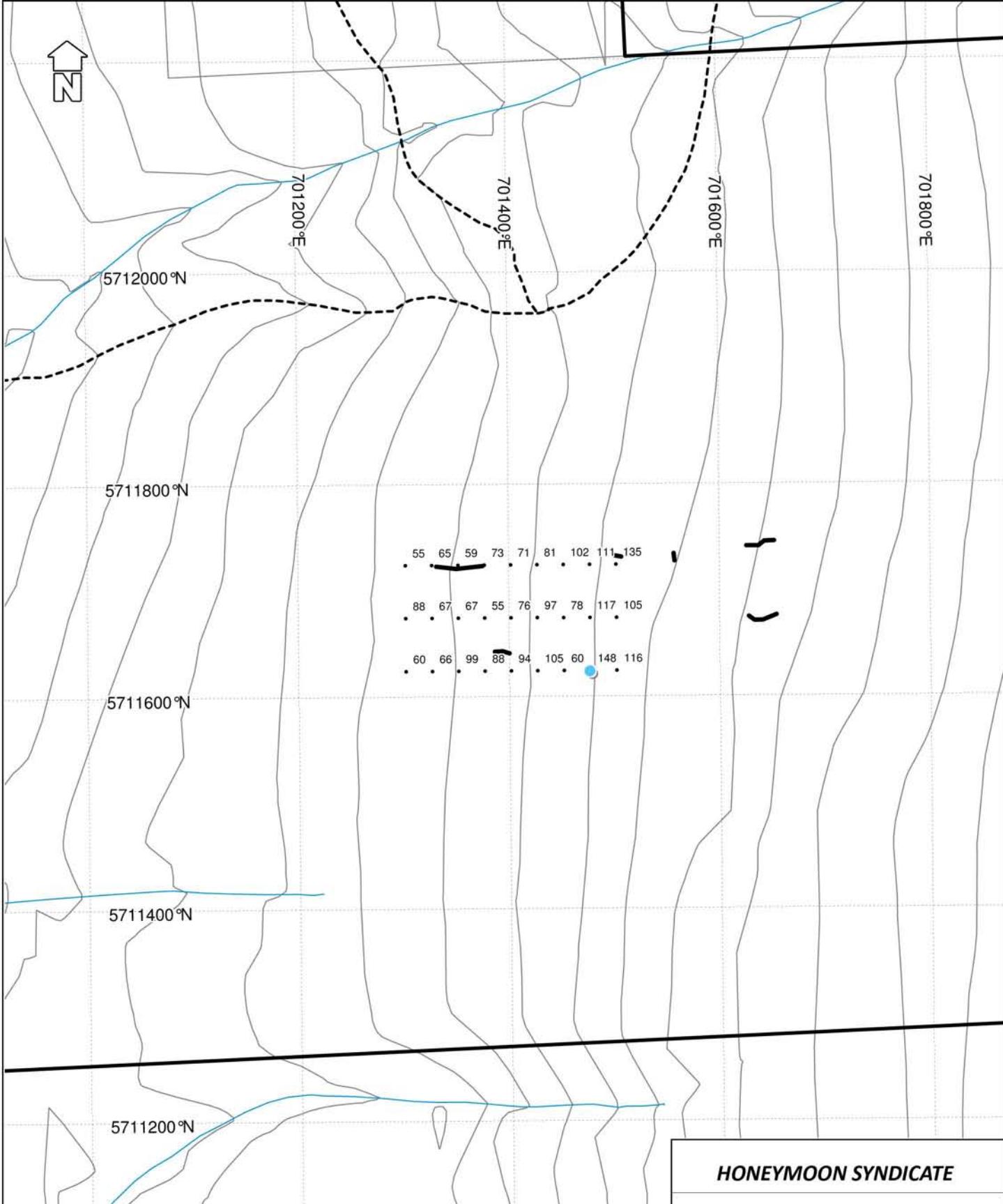
DATE: 2009 11 30

SCALE: 1:5,000

PROJECTION: NAD 83 Zone 10

FIGURE NO:  
**14**





**HONEYMOON SYNDICATE**

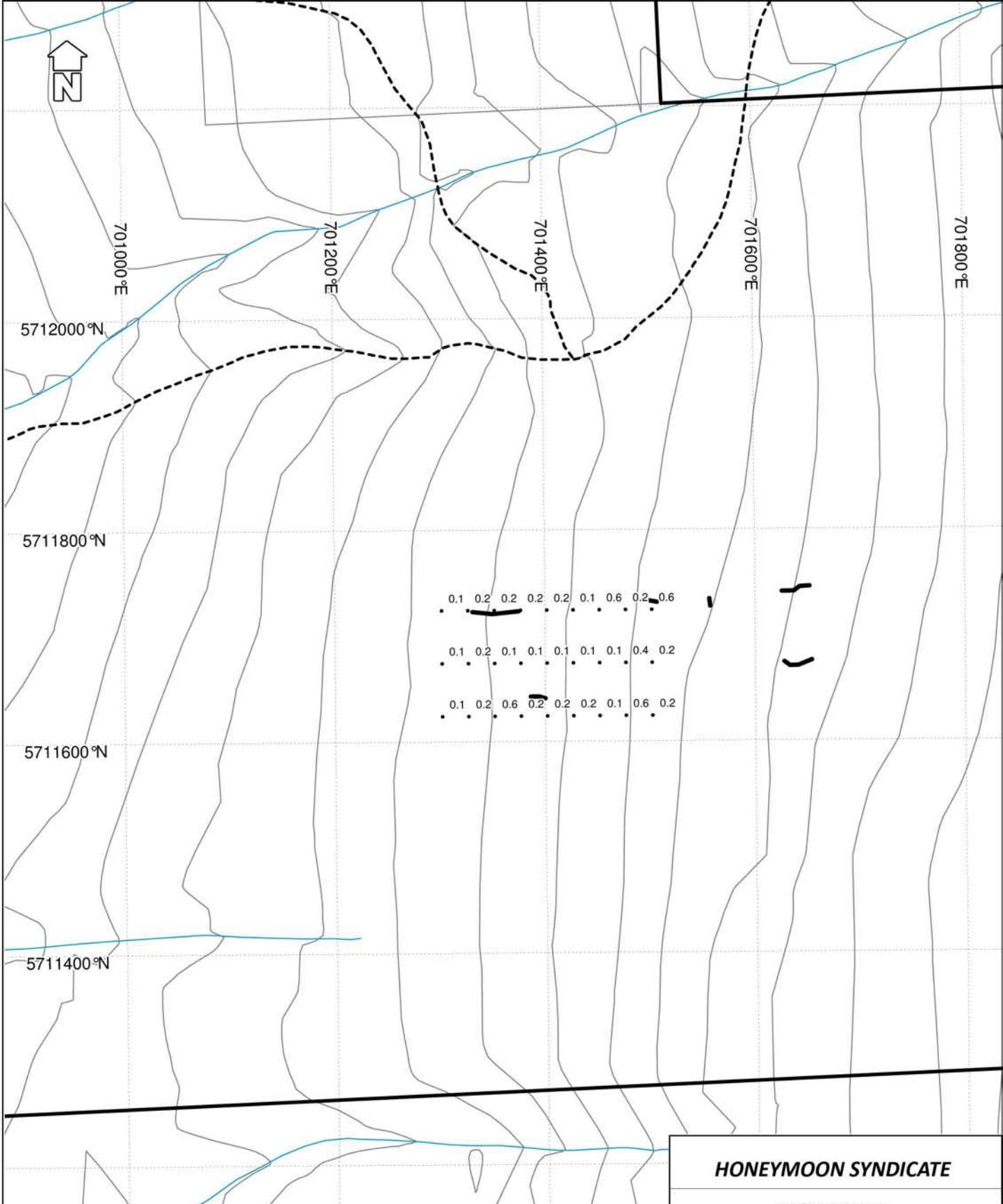
SOUTH CENTRAL BC

**McCARTHY SOUTH GRID  
SHOWING HISTORIC GEOCHEM  
BY ZN PPM**

DATE: 2009 11 30

SCALE: 1:5,000

PROJECTION: NAD 83 Zone 10



**HONEYMOON SYNDICATE**

SOUTH CENTRAL BC

**McCARTHY SOUTH GRID  
SHOWING HISTORIC GEOCHEM  
BY AG PPM**

DATE: 2009 11 30

SCALE: 1:5,000

PROJECTION: NAD 83 Zone 10

FIGURE NO:

**17**

# **APPENDIX 2**

## **-SOIL STATION LOCATIONS & ANALYTICAL CERTIFICATES-**

VA09073228 - Finalized

CLIENT : "PJA - Ram Exploration Ltd."

# of SAMPLES : 69

DATE RECEIVED : 2009-07-16 DATE FINALIZED : 2009-08-12

PROJECT : "HONEYMOON"

CERTIFICATE COMMENTS : ""

PO NUMBER : " "

SAMPLE DESCRIPTION	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	
292217E-5713510N	0.2	1.54		11 <10		160 <0.5		2	0.09	0.6	8	30
292225E-5713518N	0.3	2.35		12 <10		130	0.5	2	0.06	0.5	11	33
292236E-5713611N	4	3.92		33 <10		610	1.6	5	0.66	2.6	18	35
292236E-5713524N	0.9	2.91		11 <10		470	0.9	4	0.13	5.6	13	35
292242E-5713624N	1.1	3.16		51 <10		670	3.7	5	0.6	17	45	7
292244E-5713532N	0.6	3.43		12 <10		380	1.7 <2		0.77	28.9	29	5
292248E-5713636N	0.7	1.93		15 <10		250	0.5 <2		0.33	7.2	15	19
292251E-571354N	0.5	2.09		15 <10		150	0.5 <2		0.08	1.1	11	38
292251E-5713554N	0.4	0.89		4 <10		150 <0.5	<2		0.14	0.6	4	21
292260E-5713571N	0.3	2.72		20 <10		380	0.8 <2		0.27	5.5	23	52
292261E-5713644N	1.3	3.22		48 <10		310	1.2 <2		0.68	5.1	29	24
292268E-5713576N	0.5	1.95		8 <10		280	0.5 <2		0.15	2.1	8	33
292268E-5713653N	0.4	2.57		27 <10		180	0.5	2	0.16	0.5	17	50
292278E-5713663N	0.6	2.57		26 <10		300	0.6 <2		0.24	1.3	46	59
292280E-5713576N	0.5	2.85		23 <10		420	0.9 <2		0.28	7.2	24	54
292287E-5713670N	0.5	3.24		46 <10		350	0.5 <2		0.3	1.8	35	70
292290E-5713580N	0.9	2.68		13 <10		540	0.8 <2		0.5	17.1	19	41
292299E-5713668N	0.7	0.72		78 <10		80 <0.5	<2		0.04	4.6	20	11
292304E-5713587N	1.7	2.94		22 <10		630	1.1 <2		0.28	7.2	16	36
292312E-5713670N	0.8	1.83		93 <10		220	0.6 <2		0.06	11.6	24	24
292312E-5713589N	0.6	2.37		31 <10		970	0.7 <2		0.25	3.3	23	53
292321E-5713587N	3	2.84		65 <10		1080	0.9 <2		0.3	2.9	30	56
292325E-5713673N	1.8	2.69		71 <10		980	0.5 <2		0.12	3.8	14	40
292332E-5713591N	0.6	2.88		29 <10		150	0.5 <2		0.09	0.8	9	43

SAMPLE DESCRIPTION	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm
292339E-5713667N	1.4	1.91	22 <10		210 <0.5	<2		0.06	1.1	7	31
292342E-5713593N	1	2.27	28 <10		170 <0.5	<2		0.08	0.8	8	33
292349E-5713729N	0.7	2.57	8 <10		90 <0.5	<2		0.1	0.7	17	58
292352E-5713672N	0.5	1.39	64 <10		1220	1 <2		0.08	2.6	39	98
292352E-5713595N	0.6	2.76	24 <10		740	0.5 <2		0.14	2.5	16	45
292360E-5713724N	0.4	3.65	10 <10		80	0.5 <2		0.11	0.6	20	70
292361E-5713592N	1.4	2.32	30 <10		1070 <0.5	<2		0.06	1.1	5	33
292364E-5713667N	8.7	2.22	72 <10		1000	0.5 <2		0.26	1.1	11	40
292370E-5713595N	38.8	3.4	100 <10		3510	1.5 <2		0.33	11	13	67
292377E-5713669N	1.7	1.67	38 <10		110 <0.5	<2		0.06	0.8	6	30
292379E-5713724N	1.9	2.35	18 <10		640	1 <2		0.07	193.5	534	34
292380E-5713599N	7.7	2.03	128 <10		2440	1.4 <2		0.44	17.8	27	35
292389E-5713669N	0.8	2.57	9 <10		130 <0.5	<2		0.1	0.6	13	56
292391E-5713722N	0.2	1.89	10 <10		50 <0.5	<2		0.07	0.6	8	32
292391E-5713598N	10.4	1.63	52 <10		1180 <0.5	<2		0.13	2.4	4	23
292398E-5713724N	0.4	2.83	72 <10		80 <0.5	<2		0.06	1.4	15	53
292401E-5713599N	41.5	0.77	329 <10		70	0.7	28	0.01	1.4	1	16
292402E-5713675N	0.6	1.84	9 <10		90 <0.5	<2		0.07	0.8	11	43
292410E-5713614N	1.3	1.94	37 <10		790	0.8 <2		0.18	5.1	41	35
292410E-5713269N	0.5	1.6	11 <10		60 <0.5	<2		0.08	0.9	7	30
292412E-5713672N	1.1	2.19	6 <10		90	0.5 <2		0.06	0.6	8	35
292420E-5713724N	0.2	3.48	9 <10		80	0.6 <2		0.1	0.7	31	89
292421E-5713598N	1.2	1.94	44 <10		440	0.6 <2		0.08	1.4	13	31
292422E-5713663N	0.4	1.23	6 <10		60 <0.5	<2		0.04 <0.5		6	32
292431E-5713602N	0.5	2.09	13 <10		190 <0.5	<2		0.06	1	12	31
292431E-5713726N	<0.2	2.38	17 <10		100	0.7	3	0.2 <0.5		21	48
292433E-5713661N	0.5	2.08	7 <10		80 <0.5	<2		0.06 <0.5		10	42
292440E-5713594N	0.5	2.13	11 <10		90 <0.5	<2		0.09	0.6	12	33
292440E-5713654N	0.2	1.92	12 <10		120 <0.5	<2		0.09 <0.5		13	37
292441E-5713724N	0.5	2.06	6 <10		60 <0.5	<2		0.12	0.5	7	38
292451E-5713594N	0.2	1.78	12 <10		80 <0.5	<2		0.08 <0.5		7	25

	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41								
SAMPLE	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	
DESCRIPTION	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
292452E-5713648N	0.3	0.9		3 <10		80 <0.5	<2		0.04 <0.5		4	20
292454E-5713599N	0.2	2.3		18 <10		150	0.7 <2		0.11	0.5	16	38
292462E-5713645N	0.9	1.23		7 <10		70 <0.5	<2		0.13	0.7	9	30
292470E-5713578N	0.3	2.46		20 <10		280	1 <2		0.43	11.9	18	35
292473E-5713627N	0.4	2.71		11 <10		280	0.8 <2		0.5	1.1	8	25
292481E-5713571N	0.7	3.34		22 <10		310	1	2	0.63	4.1	32	57
292485E-5713627N	0.4	2.22		14 <10		260	0.9 <2		0.56	1	18	40
292490E-5713565N	0.6	1.71		31 <10		260	0.9 <2		0.49	0.8	22	33
292498E-5713622N	0.5	2.77		12 <10		250	0.9 <2		0.51	0.8	18	36
292500E-5713566N	0.7	2.63		13 <10		260	0.9 <2		0.45	0.7	19	33
292508E-5713614N	0.4	2.43		16 <10		240	0.9 <2		0.49	0.5	19	38
292520E-5713606N	0.3	2.3		9 <10		120	0.5 <2		0.14 <0.5		10	29
292530E-5713600N	0.6	2.7		8 <10		180	0.8 <2		0.44 <0.5		11	26
292541E-5713595N	0.7	2.73		12 <10		270	1.1 <2		0.67	0.5	15	40

VA09073228 - Finalized

CLIENT : "PJA - Ram Exploration Ltd."

# of SAMPLES : 69

DATE RECEIVED : 2009-07-16 DATE FINALIZED : 2009-08-12

## PROJECT : "HONEYMOON"

**CERTIFICATE COMMENTS : ""**

PO NUMBER : " "

	ME-ICP41											
SAMPLE	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	
DESCRIPTION	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	
292217E-5713510N	17	3.63	10 <1		0.05	20	0.61	256	2	0.01	15	
292225E-5713518N	15	3.71	10	1	0.04	20	0.7	413	1	0.01	15	
292236E-5713611N	168	5.47	10	1	0.06	30	0.55	1370	4	0.02	41	
292236E-5713524N	24	3.81	10	1	0.06	20	0.65	801	3	0.01	33	
292242E-5713624N	115	11.5	10	1	0.44	10	2.41	1240	3	0.01	141	
292244E-5713532N	38	9.01	10	1	0.38	10	2.7	1430	3	0.01	157	
292248E-5713636N	59	3.72	10 <1		0.05	20	0.8	618	2 <0.01		58	
292251E-571354N	24	4.04	10 <1		0.06	20	0.7	396	2	0.01	20	
292251E-5713554N	11	1.93	10 <1		0.04	10	0.29	94	1	0.01	9	
292260E-5713571N	46	4.46	10 <1		0.09	20	1.4	1020	2	0.01	81	
292261E-5713644N	135	5.09	10	1	0.03	10	0.75	1560	2	0.01	47	
292268E-5713576N	20	3.35	10 <1		0.05	20	0.63	231	3	0.01	26	
292268E-5713653N	95	4.92	10 <1		0.05	20	1.13	335	2	0.01	38	
292278E-5713663N	43	5.89	10 <1		0.03	10	0.91	853	4	0.01	127	
292280E-5713576N	74	4.53	10 <1		0.1	30	1.44	842	2	0.01	124	
292287E-5713670N	69	5.3	10 <1		0.03	20	1.54	635	2	0.01	165	
292290E-5713580N	106	3.88	10 <1		0.07	20	1.02	1190	3	0.01	127	
292299E-5713668N	89	4.7 <10	<1		0.01	10	0.03	573	2 <0.01		47	
292304E-5713587N	86	3.85	10 <1		0.07	20	0.65	369	3	0.01	81	
292312E-5713670N	119	8.47	10 <1		0.04	20	0.35	632	8	0.01	129	
292312E-5713589N	65	4.26	10 <1		0.09	30	1.4	866	4	0.01	83	
292321E-5713587N	136	5.95	10 <1		0.05	10	1.28	1080	10	0.01	79	
292325E-5713673N	41	4.97	10 <1		0.04	20	0.83	346	4	0.01	38	
292332E-5713591N	22	4.69	10 <1		0.04	20	0.78	212	2	0.01	28	

SAMPLE DESCRIPTION	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm
292339E-5713667N	49	3.97		10 <1		0.04	20	0.47	162	5	0.01
292342E-5713593N	27	4.19		10 <1		0.03	20	0.54	163	2	0.01
292349E-5713729N	34	4.36		10 <1		0.04	10	1.25	414 <1		0.01
292352E-5713672N	120	4.17	<10	<1		0.03	20	0.52	1620	10 <0.01	174
292352E-5713595N	55	4.83		10 <1		0.06	20	0.99	358	5	0.01
292360E-5713724N	29	5.46		10 <1		0.03	10	1.66	470	1	0.01
292361E-5713592N	26	4.02		10 <1		0.05	20	0.42	146	5	0.01
292364E-5713667N	144	4.34		10 <1		0.04	10	0.73	376	6	0.01
292370E-5713595N	359	3.78		10	3	0.09	20	0.94	320	9	0.01
292377E-5713669N	90	4.21		10 <1		0.03	10	0.44	227	5	0.01
292379E-5713724N	244	5.61	<10		1	0.04	10	0.44	36400	19	0.01
292380E-5713599N	359	3.06		10	1	0.06	20	0.28	1170	15	0.01
292389E-5713669N	37	4.3		10	1	0.04	10	1.16	332	1	0.01
292391E-5713722N	15	3.94		10	1	0.03	10	0.61	244	1	0.01
292391E-5713598N	238	3.89		10	5	0.05	20	0.24	117	13	0.02
292398E-5713724N	29	5.54		10 <1		0.03	10	1.17	368	1	0.01
292401E-5713599N	948	11.5	<10		1	0.11	10	0.04	46	66	0.05
292402E-5713675N	29	3.99		10	1	0.04	10	0.81	275	1	0.01
292410E-5713614N	744	5.16	<10		1	0.11	30	0.94	1500	4	0.01
292410E-5713269N	23	2.74		10 <1		0.04	10	0.5	300 <1		0.01
292412E-5713672N	24	2.99		10 <1		0.04	20	0.61	301	1	0.01
292420E-5713724N	56	5.85		10 <1		0.03	10	2.11	821 <1		0.01
292421E-5713598N	252	5.57		10 <1		0.05	20	0.43	259	7	0.01
292422E-5713663N	16	2.73		10 <1		0.04	20	0.51	174 <1		0.01
292431E-5713602N	41	4.09		10	1	0.05	20	0.62	407	1	0.01
292431E-5713726N	67	3.92		10 <1		0.11	30	1.24	625 <1	<0.01	32
292433E-5713661N	22	3.35		10 <1		0.04	20	0.75	259 <1		0.01
292440E-5713594N	26	3.84		10 <1		0.08	30	0.71	393	1 <0.01	18
292440E-5713654N	29	3.96		10 <1		0.06	20	0.85	366 <1		0.01
292441E-5713724N	14	3.41		10 <1		0.03	10	0.58	214	1	0.01
292451E-5713594N	18	3.38		10 <1		0.07	30	0.51	178	1	0.01

SAMPLE DESCRIPTION	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm
292452E-5713648N	8	1.65	10	1	0.04	20	0.33	193 <1		0.01	9
292454E-5713599N	52	3.6	10 <1		0.11	40	1.08	377 <1		0.01	23
292462E-5713645N	27	5.23	10 <1		0.02 <10		0.4	559	1	0.01	16
292470E-5713578N	45	3.65	10 <1		0.13	40	1.09	701 <1		0.01	131
292473E-5713627N	37	2.81	10 <1		0.06	30	0.51	250 <1		0.01	17
292481E-5713571N	112	5.59	10 <1		0.08	20	1.91	1370	1	0.01	61
292485E-5713627N	228	3.91 <10	<1		0.15	40	1.07	853	1	0.01	54
292490E-5713565N	298	3.88	10 <1		0.21	50	1	896	1	0.01	28
292498E-5713622N	140	3.72	10 <1		0.11	30	0.9	921	1	0.01	30
292500E-5713566N	104	3.8	10 <1		0.12	40	0.81	586	1	0.01	25
292508E-5713614N	140	3.77	10 <1		0.13	30	0.98	625 <1		0.01	28
292520E-5713606N	24	4.04	10 <1		0.05	20	0.56	342	1	0.01	14
292530E-5713600N	32	3.11	10 <1		0.05	30	0.42	185	1	0.01	13
292541E-5713595N	145	3.49	10 <1		0.09	40	0.72	403	1	0.01	26

VA09073228 - Finalized

CLIENT : "PJA - Ram Exploration Ltd."

# of SAMPLES : 69

DATE RECEIVED : 2009-07-16 DATE FINALIZED : 2009-08-12

PROJECT : "HONEYMOON"

CERTIFICATE COMMENTS : ""

PO NUMBER : " "

SAMPLE	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm	ME-ICP41 Th ppm	ME-ICP41 Ti %	ME-ICP41 Tl ppm	ME-ICP41 U ppm	ME-ICP41 V ppm
DESCRIPTION											
292217E-5713510N	500	126	0.02 <2		2	22 <20		0.07 <10	<10		73
292225E-5713518N	350	88 <0.01	<2		3	18 <20		0.08 <10	<10		83
292236E-5713611N	1170	552	0.05	4	14	81 <20		0.06 <10	<10		103
292236E-5713524N	610	264	0.02 <2		4	29 <20		0.07 <10	<10		83
292242E-5713624N	850	1200	0.04	8	34	52 <20		0.27 <10	<10		659
292244E-5713532N	1000	44	0.01	7	28	139 <20		0.3 <10	<10		307
292248E-5713636N	560	53	0.01	2	5	37 <20		0.04 <10	<10		84
292251E-571354N	520	112	0.01	2	4	17 <20		0.09 <10	<10		92
292251E-5713554N	310	43	0.01 <2		2	23 <20		0.08 <10	<10		75
292260E-5713571N	640	198 <0.01		2	7	42 <20		0.05 <10	<10		91
292261E-5713644N	680	37	0.06	3	8	44 <20		0.08 <10	<10		120
292268E-5713576N	400	106	0.01 <2		3	23 <20		0.07 <10	<10		82
292268E-5713653N	400	127	0.01	3	5	22 <20		0.09 <10	<10		100
292278E-5713663N	470	43	0.02	2	4	20 <20		0.05 <10	<10		104
292280E-5713576N	690	236	0.01	2	8	50 <20		0.05 <10	<10		93
292287E-5713670N	590	154	0.01	5	6	34 <20		0.02 <10	<10		105
292290E-5713580N	840	134	0.03	4	4	68 <20		0.05 <10	<10		86
292299E-5713668N	600	83	0.01	3	1	3 <20		0.01 <10	<10		6
292304E-5713587N	650	210	0.03	2	5	46 <20		0.07 <10	<10		81
292312E-5713670N	760	181	0.04	9	4	15 <20		0.04 <10	<10		41
292312E-5713589N	1190	508	0.03	4	7	71 <20		0.05 <10	<10		86
292321E-5713587N	2190	2590	0.11	9	8	132 <20		0.02 <10	<10		122
292325E-5713673N	890	123	0.05	5	3	36 <20		0.05 <10	<10		82
292332E-5713591N	680	130	0.02 <2		4	19 <20		0.08 <10	<10		96

SAMPLE DESCRIPTION	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm	ME-ICP41 Th ppm	ME-ICP41 Ti %	ME-ICP41 Ti ppm	ME-ICP41 U ppm	ME-ICP41 V ppm
292339E-5713667N		740	119	0.02	3	2	16 <20		0.05 <10	<10	77
292342E-5713593N		1010	218	0.03	3	2	32 <20		0.05 <10	<10	72
292349E-5713729N		710	43	0.01 <2		5	13 <20		0.06 <10	<10	97
292352E-5713672N		970	689	0.02	11	9	13 <20	<0.01	<10	<10	54
292352E-5713595N		1080	132	0.03 <2		3	31 <20		0.04 <10	<10	92
292360E-5713724N		590	45	0.01	2	8	11 <20		0.1 <10	<10	122
292361E-5713592N		1250	98	0.05 <2		2	25 <20		0.05 <10	<10	99
292364E-5713667N		2060	509	0.03	42	2	46 <20		0.04 <10	<10	79
292370E-5713595N	>10000		104	0.08	6	8	101 <20		0.02 <10	20	83
292377E-5713669N		990	196	0.02	4	2	19 <20		0.04 <10	<10	75
292379E-5713724N		1190	34	0.04	36	4	21 <20		0.06 <10	<10	57
292380E-5713599N		6320	278	0.08	18	1	220 <20		0.01 <10	10	87
292389E-5713669N		660	86	0.02 <2		3	13 <20		0.05 <10	<10	95
292391E-5713722N		410	18	0.01 <2		4	8 <20		0.11 <10	<10	92
292391E-5713598N		1760	2590	0.16	18	1	74 <20		0.02 <10	<10	57
292398E-5713724N		520	38	0.02	2	6	11 <20		0.08 <10	<10	115
292401E-5713599N		4850	>10000	1.79	101	3	141 <20		0.01 <10	<10	26
292402E-5713675N		620	141	0.03 <2		2	12 <20		0.06 <10	<10	93
292410E-5713614N		1150	1125	0.03	2	12	66 <20		0.03 <10	<10	44
292410E-5713269N		450	40	0.02 <2		2	12 <20		0.06 <10	<10	71
292412E-5713672N		440	74	0.01 <2		3	13 <20		0.06 <10	<10	67
292420E-5713724N		410	44	0.01	3	11	8 <20		0.08 <10	<10	147
292421E-5713598N		1210	787	0.05	2	4	38 <20		0.04 <10	<10	54
292422E-5713663N		520	32	0.01 <2		1	12 <20		0.04 <10	<10	65
292431E-5713602N		570	57	0.02 <2		2	18 <20		0.05 <10	<10	74
292431E-5713726N		880	60 <0.01	<2		6	36 <20		0.05 <10	<10	67
292433E-5713661N		510	37	0.01 <2		3	15 <20		0.05 <10	<10	70
292440E-5713594N		650	43	0.01 <2		2	29 <20		0.06 <10	<10	57
292440E-5713654N		660	35	0.01 <2		3	23 <20		0.05 <10	<10	76
292441E-5713724N		430	22	0.03 <2		4	10 <20		0.1 <10	<10	82
292451E-5713594N		500	28	0.01 <2		2	30 <20		0.07 <10	<10	71

SAMPLE DESCRIPTION	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm	ME-ICP41 Sr ppm	ME-ICP41 Th ppm	ME-ICP41 Ti %	ME-ICP41 Tl ppm	ME-ICP41 U ppm	ME-ICP41 V ppm
292452E-5713648N	370	20	0.01	<2		1	14 <20	0.04	<10	<10	52
292454E-5713599N	560	56	<0.01	<2		4	40 <20	0.05	<10	<10	53
292462E-5713645N	530	30	0.02	<2		4	11 <20	0.09	<10	<10	126
292470E-5713578N	1060	89	0.01	<2		6	77 <20	0.05	<10	<10	53
292473E-5713627N	520	40	0.01	<2		2	50 <20	0.05	<10	<10	45
292481E-5713571N	960	224	0.04	<2		16	50 <20	0.04	<10	<10	119
292485E-5713627N	1130	53	0.02		2	9	67 <20	0.05	<10	<10	51
292490E-5713565N	1150	92	0.01		2	13	69 <20	0.05	<10	<10	47
292498E-5713622N	850	53	0.02	<2		6	66 <20	0.05	<10	<10	52
292500E-5713566N	860	67	0.02	<2		5	52 <20	0.05	<10	<10	50
292508E-5713614N	780	58	0.01	<2		7	61 <20	0.04	<10	<10	51
292520E-5713606N	360	30	0.02	<2		3	23 <20	0.07	<10	<10	80
292530E-5713600N	550	37	0.03	<2		2	40 <20	0.07	<10	<10	49
292541E-5713595N	720	51	0.02		2	11	56 <20	0.05	<10	<10	53

VA09073228 - Finalized

CLIENT : "PJA - Ram Exploration Ltd."

# of SAMPLES : 69

DATE RECEIVED : 2009-07-16 DATE FINALIZED : 2009-08-12

PROJECT : "HONEYMOON"

CERTIFICATE COMMENTS : ""

PO NUMBER : " "

SAMPLE	ME-ICP41 W ppm	ME-ICP41 Zn ppm	Pb-OG46 Pb %	Zn-OG46 Zn %
292217E-5713510N	<10		98	
292225E-5713518N	<10		108	
292236E-5713611N	<10		248	
292236E-5713524N	<10		1950	
292242E-5713624N	<10		7490	
292244E-5713532N	<10	>10000		3.07
292248E-5713636N	<10		1355	
292251E-571354N	<10		357	
292251E-5713554N	<10		89	
292260E-5713571N	<10		2340	
292261E-5713644N	<10		354	
292268E-5713576N	<10		721	
292268E-5713653N	<10		216	
292278E-5713663N	<10		996	
292280E-5713576N	<10		2660	
292287E-5713670N	<10		1540	
292290E-5713580N	<10		2480	
292299E-5713668N	<10		688	
292304E-5713587N	<10		1640	
292312E-5713670N	<10		1910	
292312E-5713589N	<10		1355	
292321E-5713587N	<10		904	
292325E-5713673N	<10		516	
292332E-5713591N	<10		483	

	ME-ICP41	ME-ICP41	Pb-OG46	Zn-OG46
SAMPLE	W	Zn	Pb	Zn
DESCRIPTION	ppm	ppm	%	%
292339E-5713667N	<10		149	
292342E-5713593N	<10		153	
292349E-5713729N	<10		122	
292352E-5713672N	<10		946	
292352E-5713595N	<10		494	
292360E-5713724N	<10		115	
292361E-5713592N	<10		143	
292364E-5713667N	<10		207	
292370E-5713595N	<10		627	
292377E-5713669N	<10		139	
292379E-5713724N	<10		9260	
292380E-5713599N	<10		735	
292389E-5713669N	<10		91	
292391E-5731722N	<10		143	
292391E-5713598N	<10		423	
292398E-5713724N	<10		364	
292401E-5713599N	<10	708	4.47	
292402E-5713675N	<10		67	
292410E-5713614N	<10		1365	
292410E-5713269N	<10		346	
292412E-5713672N	<10		61	
292420E-5713724N	<10		128	
292421E-5713598N	<10		477	
292422E-5713663N	<10		43	
292431E-5713602N	<10		178	
292431E-5713726N	<10		97	
292433E-5713661N	<10		64	
292440E-5713594N	<10		105	
292440E-5713654N	<10		99	
292441E-5713724N	<10		43	
292451E-5713594N	<10		62	

	ME-ICP41	ME-ICP41	Pb-OG46	Zn-OG46
SAMPLE	W	Zn	Pb	Zn
DESCRIPTION	ppm	ppm	%	%
292452E-5713648N	<10		28	
292454E-5713599N	<10		119	
292462E-5713645N	<10		84	
292470E-5713578N	<10		3730	
292473E-5713627N	<10		193	
292481E-5713571N	<10		839	
292485E-5713627N	<10		1385	
292490E-5713565N	<10		310	
292498E-5713622N	<10		216	
292500E-5713566N	<10		97	
292508E-5713614N	<10		101	
292520E-5713606N	<10		57	
292530E-5713600N	<10		57	
292541E-5713595N	<10		97	

# **APPENDIX 3**

## **-HISTORIC SOIL LOCATIONS-**

### **Teck 1992 (ARIS: 22686)**

North	East	Northing	Easting	Au_ppb	Ag_ppm	Cu_ppm	Pb_ppm	Zn_ppm
8900	10300	5711624	701302	<5	<0.2	143	18	60
8900	10325	5711624	701327	<5	0.2	69	18	66
8900	10350	5711624	701352	5	0.6	77	10	99
8900	10375	5711624	701377	<5	0.2	152	16	88
8900	10400	5711624	701402	<5	0.2	104	20	94
8900	10425	5711624	701427	<5	0.2	60	8	105
8900	10450	5711624	701452	<5	<0.2	79	14	60
8900	10475	5711624	701477	5	0.6	175	48	148
8900	10500	5711624	701502	<5	0.2	64	14	116
8950	10300	5711674	701302	5	<0.2	49	14	88
8950	10325	5711674	701327	<5	0.2	45	12	67
8950	10350	5711674	701352	<5	<0.2	49	14	67
8950	10375	5711674	701377	<5	<0.2	47	18	55
8950	10400	5711674	701402	<5	<0.2	68	12	76
8950	10425	5711674	701427	<5	<0.2	70	12	97
8950	10450	5711674	701452	<5	<0.2	79	24	78
8950	10475	5711674	701477	<5	0.4	94	8	117
8950	10500	5711674	701502	<5	0.2	53	20	105
9000	10300	5711724	701302	<5	<0.2	38	10	55
9000	10325	5711724	701327	<5	0.2	37	12	65
9000	10350	5711724	701352	<5	0.2	69	122	59
9000	10375	5711724	701377	<5	0.2	82	18	73
9000	10400	5711724	701402	<5	0.2	56	12	71
9000	10425	5711724	701427	<5	<0.2	49	18	81
9000	10450	5711724	701452	<5	0.6	52	18	102
9000	10475	5711724	701477	<5	0.2	215	14	111
9000	10500	5711724	701502	<5	0.6	113	18	135
9800	10000	5712524	701002	<5	0.2	39	6	59
9800	10025	5712524	701027	15	0.4	49	6	65
9800	10050	5712524	701052	<5	0.2	47	8	54
9800	10075	5712524	701077	<5	0.2	60	8	48
9800	10100	5712524	701102	<5	0.2	50	16	54
9800	10125	5712524	701127	<5	<0.2	43	6	71
9800	10150	5712524	701152	<5	0.8	95	12	91
9800	10175	5712524	701177	<5	0.6	115	14	87
9800	10200	5712524	701202	<5	0.4	44	6	81
9800	10225	5712524	701227	<5	<0.2	53	12	97
9800	10250	5712524	701252	<5	<0.2	24	10	88
9800	10275	5712524	701277	<5	0.6	29	14	89
9800	10300	5712524	701302	<5	<0.2	33	14	64
9800	10325	5712524	701327	<5	<0.2	51	12	67
9800	10350	5712524	701352	<5	0.2	29	14	94
9800	10375	5712524	701377	<5	0.2	38	12	73
9800	10400	5712524	701402	<5	<0.2	44	12	73
9800	10425	5712524	701427	<5	0.2	81	26	94
9800	10450	5712524	701452	<5	<0.2	74	18	90
9800	10475	5712524	701477	<5	<0.2	35	16	83
9800	10500	5712524	701502	<5	<0.2	124	16	72
9800	10525	5712524	701527	<5	0.4	82	24	66

North	East	Northing	Easting	Au_ppb	Ag_ppm	Cu_ppm	Pb_ppm	Zn_ppm
9800	10550	5712524	701552	20	<0.2	57	28	80
9800	10575	5712524	701577	<5	0.2	26	22	134
9800	10600	5712524	701602	<5	0.2	77	20	110
9850	10000	5712574	701002	<5	<0.2	36	10	68
9850	10025	5712574	701027	<5	<0.2	53	8	78
9850	10050	5712574	701052	<5	<0.2	92	12	83
9850	10075	5712574	701077	<5	<0.2	67	6	75
9850	10100	5712574	701102	<5	0.2	68	16	95
9850	10125	5712574	701127	<5	0.2	66	14	158
9850	10150	5712574	701152	<5	0.8	141	28	86
9850	10175	5712574	701177	<5	0.6	138	24	136
9850	10200	5712574	701202	<5	<0.2	35	10	66
9850	10225	5712574	701227	<5	<0.2	26	8	72
9850	10250	5712574	701252	<5	<0.2	51	12	74
9850	10275	5712574	701277	<5	0.4	210	26	75
9850	10300	5712574	701302	<5	<0.2	81	16	71
9850	10325	5712574	701327	<5	<0.2	58	12	55
9850	10350	5712574	701352	<5	<0.2	51	16	70
9850	10375	5712574	701377	<5	0.2	40	16	98
9850	10400	5712574	701402	<5	<0.2	59	16	79
9850	10425	5712574	701427	<5	<0.2	61	20	83
9850	10450	5712574	701452	<5	0.2	60	22	99
9850	10475	5712574	701477	<5	<0.2	52	16	99
9850	10500	5712574	701502	<5	0.4	56	24	69
9850	10525	5712574	701527	<5	<0.2	55	20	73
9850	10550	5712574	701552	10	<0.2	46	28	91
9850	10575	5712574	701577	<5	0.2	29	32	107
9850	10600	5712574	701602	<5	0.2	13	20	108
9900	10000	5712624	701002	<5	<0.2	50	8	71
9900	10025	5712624	701027	<5	0.2	18	8	96
9900	10050	5712624	701052	<5	<0.2	61	12	85
9900	10075	5712624	701077	<5	<0.2	19	10	79
9900	10100	5712624	701102	<5	0.2	25	10	70
9900	10125	5712624	701127	<5	<0.2	21	12	107
9900	10150	5712624	701152	<5	<0.2	44	1	91
9900	10175	5712624	701177	<5	0.4	207	16	118
9900	10200	5712624	701202	<5	<0.2	20	8	55
9900	10225	5712624	701227	<5	0.2	20	10	60
9900	10250	5712624	701252	<5	<0.2	20	12	57
9900	10275	5712624	701277	<5	<0.2	48	16	58
9900	10300	5712624	701302	<5	<0.2		1	0.5
9900	10325	5712624	701327	<5	<0.2	26	12	46
9900	10350	5712624	701352	<5	<0.2	29	14	44
9900	10375	5712624	701377	<5	<0.2	15	12	93
9900	10400	5712624	701402	<5	<0.2	42	20	66
9900	10425	5712624	701427	<5	0.6	57	18	57
9900	10450	5712624	701452	<5	0.6	42	18	71
9900	10475	5712624	701477	<5	0.6	116	28	68
9900	10500	5712624	701502	<5	0.2	50	32	66

North	East	Northing	Easting	Au_ppb	Ag_ppm	Cu_ppm	Pb_ppm	Zn_ppm
9900	10525	5712624	701527	<5	0.8	98	28	64
9900	10550	5712624	701552	<5	0.2	54	30	80
9900	10575	5712624	701577	<5	<0.2	21	20	62
9900	10600	5712624	701602	<5	<0.2	18	18	70
9950	10000	5712674	701002	<5	0.4	91	10	39
9950	10025	5712674	701027	<5	<0.2	137	10	50
9950	10050	5712674	701052	<5	0.4	36	4	53
9950	10075	5712674	701077	<5	0.4	628	16	75
9950	10100	5712674	701102	<5	<0.2	46	10	85
9950	10125	5712674	701127	<5	0.6	191	14	89
9950	10150	5712674	701152	<5	0.8	206	10	56
9950	10175	5712674	701177	<5	<0.2	57	12	117
9950	10200	5712674	701202	<5	1	34	12	86
9950	10225	5712674	701227	<5	<0.2	36	10	53
9950	10250	5712674	701252	<5	<0.2	20	12	192
9950	10275	5712674	701277	<5	<0.2	31	12	46
9950	10300	5712674	701302	<5	0.2	73	12	173
9950	10325	5712674	701327	<5	0.2	32	12	170
9950	10350	5712674	701352	<5	<0.2	22	12	74
9950	10375	5712674	701377	<5	0.6	24	10	99
9950	10400	5712674	701402	<5	<0.2	16	12	71
9950	10425	5712674	701427	<5	0.4	19	16	93
9950	10450	5712674	701452	<5	<0.2	9	14	99
9950	10475	5712674	701477	<5	0.8	93	34	91
9950	10500	5712674	701502	<5	1	78	34	117
9950	10525	5712674	701527	<5	0.8	63	32	97
9950	10550	5712674	701552	<5	<0.2	22	24	88
9950	10575	5712674	701577	<5	<0.2	19	22	120
9950	10600	5712674	701602	<5	0.4	11	20	166
10000	10000	5712724	701002	<5	<0.2	25	10	65
10000	10025	5712724	701027	<5	0.2	68	14	61
10000	10050	5712724	701052	<5	0.2	68	14	54
10000	10075	5712724	701077	<5	<0.2	38	10	48
10000	10100	5712724	701102	<5	<0.2	27	4	97
10000	10125	5712724	701127	<5	<0.2	21	4	86
10000	10150	5712724	701152	<5	<0.2	15	8	135
10000	10175	5712724	701177	<5	<0.2	14	8	89
10000	10200	5712724	701202	<5	0.8	34	8	74
10000	10225	5712724	701227	<5	0.4	11	2	127
10000	10250	5712724	701252	<5	0.2	18	6	96
10000	10275	5712724	701277	<5	<0.2	15	6	65
10000	10300	5712724	701302	<5	0.4	44	6	155
10000	10325	5712724	701327	<5	0.2	15	8	79
10000	10350	5712724	701352	<5	0.2	31	12	77
10000	10375	5712724	701377	<5	0.4	33	14	68
10000	10400	5712724	701402	<5	0.2	12	8	57
10000	10425	5712724	701427	10	0.2	23	10	83
10000	10450	5712724	701452	15	0.2	40	16	91
10000	10475	5712724	701477	<5	0.4	27	12	68

North	East	Northing	Easting	Au_ppb	Ag_ppm	Cu_ppm	Pb_ppm	Zn_ppm
10000	10500	5712724	701502	<5	0.8	51	14	105
10000	10525	5712724	701527	<5	0.6	30	16	103
10000	10550	5712724	701552	<5	0.2	48	24	68
10000	10575	5712724	701577	<5	0.2	24	20	81
10000	10600	5712724	701602	<5	0.2	29	22	94
10050	10000	5712774	701002	<5	0.4	32	6	60
10050	10025	5712774	701027	<5	0.4	13	4	54
10050	10050	5712774	701052	45	0.2	33	4	59
10050	10075	5712774	701077	<5	0.2	48	8	59
10050	10100	5712774	701102	<5	<0.2	40	1	59
10050	10125	5712774	701127	<5	<0.2	12	4	100
10050	10150	5712774	701152	<5	0.2	73	10	110
10050	10175	5712774	701177	<5	0.2	19	8	70
10050	10200	5712774	701202	<5	0.4	21	6	85
10050	10225	5712774	701227	<5	0.4	34	4	104
10050	10250	5712774	701252	<5	0.6	54	8	148
10050	10275	5712774	701277	<5	<0.2	20	6	118
10050	10300	5712774	701302	<5	0.2	48	10	60
10050	10325	5712774	701327	<5	0.6	42	8	69
10050	10350	5712774	701352	<5	0.4	11	6	101
10050	10375	5712774	701377	<5	0.2	34	14	68
10050	10400	5712774	701402	<5	0.6	35	16	88
10050	10425	5712774	701427	<5	0.4	27	10	95
10050	10450	5712774	701452	<5	0.4	23	12	97
10050	10475	5712774	701477	<5	0.6	77	20	79
10050	10500	5712774	701502	<5	0.6	22	8	65
10050	10525	5712774	701527	<5	0.2	25	18	96
10050	10550	5712774	701552	<5	0.4	32	18	119
10050	10575	5712774	701577	<5	0.4	38	34	97
10050	10600	5712774	701602	<5	0.8	48	24	102
10100	10000	5712824	701002	<5	0.2	38	8	82
10100	10025	5712824	701027	<5	0.8	54	8	73
10100	10050	5712824	701052	<5	0.2	28	8	51
10100	10075	5712824	701077	<5	0.4	71	12	75
10100	10100	5712824	701102	<5	0.4	81	10	59
10100	10125	5712824	701127	<5	<0.2	40	6	66
10100	10150	5712824	701152	<5	0.41	85	10	71
10100	10175	5712824	701177	<5	<0.2	39	6	134
10100	10200	5712824	701202	<5	0.4	37	6	208
10100	10225	5712824	701227	<5	<0.2	93	6	175
10100	10250	5712824	701252	<5	0.2	1106	12	586
10100	10275	5712824	701277	<5	<0.2	42	8	132
10100	10300	5712824	701302	<5	0.4	25	8	90
10100	10325	5712824	701327	<5	<0.2	20	4	97
10100	10350	5712824	701352	<5	0.2	37	14	122
10100	10375	5712824	701377	<5	<0.2	21	18	73
10100	10400	5712824	701402	<5	<0.2	24	10	62
10100	10425	5712824	701427	<5	<0.2	37	22	70
10100	10450	5712824	701452	<5	0.6	33	10	98

North	East	Northing	Easting	Au_ppb	Ag_ppm	Cu_ppm	Pb_ppm	Zn_ppm
10100	10475	5712824	701477	<5	0.2	34	12	72
10100	10500	5712824	701502	<5	<0.2	26	14	82
10100	10525	5712824	701527	<5	<0.2	24	20	75
10100	10550	5712824	701552	<5	0.2	14	14	83
10100	10575	5712824	701577	<5	0.2	18	14	110
10100	10600	5712824	701602	<5	0.2	30	26	100
10150	10000	5712874	701002	<5	<0.2	24	8	74
10150	10025	5712874	701027	<5	<0.2	36	30	79
10150	10050	5712874	701052	<5	<0.2	35	8	53
10150	10075	5712874	701077	<5	<0.2	25	10	74
10150	10100	5712874	701102	<5	<0.2	27	8	50
10150	10125	5712874	701127	<5	<0.2	45	8	65
10150	10150	5712874	701152	<5	<0.2	38	10	77
10150	10175	5712874	701177	<5	<0.2	26	8	75
10150	10200	5712874	701202	<5	<0.2	28	10	69
10150	10225	5712874	701227	<5	<0.2	56	8	98
10150	10250	5712874	701252	<5	<0.2	54	12	80
10150	10275	5712874	701277	<5	<0.2	56	10	192
10150	10300	5712874	701302	<5	<0.2	64	2	120
10150	10325	5712874	701327	<5	<0.2	17	4	95
10150	10350	5712874	701352	30	0.6	54	12	130
10150	10375	5712874	701377	<5	<0.2	13	10	130
10150	10400	5712874	701402	<5	0.2	37	18	82
10150	10425	5712874	701427	<5	0.2	25	16	101
10150	10450	5712874	701452	<5	0.8	41	8	77
10150	10475	5712874	701477	<5	0.8	31	14	65
10150	10500	5712874	701502	<5	0.4	23	12	114
10150	10525	5712874	701527	<5	<0.2	31	18	86
10150	10550	5712874	701552	20	<0.2	29	16	70
10150	10575	5712874	701577	<5	<0.2	16	14	72
10150	10600	5712874	701602	<5	0.2	12	16	109
10250	10000	5712974	701002	<5	<0.2	11	4	103
10250	10025	5712974	701027	<5	1	318	14	81
10250	10050	5712974	701052	25	1.6	425	20	91
10250	10075	5712974	701077	<5	<0.2	18	4	118
10250	10100	5712974	701102	<5	0.2	24	6	82
10250	10125	5712974	701127	<5	0.2	14	6	86
10250	10200	5712974	701202	<5	0.4	40	10	81
10250	10225	5712974	701227	<5	<0.2	26	8	47
10250	10250	5712974	701252	<5	<0.2	40	4	79
10250	10275	5712974	701277	<5	0.2	19	4	81
10300	10000	5713024	701002	<5	<0.2	9	8	53
10300	10025	5713024	701027	<5	<0.2	38	12	43
10300	10050	5713024	701052	<5	<0.2	32	4	51
10300	10075	5713024	701077	<5	0.6	151	8	81
10300	10100	5713024	701102	<5	<0.2	44	10	78
10300	10125	5713024	701127	<5	0.2	29	8	83
10300	10150	5713024	701152	<5	0.2	17	4	79
10300	10175	5713024	701177	<5	0.2	20	6	83

North	East	Northing	Easting	Au_ppb	Ag_ppm	Cu_ppm	Pb_ppm	Zn_ppm
10300	10200	5713024	701202	<5	<0.2	15	6	74
10300	10225	5713024	701227	<5	<0.2	23	6	105
10300	10250	5713024	701252	<5	0.2	27	8	75
10300	10275	5713024	701277	<5	0.2		10	127
10300	10300	5713024	701302	<5	<0.2	28	12	41
10300	10325	5713024	701327	<5	0.4	16	10	110
10300	10350	5713024	701352	<5	1.2	221	6	58
10300	10375	5713024	701377	<5	0.2	38	22	81
10300	10400	5713024	701402	<5	0.2	30	14	87
10300	10425	5713024	701427	<5	1.4	65	24	112
10300	10450	5713024	701452	<5	<0.2	27	16	87
10300	10475	5713024	701477	<5	0.4	75	20	102
10300	10500	5713024	701502	<5	<0.2	32	12	68
10300	10525	5713024	701527	<5	<0.2	48	14	65
10300	10550	5713024	701552	<5	0.6	46	14	110
10300	10575	5713024	701577	<5	<0.2	20	14	64
10300	10600	5713024	701602	<5	<0.2	19	22	77
10350	10000	5713074	701002	<5	0.2	21	6	108
10350	10025	5713074	701027	<5	0.4	35	4	75
10350	10050	5713074	701052	<5	<0.2	22	4	45
10350	10075	5713074	701077	5	<0.2	24	4	49
10350	10100	5713074	701102	<5	0.2	22	4	76
10350	10125	5713074	701127	<5	0.4	128	12	106
10350	10150	5713074	701152	<5	<0.2	50	4	71
10350	10175	5713074	701177	<5	<0.2	15	4	75
10350	10200	5713074	701202	<5	<0.2	51	4	91
10350	10225	5713074	701227	5	0.2	66	10	71
10350	10250	5713074	701252	<5	0.4	68	8	52
10350	10275	5713074	701277	<5	0.2	56	12	65
10350	10300	5713074	701302	5	0.2	26	8	63
10350	10325	5713074	701327	<5	<0.2	72	14	59
10350	10350	5713074	701352	25	<0.2	82	1	85
10350	10375	5713074	701377	<5	<0.2	65	18	95
10350	10400	5713074	701402	<5	<0.2	5	12	59
10350	10425	5713074	701427	<5	0.2	31	18	92
10350	10450	5713074	701452	<5	1	170	20	107
10350	10475	5713074	701477	<5	<0.2	28	8	42
10350	10500	5713074	701502	<5	<0.2	29	6	43
10350	10525	5713074	701527	<5	0.4	12	6	104
10350	10550	5713074	701552	<5	0.2	83	6	85
10350	10575	5713074	701577	<5	<0.2	20	14	84
10350	10600	5713074	701602	<5	0.6	25	12	102
10400	10000	5713124	701002	<5	<0.2	27	6	82
10400	10025	5713124	701027	15	<0.2	29	4	84
10400	10050	5713124	701052	<5	<0.2	31	4	38
10400	10075	5713124	701077	<5	<0.2	42	6	50
10400	10100	5713124	701102	<5	0.2	11	2	71
10400	10125	5713124	701127	<5	<0.2	15	6	57
10400	10150	5713124	701152	<5	0.2	44	10	49

North	East	Northing	Easting	Au_ppb	Ag_ppm	Cu_ppm	Pb_ppm	Zn_ppm
10400	10175	5713124	701177	<5	<0.2	31	6	54
10400	10200	5713124	701202	<5	0.4	74	20	71
10400	10225	5713124	701227	<5	0.2	26	10	89
10400	10250	5713124	701252	<5	0.6	92	18	83
10400	10275	5713124	701277	<5	<0.2	38	12	58
10400	10300	5713124	701302	<5	0.2	96	22	82
10400	10325	5713124	701327	<5	0.2	92	18	72
10400	10350	5713124	701352	<5	1.4	34	14	115
10400	10375	5713124	701377	<5	0.2	40	16	71
10400	10400	5713124	701402	<5	0.4	346	240	96
10400	10425	5713124	701427	<5	0.4	139	8	112
10400	10450	5713124	701452	<5	<0.2	25	8	53
10400	10475	5713124	701477	<5	0.4	15	8	68
10400	10500	5713124	701502	<5	0.2	16	6	79
10400	10525	5713124	701527	<5	<0.2	16	8	40
10400	10550	5713124	701552	5	0.2	28	12	93
10400	10575	5713124	701577	<5	0.2	14	8	94
10400	10600	5713124	701602	5	0.4	23	14	98
10200	10000	5712924	701002	<5	0.8	254	8	106
10200	10025	5712924	701027	<5	0.2	24	2	7
10200	10050	5712924	701052	<5	0.2	35	4	89
10200	10075	5712924	701077	<5	0.2	19	6	61
10200	10100	5712924	701102	<5	<0.2	12	4	5
10200	10125	5712924	701127	<5	<0.2	19	4	85
10200	10150	5712924	701152	<5	<0.2	11	4	58
10200	10175	5712924	701177	<5	0.4	25	10	91
10200	10200	5712924	701202	<5	<0.2	15	6	71
10200	10225	5712924	701227	<5	<0.2	22	6	61
10200	10250	5712924	701252	<5	0.2	33	10	102
10200	10275	5712924	701277	<5	<0.2	28	8	52
10200	10300	5712924	701302	<5	<0.2	19	6	55
10200	10325	5712924	701327	<5	<0.2	12	4	58
10200	10350	5712924	701352	<5	0.4	46	6	148
10200	10375	5712924	701377	<5	<0.2	29	12	93
10200	10400	5712924	701402	<5	0.2	14	10	98
10200	10425	5712924	701427	<5	<0.2	28	8	66
10200	10450	5712924	701452	<5	<0.2	31	10	52
10200	10475	5712924	701477	<5	0.2	11	8	75
10200	10500	5712924	701502	<5	<0.2	18	12	80
10200	10525	5712924	701527	<5	<0.2	15	14	66
10200	10550	5712924	701552	<5	0.2	28	20	77
10200	10575	5712924	701577	<5	0.6	14	12	101
10200	10600	5712924	701602	<5	0.8	37	10	72
10250	10225	5712974	701227	<5	0.2	18	8	175
10250	10250	5712974	701252	<5	<0.2	41	10	53
10250	10300	5712974	701302	<5	0.4	10	6	117
10250	10325	5712974	701327	<5	0.4	27	4	176
10250	10350	5712974	701352	<5	<0.2	29	10	102
10250	10375	5712974	701377	<5	0.2	23	14	64

North	East	Northing	Easting	Au_ppb	Ag_ppm	Cu_ppm	Pb_ppm	Zn_ppm
10250	10400	5712974	701402	<5	<0.2	27	14	64
10250	10425	5712974	701427	<5	0.6	46	18	95
10250	10450	5712974	701452	<5	1.8	174	26	112
10250	10475	5712974	701477	<5	0.2	41	16	129
10250	10500	5712974	701502	<5	0.6	57	16	110
10250	10525	5712974	701527	<5	<0.2	13	10	74
10250	10550	5712974	701552	<5	0.2	13	14	74
10250	10575	5712974	701577	<5	<0.2	24	12	63
10250	10600	5712974	701602	<5	0.2	9	8	72