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Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

BC Geological Survey Assessment Report 42628

Assessment Report Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Soil Geochemistry

TOTAL COST: $25,014.00

AUTHOR(S): David G Mark **SIGNATURE(S):** David Mark

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): **YEAR OF WORK:** 2024

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): SOW #6032068 dated July 26, 2024

PROPERTY NAME: Raven

CLAIM NAME(S) (on which the work was done): 1114347, 1114349

COMMODITIES SOUGHT: Zinc, Copper, Silver, Gold

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 092H SE127

MINING DIVISION: Similkameen **NTS/BCGS:** 92H/08, 92H/09 /// 092H.049, 092H.059

LATITUDE: 49 ° 28 '44.3 " **LONGITUDE:** 120 ° 16 '57.8 " **(at centre of work)**

OWNER(S):

1) Lionheart Exploration Inc. 2)

MAILING ADDRESS:

1000 - 355 Burrard Street
Vancouver, BC, V6C 2G8

OPERATOR(S) [who paid for the work]:

1) Lionheart Exploration Inc. 2)

MAILING ADDRESS:

1000 - 355 Burrard Street
Vancouver, BC, V6C 2G8

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

Property underlain by Nicola Group volcanosedimentary rocks of Upper Triassic age. Rock types - siliceous argillite, thinly bedd siliceous limestone and massive,thickly bedded quartzite. Augite/plagioclase porphyritic andesite. Augite-feldspar porphyritic dacite dyke. Weak regional metamorphism which is manifested by chloritization and epidotization of mafic minerals. Spharlerite, chalcopyrite, phyrrotite occur in massive sections in skarns.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: #39543, 40885

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TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil	84	1114347, 1114349	$25,014.00
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST:	$25,014.00

GEOCHEMISTRY REPORT

on an

MMI SOIL GEOCHEMISTRY SURVEY

within the

RAVEN PROPERTY

RAVEN MOUNTAIN, PRINCETON AREA

SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA

LOCATED:	16 km due east of the village of Princeton
	49° 29' 20.5" North Latitude, and 120° 16' 17.2" West Longitude (center of property)
	NTS: 92H/08, 92H/09
	BCGS: 092H.049, 092H.059
WRITTEN FOR:	**LIONHEART EXPLORATION INC.** 1000 – 355 Burrard Street Vancouver, British Columbia
WRITTEN BY:	David G. Mark, P.Geo. **GEOTRONICS CONSULTING INC.** 132 Saddlehorn Drive Kaleden, British Columbia, V0H 1K0
DATED:	April 22, 2025

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Potassium	GC-R08	
Lithium	GC-R09	
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1 SUMMARY

The Raven Property is located within the southern part of the province of British Columbia, Canada within the Similkameen Mining Division, 15 kilometers east of the town of Princeton and 210 kilometers due east of Vancouver. The property is comprised of six contiguous tenures that total 3,021 Ha that are in good standing until September 25th, 2026.

The Property is located within the southern part of the Thompson Plateau physiographic region of British Columbia. The elevation ranges from 1,235 meters to 1,920 meters with terrain varying from moderate to steep. Most of the vegetation consists of moderately dense coniferous forest. The climate is semi-arid with the average annual precipitation being 32 cm, summer temperatures averaging 31°C, and winter temperatures averaging -15°C.

The main purpose of exploration on this property is to locate sulphide mineralization in the style of an alkalic porphyry copper deposit perhaps similar to the nearby deposits of the Kodiak Property or the Copper Mountain mine.

The Raven Property claims have been explored at various times and to different levels since 1934. Exploration has consisted of a series of open cuts, shafts and short adits driven in a series of mineralized beds and conformable quartz veins. This work exposed galena and sphalerite in an area extending northerly along the west side of Raven Mountain for up to 1400 metres. Samples reported from 1934 assayed 1.4 to 6.9 grams per tonne gold and 100 to 1,200 grams per tonne silver.

In the early seventies, magnetic surveying in conjunction with geological mapping, soil sampling and stripping were carried out. In 1994 in the area of the old workings a rock sampling and mapping program was carried out which returned values as high as >2% zinc, >50 ppm silver, 1,600 ppb gold and 2,700 ppm lead. The mineralization consisted of massive galena-sphalerite with gold and silver values.

In 2021, an airborne magnetic survey was carried out over the entire property and the resulting magnetic data appears to have mapped the Nicola volcanic cap and a small portion of the granite-granodiorite contact in the northwestern corner of the property. The 3D inversion modelling highlighted numerous buried structures, many of which appear to be connected to the ground surface via steeply dipping, pipe-like apophyses.

In 2022, MMI soil sampling was carried out with the main purpose being to check out two different magnetic targets with one being areas of high magnetic susceptibility targets that are indicative of breccia pipes, and the other being areas of magnetic-indicated areas of cross-structure. The MMI survey consisted of 213 samples that were picked up every 50 meters along 10 lines for a total survey length of 10,200 meters. The line separation was mostly 300 meters. The MMI soil sampling resulted in three copper-gold anomalies of substantial size that have been labeled by the upper case letters A, B,

and C and that are considered to be of high exploration interest. All three correlate with target areas as indicated by the airborne magnetic survey.

The Raven claims are underlain by 3 rock units which are:

(1) Similkameen Group – Eastern Volcanic Facies basaltic volcanic rock. This unit occurs as a northwesterly elongated ellipse and is described as a roof pendant of volcanic rocks and sediments that hosts the historical showings.
(2) granodioritic intrusive rocks which occupies the southwestern half of the claim group and surrounds the roof pendant.
(3) granite, alkali feldspar granite intrusive rocks which covers the northeastern half of the claim group. The Raven Mountain prospect occurs within the roof pendant and consists of a vein that hosts lead, zinc, silver, and gold mineralization

The 2024 MMI soil sampling was carried out with the main purpose being to determine the possible southern extension of mineralization as evidenced in workings just to the north of the grid. The MMI survey consisted of 84 samples that were picked up every 25 meters along 4 east-west lines with a line separation of 100 meters and a total survey length of 2,000 meters. These samples were bagged and sent to the SGS laboratories in Burnaby, BC, for analysis where they were tested for 53 elements. Fourteen colour contour plan maps were created for the laboratory results of 14 metals, respectively.

The MMI soil sampling resulted in two silver-gold-copper anomalies striking northerly that have been labeled by the upper case letters RA and RB. Both are considered to be of high exploration interest with one or both related to mineralization to the north.

The MMI soil sampling is recommended to be continued in all directions from the current area of the Raven Grid with priority being to the north and to the east. Geological mapping is also recommended with special emphasis on the MMI anomalous areas.

EXPLORATION REPORT

on an

MMI SOIL GEOCHEMISTRY SURVEY

WITHIN THE

RAVEN PROPERTY

RAVEN MOUNTAIN, PRINCETON AREA

SIMILKAMEEN MINING DIVISION, BRITISH COLUMBIA

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2 INTRODUCTION and GENERAL REMARKS

This report discusses survey procedure, compilation of data, interpretation methods, and the results of MMI soil geochemistry surveying that was carried out within the Raven Property, which is located due east of the town of Princeton within southern BC. The property is owned by Lionheart Exploration Inc. of Vancouver, BC.

The exploration work was carried out under the direction of the writer during the period of July 10th 24th 2024 and consisted of reconnaissance MMI soil sampling with some rock sampling. The field crew consisted of two men under field supervision of Chris Delorme a mineral exploration technician. The amount of work consisted of 84 samples along 4 lines for a total survey distance of 2,000 meters.

The main purpose of exploration on this property is to locate porphyry copper/gold sulphide mineralization in the style of the Kodiak deposit which is an alkalic porphyry type located about 21 km to the northwest. Another exploration model is the Copper Mountain Mine, also an alkalic porphyry gold type, which is located about 20 km to the southwest.

The specific purpose of the 2024 MMI soil sampling is to determine the possible southern extension of noted mineralization located just to the north of the sampling grid.

MMI stands for *mobile metal ions* and describes ions, which have moved into the weathering zone and are weakly or loosely attached to near surface soil particles. MMI™ uses patented sampling and testing techniques that are particularly useful in detecting some types of mineralization at depth in excess of 700 meters. It is not affected by thick surficial cover such as glacial till, whereas standard soil sample techniques are affected by glacial drift. MMI is characterized as having a high signal to noise ratio and therefore can provide accurate drill targets. However mobile metal ions may also move along fault lines and therefore could show the causative source to be laterally moved from where the actual source of mineralization is located.

LIONHEART EXPLORATION INC.

RAVEN PROPERTY

RAVEN MOUNTAIN, PRINCETON AREA, SIMILKAMEEN MD, BC

BC LOCATION MAP

DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
DGM	24-12	92H/08W 92H/09W	Apr '25	1



Geotronics Consulting Inc
Geophysics done right

3 PROPERTY and OWNERSHIP

The Raven Property, located within the Similkameen Mining Division, is a mineral exploration property that is comprised of 6 mineral claims covering a total area of 3,021 hectares as tabulated below and as shown on fig. 3.

TABLE 1 - RAVEN MINERAL CLAIMS

Tenure Number	Claim Name	Issue Date	Good Until	Area (ha)
1114346	Raven 1	July 10th, 2024	Sept 25th, 2026	293.90
1114347	Raven 2	July 10th, 2024	Sept 25th, 2026	209.89
1114348	Raven 3	July 10th, 2024	Sept 25th, 2026	377.75
1114349	Raven 4	July 10th, 2024	Sept 25th, 2026	545.51
1114350	Raven 5	July 10th, 2024	Sept 25th, 2026	566.25
1114351	Raven 6	July 10th, 2024	Sept 25th, 2026	1,027.79
			TOTAL AREA	**3,021.09**

The "Good Until" date in the above table assumes that the assessment work as described within this report will be accepted for assessment credits.

The Raven Property is owned by Lionheart Exploration Inc. of Vancouver, British Columbia.

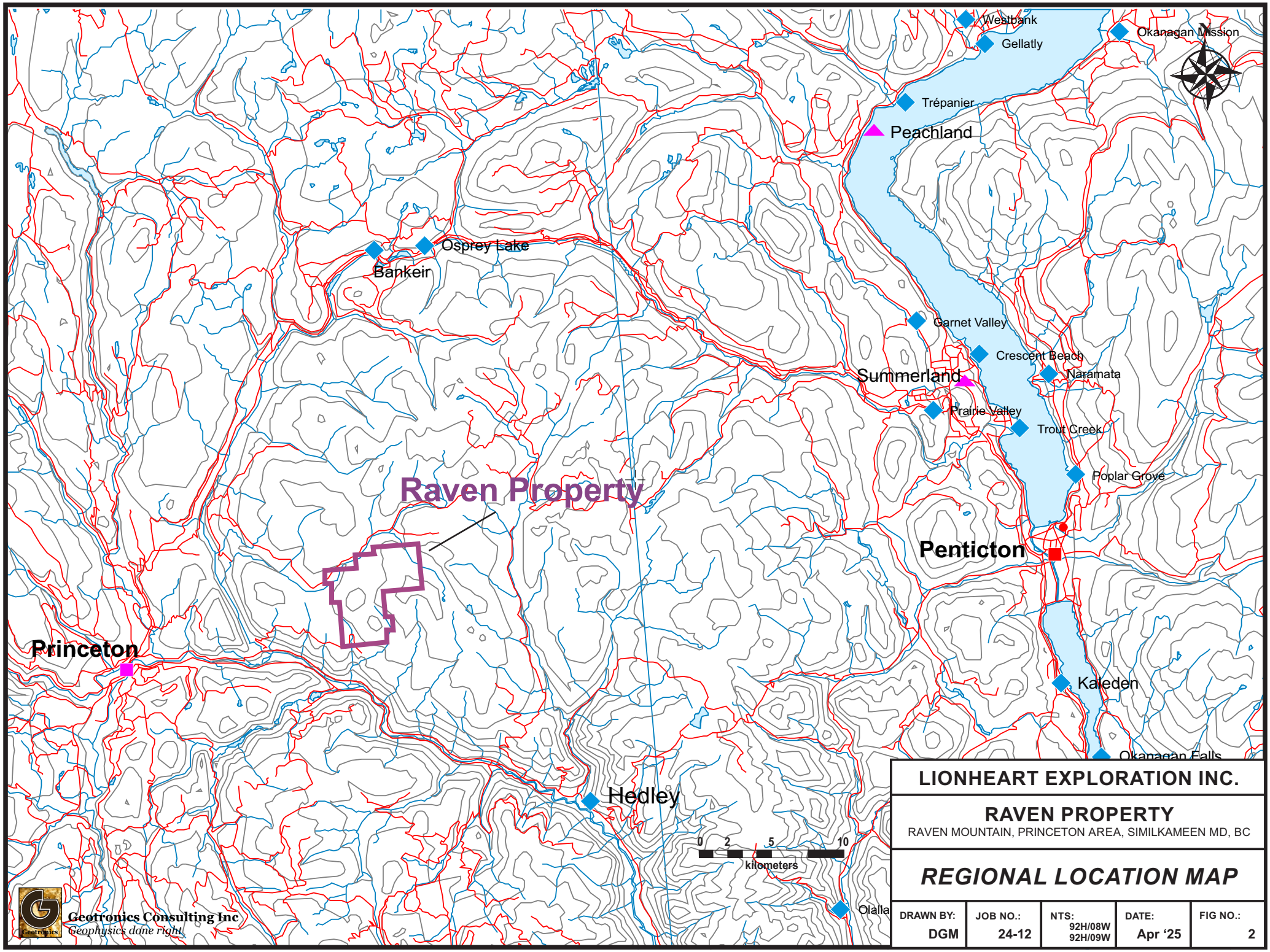
4 LOCATION AND ACCESS

The Raven Copper Property is located on Raven Mountain with the southern boundary being 3 km north of the Similkameen River. It lies approximately 206 km in a direct line east from Vancouver as well as 15.5 km east of the town of Princeton.

The approximate geographical coordinates of the centre of the property are 49° 29' 20.5"N and 120° 16' 17.2"W with the correlating UTM NAD 83 coordinates being 697600 easting and 5485400 northing within zone 10. The property straddles NTS map sheets 92H/8W and 92H/9W and BCGS map sheets 092H.049 and 092H.059.

However, the current work carried out on the property occurs within the southwestern part of the claims area. It is centered at the geographical coordinates of 49° 28' 44.2"N and 120° 16'57.0"W with the correlating UTM NAD 83 coordinates being 696840 easting and 5484250 northing within zone 10.

Access to the property can be gained by road off the Red Creek Main logging road which exits the Chain Lake Road 10.5 km northeast of Princeton. Forest access roads occur throughout the property.



LIONHEART EXPLORATION INC.

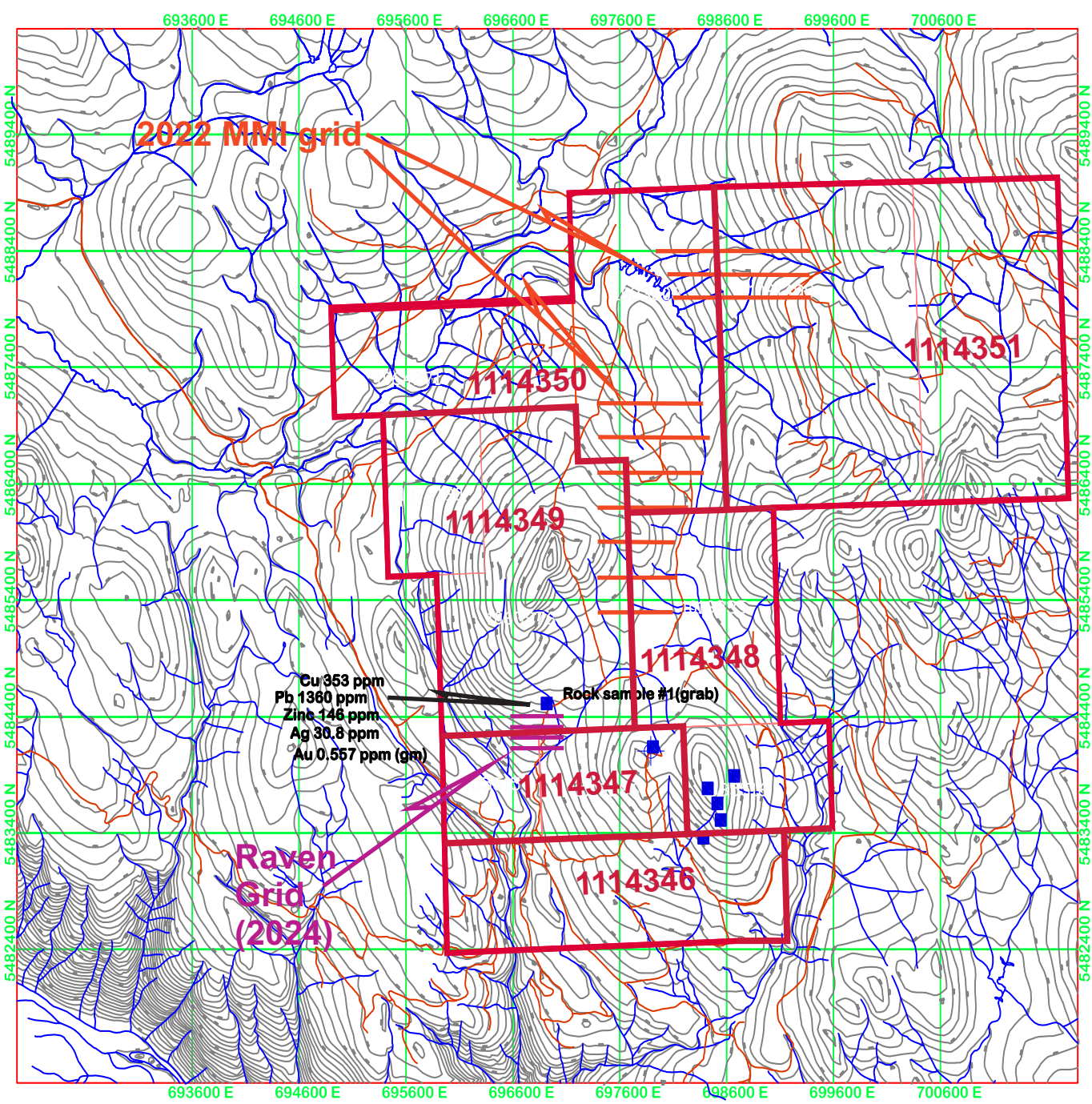
RAVEN PROPERTY

RAVEN MOUNTAIN, PRINCETON AREA, SIMILKAMEEN MD, BC

REGIONAL LOCATION MAP

DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
DGM	24-12	92H/08W 92H/09W	Apr '25	2

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Geophysics done right



2024 MMI soil sampling line

2022 MMI soil sampling line

outline of MMI copper anomaly

A anomaly label

0 400 1000 2000

Note: This map is modified from claim map within J. A. Turner's report.

LIONHEART EXPLORATION INC.

RAVEN PROPERTY

RAVEN MOUNTAIN, PRINCETON AREA, SIMILKAMEEN MD, BC

CLAIM MAP

Showing MMI Sample Lines

DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
DGM	24-12	92H/08W 92H/09W	Apr '25	3

Geotronics Consulting Inc
Exploration done right

5 PHYSIOGRAPHY

The Property is located east of the Cascade Mountains and south of the Highland Valley in the Thompson Plateau physiographic region of British Columbia. Most of the property is covered by medium- to high-density coniferous forest and, to a lesser extent, deciduous forest.

The claims cover an area of moderate to steep topographical relief with the elevations varying from 1,235 meters at the southern boundary on a tributary of Stevens Creek to 1,920 metres within the northeastern part resulting in a range of 685 meters.

Several creeks are located on the property with Red Creek and its tributaries occurring within the northern part and Steven Creek and its tributaries occurring within the southern part.

The climate is semi-arid which is typical of the southern interior of BC. Average annual precipitation is 32 cm, consisting of rain and snow. Summer temperatures average 31°C, with winter temperatures on average about -15°C. Extremes of temperatures are possible, with highs approaching +42°C in summer months and -39°C during the winter. The snow cover is usually from November to Early May, with the snowpack varying from year to year.

6 PREVIOUS WORK

The Raven property was first mentioned in the B.C. Minister of Mines report for 1934. In 1934 and 1935 a series of open cuts, shafts and short adits were driven in a series of mineralized beds and conformable quartz veins. Galena and sphalerite were exposed in a series of shafts, trenches and outcrops in an area extending north along the west side of Raven Mountain for up to 1400 metres. Samples reported from 1934 assayed 1.4 to 6.9 grams per tonne gold and 100 to 1,200 grams per tonne silver.

In 1970 Adco Silver Mines Ltd. completed a magnetometer survey over the claim area.

n 1972 Coynex Development Ltd. conducted additional magnetometer surveying in conjunction with geological mapping, soil sampling and stripping.

The Raven property covering the area of the old workings was staked by the Phoenix Syndicate in 1994 and a rock sampling and mapping program was carried out on the property.

Rock sampling in 1994 returned values as high as >2% Zn, >50 ppm Ag, 1,600 ppb Au and 2,700 ppm Pb. Based on their mapping, they reported gold, silver, lead and zinc mineralization consisting of massive galena-sphalerite. Lesser chalcopyrite-pyrite-magnetite occurs as discontinuous lenses to 0.5 m thick subparallel to bedding. Mineralization also occurs as fracture fillings and fine disseminations.

In 2021, an airborne magnetic survey was carried out over the entire property by Precision GeoSurveys Inc. Some rock sampling was also done, and both the survey and sampling were reported by James A Turner within ARIS report # 39543. In addition, the magnetic data was processed with several different filters as well as inversion interpreted by Trent Pezzot. The magnetic data appears to have mapped the Nicola volcanic cap and a small portion of the granite-granodiorite contact in the northwestern corner of the property. It also mapped magnetic lineaments, striking both NW-SE and NNE. The known mineralization near Raven Mountain is located near the intersection of two of these major structural trends and additional intersections were mapped. The 3D inversion modelling highlighted numerous buried structures, many of which appear to be connected to the ground surface via steeply dipping, pipe-like apophyses.

In 2022, MMI soil sampling and some rock sampling were carried out within the northern part of the property with the main purpose being to check out two different magnetic targets with one being areas of high magnetic susceptibility targets that are indicative of breccia pipes, and the other being areas of magnetic-indicated areas of cross-structure. The MMI survey consisted of 213 samples that were picked up every 50 meters along 10 lines for a total survey length of 10,200 meters. The line separation was mostly 300 meters. The MMI soil sampling resulted in three copper-gold anomalies of substantial size that are considered to be of high exploration interest. All three correlate with target areas as indicated by the airborne magnetic survey.

7 GEOLOGY

This section was taken from both Turner's report (2021) and Pezzot's report (2021).

7.1 REGIONAL

The Raven claims are underlain by Similkameen Group volcano-sedimentary rocks of Upper Triassic age. The Raven Mountain prospect consists of a vein that hosts lead, zinc, silver, and gold mineralization in a roof pendant of volcanic rocks and sediments of the Similkameen Group in the northern margin of the Bromley batholith.

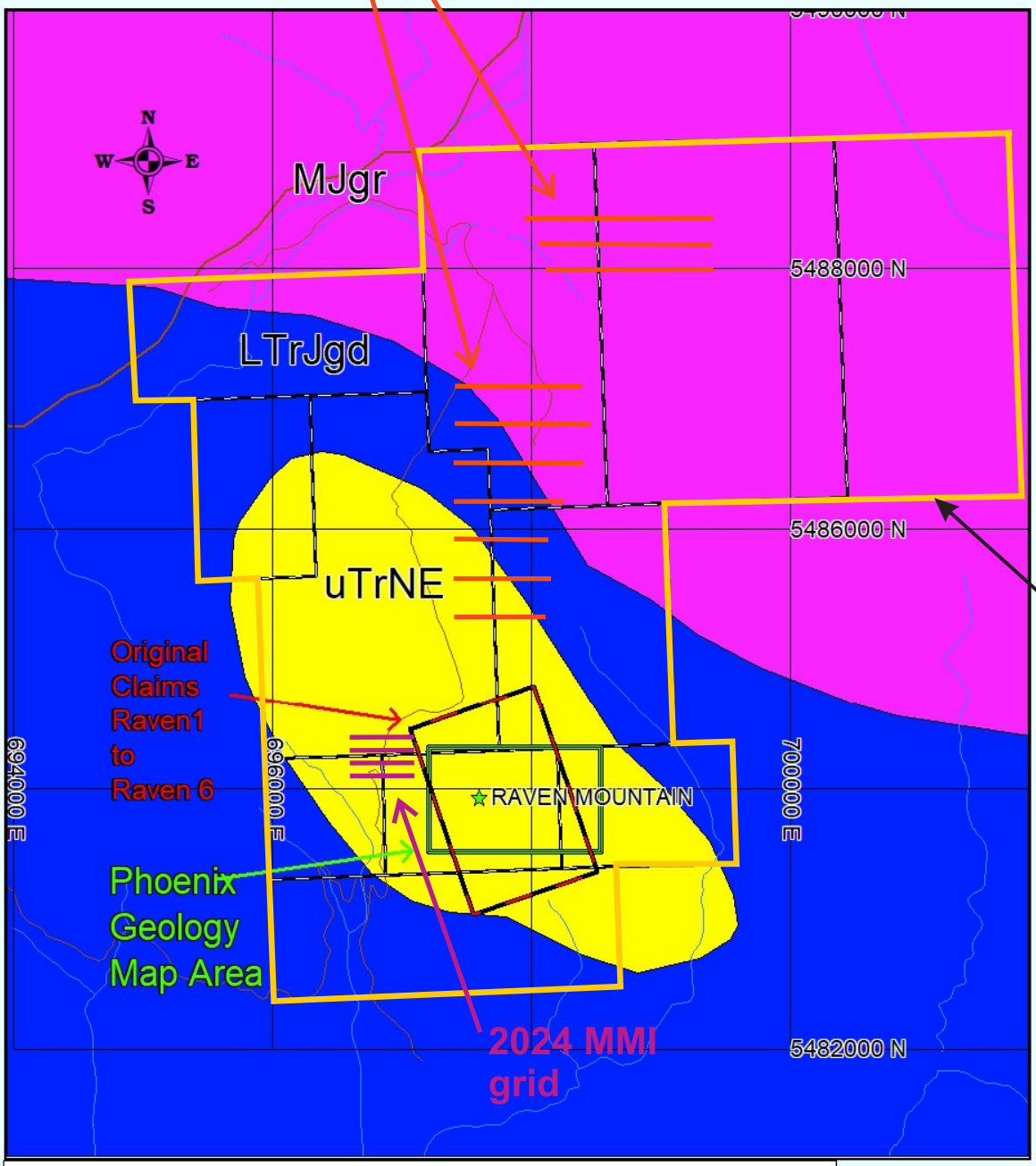
BCGS Geology mapping shows the current Raven claim group as being underlain by 3 rock units:

uTrNE – Similkameen Group – Eastern Volcanic Facies basaltic volcanic rock. This unit outcrops as a 5 km x 2.2 km, northwesterly elongated ellipse that hosts the historical showings. Historical reports describe this as a roof pendant of volcanic rocks and sediments.

LTrJgd – granodioritic intrusive rocks – Occupies the southwestern half of the claim group and surrounds the uTrNE unit.

MJgr – granite, alkali feldspar granite intrusive rocks – Covers the northeastern half of the claim group.

Note: This map is modified from geology map within J. A. Turner's report for 2022 work and updated for 2024 work.



BC Geology by UNIT

- LTrJgd - Mesozoic - Unnamed granodioritic intrusive rocks
- MJgr - Mesozoic - Unnamed granite, alkali feldspar granite intrusive rocks
- uTrNE - Mesozoic - Nicola Group - Eastern Volcanic Facies basaltic volcanic rock

0 400 1000 2000

- 2024 MMI soil sampling line
- 2022 MMI soil sampling line
- outline of MMI copper anomaly
- A anomaly label

LIONHEART EXPLORATION INC.

RAVEN PROPERTY

RAVEN MOUNTAIN, PRINCETON AREA, SIMILKAMEEN MD, BC

PROPERTY GEOLOGY MAP

DRAWN BY:	JOB NO.:	NTS:	DATE:	FIG NO.:
DGM	24-12	92H/08W 92H/09W	Apr '25	5

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7.2 PROPERTY GEOLOGY

The relationship between volcanic and sedimentary rocks is not well understood because of the limited exposure and heavy lichen-covered nature of the outcrops on the property.

Sedimentary rocks generally trend 355 to 30 degrees and dip 70 to 76 degrees to the west. All rock types are moderately fractured. The fracture density is higher in the areas of mineralization. The dominant fracture orientation in the sedimentary rocks is parallel to subparallel to bedding at 20 to 30 degrees and steeply dipping. Altered quartz masses and massive sulphide lenses are controlled by this fracture trend.

Similkameen Group volcano-sedimentary rocks have undergone weak regional metamorphism which is manifested by chloritization and epidotization of mafic minerals in porphyritic andesite flows.

Sedimentary rocks appear relatively unaltered except in the area of old showings in the central part of the property (Fig.4). Sedimentary rocks, especially argillite interbedded with lesser siliceous limestone, have been subjected to hydrothermal alteration associated with the emplacement of massive sulphide mineralization. They are very hard, exhibit some conchoidal fracture due to pervasive silicification and have also undergone weak calc-silicate alteration with most of the carbonate being lost from the limestone (weak response to HC1).to HC1).

These sedimentary rocks are cut by milky quartz veins and irregular masses. Fe-oxide alteration is very intense in areas of mineralization

7.3 MINERALIZATION

There is one (1) MinFile occurrence mapped within the perimeter of the claim group, namely Raven Mountain. It is described as a Pb, Zn Ag and Au vein prospect as follows, which is taken from the BC government MinFile report.

Galena and sphalerite are exposed in a series of shafts, trenches and outcrops in an area extending north along the west side of Raven Mountain for up to 1,400 metres. Other trenches to the west and east contain only pyrite. This mineralization is in part contained in quartz veins that are conformable to the enclosing volcanics and sediments. Samples assayed 1.4 to 6.9 grams per tonne gold and 103 to 1,234 grams per tonne silver (Minister of Mines Annual Report 1934, page D23). A selected sample of quartz with stronger mineralization assayed 21 per cent lead and 5 per cent zinc (Minister of Mines Annual Report 1934, page D23).

7.4 STRUCTURE

The relationship between volcanic and sedimentary rocks is not well understood because of the limited exposure and heavy lichen-covered nature of the outcrops on the property. Rocks generally trend 355 to 30 degrees and dip 70 to 76 degrees to the west. All rock types are moderately fractured. The fracture density is higher in the areas of mineralization. The dominant fracture orientation in the sedimentary rocks is parallel to subparallel to bedding at

20 to 30 degrees and steeply dipping. Altered quartz masses and massive sulphide lenses are controlled by this fracture trend.

8 MMI SOIL SAMPLING

8.1 SAMPLING PROCEDURE

The 2024 work was carried out by a 2-man crew, under supervision of the writer, using UTM-based coordinates by using GPS hand-held instruments. The MMI survey consisted of 84 samples that were picked up every 25 meters along 4 east-west lines with a line separation of 100 meters. The survey length for each line was 500 meters resulting in a total survey length of 2,000 meters.

The sampling procedure was to first remove the organic material from the sample site (A_0 layer) and then dig a pit over 25 cm deep with a shovel. Then using a plastic garden trowel, the sides of the hole were scraped in order to clean any possible contamination from the shovel. Sample material was then scraped from the sides of the pit over the measured depth interval of 10 centimeters to 25 centimeters. About 250 grams of sample material were collected and then placed into a plastic Zip-loc sandwich bag with the sample location marked thereon. The 84 samples were then packaged and sent to SGS Minerals located at Production Way, Burnaby, BC.

All material sampled was a tannish-grey, silty glacial till which is standard for the Merritt-Princeton area. However, MMI sampling is not layer oriented, but depth oriented. In other words, it does not depend on the type of sample, but on the depth of that sample below surface.

8.2 ANALYTICAL METHODS

At SGS Minerals, the testing procedure begins with weighing 50 grams of the sample into a plastic vial fitted with a screw cap. Next is added 50 ml of the MMI-M solution to the sample, which is then placed in trays and put into a shaker for 20 minutes. (The MMI-M solution is a neutral mixture of reagents that are used to detach loosely bound ions of any of the 53 elements from the soil substrate and formulated to keep the ions in solution.) These are allowed to sit overnight and subsequently centrifuged for 10 minutes. The solution is then diluted 20 times for a total dilution factor of 200 times and then transferred into plastic test tubes, which are then analyzed on ICP-MS instruments.

Results from the instruments for the 53 elements are processed automatically, loaded into the LIMS (laboratory information management system which is computer software used by laboratories) where the quality control parameters are checked before final reporting.

8.3 COMPILATION OF DATA

The MMI results, which are given in Appendix I, have been reduced and displayed on 14 colour contour maps using Geosoft software and these have been labeled GC-R01 to GC-14, respectively and are given in Appendix II. These maps are for 14 elements, which are

silver, gold, cadmium, cerium, cobalt, copper, iron, potassium, lithium, molybdenum, nickel, lead, uranium, and zinc. A 15th map, labeled GC-R00

Most of these maps are of metals that are of moderate to strong exploration interest on the Raven Property. Three of these maps are of metals that were created to assist in mapping and understanding the property geology and these are cerium, nickel, and uranium. Cerium, besides indicating possible rare earth mineralization, can indicate acidic rock-types. Nickel, on the other hand, besides indicating possible nickel mineralization can indicate more basic rock-types. Uranium, which is not of exploration interest since exploration for it was banned in BC, is often indicative of granitic-type intrusives. The potassium map was created for the possible indication of potassic alteration which is often associated with mineral deposits and the iron map was created for the possible indication of pyritization which may be associated with mineralization.

9 DISCUSSION OF RESULTS

Two silver-gold-copper anomalies have been outlined within the MMI survey area and these have been labeled by the upper case letters RA and RB. The entire grid, according to the geology map of figure 4, occurs entirely within the Nicola Group basaltic volcanics.

Anomaly RA occurs within the west central part of the survey area, strikes northerly with a minimum strike length of 300 meters being open both to the north and to the south. Its width varies from 60 meters to 200 meters.

Its characteristics are:

- It is anomalous in silver, gold, and copper but not pervasively over the entire delineated anomaly area. For example, there are no anomalous values in gold and copper on line 5484200 N and only one anomalous value in silver. Anomaly RA could more accurately be called an anomalous zone rather than an anomaly.
- It contains the highest MMI gold value, so far, on the property which is 4.5 ppb on line 5484300 N. This value correlates with a fairly strong copper value.
- Very strong potassium values occur within the central and northern part of this anomaly. This indicates potassic alteration that may be associated with the suggested silver, copper, and gold mineralization.
- Other metals that correlate with this anomaly are molybdenum, zinc, and cadmium. The anomalous molybdenum values are fairly pervasive over the entire anomaly area, but the anomalous zinc and cadmium values only occur within the northeastern part of the anomaly.
- The most significant anomalous values occur within the northern half of anomaly RA where it is also the widest and totally open to the north. This therefore indicates that the prime area for further exploration is to the north where there are workings and known mineralization.

Anomaly RB occurs along the eastern edge of the survey grid where it appears to strike in a northerly direction. It has a minimum strike length of 300 meters and a minimum width of 100 meters since it is open to the south, north, and east. Its characteristics are different than those of anomaly RA and are as follows:

- The anomalous values in silver, gold, and copper are more pervasive throughout the anomaly area.
- It contains the second strongest value in gold at 3.1 ppb and moderately strong values in silver and copper.
- It contains fairly strong anomalous values in cobalt and iron over most of the entire area of RB. This strongly suggests pyritization that is associated with the suggested mineralization of silver, gold, and copper.
- Anomalous values in other metals that partially correlate with RB are lithium, molybdenum, lead, and uranium.
- Anomalous values in cerium occur over the entire area of RB. This indicates that the host rock-type is an acidic intrusive, possibly a dyke.
- This anomaly could also be related to the known workings and mineralization to the north.

A third interesting feature within the Raven Grid area is a lithium-nickel-uranium anomaly that strikes southwesterly from the northern part of anomaly RB to the southern part of anomaly RA and then westerly. This could also be reflecting an intrusive dyke, but one that is more basic such as an andesite.

10 CONCLUSIONS

The MMI soil sampling survey has revealed two silver-gold-copper anomalies, labelled RA and RB, respectively, and are considered to have strong exploration interest for the following reasons:

1. Anomaly RA has strong anomalous values over a width of 300 meters within its northern part and is open to the north where there are known workings and mineralization. Therefore, the purpose of the MMI soil sampling was achieved, that is, it indicates that the known mineralization to the north likely extends at least 400 meters to the south, as seen on the claim map, figure 3.
2. Anomaly RB also has strong anomalous values mainly within its northern part where it is open to the north and east.
3.

11 RECOMMENDATIONS

The MMI soil sampling has produced very positive results and thus the exploration within the Raven Grid area is recommended to continue as follows:

1. Extend the MMI soil sampling in all directions from the current grid with priority to the north and east.
2. Map the geology of the property with special emphasis on MMI anomalous areas.

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13 GEOSCIENTIST'S CERTIFICATE

I, DAVID G. MARK, of the community of Kaleden, in the Province of British Columbia, do hereby certify that:

I am registered as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

I am a Consulting Geoscientist of Geotronics Consulting Inc., with offices at 132 – Saddlehorn Drive, British Columbia.

I further certify that:

1. I am a graduate of the University of British Columbia (1968) and hold a B.Sc. degree in Geophysics.
2. I have been practicing my profession for the past 57 years and have been active in the mining industry for the past 60 years.
3. This report is compiled from laboratory data obtained from an MMI soil sampling survey that was carried out by a 2-man exploration crew within the southern part of the Raven Property during the period of July 10th to 24th, 2024, under my direction.
4. I do not hold shares within Lionheart Exploration Inc, nor in any of its properties, including the Raven Property, nor do I expect to receive any interest as a result of authoring this report.

David Mark

David G. Mark, P.Geo. April 22, 2025
Geoscientist

14 AFFIDAVIT OF EXPENSES

An exploration program consisting of MMI soil sampling was carried out within the Raven Property, located 15 km east of the town of Princeton, B.C, during the period of July 10th to 24th, 2024 to the value of the following:

FIELD:		
MMI, 2-man crew, 4.5 days @ $2,600/day	$11,700.00	$11,700.00
LABORATORY:		
MMI soil analysis, 84 samples @ $60/sample	$5,040.00	$5,040.00
DATA REDUCTION and REPORT:		
Senior Geoscientist, 10 hr @ $150/hr	$4,500.00	
Geo-technician with computer, 30 hr @ $120/hr	$1,500.00	
TOTAL	$6,000.00	$6,000.00
GRAND TOTAL		$22,740.00
Administration costs @ 10%		$2,274.00
GRAND TOTAL plus administration costs		$25,014.00

Respectfully submitted,
Geotronics Consulting Inc.

David Mark

David G. Mark, P.Geo,
Geoscientist

April 22, 2025

15 APPENDIX I – MMI GEOCHEMISTRY DATA

RAVEN PROPERTY RAVEN GRID

MMI DATA

	ANALYTE >>		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	DETECTION>>		0.5	1	10	0.1	10	0.5	2	1	2	1	100	0.2	10
	UNITS>>		ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Sample ID.	**Easting**	**Northing**													
Line 5484100 N															
4100n 6575e	696578	5484102	5.3	124	10	<0.1	1720	1.4	330	10	151	68	<100	0.4	190
4100n 6600e	696599	5484105	3.4	130	<10	<0.1	2820	<0.5	143	10	73	32	<100	3.1	200
4100n 6625e	696624	5484098	4.5	128	<10	<0.1	3290	<0.5	162	3	412	14	<100	5.2	460
4100n 6650e	696648	5484105	9.2	162	<10	0.1	2980	<0.5	180	8	141	19	<100	4.4	310
4100n 6675e	696675	5484100	8.7	62	<10	<0.1	1450	<0.5	573	12	174	55	<100	0.8	860
4100n 6700e	696700	5484097	8	140	<10	0.2	2250	<0.5	273	8	67	10	<100	1.8	190
4100n 6725e	696725	5484099	14.1	42	<10	0.3	6660	<0.5	597	9	393	57	<100	<0.2	1910
4100n 6750e	696749	5484098	20.9	18	<10	0.3	2610	<0.5	596	61	423	66	<100	<0.2	2590
4100n 6775e	696777	5484099	16.5	12	<10	0.6	3890	<0.5	597	18	82	40	<100	<0.2	1220
4100n 6800e	696802	5484094	6.6	50	<10	<0.1	1350	<0.5	568	58	90	43	<100	<0.2	550
4100n 6825e	696825	5484098	8.1	77	<10	<0.1	1400	<0.5	447	30	156	29	<100	0.5	490
4100n 6850e	696850	5484095	20	45	<10	0.2	3450	<0.5	453	12	59	21	<100	0.3	590
4100n 6875e	696877	5484097	30.3	140	<10	0.1	2590	<0.5	219	11	134	18	<100	2.2	300
4100n 6900e	696898	5484096	19.7	169	<10	<0.1	1930	<0.5	180	14	113	33	<100	3	220
4100n 6925e	696927	5484093	42.2	87	<10	0.6	2110	<0.5	351	7	250	35	<100	2.6	1110
4100n 6950e	696952	5484099	12.2	112	<10	0.2	2030	<0.5	372	24	191	74	<100	1.9	740
4100n 6975e	696975	5484098	3.9	138	<10	<0.1	1810	1	270	78	93	137	<100	0.8	340
4100n 7000e	697000	5484093	23.7	93	<10	0.2	2720	<0.5	391	16	296	49	<100	1.3	1600
4100n 7025e	697024	5484096	23.5	88	<10	0.3	2950	<0.5	336	10	246	52	<100	1.3	1210
4100n 7050e	697052	5484097	28.5	52	<10	0.3	3240	<0.5	387	7	252	19	<100	0.4	890
4100n 7075e	697073	5484099	33.7	63	<10	0.3	4430	<0.5	376	6	163	30	<100	0.3	660
Line 5484200 N															
4200n 6575e	696574	5484206	4.2	195	<10	<0.1	6920	<0.5	183	18	164	18	<100	2.8	220
4200n 6600e	696598	5484199	5.6	123	<10	<0.1	2230	<0.5	231	12	73	8	<100	5.5	330
4200n 6625e	696625	5484198	8.1	142	<10	<0.1	2190	<0.5	114	10	159	6	<100	3.9	240
4200n 6650e	696653	5484199	6.3	133	<10	<0.1	2230	<0.5	283	7	218	11	<100	2.8	150
4200n 6675e	696675	5484200	3.7	31	<10	<0.1	1470	<0.5	521	17	55	24	<100	0.4	280
4200n 6700e	696701	5484194	2.2	59	<10	<0.1	1330	<0.5	428	16	95	23	<100	0.8	260
4200n 6725e	696726	5484195	6.9	129	<10	<0.1	1270	<0.5	266	8	97	11	<100	1.8	180
4200n 6750e	696749	5484195	12.8	134	<10	<0.1	2090	<0.5	315	14	136	35	<100	1.6	160
4200n 6775e	696774	5484197	42	134	<10	<0.1	1300	<0.5	270	18	73	12	<100	1.9	320
4200n 6800e	696800	5484201	12.9	135	<10	<0.1	1180	<0.5	367	56	55	50	<100	3.5	220
4200n 6825e	696823	5484201	17.3	110	<10	0.3	1190	<0.5	359	43	295	126	<100	0.3	320
4200n 6850e	696851	5484196	10.6	68	<10	<0.1	1170	<0.5	516	75	76	78	<100	0.3	740
4200n 6875e	696875	5484197	12.6	76	<10	0.3	1090	<0.5	521	100	145	89	<100	0.5	1890
4200n 6900e	696900	5484197	26	53	<10	0.9	2750	<0.5	508	28	204	40	<100	0.6	3250
4200n 6925e	696924	5484192	21.3	116	<10	0.2	2960	<0.5	411	16	118	98	<100	1	1080
4200n 6950e	696949	5484198	20.8	102	<10	0.3	1240	<0.5	293	14	90	53	<100	4.4	540
4200n 6975e	696977	5484194	22.2	155	<10	0.2	3080	<0.5	264	16	220	62	<100	5.3	610

RAVEN PROPERTY RAVEN GRID

MMI DATA

	ANALYTE >>		Dy	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li	Mg	Mn
	DETECTION>>		0.5	0.2	0.2	1	0.5	0.5	1	0.1	0.5	1	1	0.5	100
	UNITS>>		ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb
Sample ID.	**Easting**	**Northing**													
Line 5484100 N															
4100n 6575e	696578	5484102	36.2	18.6	20.2	79	6.1	46.3	<1	0.2	85.2	170	16	32.1	4900
4100n 6600e	696599	5484105	25.8	18.6	4.1	50	12.5	19.4	<1	<0.1	134	30	<1	9.1	6800
4100n 6625e	696624	5484098	49.8	24.7	15	24	10.8	66.3	<1	<0.1	49.3	251	<1	12.9	1300
4100n 6650e	696648	5484105	20.3	11.2	5.3	42	12.6	24.5	<1	<0.1	41.4	57	5	8.7	4800
4100n 6675e	696675	5484100	92.6	55.4	43.3	32	3.3	131	<1	<0.1	38.6	233	20	80.6	6100
4100n 6700e	696700	5484097	11.6	6.3	3.1	40	5	13.1	<1	<0.1	127	25	1	31.7	1900
4100n 6725e	696725	5484099	30.5	17.1	15.3	61	2.9	42.4	<1	<0.1	31.2	125	7	86.4	3200
4100n 6750e	696749	5484098	26	15.2	11.5	56	1.8	37.4	<1	<0.1	34	110	10	78.7	4100
4100n 6775e	696777	5484099	11.3	6.5	4.8	33	0.7	15.3	<1	<0.1	35.7	33	13	105	2000
4100n 6800e	696802	5484094	42.1	22.4	12.6	24	2.6	55.6	<1	<0.1	101	93	6	102	5500
4100n 6825e	696825	5484098	40.6	22.2	11.6	32	3.7	51.8	<1	<0.1	69.3	103	6	73.4	5700
4100n 6850e	696850	5484095	12.6	6.4	4.8	25	2.8	18.2	<1	<0.1	77.7	43	4	78.7	2200
4100n 6875e	696877	5484097	16.5	7.8	4.7	41	8.3	20.1	<1	<0.1	123	53	1	24.6	3900
4100n 6900e	696898	5484096	16.3	8.8	3.7	84	12.3	16.1	<1	<0.1	80.1	38	3	11.9	6200
4100n 6925e	696927	5484093	45.4	25.9	13.8	47	5	62.6	<1	<0.1	61.6	161	1	44	1400
4100n 6950e	696952	5484099	43.9	25.7	10.8	66	5.7	51.4	<1	<0.1	65.2	115	2	45.9	5300
4100n 6975e	696975	5484098	25	16.3	4.9	122	8.8	24.7	<1	0.1	59.9	48	7	64.6	5500
4100n 7000e	697000	5484093	95.2	54.1	26.4	78	5	116	<1	<0.1	51.5	230	3	73.2	4300
4100n 7025e	697024	5484096	50.8	28.5	16	119	5.5	68.4	<1	<0.1	44.5	189	3	58	1700
4100n 7050e	697052	5484097	40.8	20.3	12.4	37	3	53.8	<1	<0.1	45.6	166	2	87.3	700
4100n 7075e	697073	5484099	22.3	10.7	7.2	43	3.4	30.7	<1	<0.1	63.2	107	2	79.1	500
Line 5484200 N															
4200n 6575e	696574	5484206	40.6	25.5	8.5	90	12.5	38.4	<1	0.1	92.2	54	5	14	11000
4200n 6600e	696598	5484199	17.3	10.2	4.2	27	7.2	16.7	<1	<0.1	61.1	28	<1	27.7	2000
4200n 6625e	696625	5484198	45.2	26	10.7	18	14.1	43.9	<1	<0.1	57.7	69	<1	7.2	1700
4200n 6650e	696653	5484199	26.7	13.2	7.5	44	6.5	31.8	<1	<0.1	34.4	73	3	32.7	1400
4200n 6675e	696675	5484200	18	9.8	6.5	22	1.9	26.6	<1	<0.1	63.6	43	12	78.3	3800
4200n 6700e	696701	5484194	9	4.6	2.7	38	3.4	12.3	<1	<0.1	139	33	2	45	2500
4200n 6725e	696726	5484195	12.1	6	3.3	37	8	15.9	<1	<0.1	98	34	1	14.5	3400
4200n 6750e	696749	5484195	12.1	6	3.6	57	9.8	15.4	<1	<0.1	163	42	5	45	5000
4200n 6775e	696774	5484197	10	5.3	2.8	34	8.3	11.7	<1	<0.1	153	23	2	19.9	2100
4200n 6800e	696800	5484201	15.6	9.9	3.5	41	5	15.7	<1	<0.1	97.5	26	4	36.7	4700
4200n 6825e	696823	5484201	23.9	11.6	7	43	4.4	31	<1	<0.1	86.2	95	3	40.4	1500
4200n 6850e	696851	5484196	29.4	16.7	8	39	3.3	36.7	<1	<0.1	89.5	61	8	88.4	4100
4200n 6875e	696875	5484197	114	76.2	25.6	36	2.9	120	<1	<0.1	81.3	137	11	105	7700
4200n 6900e	696900	5484197	59.4	33.7	16.7	41	2.5	73.5	<1	<0.1	45.7	131	11	93.6	1700
4200n 6925e	696924	5484192	29.8	17.7	7	75	3.2	31.7	<1	<0.1	45.2	53	2	68.2	4300
4200n 6950e	696949	5484198	11.6	6.6	3	40	6.9	14.5	<1	<0.1	81.8	35	1	29.7	2600
4200n 6975e	696977	5484194	18.8	9.9	5.2	60	8.4	22	<1	<0.1	113	66	2	33.6	1900

RAVEN PROPERTY RAVEN GRID

MMI DATA

	ANALYTE >>		Mo	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
	DETECTION>>		2	0.5	1	5	0.1	5	1	0.5	0.1	1	0.5	5	1	1
	UNITS>>		ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Sample ID.	**Easting**	**Northing**														
Line 5484100 N																
4100n 6575e	696578	5484102	6	5.5	190	55	1.1	359	<1	45.1	<0.1	23	1.3	118	45	<1
4100n 6600e	696599	5484105	4	0.7	58	38	1.7	197	<1	11.3	<0.1	119	0.8	45	16	<1
4100n 6625e	696624	5484098	7	1.1	319	12	1.3	129	<1	71.7	<0.1	135	0.9	41	69	<1
4100n 6650e	696648	5484105	6	2.6	95	40	5.9	88	<1	19.6	<0.1	139	<0.5	45	22	<1
4100n 6675e	696675	5484100	9	1.3	421	121	0.6	128	<1	81.7	<0.1	25	<0.5	67	107	<1
4100n 6700e	696700	5484097	7	1.7	42	35	3	102	<1	8.3	<0.1	88	<0.5	21	11	<1
4100n 6725e	696725	5484099	17	1.2	196	115	0.5	39	<1	42.1	<0.1	17	<0.5	20	43	<1
4100n 6750e	696749	5484098	24	1.2	161	247	0.7	30	<1	34.5	<0.1	6	0.5	19	34	<1
4100n 6775e	696777	5484099	10	0.8	58	106	0.4	14	<1	11.8	<0.1	7	<0.5	13	14	<1
4100n 6800e	696802	5484094	16	<0.5	171	225	0.6	73	<1	34.8	<0.1	24	<0.5	40	45	<1
4100n 6825e	696825	5484098	17	0.8	175	187	0.5	89	<1	35.4	<0.1	63	<0.5	53	44	<1
4100n 6850e	696850	5484095	9	0.9	72	81	0.7	39	<1	14.8	<0.1	55	<0.5	32	17	<1
4100n 6875e	696877	5484097	11	1.7	78	26	3.2	115	<1	17.7	<0.1	144	<0.5	27	19	<1
4100n 6900e	696898	5484096	7	3.3	56	34	5.6	152	<1	12.4	<0.1	157	0.6	37	14	<1
4100n 6925e	696927	5484093	16	1.1	244	78	1	105	<1	52.3	<0.1	164	<0.5	43	57	<1
4100n 6950e	696952	5484099	9	1.9	177	81	2	228	<1	37.9	<0.1	172	<0.5	57	43	<1
4100n 6975e	696975	5484098	11	1.8	75	64	2.2	468	<1	16.4	<0.1	90	<0.5	80	20	<1
4100n 7000e	697000	5484093	9	1.2	397	108	0.9	132	<1	83.3	<0.1	100	0.5	71	99	<1
4100n 7025e	697024	5484096	12	2.7	272	75	1.4	142	<1	60.1	<0.1	85	0.7	54	61	<1
4100n 7050e	697052	5484097	6	0.8	226	70	0.6	102	<1	51	<0.1	51	<0.5	32	51	<1
4100n 7075e	697073	5484099	9	1.5	136	54	1.3	109	<1	30.2	<0.1	56	<0.5	34	29	<1
Line 5484200 N																
4200n 6575e	696574	5484206	4	3	115	41	3.8	149	<1	22.9	<0.1	186	<0.5	90	31	<1
4200n 6600e	696598	5484199	3	<0.5	55	60	0.7	73	<1	11.1	<0.1	173	<0.5	21	15	<1
4200n 6625e	696625	5484198	4	<0.5	155	23	0.9	139	<1	30.2	<0.1	126	<0.5	27	38	<1
4200n 6650e	696653	5484199	7	1.6	123	31	1.1	138	<1	27	<0.1	85	<0.5	34	30	<1
4200n 6675e	696675	5484200	20	1	85	69	0.4	52	<1	17	<0.1	39	<0.5	83	23	<1
4200n 6700e	696701	5484194	14	2	52	46	0.9	68	<1	11.7	<0.1	85	<0.5	56	12	<1
4200n 6725e	696726	5484195	8	2.5	61	32	3.6	86	<1	12.8	<0.1	96	<0.5	27	14	<1
4200n 6750e	696749	5484195	9	3.6	67	41	2.7	145	<1	14.7	<0.1	110	<0.5	44	15	<1
4200n 6775e	696774	5484197	6	1.4	43	29	2	83	<1	8.9	<0.1	139	<0.5	24	11	<1
4200n 6800e	696800	5484201	10	1.3	48	58	1.1	185	<1	10.3	<0.1	151	<0.5	36	13	<1
4200n 6825e	696823	5484201	15	3.7	138	74	1.4	104	<1	30.4	<0.1	30	<0.5	52	29	<1
4200n 6850e	696851	5484196	9	1	115	174	1.2	199	<1	23.3	<0.1	64	<0.5	48	29	<1
4200n 6875e	696875	5484197	9	<0.5	293	437	0.5	98	<1	57.9	<0.1	101	<0.5	59	85	<1
4200n 6900e	696900	5484197	13	<0.5	247	352	0.3	38	<1	49.6	<0.1	61	<0.5	38	60	<1
4200n 6925e	696924	5484192	10	0.8	96	94	0.9	202	<1	20.5	<0.1	124	<0.5	55	25	<1
4200n 6950e	696949	5484198	12	1	56	53	1	91	<1	12.3	<0.1	161	<0.5	27	14	<1
4200n 6975e	696977	5484194	11	1.9	95	44	1.5	137	<1	22.1	<0.1	330	<0.5	40	22	<1

RAVEN PROPERTY RAVEN GRID

MMI DATA

	ANALYTE >>		Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
	DETECTION>>		10	1	0.1	10	0.5	10	0.1	0.5	0.5	1	0.2	10	2
	UNITS>>		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Sample ID.	**Easting**	**Northing**													
Line 5484100 N															
4100n 6575e	696578	5484102	920	<1	6.6	10	33.7	620	0.2	93.8	0.6	170	13.5	390	79
4100n 6600e	696599	5484105	730	<1	3.6	<10	6.2	120	0.2	18.1	<0.5	158	15.3	440	76
4100n 6625e	696624	5484098	740	<1	9.4	<10	24.9	240	0.6	28.6	0.5	268	17.4	70	198
4100n 6650e	696648	5484105	570	<1	3.6	<10	12.4	610	0.4	17.4	0.5	115	9.9	250	158
4100n 6675e	696675	5484100	1440	<1	16.8	<10	23.4	110	0.2	357	<0.5	652	40.7	560	67
4100n 6700e	696700	5484097	960	<1	2	<10	11.1	210	0.2	18.2	<0.5	67	5.5	320	95
4100n 6725e	696725	5484099	2700	<1	5.7	<10	77.5	50	0.2	102	<0.5	181	13.9	330	56
4100n 6750e	696749	5484098	2690	<1	4.7	<10	115	30	<0.1	97.8	0.5	159	12.5	2260	68
4100n 6775e	696777	5484099	4050	<1	2	<10	84.9	20	0.1	47.8	<0.5	67	5.8	750	36
4100n 6800e	696802	5484094	3330	<1	7.6	<10	11.6	70	0.2	60.8	<0.5	257	16.6	1340	20
4100n 6825e	696825	5484098	2430	<1	7.1	<10	12.5	100	0.2	51.4	<0.5	247	16.6	870	30
4100n 6850e	696850	5484095	2740	<1	2.3	<10	14.7	110	0.1	25.3	<0.5	70	4.7	410	33
4100n 6875e	696877	5484097	1030	<1	2.9	<10	15.8	320	0.3	16.1	<0.5	80	6.7	110	124
4100n 6900e	696898	5484096	970	<1	2.7	<10	20.1	650	0.2	23.7	0.6	82	7.1	280	154
4100n 6925e	696927	5484093	2530	<1	8.2	<10	25.8	190	0.4	67.1	0.6	275	20.7	40	92
4100n 6950e	696952	5484099	2710	<1	7.4	<10	25	330	0.2	57.7	<0.5	255	21.1	430	97
4100n 6975e	696975	5484098	1750	<1	3.9	<10	18.8	450	0.2	23.2	0.5	148	13.1	3180	44
4100n 7000e	697000	5484093	3190	<1	16.5	<10	27.8	200	0.4	133	0.6	585	40.3	280	89
4100n 7025e	697024	5484096	2630	<1	9	<10	32	420	0.3	64	0.6	316	21.9	130	110
4100n 7050e	697052	5484097	2910	<1	7.3	<10	28.2	80	0.2	63.8	<0.5	224	14.6	100	50
4100n 7075e	697073	5484099	2960	<1	4.1	<10	18.9	130	0.1	32.4	<0.5	123	8.2	90	56
Line 5484200 N															
4200n 6575e	696574	5484206	1280	<1	6.1	<10	20.2	810	0.4	16.2	0.7	230	20	610	150
4200n 6600e	696598	5484199	910	<1	2.7	<10	6.9	60	0.3	20.1	<0.5	100	8.6	410	67
4200n 6625e	696625	5484198	510	<1	7.2	<10	10.9	90	0.2	26.4	<0.5	276	19.1	120	81
4200n 6650e	696653	5484199	710	<1	4.7	<10	22.3	260	0.3	33.5	<0.5	137	10.3	140	106
4200n 6675e	696675	5484200	1150	<1	3.2	<10	9.4	140	0.1	49	<0.5	104	6.8	880	31
4200n 6700e	696701	5484194	1130	<1	1.8	<10	15.8	250	0.1	12.9	<0.5	46	3.6	120	52
4200n 6725e	696726	5484195	530	<1	2.2	<10	14.4	400	0.2	11.2	0.5	56	4.5	150	128
4200n 6750e	696749	5484195	780	<1	2.3	<10	18.1	730	0.1	11.3	0.7	60	5	260	101
4200n 6775e	696774	5484197	930	<1	1.8	<10	9.1	290	0.2	10.7	<0.5	52	4.4	80	80
4200n 6800e	696800	5484201	1410	<1	2.5	<10	10.2	230	0.1	17.7	<0.5	91	7.3	1570	69
4200n 6825e	696823	5484201	1490	<1	4.5	<10	37.1	420	0.3	19	0.7	122	8.4	1340	68
4200n 6850e	696851	5484196	2880	<1	4.9	<10	7.7	130	0.2	30.3	<0.5	182	13	2170	28
4200n 6875e	696875	5484197	3210	<1	17.7	<10	11.4	60	0.4	151	0.6	716	61.2	1040	45
4200n 6900e	696900	5484197	3520	<1	10.3	<10	20.8	30	0.3	117	<0.5	363	26.8	140	74
4200n 6925e	696924	5484192	3580	<1	4.6	<10	14.7	110	0.4	33.8	<0.5	179	13.7	170	68
4200n 6950e	696949	5484198	1230	<1	2.1	<10	10.4	250	0.4	15.5	<0.5	59	4.9	220	79
4200n 6975e	696977	5484194	1290	<1	3.5	<10	19.2	450	0.5	13.6	<0.5	96	7.6	180	112

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MMI DATA

	ANALYTE >>		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	DETECTION>>		0.5	1	10	0.1	10	0.5	2	1	2	1	100	0.2	10
	UNITS>>		ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Sample ID.	**Easting**	**Northing**													
4200n 7000e	697002	5484198	26.2	155	<10	0.2	2650	<0.5	250	20	168	79	<100	3.6	740
4200n 7025e	697025	5484197	37.6	86	<10	0.5	3590	<0.5	364	13	130	29	<100	1.2	770
4200n 7050e	697046	5484203	11.5	196	10	0.2	2570	0.8	215	25	254	181	<100	2.4	680
4200n 7075e	697075	5484205	38.7	172	<10	0.3	1080	<0.5	132	19	158	49	<100	3.9	470
Line 5484300 N															
4300n 6575e	696576	5484300	12.2	117	<10	<0.1	2400	<0.5	341	30	130	14	<100	1.1	240
4300n 6600e	696599	5484308	4.9	133	<10	<0.1	1950	<0.5	333	78	262	21	<100	1.3	220
4300n 6625e	696625	5484300	15.9	66	<10	<0.1	2540	<0.5	343	18	110	26	<100	1.4	320
4300n 6650e	696651	5484301	5.7	48	<10	<0.1	1390	<0.5	403	33	216	114	<100	0.3	220
4300n 6675e	696676	5484304	13.4	84	<10	<0.1	1060	<0.5	401	32	134	39	<100	0.7	270
4300n 6700e	696700	5484305	25	153	10	0.2	1580	<0.5	165	13	263	31	<100	3.1	310
4300n 6725e	696725	5484311	36.2	119	<10	<0.1	1560	<0.5	330	47	122	46	<100	1.7	400
4300n 6750e	696749	5484302	27.9	41	<10	4.5	4380	<0.5	948	17	72	85	<100	<0.2	5790
4300n 6775e	696778	5484301	51.7	147	10	0.1	2060	<0.5	229	12	142	27	<100	2.6	320
4300n 6800e	696801	5484298	30.5	144	10	<0.1	3030	<0.5	295	34	69	43	<100	3.7	330
4300n 6825e	696824	5484298	34.2	164	20	<0.1	2780	<0.5	210	48	120	36	<100	3	390
4300n 6850e	696849	5484300	31.8	53	<10	0.1	1220	<0.5	640	695	86	21	<100	<0.2	620
4300n 6875e	696876	5484300	24.3	63	<10	0.4	2480	<0.5	631	119	245	102	<100	<0.2	2580
4300n 6900e	696899	5484295	21.3	138	10	0.2	1820	<0.5	308	18	112	50	<100	1.6	770
4300n 6925e	696925	5484289	8.9	58	10	0.2	1470	<0.5	613	76	187	84	<100	0.2	1550
4300n 6950e	696951	5484299	21.2	50	<10	0.4	2410	<0.5	605	34	161	62	<100	<0.2	1220
4300n 6975e	696975	5484298	24.4	46	<10	0.4	2770	<0.5	539	24	234	54	<100	0.3	1640
4300n 7000e	696999	5484297	30.7	116	<10	0.2	2010	<0.5	329	25	166	65	<100	2.3	1050
4300n 7025e	697024	5484294	41.5	86	<10	1.2	2800	<0.5	443	45	229	119	<100	0.8	1000
4300n 7050e	697051	5484298	36.1	188	20	0.1	2210	<0.5	165	27	265	74	<100	3.2	590
4300n 7075e	697075	5484301	22.6	18	10	3.1	3290	<0.5	526	6	31	28	<100	<0.2	3420
Line 5484400 N															
4400n 6575e	696575	5484400	6.7	121	<10	<0.1	2740	<0.5	244	33	146	15	<100	3	280
4400n 6600e	696601	5484402	28.6	152	10	0.1	1640	<0.5	145	100	234	46	<100	4.7	510
4400n 6625e	696625	5484398	18.4	61	<10	0.1	1150	<0.5	482	428	129	38	<100	2.8	1010
4400n 6650e	696650	5484396	25.1	92	<10	<0.1	1920	<0.5	295	49	100	15	<100	3.1	230
4400n 6675e	696676	5484394	16.9	85	<10	<0.1	7700	<0.5	419	37	143	11	<100	2.1	200
4400n 6700e	696698	5484400	46	107	<10	0.8	2350	<0.5	346	21	165	56	<100	1	800
4400n 6725e	696726	5484400	40.8	106	10	0.1	3370	<0.5	445	52	127	59	<100	1.1	580
4400n 6750e	696751	5484400	52.9	138	10	0.2	3230	<0.5	266	36	202	70	<100	5	540
4400n 6775e	696774	5484394	31.8	53	<10	0.8	4170	<0.5	576	51	76	42	<100	0.2	530
4400n 6800e	696798	5484397	39	72	<10	0.3	3580	<0.5	514	87	71	16	<100	0.4	790
4400n 6825e	696826	5484402	45.5	25	<10	0.1	440	<0.5	699	1130	67	183	<100	0.7	1290
4400n 6850e	696848	5484399	60	109	10	0.4	1830	<0.5	347	225	127	34	<100	1.7	670
4400n 6875e	696874	5484397	37.2	132	<10	0.2	1680	<0.5	292	162	103	44	<100	3.2	590

RAVEN PROPERTY RAVEN GRID

MMI DATA

	ANALYTE >>		Dy	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li	Mg	Mn
	DETECTION>>		0.5	0.2	0.2	1	0.5	0.5	1	0.1	0.5	1	1	0.5	100
	UNITS>>		ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb
Sample ID.	**Easting**	**Northing**													
4200n 7000e	697002	5484198	39.6	22.4	8.8	98	7.9	40.6	<1	<0.1	74.5	78	1	31.3	7900
4200n 7025e	697025	5484197	21.2	10.9	5.9	37	3.9	25.4	<1	<0.1	101	59	<1	56.3	1300
4200n 7050e	697046	5484203	38.7	22.7	8.6	118	12.4	40.5	<1	<0.1	75.5	106	4	33	7500
4200n 7075e	697075	5484205	18	9.6	4.5	60	15	20.2	<1	<0.1	59.8	49	2	8.8	4200
Line 5484300 N															
4300n 6575e	696576	5484300	14.7	8.2	4.2	39	4	17.5	<1	<0.1	90.8	35	3	25.5	3300
4300n 6600e	696599	5484308	31.2	17.6	7.8	37	4.5	34.8	<1	<0.1	76.3	53	7	37.7	7000
4300n 6625e	696625	5484300	9.7	5.1	3.4	27	3.6	13	<1	<0.1	116	34	2	23.9	2400
4300n 6650e	696651	5484301	15.2	8.4	4.4	42	2.7	20.1	<1	<0.1	114	54	12	64.3	7200
4300n 6675e	696676	5484304	10.6	6.1	3	58	3.6	13.5	<1	<0.1	129	37	2	38.8	4700
4300n 6700e	696700	5484305	23.8	11.9	6.7	55	14.8	31.8	<1	<0.1	59.8	89	3	12.5	3800
4300n 6725e	696725	5484311	15.5	8.6	3.9	37	8.4	18.4	<1	<0.1	354	36	3	38.7	5600
4300n 6750e	696749	5484302	14.2	7.9	4.4	36	1.8	18.8	<1	<0.1	109	42	7	110	1400
4300n 6775e	696778	5484301	12.3	6.7	3.5	56	9.8	14.7	<1	<0.1	133	49	2	14.2	2900
4300n 6800e	696801	5484298	7.9	4.2	2.1	50	8.4	7.9	<1	<0.1	126	23	2	28.7	7000
4300n 6825e	696824	5484298	14.5	7.6	3.8	64	10.3	15.9	<1	<0.1	89.8	45	1	17.7	5200
4300n 6850e	696849	5484300	31.2	20.8	7.9	26	1.7	33.7	<1	<0.1	73.6	44	14	79.2	3100
4300n 6875e	696876	5484300	127	73.7	32	68	2.8	140	<1	<0.1	57.8	293	7	109	2900
4300n 6900e	696899	5484295	22.3	12.6	5.6	58	5.5	24.3	<1	<0.1	123	55	2	38.6	1600
4300n 6925e	696925	5484289	87.2	52.8	21.8	32	2.9	98.2	<1	<0.1	40.9	194	10	101	7500
4300n 6950e	696951	5484299	42.2	23.8	11.9	36	2.2	55.2	<1	<0.1	37.6	132	11	100	2800
4300n 6975e	696975	5484298	37.9	20.4	10.8	34	2.3	48.1	<1	<0.1	34.3	133	10	93	2400
4300n 7000e	696999	5484297	36.5	20.4	9.6	63	4.4	41.8	<1	<0.1	95.8	104	1	46.2	2300
4300n 7025e	697024	5484294	29.2	15.1	7.8	56	3.2	30.4	<1	<0.1	96.7	91	1	78.9	4000
4300n 7050e	697051	5484298	25.7	13.2	6.5	66	16.1	30.1	<1	0.1	48.2	96	2	10.3	5600
4300n 7075e	697075	5484301	50.4	29.9	17.9	27	1.4	76.9	<1	<0.1	18.7	158	30	86	400
Line 5484400 N															
4400n 6575e	696575	5484400	14.6	7.9	3.6	48	12.7	18.1	<1	<0.1	89	66	4	15	9000
4400n 6600e	696601	5484402	27.5	15.7	6.1	53	13.5	29.5	<1	<0.1	54.8	88	2	8.5	10000
4400n 6625e	696625	5484398	18.2	10.2	4.7	27	2.9	24	<1	<0.1	64.7	53	2	63.1	4200
4400n 6650e	696650	5484396	10	5.1	2.6	33	7.3	12.1	<1	<0.1	99	37	<1	31.5	2500
4400n 6675e	696676	5484394	19.7	10.4	4.6	26	4.5	22.9	<1	<0.1	95.2	60	<1	61.8	1300
4400n 6700e	696698	5484400	22.1	12.4	5.5	45	4.2	24.5	<1	<0.1	185	62	2	34.9	3200
4400n 6725e	696726	5484400	16.3	8.8	3.9	35	2.8	16.6	<1	<0.1	129	40	<1	48	3500
4400n 6750e	696751	5484400	26.3	14	7	38	6.4	30	<1	<0.1	87.2	81	<1	11.8	3000
4400n 6775e	696774	5484394	13.8	7.9	3.7	31	2.5	15.6	<1	<0.1	187	33	<1	87.6	2800
4400n 6800e	696798	5484397	25	15.1	5.8	25	2.1	26	<1	<0.1	180	38	<1	88.2	1700
4400n 6825e	696826	5484402	46.7	28	9.5	20	1.5	42.4	<1	<0.1	47.3	44	4	92.2	8300
4400n 6850e	696848	5484399	30.4	17.5	6.3	35	4	29	<1	<0.1	165	47	<1	41.1	4200
4400n 6875e	696874	5484397	34.6	19	7.2	40	4.9	32.7	<1	<0.1	148	57	<1	33.3	2600

RAVEN PROPERTY RAVEN GRID

MMI DATA

		ANALYTE >>	Mo	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
		DETECTION>>	2	0.5	1	5	0.1	5	1	0.5	0.1	1	0.5	5	1	1
		UNITS>>	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Sample ID.	**Easting**	**Northing**														
4200n 7000e	697002	5484198	15	2.3	135	48	3	203	<1	29.7	<0.1	180	<0.5	59	33	<1
4200n 7025e	697025	5484197	10	0.7	94	35	2.2	113	<1	20.2	<0.1	166	<0.5	35	22	<1
4200n 7050e	697046	5484203	21	3.4	170	92	6.7	256	<1	37.4	<0.1	150	0.6	64	38	<1
4200n 7075e	697075	5484205	16	2.4	81	30	5	161	<1	18.1	<0.1	145	<0.5	32	20	<1
Line 5484300 N																
4300n 6575e	696576	5484300	5	2	67	78	3.3	81	<1	14.5	<0.1	141	<0.5	59	16	<1
4300n 6600e	696599	5484308	4	1.2	119	131	1	101	<1	24	<0.1	125	<0.5	70	31	<1
4300n 6625e	696625	5484300	4	1.6	58	49	1.5	46	<1	12.8	<0.1	132	<0.5	39	14	<1
4300n 6650e	696651	5484301	8	2.3	87	60	1.5	99	<1	19.3	<0.1	48	<0.5	68	20	<1
4300n 6675e	696676	5484304	15	2.3	60	55	1.1	95	<1	13.5	<0.1	104	<0.5	61	13	<1
4300n 6700e	696700	5484305	5	3.9	143	22	7.5	115	<1	33.6	<0.1	109	<0.5	43	32	<1
4300n 6725e	696725	5484311	10	2.1	72	48	3.9	93	<1	15.6	<0.1	165	<0.5	46	18	<1
4300n 6750e	696749	5484302	20	<0.5	63	61	0.3	62	<1	12.9	<0.1	25	0.6	11	15	<1
4300n 6775e	696778	5484301	5	2.9	66	30	6.4	109	<1	15.1	<0.1	238	<0.5	44	15	<1
4300n 6800e	696801	5484298	10	1.7	32	40	4.6	155	<1	7.2	<0.1	198	0.6	47	8	<1
4300n 6825e	696824	5484298	9	2.3	62	45	5.7	193	<1	14	<0.1	159	<0.5	42	15	<1
4300n 6850e	696849	5484300	10	<0.5	77	1060	0.3	23	<1	15.6	<0.1	93	<0.5	44	22	<1
4300n 6875e	696876	5484300	9	<0.5	415	401	0.2	176	<1	89.7	<0.1	37	0.6	53	105	<1
4300n 6900e	696899	5484295	9	1.4	80	102	3.3	134	<1	16.8	<0.1	159	0.5	53	20	<1
4300n 6925e	696925	5484289	14	<0.5	291	364	0.3	78	<1	60.9	<0.1	38	<0.5	48	75	<1
4300n 6950e	696951	5484299	13	<0.5	184	310	0.2	67	<1	38.8	<0.1	40	<0.5	43	45	<1
4300n 6975e	696975	5484298	16	<0.5	178	263	0.2	44	<1	39.5	<0.1	49	<0.5	34	42	<1
4300n 7000e	696999	5484297	8	1.3	142	81	2.6	101	<1	30.6	<0.1	136	<0.5	54	34	<1
4300n 7025e	697024	5484294	12	0.8	115	81	3.3	107	<1	25.6	<0.1	84	<0.5	60	26	<1
4300n 7050e	697051	5484298	11	3.2	123	52	6.7	177	<1	28.3	<0.1	123	<0.5	49	28	<1
4300n 7075e	697075	5484301	7	<0.5	250	47	0.1	29	<1	47.5	<0.1	13	<0.5	33	60	<1
Line 5484400 N																
4400n 6575e	696575	5484400	6	3.5	80	33	4.9	95	<1	18.3	<0.1	185	<0.5	52	17	<1
4400n 6600e	696601	5484402	9	2	120	30	2.4	167	<1	27.2	<0.1	201	<0.5	51	29	<1
4400n 6625e	696625	5484398	18	1.1	79	504	0.5	49	<1	16.6	<0.1	167	<0.5	62	19	<1
4400n 6650e	696650	5484396	12	1.7	52	29	2.9	78	<1	11.5	<0.1	231	<0.5	36	12	<1
4400n 6675e	696676	5484394	5	0.7	83	26	1.1	69	<1	17.9	<0.1	193	<0.5	36	20	<1
4400n 6700e	696698	5484400	37	1.1	95	60	1.6	131	<1	20.4	<0.1	106	<0.5	69	22	<1
4400n 6725e	696726	5484400	11	<0.5	55	64	1	150	<1	12.5	<0.1	188	<0.5	41	14	<1
4400n 6750e	696751	5484400	13	0.9	115	24	1.8	130	<1	25.2	<0.1	234	<0.5	53	27	<1
4400n 6775e	696774	5484394	15	<0.5	51	71	1.2	66	<1	10.4	<0.1	131	<0.5	35	12	<1
4400n 6800e	696798	5484397	11	<0.5	69	74	1.3	90	<1	13.3	<0.1	189	<0.5	40	19	<1
4400n 6825e	696826	5484402	34	<0.5	84	2730	0.3	<5	<1	16.4	<0.1	122	<0.5	26	25	<1
4400n 6850e	696848	5484399	7	0.6	78	131	2.6	86	<1	16	<0.1	361	<0.5	49	22	<1
4400n 6875e	696874	5484397	6	0.9	94	94	2.5	82	<1	19	<0.1	417	<0.5	41	26	<1

RAVEN PROPERTY RAVEN GRID

MMI DATA

		ANALYTE >>	Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
		DETECTION>>	10	1	0.1	10	0.5	10	0.1	0.5	0.5	1	0.2	10	2
		UNITS>>	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Sample ID.	**Easting**	**Northing**													
4200n 7000e	697002	5484198	2220	<1	6.3	<10	24.9	440	0.3	28.7	0.5	217	17.2	240	152
4200n 7025e	697025	5484197	4280	<1	3.8	<10	10.5	90	0.4	17.2	<0.5	104	8.1	110	60
4200n 7050e	697046	5484203	1480	<1	6.2	<10	39.3	740	0.5	30.2	0.8	199	18.3	820	212
4200n 7075e	697075	5484205	440	<1	3	<10	19.7	490	0.2	16.1	0.8	84	7.6	260	182
Line 5484300 N															
4300n 6575e	696576	5484300	1350	<1	2.5	<10	13.1	230	0.2	19.1	<0.5	78	6.8	1450	81
4300n 6600e	696599	5484308	1010	<1	5.4	<10	20	220	0.2	36.6	<0.5	171	14.2	5080	103
4300n 6625e	696625	5484300	1090	<1	1.7	<10	14.2	210	0.1	14.3	<0.5	44	3.8	1350	54
4300n 6650e	696651	5484301	1220	<1	2.7	<10	36.2	270	0.1	25.6	<0.5	80	6.9	640	55
4300n 6675e	696676	5484304	990	<1	1.9	<10	16.9	240	0.1	13.4	0.6	56	4.8	210	44
4300n 6700e	696700	5484305	350	<1	4.5	<10	18.8	820	0.3	15.4	0.9	111	9.6	160	197
4300n 6725e	696725	5484311	1210	<1	2.8	<10	10.6	460	0.4	12.1	<0.5	75	6.9	280	109
4300n 6750e	696749	5484302	8430	<1	2.5	<10	7.1	<10	0.2	18.7	<0.5	89	5.6	130	12
4300n 6775e	696778	5484301	680	<1	2.2	<10	14.3	560	0.4	7.9	0.6	62	5.2	70	120
4300n 6800e	696801	5484298	1750	<1	1.4	<10	9.7	410	0.2	7.3	<0.5	39	3.3	610	81
4300n 6825e	696824	5484298	1120	<1	2.4	<10	14	410	0.3	9.8	0.7	76	6	800	109
4300n 6850e	696849	5484300	2770	<1	5.1	<10	4.6	40	0.2	17.4	<0.5	245	15.9	13500	31
4300n 6875e	696876	5484300	4860	<1	21	<10	9.4	20	0.3	166	0.6	808	53	1780	47
4300n 6900e	696899	5484295	2290	<1	3.8	<10	9.6	230	0.3	20.4	<0.5	132	9.6	140	77
4300n 6925e	696925	5484289	3760	<1	14.5	<10	10.4	20	0.3	138	<0.5	559	41	930	33
4300n 6950e	696951	5484299	3810	<1	7.5	<10	13.2	20	0.2	68.1	<0.5	277	18.5	340	32
4300n 6975e	696975	5484298	3540	<1	6.5	<10	25.6	20	0.3	70.7	<0.5	229	15	350	47
4300n 7000e	696999	5484297	2960	<1	6.2	<10	13.7	150	0.3	31.7	<0.5	221	14.8	220	95
4300n 7025e	697024	5484294	7280	<1	4.8	<10	10.3	80	0.2	24.1	<0.5	154	10.9	370	73
4300n 7050e	697051	5484298	710	<1	4.4	<10	25.5	630	0.3	15.5	0.9	138	10.8	340	220
4300n 7075e	697075	5484301	5190	<1	9.3	<10	65.2	30	0.2	240	<0.5	362	22.6	190	21
Line 5484400 N															
4400n 6575e	696575	5484400	910	<1	2.5	<10	12.6	600	0.3	16.1	0.7	76	6.4	790	146
4400n 6600e	696601	5484402	700	<1	4.7	<10	20.7	370	0.4	15.9	0.6	148	12.4	740	189
4400n 6625e	696625	5484398	1350	<1	3.2	<10	8.5	80	0.2	32.3	<0.5	129	7	9150	54
4400n 6650e	696650	5484396	1090	<1	1.9	<10	8.3	220	0.2	9.3	0.6	49	4.1	410	89
4400n 6675e	696676	5484394	4010	<1	3.5	<10	7.2	30	0.3	17	<0.5	103	8.1	280	85
4400n 6700e	696698	5484400	5030	<1	3.9	<10	12.9	160	0.3	17.7	<0.5	117	9.3	140	93
4400n 6725e	696726	5484400	5940	<1	2.7	<10	6.6	40	0.2	12.3	<0.5	85	6.9	380	64
4400n 6750e	696751	5484400	2670	<1	4.8	<10	14.8	170	0.5	11.6	<0.5	144	11.6	220	138
4400n 6775e	696774	5484394	8630	<1	2.4	<10	6.7	30	0.1	16.5	<0.5	75	5.8	300	32
4400n 6800e	696798	5484397	7170	<1	4.3	<10	3.6	20	0.2	13.5	<0.5	149	11.4	730	31
4400n 6825e	696826	5484402	2420	<1	7.3	<10	3.4	<10	0.3	34	<0.5	302	21.5	14400	23
4400n 6850e	696848	5484399	2880	<1	4.8	<10	6.4	70	0.4	13.2	<0.5	173	13	970	68
4400n 6875e	696874	5484397	2190	<1	5.6	<10	7.4	130	0.4	16.6	<0.5	196	14	820	82

RAVEN PROPERTY RAVEN GRID

MMI DATA

	ANALYTE >>		Ag	Al	As	Au	Ba	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	DETECTION>>		0.5	1	10	0.1	10	0.5	2	1	2	1	100	0.2	10
	UNITS>>		ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb
Sample ID.	**Easting**	**Northing**													
4400n 6900e	696899	5484397	6.4	113	<10	<0.1	1450	<0.5	392	142	131	98	<100	1.5	570
4400n 6925e	696924	5484395	33.3	103	<10	0.3	1320	<0.5	463	113	86	67	<100	2.1	1920
4400n 6950e	696951	5484396	19.8	160	10	0.2	1510	<0.5	243	58	133	91	<100	2.8	550
4400n 6975e	696978	5484418	17.6	67	<10	0.7	1130	<0.5	510	117	128	98	<100	0.8	3080
4400n 7000e	697001	5484414	34.1	101	<10	0.7	1230	<0.5	395	76	227	351	<100	0.8	2340
4400n 7025e	697024	5484407	24.4	76	10	0.6	1270	<0.5	440	20	325	260	<100	<0.2	1320
4400n 7050e	697049	5484400	25.7	59	10	1.7	3270	<0.5	376	17	132	29	<100	0.3	1650
4400n 7075e	697073	5484406	47.8	182	20	0.5	1680	0.7	100	20	316	107	<100	3.7	670

RAVEN PROPERTY RAVEN GRID

MMI DATA

	ANALYTE >>		Dy	Er	Eu	Fe	Ga	Gd	Hg	In	K	La	Li	Mg	Mn
	DETECTION>>		0.5	0.2	0.2	1	0.5	0.5	1	0.1	0.5	1	1	0.5	100
	UNITS>>		ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppm	ppb
Sample ID.	Easting	Northing													
4400n 6900e	696899	5484397	38.4	24.6	8.9	91	3	40.6	<1	<0.1	31.7	64	5	51.1	4200
4400n 6925e	696924	5484395	56.1	33.9	14.7	38	3	65.9	<1	<0.1	44.7	106	4	74.8	3900
4400n 6950e	696951	5484396	14.2	7.3	4	63	7.7	17	<1	<0.1	75.8	47	3	31.2	3100
4400n 6975e	696978	5484418	109	79.9	24.2	50	1.8	118	<1	<0.1	38.2	182	14	95.6	4800
4400n 7000e	697001	5484414	144	87.1	33.3	76	3.5	162	<1	<0.1	33	276	16	73	1800
4400n 7025e	697024	5484407	57.3	31.5	14.9	122	4.7	70.7	<1	<0.1	47.2	222	12	61	1600
4400n 7050e	697049	5484400	22.5	11.3	7.4	34	2.8	31.4	<1	<0.1	55.4	106	4	45.6	600
4400n 7075e	697073	5484406	26.7	15.1	7	84	21.7	32.4	<1	0.1	38.2	115	3	6.7	4500

RAVEN PROPERTY RAVEN GRID

MMI DATA

	ANALYTE >>		Mo	Nb	Nd	Ni	P	Pb	Pd	Pr	Pt	Rb	Sb	Sc	Sm	Sn
	DETECTION>>		2	0.5	1	5	0.1	5	1	0.5	0.1	1	0.5	5	1	1
	UNITS>>		ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Sample ID.	Easting	Northing														
4400n 6900e	696899	5484397	5	0.7	111	188	0.7	176	<1	22.1	<0.1	131	<0.5	51	30	<1
4400n 6925e	696924	5484395	8	0.5	185	216	0.7	112	<1	36.4	<0.1	119	<0.5	39	48	<1
4400n 6950e	696951	5484396	8	1.8	69	104	4.3	127	<1	15.3	<0.1	184	<0.5	51	16	<1
4400n 6975e	696978	5484418	16	<0.5	309	872	0.3	148	<1	61.9	<0.1	82	<0.5	62	84	<1
4400n 7000e	697001	5484414	8	<0.5	470	586	0.4	239	<1	97	<0.1	77	<0.5	98	123	<1
4400n 7025e	697024	5484407	11	2.2	277	228	1.2	208	<1	64.3	<0.1	13	0.9	90	62	<1
4400n 7050e	697049	5484400	9	0.6	137	89	1.5	77	<1	29.9	<0.1	51	<0.5	27	30	<1
4400n 7075e	697073	5484406	7	3.9	152	52	10.6	214	<1	35.5	<0.1	151	0.7	65	32	<1

RAVEN PROPERTY RAVEN GRID

MMI DATA

	ANALYTE >>		Sr	Ta	Tb	Te	Th	Ti	Tl	U	W	Y	Yb	Zn	Zr
	DETECTION>>		10	1	0.1	10	0.5	10	0.1	0.5	0.5	1	0.2	10	2
	UNITS>>		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Sample ID.	**Easting**	**Northing**													
4400n 6900e	696899	5484397	2750	<1	6	<10	9.4	110	0.2	25	<0.5	276	18.6	1770	48
4400n 6925e	696924	5484395	2940	<1	8.9	<10	6.9	70	0.2	62.4	<0.5	413	24.9	880	43
4400n 6950e	696951	5484396	1300	<1	2.6	<10	13.5	370	0.3	11	<0.5	78	6.1	500	94
4400n 6975e	696978	5484418	3320	<1	16.5	<10	9.5	20	0.3	153	0.7	812	64.7	630	35
4400n 7000e	697001	5484414	2090	<1	23.2	<10	26.7	50	0.3	145	0.7	923	65.8	50	69
4400n 7025e	697024	5484407	2340	<1	9.9	<10	31.7	350	0.1	57.3	0.6	328	24.4	230	104
4400n 7050e	697049	5484400	3220	<1	4.1	<10	26.9	60	0.3	36.2	<0.5	121	8.9	350	65
4400n 7075e	697073	5484406	340	<1	4.9	<10	27	820	0.5	18.8	1	143	12.2	240	242

ANALYSIS REPORT BBM24-41998

To GEOTRONICS CONSULTING INC.
DAVID MARK
132 SADDLEHORN DRIVE
KALEDEN V0H 1K0
BC
CANADA

Order Number	PO:	Date Received	24 Jul 2024
Submission Number	RAVEN / 84 Soil	Date Analysed	13 Aug 2024 - 27 Aug 2024
Number of Samples	84	Date Completed	28 Aug 2024
		SGS Order Number	BBM24-41998

Methods Summary

Number of Sample	Method Code	Description
84	G_WGH_KG	Weight of samples received
84	GE_MMIM	Mobile Metal ION standard package,ICP-MS

Authorised Signatory



John Chiang
Laboratory Operations Manager

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- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

SGS Canada Inc. NAM Minerals Geochemistry 3260 Production Way Burnaby BC. V5A 4W4 CANADA **t** +1 (604) 638 2349 **f** +1 (604) 444 www.sgs.com
Member of the SGS Group (SGS SA)

Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
Client Sample ID						
4100n 6575e	0.27	5.3	124	10	<0.1	1720
4100n 6600e	0.24	3.4	130	<10	<0.1	2820
4100n 6625e	0.35	4.5	128	<10	<0.1	3290
4100n 6650e	0.32	9.2	162	<10	0.1	2980
4100n 6675e	0.22	8.7	62	<10	<0.1	1450
4100n 6700e	0.32	8.0	140	<10	0.2	2250
4100n 6725e	0.36	14.1	42	<10	0.3	6660
4100n 6750e	0.39	20.9	18	<10	0.3	2610
4100n 6775e	0.36	16.5	12	<10	0.6	3890
4100n 6800e	0.25	6.6	50	<10	<0.1	1350
4100n 6825e	0.27	8.1	77	<10	<0.1	1400
4100n 6850e	0.34	20.0	45	<10	0.2	3450
4100n 6875e	0.33	30.3	140	<10	0.1	2590
4100n 6900e	0.31	19.7	169	<10	<0.1	1930
4100n 6925e	0.33	42.2	87	<10	0.6	2110
4100n 6950e	0.28	12.2	112	<10	0.2	2030
4100n 6975e	0.26	3.9	138	<10	<0.1	1810
4100n 7000e	0.30	23.7	93	<10	0.2	2720
4100n 7025e	0.28	23.5	88	<10	0.3	2950
4100n 7050e	0.24	28.5	52	<10	0.3	3240
4100n 7075e	0.28	33.7	63	<10	0.3	4430
4200n 6575e	0.25	4.2	195	<10	<0.1	6920
4200n 6600e	0.30	5.6	123	<10	<0.1	2230
4200n 6625e	0.30	8.1	142	<10	<0.1	2190
4200n 6650e	0.26	6.3	133	<10	<0.1	2230
4200n 6675e	0.28	3.7	31	<10	<0.1	1470
4200n 6700e	0.26	2.2	59	<10	<0.1	1330
4200n 6725e	0.32	6.9	129	<10	<0.1	1270
4200n 6750e	0.31	12.8	134	<10	<0.1	2090
4200n 6775e	0.27	42.0	134	<10	<0.1	1300

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

SGS Canada Inc. NAM Minerals Geochemistry 3260 Production Way Burnaby BC. V5A 4W4 CANADA **t** +1 (604) 638 2349 **f** +1 (604) 444 www.sgs.com

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
Client Sample ID						
4200n 6800e	0.22	12.9	135	<10	<0.1	1180
4200n 6825e	0.31	17.3	110	<10	0.3	1190
4200n 6850e	0.30	10.6	68	<10	<0.1	1170
4200n 6875e	0.30	12.6	76	<10	0.3	1090
4200n 6900e	0.37	26.0	53	<10	0.9	2750
4200n 6925e	0.28	21.3	116	<10	0.2	2960
4200n 6950e	0.28	20.8	102	<10	0.3	1240
4200n 6975e	0.32	22.2	155	<10	0.2	3080
4200n 7000e	0.30	26.2	155	<10	0.2	2650
4200n 7025e	0.36	37.6	86	<10	0.5	3590
4200n 7050e	0.29	11.5	196	10	0.2	2570
4200n 7075e	0.29	38.7	172	<10	0.3	1080
4300n 6575e	0.25	12.2	117	<10	<0.1	2400
4300n 6600e	0.25	4.9	133	<10	<0.1	1950
4300n 6625e	0.30	15.9	66	<10	<0.1	2540
4300n 6650e	0.29	5.7	48	<10	<0.1	1390
4300n 6675e	0.29	13.4	84	<10	<0.1	1060
4300n 6700e	0.33	25.0	153	10	0.2	1580
4300n 6725e	0.30	36.2	119	<10	<0.1	1560
4300n 6750e	0.32	27.9	41	<10	4.5	4380
4300n 6775e	0.26	51.7	147	10	0.1	2060
4300n 6800e	0.29	30.5	144	10	<0.1	3030
4300n 6825e	0.28	34.2	164	20	<0.1	2780
4300n 6850e	0.30	31.8	53	<10	0.1	1220
4300n 6875e	0.28	24.3	63	<10	0.4	2480
4300n 6900e	0.30	21.3	138	10	0.2	1820
4300n 6925e	0.31	8.9	58	10	0.2	1470
4300n 6950e	0.28	21.2	50	<10	0.4	2410
4300n 6975e	0.33	24.4	46	<10	0.4	2770
4300n 7000e	0.32	30.7	116	<10	0.2	2010

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
Client Sample ID						
4300n 7025e	0.33	41.5	86	<10	1.2	2800
4300n 7050e	0.33	36.1	188	20	0.1	2210
4300n 7075e	0.41	22.6	18	10	3.1	3290
4400n 6575e	0.29	6.7	121	<10	<0.1	2740
4400n 6600e	0.28	28.6	152	10	0.1	1640
4400n 6625e	0.30	18.4	61	<10	0.1	1150
4400n 6650e	0.27	25.1	92	<10	<0.1	1920
4400n 6675e	0.30	16.9	85	<10	<0.1	7700
4400n 6700e	0.31	46.0	107	<10	0.8	2350
4400n 6725e	0.31	40.8	106	10	0.1	3370
4400n 6750e	0.27	52.9	138	10	0.2	3230
4400n 6775e	0.31	31.8	53	<10	0.8	4170
4400n 6800e	0.30	39.0	72	<10	0.3	3580
4400n 6825e	0.31	45.5	25	<10	0.1	440
4400n 6850e	0.30	60.0	109	10	0.4	1830
4400n 6875e	0.32	37.2	132	<10	0.2	1680
4400n 6900e	0.29	6.4	113	<10	<0.1	1450
4400n 6925e	0.25	33.3	103	<10	0.3	1320
4400n 6950e	0.34	19.8	160	10	0.2	1510
4400n 6975e	0.30	17.6	67	<10	0.7	1130
4400n 7000e	0.29	34.1	101	<10	0.7	1230
4400n 7025e	0.27	24.4	76	10	0.6	1270
4400n 7050e	0.32	25.7	59	10	1.7	3270
4400n 7075e	0.32	47.8	182	20	0.5	1680
*Rep 4100n 6700e	-	7.5	140	<10	<0.1	2320
*Rep 4200n 6575e	-	3.6	192	<10	<0.1	6620
*Std AMIS0841	-	2.4	148	10	4.9	120
*Rep 4200n 7000e	-	26.0	151	<10	0.2	2640
*Blk BLANK	-	<0.5	<1	<10	<0.1	10
*Std MMISRM24	-	22.9	45	10	4.6	210

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Wtkg	Ag	Al	As	Au	Ba
Method	G_WGH_KG	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.01	0.5	1	10	0.1	10
Upper Limit	--	--	--	--	--	--
Unit	kg	ppb	ppm m / m	ppb	ppb	ppb
Client Sample ID						
*Blk BLANK	-	<0.5	<1	<10	<0.1	<10
*Rep 4300n 7050e	-	39.1	183	10	0.2	2090
*Rep 4400n 6725e	-	48.6	110	<10	0.1	3660

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
Client Sample ID						
4100n 6575e	1.4	330	10	151	68	<100
4100n 6600e	<0.5	143	10	73	32	<100
4100n 6625e	<0.5	162	3	412	14	<100
4100n 6650e	<0.5	180	8	141	19	<100
4100n 6675e	<0.5	573	12	174	55	<100
4100n 6700e	<0.5	273	8	67	10	<100
4100n 6725e	<0.5	597	9	393	57	<100
4100n 6750e	<0.5	596	61	423	66	<100
4100n 6775e	<0.5	597	18	82	40	<100
4100n 6800e	<0.5	568	58	90	43	<100
4100n 6825e	<0.5	447	30	156	29	<100
4100n 6850e	<0.5	453	12	59	21	<100
4100n 6875e	<0.5	219	11	134	18	<100
4100n 6900e	<0.5	180	14	113	33	<100
4100n 6925e	<0.5	351	7	250	35	<100
4100n 6950e	<0.5	372	24	191	74	<100
4100n 6975e	1.0	270	78	93	137	<100
4100n 7000e	<0.5	391	16	296	49	<100
4100n 7025e	<0.5	336	10	246	52	<100
4100n 7050e	<0.5	387	7	252	19	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
Client Sample ID						
4100n 7075e	<0.5	376	6	163	30	<100
4200n 6575e	<0.5	183	18	164	18	<100
4200n 6600e	<0.5	231	12	73	8	<100
4200n 6625e	<0.5	114	10	159	6	<100
4200n 6650e	<0.5	283	7	218	11	<100
4200n 6675e	<0.5	521	17	55	24	<100
4200n 6700e	<0.5	428	16	95	23	<100
4200n 6725e	<0.5	266	8	97	11	<100
4200n 6750e	<0.5	315	14	136	35	<100
4200n 6775e	<0.5	270	18	73	12	<100
4200n 6800e	<0.5	367	56	55	50	<100
4200n 6825e	<0.5	359	43	295	126	<100
4200n 6850e	<0.5	516	75	76	78	<100
4200n 6875e	<0.5	521	100	145	89	<100
4200n 6900e	<0.5	508	28	204	40	<100
4200n 6925e	<0.5	411	16	118	98	<100
4200n 6950e	<0.5	293	14	90	53	<100
4200n 6975e	<0.5	264	16	220	62	<100
4200n 7000e	<0.5	250	20	168	79	<100
4200n 7025e	<0.5	364	13	130	29	<100
4200n 7050e	0.8	215	25	254	181	<100
4200n 7075e	<0.5	132	19	158	49	<100
4300n 6575e	<0.5	341	30	130	14	<100
4300n 6600e	<0.5	333	78	262	21	<100
4300n 6625e	<0.5	343	18	110	26	<100
4300n 6650e	<0.5	403	33	216	114	<100
4300n 6675e	<0.5	401	32	134	39	<100
4300n 6700e	<0.5	165	13	263	31	<100
4300n 6725e	<0.5	330	47	122	46	<100
4300n 6750e	<0.5	948	17	72	85	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
Client Sample ID						
4300n 6775e	<0.5	229	12	142	27	<100
4300n 6800e	<0.5	295	34	69	43	<100
4300n 6825e	<0.5	210	48	120	36	<100
4300n 6850e	<0.5	640	695	86	21	<100
4300n 6875e	<0.5	631	119	245	102	<100
4300n 6900e	<0.5	308	18	112	50	<100
4300n 6925e	<0.5	613	76	187	84	<100
4300n 6950e	<0.5	605	34	161	62	<100
4300n 6975e	<0.5	539	24	234	54	<100
4300n 7000e	<0.5	329	25	166	65	<100
4300n 7025e	<0.5	443	45	229	119	<100
4300n 7050e	<0.5	165	27	265	74	<100
4300n 7075e	<0.5	526	6	31	28	<100
4400n 6575e	<0.5	244	33	146	15	<100
4400n 6600e	<0.5	145	100	234	46	<100
4400n 6625e	<0.5	482	428	129	38	<100
4400n 6650e	<0.5	295	49	100	15	<100
4400n 6675e	<0.5	419	37	143	11	<100
4400n 6700e	<0.5	346	21	165	56	<100
4400n 6725e	<0.5	445	52	127	59	<100
4400n 6750e	<0.5	266	36	202	70	<100
4400n 6775e	<0.5	576	51	76	42	<100
4400n 6800e	<0.5	514	87	71	16	<100
4400n 6825e	<0.5	699	1130	67	183	<100
4400n 6850e	<0.5	347	225	127	34	<100
4400n 6875e	<0.5	292	162	103	44	<100
4400n 6900e	<0.5	392	142	131	98	<100
4400n 6925e	<0.5	463	113	86	67	<100
4400n 6950e	<0.5	243	58	133	91	<100
4400n 6975e	<0.5	510	117	128	98	<100

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Bi	Ca	Cd	Ce	Co	Cr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	2	1	2	1	100
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
Client Sample ID						
4400n 7000e	<0.5	395	76	227	351	<100
4400n 7025e	<0.5	440	20	325	260	<100
4400n 7050e	<0.5	376	17	132	29	<100
4400n 7075e	0.7	100	20	316	107	<100
*Rep 4100n 6700e	<0.5	269	8	63	12	<100
*Rep 4200n 6575e	<0.5	185	19	157	15	<100
*Std AMIS0841	0.7	36	9	735	641	<100
*Rep 4200n 7000e	0.5	245	16	178	72	<100
*Blk BLANK	<0.5	<2	<1	<2	<1	<100
*Std MMISRM24	<0.5	67	6	60	19	<100
*Blk BLANK	<0.5	<2	<1	<2	<1	<100
*Rep 4300n 7050e	<0.5	175	28	259	65	<100
*Rep 4400n 6725e	<0.5	449	45	146	62	<100

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
Client Sample ID						
4100n 6575e	0.4	190	36.2	18.6	20.2	79
4100n 6600e	3.1	200	25.8	18.6	4.1	50
4100n 6625e	5.2	460	49.8	24.7	15.0	24
4100n 6650e	4.4	310	20.3	11.2	5.3	42
4100n 6675e	0.8	860	92.6	55.4	43.3	32
4100n 6700e	1.8	190	11.6	6.3	3.1	40
4100n 6725e	<0.2	1910	30.5	17.1	15.3	61
4100n 6750e	<0.2	2590	26.0	15.2	11.5	56
4100n 6775e	<0.2	1220	11.3	6.5	4.8	33
4100n 6800e	<0.2	550	42.1	22.4	12.6	24

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
Client Sample ID						
4100n 6825e	0.5	490	40.6	22.2	11.6	32
4100n 6850e	0.3	590	12.6	6.4	4.8	25
4100n 6875e	2.2	300	16.5	7.8	4.7	41
4100n 6900e	3.0	220	16.3	8.8	3.7	84
4100n 6925e	2.6	1110	45.4	25.9	13.8	47
4100n 6950e	1.9	740	43.9	25.7	10.8	66
4100n 6975e	0.8	340	25.0	16.3	4.9	122
4100n 7000e	1.3	1600	95.2	54.1	26.4	78
4100n 7025e	1.3	1210	50.8	28.5	16.0	119
4100n 7050e	0.4	890	40.8	20.3	12.4	37
4100n 7075e	0.3	660	22.3	10.7	7.2	43
4200n 6575e	2.8	220	40.6	25.5	8.5	90
4200n 6600e	5.5	330	17.3	10.2	4.2	27
4200n 6625e	3.9	240	45.2	26.0	10.7	18
4200n 6650e	2.8	150	26.7	13.2	7.5	44
4200n 6675e	0.4	280	18.0	9.8	6.5	22
4200n 6700e	0.8	260	9.0	4.6	2.7	38
4200n 6725e	1.8	180	12.1	6.0	3.3	37
4200n 6750e	1.6	160	12.1	6.0	3.6	57
4200n 6775e	1.9	320	10.0	5.3	2.8	34
4200n 6800e	3.5	220	15.6	9.9	3.5	41
4200n 6825e	0.3	320	23.9	11.6	7.0	43
4200n 6850e	0.3	740	29.4	16.7	8.0	39
4200n 6875e	0.5	1890	114	76.2	25.6	36
4200n 6900e	0.6	3250	59.4	33.7	16.7	41
4200n 6925e	1.0	1080	29.8	17.7	7.0	75
4200n 6950e	4.4	540	11.6	6.6	3.0	40
4200n 6975e	5.3	610	18.8	9.9	5.2	60
4200n 7000e	3.6	740	39.6	22.4	8.8	98
4200n 7025e	1.2	770	21.2	10.9	5.9	37

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
Client Sample ID						
4200n 7050e	2.4	680	38.7	22.7	8.6	118
4200n 7075e	3.9	470	18.0	9.6	4.5	60
4300n 6575e	1.1	240	14.7	8.2	4.2	39
4300n 6600e	1.3	220	31.2	17.6	7.8	37
4300n 6625e	1.4	320	9.7	5.1	3.4	27
4300n 6650e	0.3	220	15.2	8.4	4.4	42
4300n 6675e	0.7	270	10.6	6.1	3.0	58
4300n 6700e	3.1	310	23.8	11.9	6.7	55
4300n 6725e	1.7	400	15.5	8.6	3.9	37
4300n 6750e	<0.2	5790	14.2	7.9	4.4	36
4300n 6775e	2.6	320	12.3	6.7	3.5	56
4300n 6800e	3.7	330	7.9	4.2	2.1	50
4300n 6825e	3.0	390	14.5	7.6	3.8	64
4300n 6850e	<0.2	620	31.2	20.8	7.9	26
4300n 6875e	<0.2	2580	127	73.7	32.0	68
4300n 6900e	1.6	770	22.3	12.6	5.6	58
4300n 6925e	0.2	1550	87.2	52.8	21.8	32
4300n 6950e	<0.2	1220	42.2	23.8	11.9	36
4300n 6975e	0.3	1640	37.9	20.4	10.8	34
4300n 7000e	2.3	1050	36.5	20.4	9.6	63
4300n 7025e	0.8	1000	29.2	15.1	7.8	56
4300n 7050e	3.2	590	25.7	13.2	6.5	66
4300n 7075e	<0.2	3420	50.4	29.9	17.9	27
4400n 6575e	3.0	280	14.6	7.9	3.6	48
4400n 6600e	4.7	510	27.5	15.7	6.1	53
4400n 6625e	2.8	1010	18.2	10.2	4.7	27
4400n 6650e	3.1	230	10.0	5.1	2.6	33
4400n 6675e	2.1	200	19.7	10.4	4.6	26
4400n 6700e	1.0	800	22.1	12.4	5.5	45
4400n 6725e	1.1	580	16.3	8.8	3.9	35

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Cs	Cu	Dy	Er	Eu	Fe
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.2	10	0.5	0.2	0.2	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppm m / m
Client Sample ID						
4400n 6750e	5.0	540	26.3	14.0	7.0	38
4400n 6775e	0.2	530	13.8	7.9	3.7	31
4400n 6800e	0.4	790	25.0	15.1	5.8	25
4400n 6825e	0.7	1290	46.7	28.0	9.5	20
4400n 6850e	1.7	670	30.4	17.5	6.3	35
4400n 6875e	3.2	590	34.6	19.0	7.2	40
4400n 6900e	1.5	570	38.4	24.6	8.9	91
4400n 6925e	2.1	1920	56.1	33.9	14.7	38
4400n 6950e	2.8	550	14.2	7.3	4.0	63
4400n 6975e	0.8	3080	109	79.9	24.2	50
4400n 7000e	0.8	2340	144	87.1	33.3	76
4400n 7025e	<0.2	1320	57.3	31.5	14.9	122
4400n 7050e	0.3	1650	22.5	11.3	7.4	34
4400n 7075e	3.7	670	26.7	15.1	7.0	84
*Rep 4100n 6700e	1.9	180	12.0	6.8	3.4	42
*Rep 4200n 6575e	2.6	210	37.5	22.8	7.4	84
*Std AMIS0841	71.2	20700	386	288	84.4	22
*Rep 4200n 7000e	3.6	750	32.7	18.4	8.2	91
*Blk BLANK	<0.2	<10	<0.5	<0.2	<0.2	<1
*Std MMISRM24	10.7	280	4.6	1.9	1.5	9
*Blk BLANK	<0.2	<10	<0.5	<0.2	<0.2	<1
*Rep 4300n 7050e	3.2	560	24.5	12.9	5.9	65
*Rep 4400n 6725e	1.2	640	19.7	10.4	4.8	33

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
Client Sample ID						

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
Client Sample ID						
4100n 6575e	6.1	46.3	<1	0.2	85.2	170
4100n 6600e	12.5	19.4	<1	<0.1	134	30
4100n 6625e	10.8	66.3	<1	<0.1	49.3	251
4100n 6650e	12.6	24.5	<1	<0.1	41.4	57
4100n 6675e	3.3	131	<1	<0.1	38.6	233
4100n 6700e	5.0	13.1	<1	<0.1	127	25
4100n 6725e	2.9	42.4	<1	<0.1	31.2	125
4100n 6750e	1.8	37.4	<1	<0.1	34.0	110
4100n 6775e	0.7	15.3	<1	<0.1	35.7	33
4100n 6800e	2.6	55.6	<1	<0.1	101	93
4100n 6825e	3.7	51.8	<1	<0.1	69.3	103
4100n 6850e	2.8	18.2	<1	<0.1	77.7	43
4100n 6875e	8.3	20.1	<1	<0.1	123	53
4100n 6900e	12.3	16.1	<1	<0.1	80.1	38
4100n 6925e	5.0	62.6	<1	<0.1	61.6	161
4100n 6950e	5.7	51.4	<1	<0.1	65.2	115
4100n 6975e	8.8	24.7	<1	0.1	59.9	48
4100n 7000e	5.0	116	<1	<0.1	51.5	230
4100n 7025e	5.5	68.4	<1	<0.1	44.5	189
4100n 7050e	3.0	53.8	<1	<0.1	45.6	166
4100n 7075e	3.4	30.7	<1	<0.1	63.2	107
4200n 6575e	12.5	38.4	<1	0.1	92.2	54
4200n 6600e	7.2	16.7	<1	<0.1	61.1	28
4200n 6625e	14.1	43.9	<1	<0.1	57.7	69
4200n 6650e	6.5	31.8	<1	<0.1	34.4	73
4200n 6675e	1.9	26.6	<1	<0.1	63.6	43
4200n 6700e	3.4	12.3	<1	<0.1	139	33
4200n 6725e	8.0	15.9	<1	<0.1	98.0	34
4200n 6750e	9.8	15.4	<1	<0.1	163	42
4200n 6775e	8.3	11.7	<1	<0.1	153	23

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
Client Sample ID						
4200n 6800e	5.0	15.7	<1	<0.1	97.5	26
4200n 6825e	4.4	31.0	<1	<0.1	86.2	95
4200n 6850e	3.3	36.7	<1	<0.1	89.5	61
4200n 6875e	2.9	120	<1	<0.1	81.3	137
4200n 6900e	2.5	73.5	<1	<0.1	45.7	131
4200n 6925e	3.2	31.7	<1	<0.1	45.2	53
4200n 6950e	6.9	14.5	<1	<0.1	81.8	35
4200n 6975e	8.4	22.0	<1	<0.1	113	66
4200n 7000e	7.9	40.6	<1	<0.1	74.5	78
4200n 7025e	3.9	25.4	<1	<0.1	101	59
4200n 7050e	12.4	40.5	<1	<0.1	75.5	106
4200n 7075e	15.0	20.2	<1	<0.1	59.8	49
4300n 6575e	4.0	17.5	<1	<0.1	90.8	35
4300n 6600e	4.5	34.8	<1	<0.1	76.3	53
4300n 6625e	3.6	13.0	<1	<0.1	116	34
4300n 6650e	2.7	20.1	<1	<0.1	114	54
4300n 6675e	3.6	13.5	<1	<0.1	129	37
4300n 6700e	14.8	31.8	<1	<0.1	59.8	89
4300n 6725e	8.4	18.4	<1	<0.1	354	36
4300n 6750e	1.8	18.8	<1	<0.1	109	42
4300n 6775e	9.8	14.7	<1	<0.1	133	49
4300n 6800e	8.4	7.9	<1	<0.1	126	23
4300n 6825e	10.3	15.9	<1	<0.1	89.8	45
4300n 6850e	1.7	33.7	<1	<0.1	73.6	44
4300n 6875e	2.8	140	<1	<0.1	57.8	293
4300n 6900e	5.5	24.3	<1	<0.1	123	55
4300n 6925e	2.9	98.2	<1	<0.1	40.9	194
4300n 6950e	2.2	55.2	<1	<0.1	37.6	132
4300n 6975e	2.3	48.1	<1	<0.1	34.3	133
4300n 7000e	4.4	41.8	<1	<0.1	95.8	104

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
Client Sample ID						
4300n 7025e	3.2	30.4	<1	<0.1	96.7	91
4300n 7050e	16.1	30.1	<1	0.1	48.2	96
4300n 7075e	1.4	76.9	<1	<0.1	18.7	158
4400n 6575e	12.7	18.1	<1	<0.1	89.0	66
4400n 6600e	13.5	29.5	<1	<0.1	54.8	88
4400n 6625e	2.9	24.0	<1	<0.1	64.7	53
4400n 6650e	7.3	12.1	<1	<0.1	99.0	37
4400n 6675e	4.5	22.9	<1	<0.1	95.2	60
4400n 6700e	4.2	24.5	<1	<0.1	185	62
4400n 6725e	2.8	16.6	<1	<0.1	129	40
4400n 6750e	6.4	30.0	<1	<0.1	87.2	81
4400n 6775e	2.5	15.6	<1	<0.1	187	33
4400n 6800e	2.1	26.0	<1	<0.1	180	38
4400n 6825e	1.5	42.4	<1	<0.1	47.3	44
4400n 6850e	4.0	29.0	<1	<0.1	165	47
4400n 6875e	4.9	32.7	<1	<0.1	148	57
4400n 6900e	3.0	40.6	<1	<0.1	31.7	64
4400n 6925e	3.0	65.9	<1	<0.1	44.7	106
4400n 6950e	7.7	17.0	<1	<0.1	75.8	47
4400n 6975e	1.8	118	<1	<0.1	38.2	182
4400n 7000e	3.5	162	<1	<0.1	33.0	276
4400n 7025e	4.7	70.7	<1	<0.1	47.2	222
4400n 7050e	2.8	31.4	<1	<0.1	55.4	106
4400n 7075e	21.7	32.4	<1	0.1	38.2	115
*Rep 4100n 6700e	5.1	12.0	<1	<0.1	132	24
*Rep 4200n 6575e	11.9	33.5	<1	0.1	98.5	50
*Std AMIS0841	10.1	377	<1	0.2	115	406
*Rep 4200n 7000e	7.8	36.2	<1	0.1	73.7	77
*Blk BLANK	<0.5	<0.5	<1	<0.1	<0.5	<1
*Std MMISRM24	3.2	6.4	2	<0.1	12.9	24

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Ga	Gd	Hg	In	K	La
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.1	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppm m / m	ppb
Client Sample ID						
*Blk BLANK	<0.5	<0.5	<1	<0.1	<0.5	<1
*Rep 4300n 7050e	15.2	27.2	<1	<0.1	48.9	95
*Rep 4400n 6725e	3.1	20.2	<1	<0.1	123	50

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
Client Sample ID						
4100n 6575e	16	32.1	4900	6	5.5	190
4100n 6600e	<1	9.1	6800	4	0.7	58
4100n 6625e	<1	12.9	1300	7	1.1	319
4100n 6650e	5	8.7	4800	6	2.6	95
4100n 6675e	20	80.6	6100	9	1.3	421
4100n 6700e	1	31.7	1900	7	1.7	42
4100n 6725e	7	86.4	3200	17	1.2	196
4100n 6750e	10	78.7	4100	24	1.2	161
4100n 6775e	13	105	2000	10	0.8	58
4100n 6800e	6	102	5500	16	<0.5	171
4100n 6825e	6	73.4	5700	17	0.8	175
4100n 6850e	4	78.7	2200	9	0.9	72
4100n 6875e	1	24.6	3900	11	1.7	78
4100n 6900e	3	11.9	6200	7	3.3	56
4100n 6925e	1	44.0	1400	16	1.1	244
4100n 6950e	2	45.9	5300	9	1.9	177
4100n 6975e	7	64.6	5500	11	1.8	75
4100n 7000e	3	73.2	4300	9	1.2	397
4100n 7025e	3	58.0	1700	12	2.7	272
4100n 7050e	2	87.3	700	6	0.8	226

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
Client Sample ID						
4100n 7075e	2	79.1	500	9	1.5	136
4200n 6575e	5	14.0	11000	4	3.0	115
4200n 6600e	<1	27.7	2000	3	<0.5	55
4200n 6625e	<1	7.2	1700	4	<0.5	155
4200n 6650e	3	32.7	1400	7	1.6	123
4200n 6675e	12	78.3	3800	20	1.0	85
4200n 6700e	2	45.0	2500	14	2.0	52
4200n 6725e	1	14.5	3400	8	2.5	61
4200n 6750e	5	45.0	5000	9	3.6	67
4200n 6775e	2	19.9	2100	6	1.4	43
4200n 6800e	4	36.7	4700	10	1.3	48
4200n 6825e	3	40.4	1500	15	3.7	138
4200n 6850e	8	88.4	4100	9	1.0	115
4200n 6875e	11	105	7700	9	<0.5	293
4200n 6900e	11	93.6	1700	13	<0.5	247
4200n 6925e	2	68.2	4300	10	0.8	96
4200n 6950e	1	29.7	2600	12	1.0	56
4200n 6975e	2	33.6	1900	11	1.9	95
4200n 7000e	1	31.3	7900	15	2.3	135
4200n 7025e	<1	56.3	1300	10	0.7	94
4200n 7050e	4	33.0	7500	21	3.4	170
4200n 7075e	2	8.8	4200	16	2.4	81
4300n 6575e	3	25.5	3300	5	2.0	67
4300n 6600e	7	37.7	7000	4	1.2	119
4300n 6625e	2	23.9	2400	4	1.6	58
4300n 6650e	12	64.3	7200	8	2.3	87
4300n 6675e	2	38.8	4700	15	2.3	60
4300n 6700e	3	12.5	3800	5	3.9	143
4300n 6725e	3	38.7	5600	10	2.1	72
4300n 6750e	7	110	1400	20	<0.5	63

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
Client Sample ID						
4300n 6775e	2	14.2	2900	5	2.9	66
4300n 6800e	2	28.7	7000	10	1.7	32
4300n 6825e	1	17.7	5200	9	2.3	62
4300n 6850e	14	79.2	3100	10	<0.5	77
4300n 6875e	7	109	2900	9	<0.5	415
4300n 6900e	2	38.6	1600	9	1.4	80
4300n 6925e	10	101	7500	14	<0.5	291
4300n 6950e	11	100	2800	13	<0.5	184
4300n 6975e	10	93.0	2400	16	<0.5	178
4300n 7000e	1	46.2	2300	8	1.3	142
4300n 7025e	1	78.9	4000	12	0.8	115
4300n 7050e	2	10.3	5600	11	3.2	123
4300n 7075e	30	86.0	400	7	<0.5	250
4400n 6575e	4	15.0	9000	6	3.5	80
4400n 6600e	2	8.5	10000	9	2.0	120
4400n 6625e	2	63.1	4200	18	1.1	79
4400n 6650e	<1	31.5	2500	12	1.7	52
4400n 6675e	<1	61.8	1300	5	0.7	83
4400n 6700e	2	34.9	3200	37	1.1	95
4400n 6725e	<1	48.0	3500	11	<0.5	55
4400n 6750e	<1	11.8	3000	13	0.9	115
4400n 6775e	<1	87.6	2800	15	<0.5	51
4400n 6800e	<1	88.2	1700	11	<0.5	69
4400n 6825e	4	92.2	8300	34	<0.5	84
4400n 6850e	<1	41.1	4200	7	0.6	78
4400n 6875e	<1	33.3	2600	6	0.9	94
4400n 6900e	5	51.1	4200	5	0.7	111
4400n 6925e	4	74.8	3900	8	0.5	185
4400n 6950e	3	31.2	3100	8	1.8	69
4400n 6975e	14	95.6	4800	16	<0.5	309

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Li	Mg	Mn	Mo	Nb	Nd
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	100	2	0.5	1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
Client Sample ID						
4400n 7000e	16	73.0	1800	8	<0.5	470
4400n 7025e	12	61.0	1600	11	2.2	277
4400n 7050e	4	45.6	600	9	0.6	137
4400n 7075e	3	6.7	4500	7	3.9	152
*Rep 4100n 6700e	2	32.5	2200	6	1.8	42
*Rep 4200n 6575e	4	15.2	11600	4	2.9	106
*Std AMIS0841	<1	6.7	29100	10	<0.5	1290
*Rep 4200n 7000e	2	29.1	6700	17	2.3	131
*Blk BLANK	<1	<0.5	<100	<2	<0.5	<1
*Std MMISRM24	1	13.3	300	25	<0.5	32
*Blk BLANK	<1	<0.5	<100	<2	<0.5	<1
*Rep 4300n 7050e	1	10.2	5400	10	2.9	121
*Rep 4400n 6725e	<1	47.1	3100	12	<0.5	67

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
Client Sample ID						
4100n 6575e	55	1.1	359	<1	45.1	<0.1
4100n 6600e	38	1.7	197	<1	11.3	<0.1
4100n 6625e	12	1.3	129	<1	71.7	<0.1
4100n 6650e	40	5.9	88	<1	19.6	<0.1
4100n 6675e	121	0.6	128	<1	81.7	<0.1
4100n 6700e	35	3.0	102	<1	8.3	<0.1
4100n 6725e	115	0.5	39	<1	42.1	<0.1
4100n 6750e	247	0.7	30	<1	34.5	<0.1
4100n 6775e	106	0.4	14	<1	11.8	<0.1
4100n 6800e	225	0.6	73	<1	34.8	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
Client Sample ID						
4100n 6825e	187	0.5	89	<1	35.4	<0.1
4100n 6850e	81	0.7	39	<1	14.8	<0.1
4100n 6875e	26	3.2	115	<1	17.7	<0.1
4100n 6900e	34	5.6	152	<1	12.4	<0.1
4100n 6925e	78	1.0	105	<1	52.3	<0.1
4100n 6950e	81	2.0	228	<1	37.9	<0.1
4100n 6975e	64	2.2	468	<1	16.4	<0.1
4100n 7000e	108	0.9	132	<1	83.3	<0.1
4100n 7025e	75	1.4	142	<1	60.1	<0.1
4100n 7050e	70	0.6	102	<1	51.0	<0.1
4100n 7075e	54	1.3	109	<1	30.2	<0.1
4200n 6575e	41	3.8	149	<1	22.9	<0.1
4200n 6600e	60	0.7	73	<1	11.1	<0.1
4200n 6625e	23	0.9	139	<1	30.2	<0.1
4200n 6650e	31	1.1	138	<1	27.0	<0.1
4200n 6675e	69	0.4	52	<1	17.0	<0.1
4200n 6700e	46	0.9	68	<1	11.7	<0.1
4200n 6725e	32	3.6	86	<1	12.8	<0.1
4200n 6750e	41	2.7	145	<1	14.7	<0.1
4200n 6775e	29	2.0	83	<1	8.9	<0.1
4200n 6800e	58	1.1	185	<1	10.3	<0.1
4200n 6825e	74	1.4	104	<1	30.4	<0.1
4200n 6850e	174	1.2	199	<1	23.3	<0.1
4200n 6875e	437	0.5	98	<1	57.9	<0.1
4200n 6900e	352	0.3	38	<1	49.6	<0.1
4200n 6925e	94	0.9	202	<1	20.5	<0.1
4200n 6950e	53	1.0	91	<1	12.3	<0.1
4200n 6975e	44	1.5	137	<1	22.1	<0.1
4200n 7000e	48	3.0	203	<1	29.7	<0.1
4200n 7025e	35	2.2	113	<1	20.2	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
Client Sample ID						
4200n 7050e	92	6.7	256	<1	37.4	<0.1
4200n 7075e	30	5.0	161	<1	18.1	<0.1
4300n 6575e	78	3.3	81	<1	14.5	<0.1
4300n 6600e	131	1.0	101	<1	24.0	<0.1
4300n 6625e	49	1.5	46	<1	12.8	<0.1
4300n 6650e	60	1.5	99	<1	19.3	<0.1
4300n 6675e	55	1.1	95	<1	13.5	<0.1
4300n 6700e	22	7.5	115	<1	33.6	<0.1
4300n 6725e	48	3.9	93	<1	15.6	<0.1
4300n 6750e	61	0.3	62	<1	12.9	<0.1
4300n 6775e	30	6.4	109	<1	15.1	<0.1
4300n 6800e	40	4.6	155	<1	7.2	<0.1
4300n 6825e	45	5.7	193	<1	14.0	<0.1
4300n 6850e	1060	0.3	23	<1	15.6	<0.1
4300n 6875e	401	0.2	176	<1	89.7	<0.1
4300n 6900e	102	3.3	134	<1	16.8	<0.1
4300n 6925e	364	0.3	78	<1	60.9	<0.1
4300n 6950e	310	0.2	67	<1	38.8	<0.1
4300n 6975e	263	0.2	44	<1	39.5	<0.1
4300n 7000e	81	2.6	101	<1	30.6	<0.1
4300n 7025e	81	3.3	107	<1	25.6	<0.1
4300n 7050e	52	6.7	177	<1	28.3	<0.1
4300n 7075e	47	0.1	29	<1	47.5	<0.1
4400n 6575e	33	4.9	95	<1	18.3	<0.1
4400n 6600e	30	2.4	167	<1	27.2	<0.1
4400n 6625e	504	0.5	49	<1	16.6	<0.1
4400n 6650e	29	2.9	78	<1	11.5	<0.1
4400n 6675e	26	1.1	69	<1	17.9	<0.1
4400n 6700e	60	1.6	131	<1	20.4	<0.1
4400n 6725e	64	1.0	150	<1	12.5	<0.1

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Ni	P	Pb	Pd	Pr	Pt
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	5	0.1	5	1	0.5	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppm m / m	ppb	ppb	ppb	ppb
Client Sample ID						
4400n 6750e	24	1.8	130	<1	25.2	<0.1
4400n 6775e	71	1.2	66	<1	10.4	<0.1
4400n 6800e	74	1.3	90	<1	13.3	<0.1
4400n 6825e	2730	0.3	<5	<1	16.4	<0.1
4400n 6850e	131	2.6	86	<1	16.0	<0.1
4400n 6875e	94	2.5	82	<1	19.0	<0.1
4400n 6900e	188	0.7	176	<1	22.1	<0.1
4400n 6925e	216	0.7	112	<1	36.4	<0.1
4400n 6950e	104	4.3	127	<1	15.3	<0.1
4400n 6975e	872	0.3	148	<1	61.9	<0.1
4400n 7000e	586	0.4	239	<1	97.0	<0.1
4400n 7025e	228	1.2	208	<1	64.3	<0.1
4400n 7050e	89	1.5	77	<1	29.9	<0.1
4400n 7075e	52	10.6	214	<1	35.5	<0.1
*Rep 4100n 6700e	33	3.1	106	<1	8.3	<0.1
*Rep 4200n 6575e	39	3.7	154	<1	20.9	<0.1
*Std AMIS0841	367	0.9	283	1	249	<0.1
*Rep 4200n 7000e	43	3.0	198	<1	28.1	<0.1
*Blk BLANK	<5	<0.1	<5	<1	<0.5	<0.1
*Std MMISRM24	154	0.6	347	7	7.6	3.5
*Blk BLANK	<5	<0.1	<5	<1	<0.5	<0.1
*Rep 4300n 7050e	54	6.0	175	<1	28.1	<0.1
*Rep 4400n 6725e	62	0.9	158	<1	15.0	<0.1

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
Client Sample ID						

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
Client Sample ID						
4100n 6575e	23	1.3	118	45	<1	920
4100n 6600e	119	0.8	45	16	<1	730
4100n 6625e	135	0.9	41	69	<1	740
4100n 6650e	139	<0.5	45	22	<1	570
4100n 6675e	25	<0.5	67	107	<1	1440
4100n 6700e	88	<0.5	21	11	<1	960
4100n 6725e	17	<0.5	20	43	<1	2700
4100n 6750e	6	0.5	19	34	<1	2690
4100n 6775e	7	<0.5	13	14	<1	4050
4100n 6800e	24	<0.5	40	45	<1	3330
4100n 6825e	63	<0.5	53	44	<1	2430
4100n 6850e	55	<0.5	32	17	<1	2740
4100n 6875e	144	<0.5	27	19	<1	1030
4100n 6900e	157	0.6	37	14	<1	970
4100n 6925e	164	<0.5	43	57	<1	2530
4100n 6950e	172	<0.5	57	43	<1	2710
4100n 6975e	90	<0.5	80	20	<1	1750
4100n 7000e	100	0.5	71	99	<1	3190
4100n 7025e	85	0.7	54	61	<1	2630
4100n 7050e	51	<0.5	32	51	<1	2910
4100n 7075e	56	<0.5	34	29	<1	2960
4200n 6575e	186	<0.5	90	31	<1	1280
4200n 6600e	173	<0.5	21	15	<1	910
4200n 6625e	126	<0.5	27	38	<1	510
4200n 6650e	85	<0.5	34	30	<1	710
4200n 6675e	39	<0.5	83	23	<1	1150
4200n 6700e	85	<0.5	56	12	<1	1130
4200n 6725e	96	<0.5	27	14	<1	530
4200n 6750e	110	<0.5	44	15	<1	780
4200n 6775e	139	<0.5	24	11	<1	930

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
Client Sample ID						
4200n 6800e	151	<0.5	36	13	<1	1410
4200n 6825e	30	<0.5	52	29	<1	1490
4200n 6850e	64	<0.5	48	29	<1	2880
4200n 6875e	101	<0.5	59	85	<1	3210
4200n 6900e	61	<0.5	38	60	<1	3520
4200n 6925e	124	<0.5	55	25	<1	3580
4200n 6950e	161	<0.5	27	14	<1	1230
4200n 6975e	330	<0.5	40	22	<1	1290
4200n 7000e	180	<0.5	59	33	<1	2220
4200n 7025e	166	<0.5	35	22	<1	4280
4200n 7050e	150	0.6	64	38	<1	1480
4200n 7075e	145	<0.5	32	20	<1	440
4300n 6575e	141	<0.5	59	16	<1	1350
4300n 6600e	125	<0.5	70	31	<1	1010
4300n 6625e	132	<0.5	39	14	<1	1090
4300n 6650e	48	<0.5	68	20	<1	1220
4300n 6675e	104	<0.5	61	13	<1	990
4300n 6700e	109	<0.5	43	32	<1	350
4300n 6725e	165	<0.5	46	18	<1	1210
4300n 6750e	25	0.6	11	15	<1	8430
4300n 6775e	238	<0.5	44	15	<1	680
4300n 6800e	198	0.6	47	8	<1	1750
4300n 6825e	159	<0.5	42	15	<1	1120
4300n 6850e	93	<0.5	44	22	<1	2770
4300n 6875e	37	0.6	53	105	<1	4860
4300n 6900e	159	0.5	53	20	<1	2290
4300n 6925e	38	<0.5	48	75	<1	3760
4300n 6950e	40	<0.5	43	45	<1	3810
4300n 6975e	49	<0.5	34	42	<1	3540
4300n 7000e	136	<0.5	54	34	<1	2960

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
Client Sample ID						
4300n 7025e	84	<0.5	60	26	<1	7280
4300n 7050e	123	<0.5	49	28	<1	710
4300n 7075e	13	<0.5	33	60	<1	5190
4400n 6575e	185	<0.5	52	17	<1	910
4400n 6600e	201	<0.5	51	29	<1	700
4400n 6625e	167	<0.5	62	19	<1	1350
4400n 6650e	231	<0.5	36	12	<1	1090
4400n 6675e	193	<0.5	36	20	<1	4010
4400n 6700e	106	<0.5	69	22	<1	5030
4400n 6725e	188	<0.5	41	14	<1	5940
4400n 6750e	234	<0.5	53	27	<1	2670
4400n 6775e	131	<0.5	35	12	<1	8630
4400n 6800e	189	<0.5	40	19	<1	7170
4400n 6825e	122	<0.5	26	25	<1	2420
4400n 6850e	361	<0.5	49	22	<1	2880
4400n 6875e	417	<0.5	41	26	<1	2190
4400n 6900e	131	<0.5	51	30	<1	2750
4400n 6925e	119	<0.5	39	48	<1	2940
4400n 6950e	184	<0.5	51	16	<1	1300
4400n 6975e	82	<0.5	62	84	<1	3320
4400n 7000e	77	<0.5	98	123	<1	2090
4400n 7025e	13	0.9	90	62	<1	2340
4400n 7050e	51	<0.5	27	30	<1	3220
4400n 7075e	151	0.7	65	32	<1	340
*Rep 4100n 6700e	90	<0.5	22	11	<1	980
*Rep 4200n 6575e	190	<0.5	82	29	<1	1250
*Std AMIS0841	1300	3.2	928	355	<1	70
*Rep 4200n 7000e	173	<0.5	59	32	<1	2020
*Blk BLANK	<1	<0.5	<5	<1	<1	<10
*Std MMISRM24	146	<0.5	11	7	<1	1660

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Rb	Sb	Sc	Sm	Sn	Sr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.5	5	1	1	10
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
Client Sample ID						
*Blk BLANK	<1	<0.5	<5	<1	<1	<10
*Rep 4300n 7050e	124	<0.5	46	27	<1	730
*Rep 4400n 6725e	186	<0.5	40	18	<1	6240

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
Client Sample ID						
4100n 6575e	<1	6.6	10	33.7	620	0.2
4100n 6600e	<1	3.6	<10	6.2	120	0.2
4100n 6625e	<1	9.4	<10	24.9	240	0.6
4100n 6650e	<1	3.6	<10	12.4	610	0.4
4100n 6675e	<1	16.8	<10	23.4	110	0.2
4100n 6700e	<1	2.0	<10	11.1	210	0.2
4100n 6725e	<1	5.7	<10	77.5	50	0.2
4100n 6750e	<1	4.7	<10	115	30	<0.1
4100n 6775e	<1	2.0	<10	84.9	20	0.1
4100n 6800e	<1	7.6	<10	11.6	70	0.2
4100n 6825e	<1	7.1	<10	12.5	100	0.2
4100n 6850e	<1	2.3	<10	14.7	110	0.1
4100n 6875e	<1	2.9	<10	15.8	320	0.3
4100n 6900e	<1	2.7	<10	20.1	650	0.2
4100n 6925e	<1	8.2	<10	25.8	190	0.4
4100n 6950e	<1	7.4	<10	25.0	330	0.2
4100n 6975e	<1	3.9	<10	18.8	450	0.2
4100n 7000e	<1	16.5	<10	27.8	200	0.4
4100n 7025e	<1	9.0	<10	32.0	420	0.3
4100n 7050e	<1	7.3	<10	28.2	80	0.2

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
Client Sample ID						
4100n 7075e	<1	4.1	<10	18.9	130	0.1
4200n 6575e	<1	6.1	<10	20.2	810	0.4
4200n 6600e	<1	2.7	<10	6.9	60	0.3
4200n 6625e	<1	7.2	<10	10.9	90	0.2
4200n 6650e	<1	4.7	<10	22.3	260	0.3
4200n 6675e	<1	3.2	<10	9.4	140	0.1
4200n 6700e	<1	1.8	<10	15.8	250	0.1
4200n 6725e	<1	2.2	<10	14.4	400	0.2
4200n 6750e	<1	2.3	<10	18.1	730	0.1
4200n 6775e	<1	1.8	<10	9.1	290	0.2
4200n 6800e	<1	2.5	<10	10.2	230	0.1
4200n 6825e	<1	4.5	<10	37.1	420	0.3
4200n 6850e	<1	4.9	<10	7.7	130	0.2
4200n 6875e	<1	17.7	<10	11.4	60	0.4
4200n 6900e	<1	10.3	<10	20.8	30	0.3
4200n 6925e	<1	4.6	<10	14.7	110	0.4
4200n 6950e	<1	2.1	<10	10.4	250	0.4
4200n 6975e	<1	3.5	<10	19.2	450	0.5
4200n 7000e	<1	6.3	<10	24.9	440	0.3
4200n 7025e	<1	3.8	<10	10.5	90	0.4
4200n 7050e	<1	6.2	<10	39.3	740	0.5
4200n 7075e	<1	3.0	<10	19.7	490	0.2
4300n 6575e	<1	2.5	<10	13.1	230	0.2
4300n 6600e	<1	5.4	<10	20.0	220	0.2
4300n 6625e	<1	1.7	<10	14.2	210	0.1
4300n 6650e	<1	2.7	<10	36.2	270	0.1
4300n 6675e	<1	1.9	<10	16.9	240	0.1
4300n 6700e	<1	4.5	<10	18.8	820	0.3
4300n 6725e	<1	2.8	<10	10.6	460	0.4
4300n 6750e	<1	2.5	<10	7.1	<10	0.2

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Member of the SGS Group (SGS SA)

Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
Client Sample ID						
4300n 6775e	<1	2.2	<10	14.3	560	0.4
4300n 6800e	<1	1.4	<10	9.7	410	0.2
4300n 6825e	<1	2.4	<10	14.0	410	0.3
4300n 6850e	<1	5.1	<10	4.6	40	0.2
4300n 6875e	<1	21.0	<10	9.4	20	0.3
4300n 6900e	<1	3.8	<10	9.6	230	0.3
4300n 6925e	<1	14.5	<10	10.4	20	0.3
4300n 6950e	<1	7.5	<10	13.2	20	0.2
4300n 6975e	<1	6.5	<10	25.6	20	0.3
4300n 7000e	<1	6.2	<10	13.7	150	0.3
4300n 7025e	<1	4.8	<10	10.3	80	0.2
4300n 7050e	<1	4.4	<10	25.5	630	0.3
4300n 7075e	<1	9.3	<10	65.2	30	0.2
4400n 6575e	<1	2.5	<10	12.6	600	0.3
4400n 6600e	<1	4.7	<10	20.7	370	0.4
4400n 6625e	<1	3.2	<10	8.5	80	0.2
4400n 6650e	<1	1.9	<10	8.3	220	0.2
4400n 6675e	<1	3.5	<10	7.2	30	0.3
4400n 6700e	<1	3.9	<10	12.9	160	0.3
4400n 6725e	<1	2.7	<10	6.6	40	0.2
4400n 6750e	<1	4.8	<10	14.8	170	0.5
4400n 6775e	<1	2.4	<10	6.7	30	0.1
4400n 6800e	<1	4.3	<10	3.6	20	0.2
4400n 6825e	<1	7.3	<10	3.4	<10	0.3
4400n 6850e	<1	4.8	<10	6.4	70	0.4
4400n 6875e	<1	5.6	<10	7.4	130	0.4
4400n 6900e	<1	6.0	<10	9.4	110	0.2
4400n 6925e	<1	8.9	<10	6.9	70	0.2
4400n 6950e	<1	2.6	<10	13.5	370	0.3
4400n 6975e	<1	16.5	<10	9.5	20	0.3

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Member of the SGS Group (SGS SA)

Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	Ta	Tb	Te	Th	Ti	Tl
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	1	0.1	10	0.5	10	0.1
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
Client Sample ID						
4400n 7000e	<1	23.2	<10	26.7	50	0.3
4400n 7025e	<1	9.9	<10	31.7	350	0.1
4400n 7050e	<1	4.1	<10	26.9	60	0.3
4400n 7075e	<1	4.9	<10	27.0	820	0.5
*Rep 4100n 6700e	<1	2.0	<10	11.1	240	0.1
*Rep 4200n 6575e	<1	5.6	<10	19.5	740	0.3
*Std AMIS0841	<1	59.3	<10	285	<10	1.4
*Rep 4200n 7000e	<1	5.4	<10	25.5	490	0.4
*Blk BLANK	<1	<0.1	<10	<0.5	<10	<0.1
*Std MMISRM24	<1	0.9	<10	18.4	30	0.2
*Blk BLANK	<1	<0.1	<10	<0.5	<10	<0.1
*Rep 4300n 7050e	<1	4.3	<10	24.8	540	0.4
*Rep 4400n 6725e	<1	3.3	<10	7.1	30	0.2

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
Client Sample ID						
4100n 6575e	93.8	0.6	170	13.5	390	79
4100n 6600e	18.1	<0.5	158	15.3	440	76
4100n 6625e	28.6	0.5	268	17.4	70	198
4100n 6650e	17.4	0.5	115	9.9	250	158
4100n 6675e	357	<0.5	652	40.7	560	67
4100n 6700e	18.2	<0.5	67	5.5	320	95
4100n 6725e	102	<0.5	181	13.9	330	56
4100n 6750e	97.8	0.5	159	12.5	2260	68
4100n 6775e	47.8	<0.5	67	5.8	750	36
4100n 6800e	60.8	<0.5	257	16.6	1340	20

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Member of the SGS Group (SGS SA)

Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
Client Sample ID						
4100n 6825e	51.4	<0.5	247	16.6	870	30
4100n 6850e	25.3	<0.5	70	4.7	410	33
4100n 6875e	16.1	<0.5	80	6.7	110	124
4100n 6900e	23.7	0.6	82	7.1	280	154
4100n 6925e	67.1	0.6	275	20.7	40	92
4100n 6950e	57.7	<0.5	255	21.1	430	97
4100n 6975e	23.2	0.5	148	13.1	3180	44
4100n 7000e	133	0.6	585	40.3	280	89
4100n 7025e	64.0	0.6	316	21.9	130	110
4100n 7050e	63.8	<0.5	224	14.6	100	50
4100n 7075e	32.4	<0.5	123	8.2	90	56
4200n 6575e	16.2	0.7	230	20.0	610	150
4200n 6600e	20.1	<0.5	100	8.6	410	67
4200n 6625e	26.4	<0.5	276	19.1	120	81
4200n 6650e	33.5	<0.5	137	10.3	140	106
4200n 6675e	49.0	<0.5	104	6.8	880	31
4200n 6700e	12.9	<0.5	46	3.6	120	52
4200n 6725e	11.2	0.5	56	4.5	150	128
4200n 6750e	11.3	0.7	60	5.0	260	101
4200n 6775e	10.7	<0.5	52	4.4	80	80
4200n 6800e	17.7	<0.5	91	7.3	1570	69
4200n 6825e	19.0	0.7	122	8.4	1340	68
4200n 6850e	30.3	<0.5	182	13.0	2170	28
4200n 6875e	151	0.6	716	61.2	1040	45
4200n 6900e	117	<0.5	363	26.8	140	74
4200n 6925e	33.8	<0.5	179	13.7	170	68
4200n 6950e	15.5	<0.5	59	4.9	220	79
4200n 6975e	13.6	<0.5	96	7.6	180	112
4200n 7000e	28.7	0.5	217	17.2	240	152
4200n 7025e	17.2	<0.5	104	8.1	110	60

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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Member of the SGS Group (SGS SA)

Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
Client Sample ID						
4200n 7050e	30.2	0.8	199	18.3	820	212
4200n 7075e	16.1	0.8	84	7.6	260	182
4300n 6575e	19.1	<0.5	78	6.8	1450	81
4300n 6600e	36.6	<0.5	171	14.2	5080	103
4300n 6625e	14.3	<0.5	44	3.8	1350	54
4300n 6650e	25.6	<0.5	80	6.9	640	55
4300n 6675e	13.4	0.6	56	4.8	210	44
4300n 6700e	15.4	0.9	111	9.6	160	197
4300n 6725e	12.1	<0.5	75	6.9	280	109
4300n 6750e	18.7	<0.5	89	5.6	130	12
4300n 6775e	7.9	0.6	62	5.2	70	120
4300n 6800e	7.3	<0.5	39	3.3	610	81
4300n 6825e	9.8	0.7	76	6.0	800	109
4300n 6850e	17.4	<0.5	245	15.9	13500	31
4300n 6875e	166	0.6	808	53.0	1780	47
4300n 6900e	20.4	<0.5	132	9.6	140	77
4300n 6925e	138	<0.5	559	41.0	930	33
4300n 6950e	68.1	<0.5	277	18.5	340	32
4300n 6975e	70.7	<0.5	229	15.0	350	47
4300n 7000e	31.7	<0.5	221	14.8	220	95
4300n 7025e	24.1	<0.5	154	10.9	370	73
4300n 7050e	15.5	0.9	138	10.8	340	220
4300n 7075e	240	<0.5	362	22.6	190	21
4400n 6575e	16.1	0.7	76	6.4	790	146
4400n 6600e	15.9	0.6	148	12.4	740	189
4400n 6625e	32.3	<0.5	129	7.0	9150	54
4400n 6650e	9.3	0.6	49	4.1	410	89
4400n 6675e	17.0	<0.5	103	8.1	280	85
4400n 6700e	17.7	<0.5	117	9.3	140	93
4400n 6725e	12.3	<0.5	85	6.9	380	64

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

SGS Canada Inc. NAM Minerals Geochemistry 3260 Production Way Burnaby BC. V5A 4W4 CANADA **t** +1 (604) 638 2349 **f** +1 (604) 444 www.sgs.com

Member of the SGS Group (SGS SA)

Order Number PO:
Submission Number RAVEN / 84 Soil
Number of Samples 84

ANALYSIS REPORT BBM24-41998

Element	U	W	Y	Yb	Zn	Zr
Method	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM	GE_MMIM
Lower Limit	0.5	0.5	1	0.2	10	2
Upper Limit	--	--	--	--	--	--
Unit	ppb	ppb	ppb	ppb	ppb	ppb
Client Sample ID						
4400n 6750e	11.6	<0.5	144	11.6	220	138
4400n 6775e	16.5	<0.5	75	5.8	300	32
4400n 6800e	13.5	<0.5	149	11.4	730	31
4400n 6825e	34.0	<0.5	302	21.5	14400	23
4400n 6850e	13.2	<0.5	173	13.0	970	68
4400n 6875e	16.6	<0.5	196	14.0	820	82
4400n 6900e	25.0	<0.5	276	18.6	1770	48
4400n 6925e	62.4	<0.5	413	24.9	880	43
4400n 6950e	11.0	<0.5	78	6.1	500	94
4400n 6975e	153	0.7	812	64.7	630	35
4400n 7000e	145	0.7	923	65.8	50	69
4400n 7025e	57.3	0.6	328	24.4	230	104
4400n 7050e	36.2	<0.5	121	8.9	350	65
4400n 7075e	18.8	1.0	143	12.2	240	242
*Rep 4100n 6700e	18.5	<0.5	68	6.0	320	87
*Rep 4200n 6575e	14.3	0.7	217	18.1	830	139
*Std AMIS0841	330	1.8	1810	277	770	264
*Rep 4200n 7000e	25.4	0.6	175	14.2	190	160
*Blk BLANK	<0.5	<0.5	<1	<0.2	<10	<2
*Std MMISRM24	11.3	<0.5	28	1.3	150	30
*Blk BLANK	<0.5	<0.5	<1	<0.2	<10	<2
*Rep 4300n 7050e	16.2	1.0	130	10.3	280	211
*Rep 4400n 6725e	13.6	<0.5	98	8.2	330	70

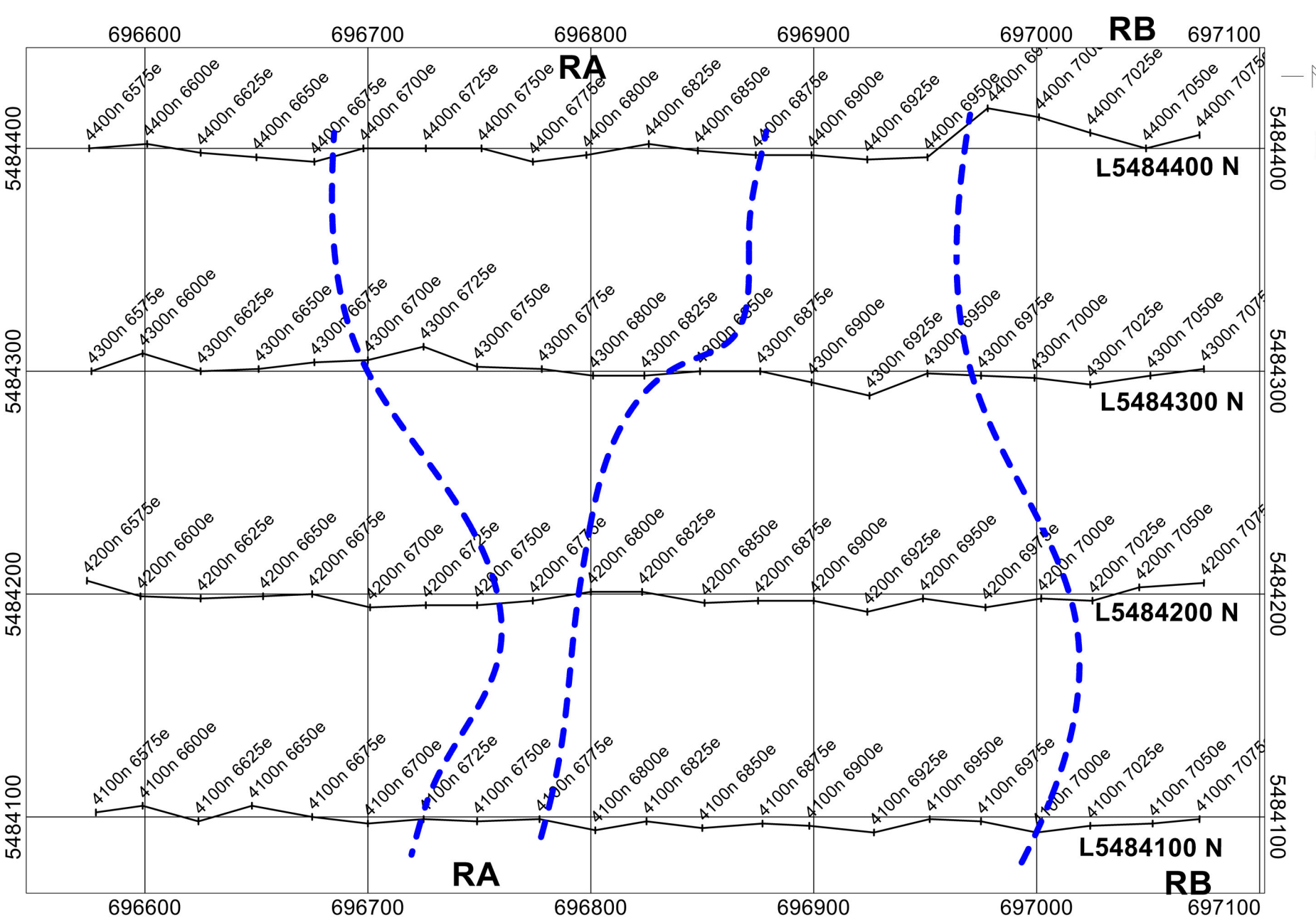
THE END OF THE REPORT

- not analysed | -- element not determined | I.S. insufficient sample | L.N.R. listed not received

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16 APPENDIX II – MMI COLOUR CONTOUR PLAN MAPS



silver-gold-copper anomaly

RA anomaly label

Date samples picked up:
July 10 to 24, 2025

Laboratory soils tested by:
SGS Canada, Burnaby, BC

Coordinate system:
NAD 83, Zone 10

50 0 50
(meters)

Geotronics Consulting Inc
Exploration done right

LIONHEART EXPLORATION INC.

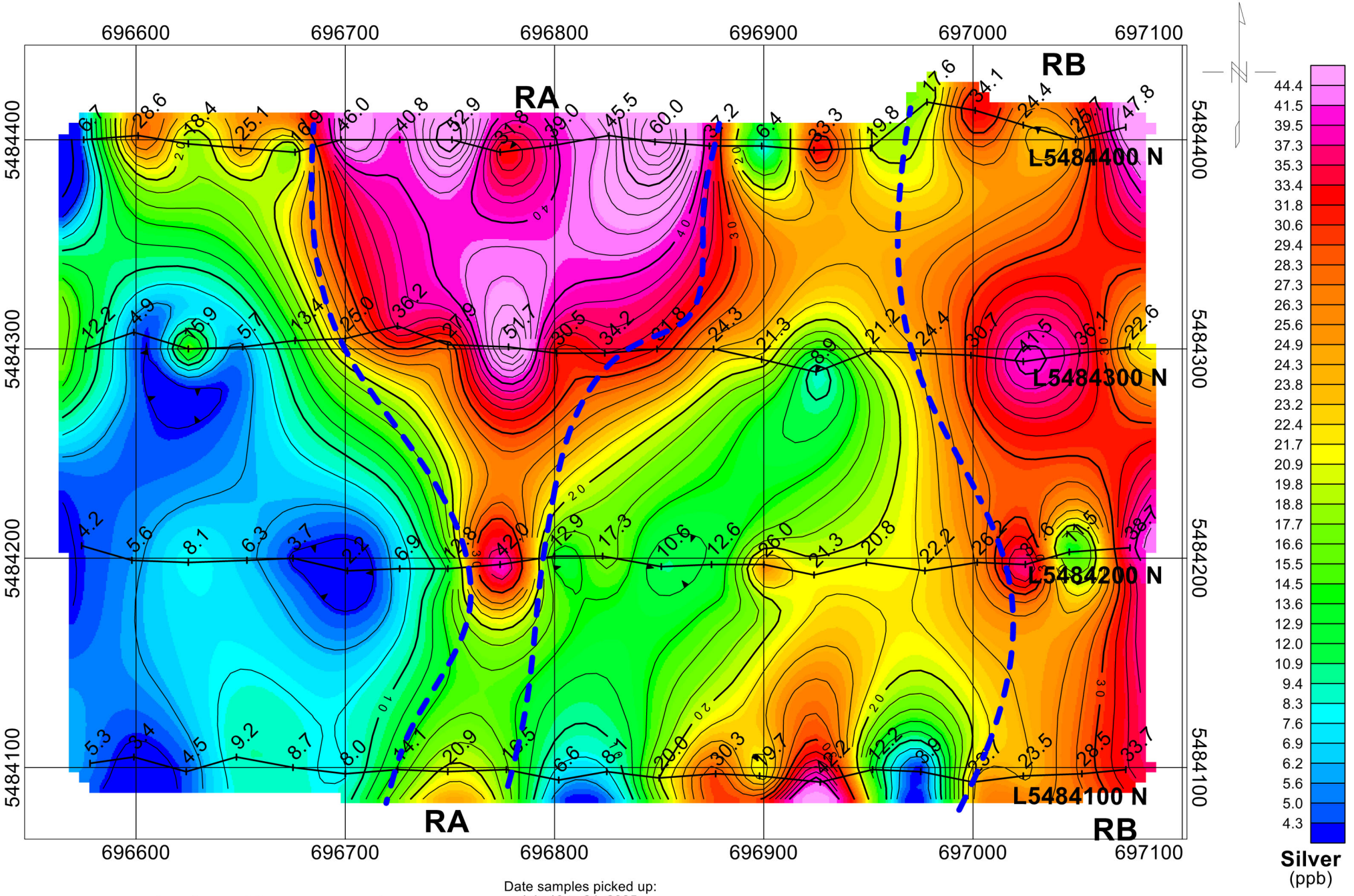
RAVEN PROPERTY

Raven Mountain, Princeton Area, Similkameen MD, BC

MMI SOIL SAMPLING SURVEY - RAVEN GRID

SAMPLE LABEL

DRAWN BY:	JOB NO:	NTS:	DATE:	FIG NO:
DGM	24-12	92H/08, '09	APRIL '25	GC-R00



silver-gold-copper anomaly

RA anomaly label

Date samples picked up:
July 10 to 24, 2025

Laboratory soils tested by:
SGS Canada, Burnaby, BC

Units:
parts per billion (ppb)

Coordinate system:
NAD 83, Zone 10

50 0 50
(meters)

Geotronics Consulting Inc
Exploration done right

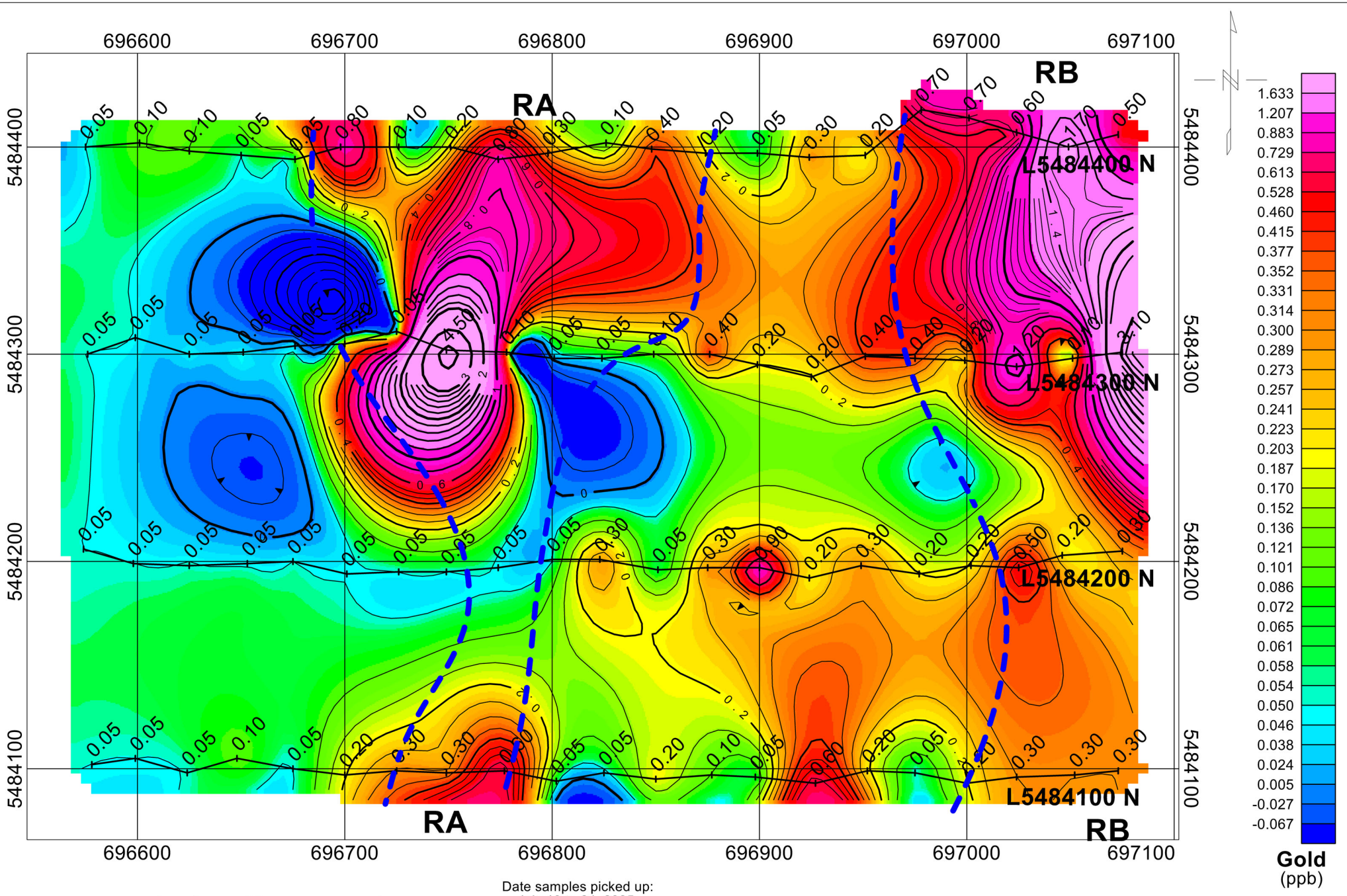
LIONHEART EXPLORATION INC.

RAVEN PROPERTY

Raven Mountain, Princeton Area, Similkameen MD, BC

MMI SOIL SAMPLING SURVEY - RAVEN GRID
CONTOUR PLAN
SILVER

DRAWN BY:	JOB NO:	NTS:	DATE:	FIG NO:
DGM	24-12	92H/08, '09	APRIL '25	GC-R01



silver-gold-copper anomaly

RA anomaly label

Date samples picked up:
July 10 to 24, 2025

Laboratory soils tested by:
SGS Canada, Burnaby, BC

Units:
parts per billion (ppb)

Coordinate system:
NAD 83, Zone 10

50 0 50
(meters)

Geotronics Consulting Inc
Exploration done right

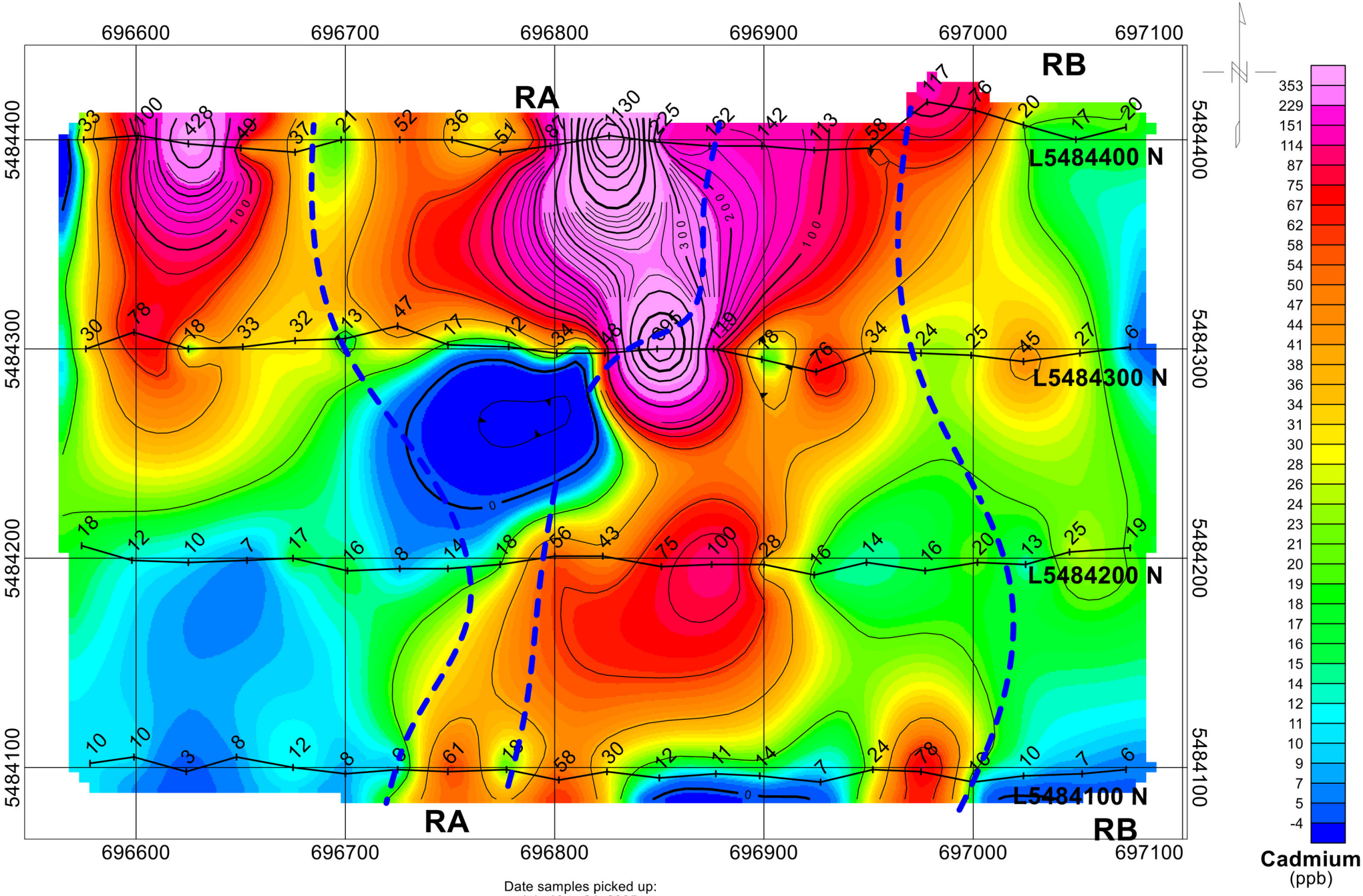
LIONHEART EXPLORATION INC.

RAVEN PROPERTY

Raven Mountain, Princeton Area, Similkameen MD, BC

MMI SOIL SAMPLING SURVEY - RAVEN GRID
CONTOUR PLAN
GOLD

DRAWN BY:	JOB NO:	NTS:	DATE:	FIG NO:
DGM	24-12	92H/08, '09	APRIL '25	GC-R02



silver-gold-copper anomaly

RA anomaly label

Date samples picked up:
July 10 to 24, 2025

Laboratory soils tested by:
SGS Canada, Burnaby, BC

Units:
parts per billion (ppb)

Coordinate system:
NAD 83, Zone 10

50 0 50
(meters)

Geotronics Consulting Inc
Exploration done right

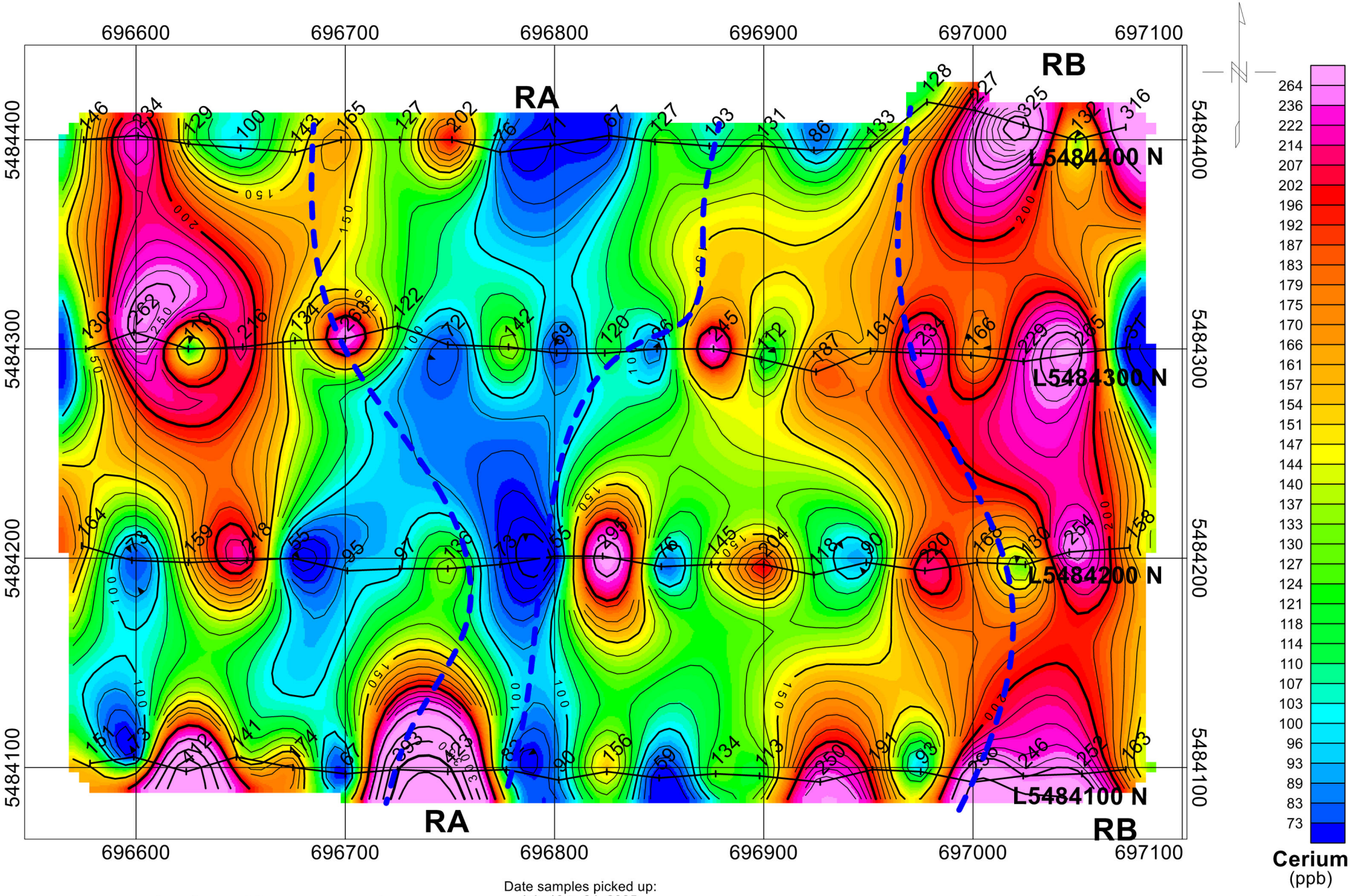
LIONHEART EXPLORATION INC.

RAVEN PROPERTY

Raven Mountain, Princeton Area, Similkameen MD, BC

MMI SOIL SAMPLING SURVEY - RAVEN GRID
CONTOUR PLAN
CADMIUM

DRAWN BY:	JOB NO:	NTS:	DATE:	FIG NO:
DGM	24-12	92H/08, '09	APRIL '25	GC-R03



silver-gold-copper anomaly

RA anomaly label

Date samples picked up:
July 10 to 24, 2025

Laboratory soils tested by:
SGS Canada, Burnaby, BC

Units:
parts per billion (ppb)

Coordinate system:
NAD 83, Zone 10

50 0 50
(meters)

Geotronics Consulting Inc
Exploration done right

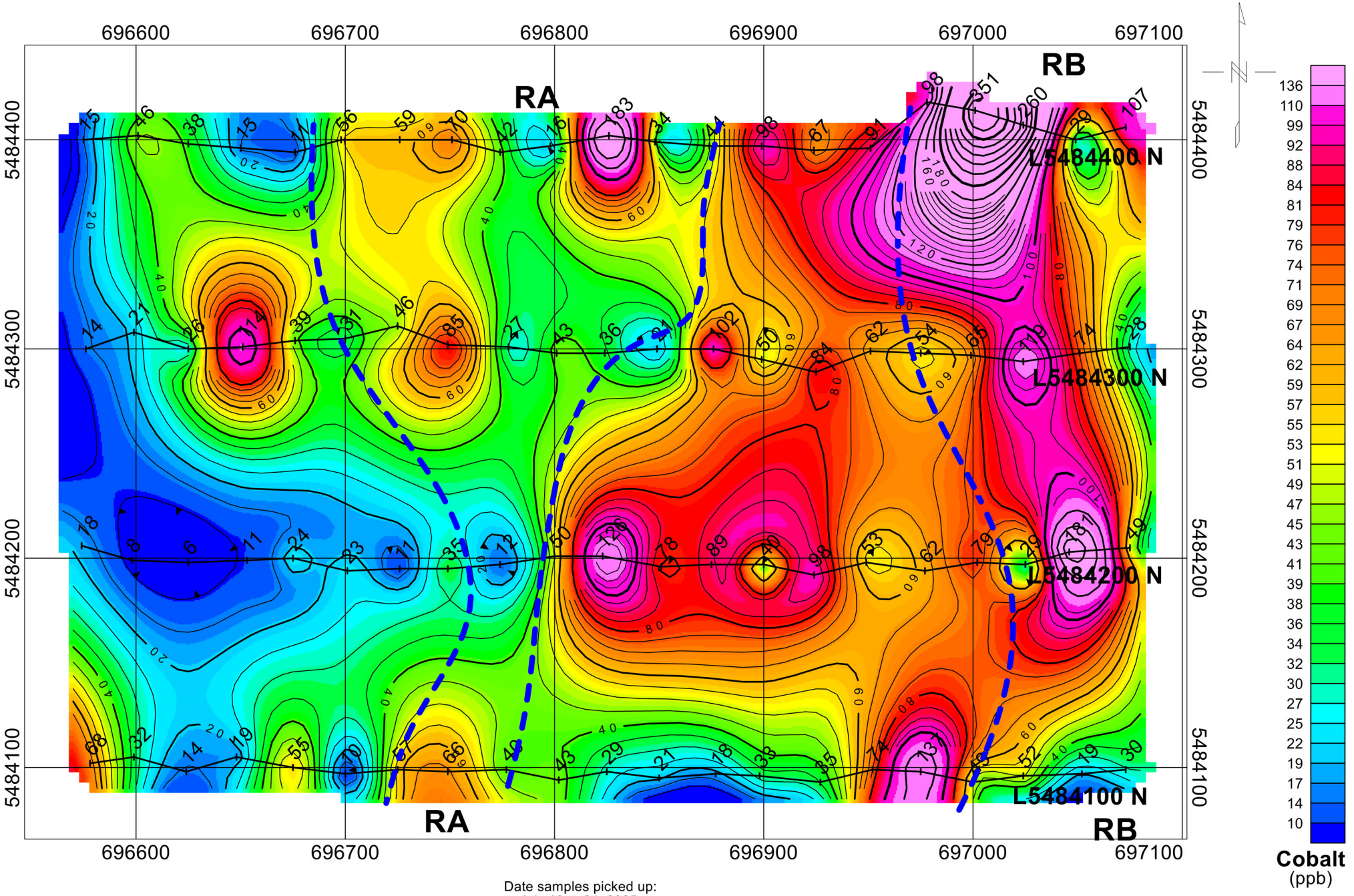
LIONHEART EXPLORATION INC.

RAVEN PROPERTY

Raven Mountain, Princeton Area, Similkameen MD, BC

MMI SOIL SAMPLING SURVEY - RAVEN GRID
CONTOUR PLAN
CERIUM

DRAWN BY:	JOB NO:	NTS:	DATE:	FIG NO:
DGM	24-12	92H/08, '09	APRIL '25	GC-R04



silver-gold-copper anomaly

RA anomaly label

Date samples picked up:
July 10 to 24, 2025

Laboratory soils tested by:
SGS Canada, Burnaby, BC

Units:
parts per billion (ppb)

Coordinate system:
NAD 83, Zone 10

50 0 50
(meters)

Geotronics Consulting Inc
Exploration done right

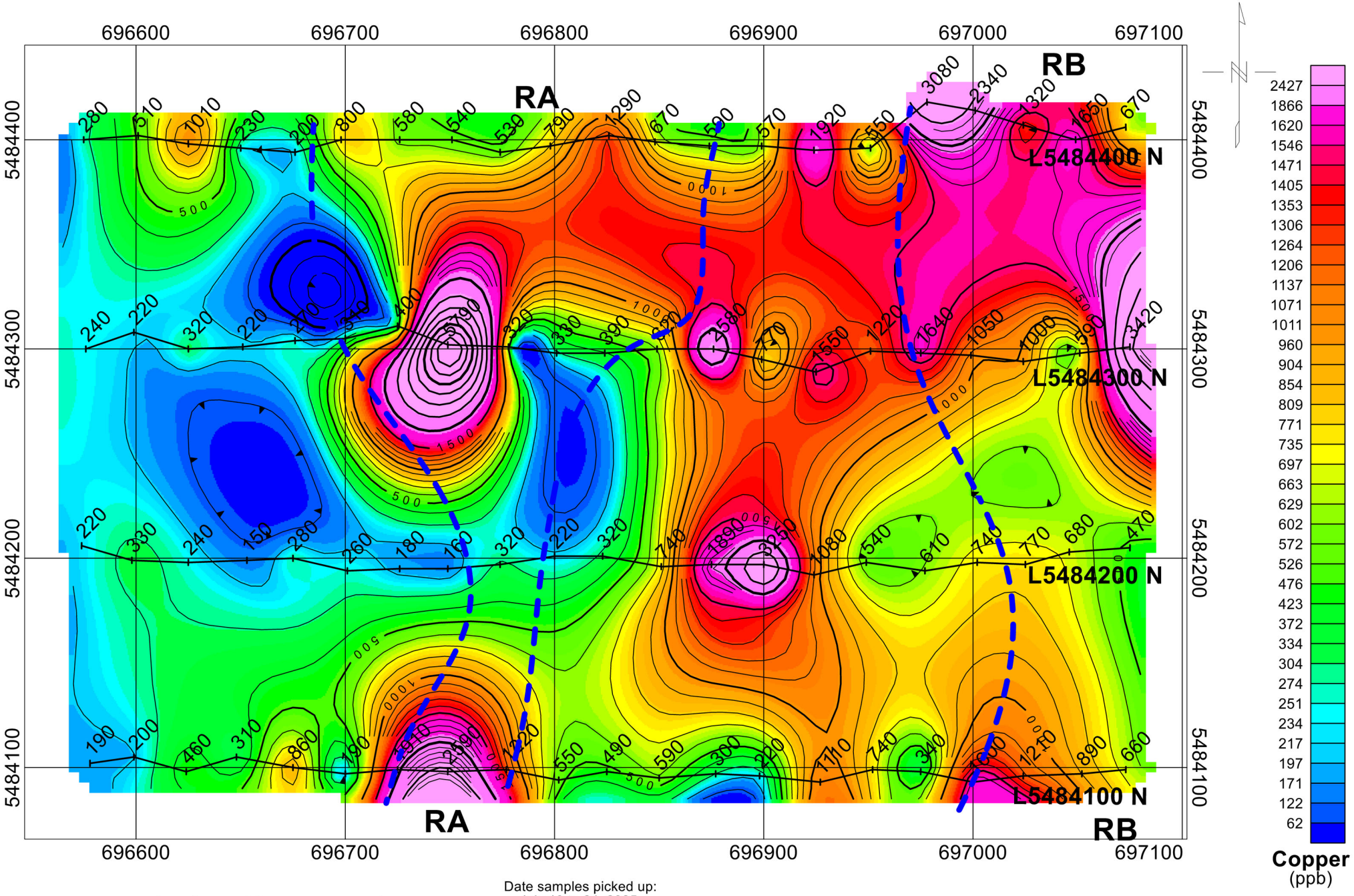
LIONHEART EXPLORATION INC.

RAVEN PROPERTY

Raven Mountain, Princeton Area, Similkameen MD, BC

MMI SOIL SAMPLING SURVEY - RAVEN GRID
CONTOUR PLAN
COBALT

DRAWN BY:	JOB NO:	NTS:	DATE:	FIG NO:
DGM	24-12	92H/08, '09	APRIL '25	GC-R05



silver-gold-copper anomaly

RA anomaly label

Date samples picked up:
July 10 to 24, 2025

Laboratory soils tested by:
SGS Canada, Burnaby, BC

Units:
parts per billion (ppb)

Coordinate system:
NAD 83, Zone 10

50 0 50
(meters)

Geotronics Consulting Inc
Exploration done right

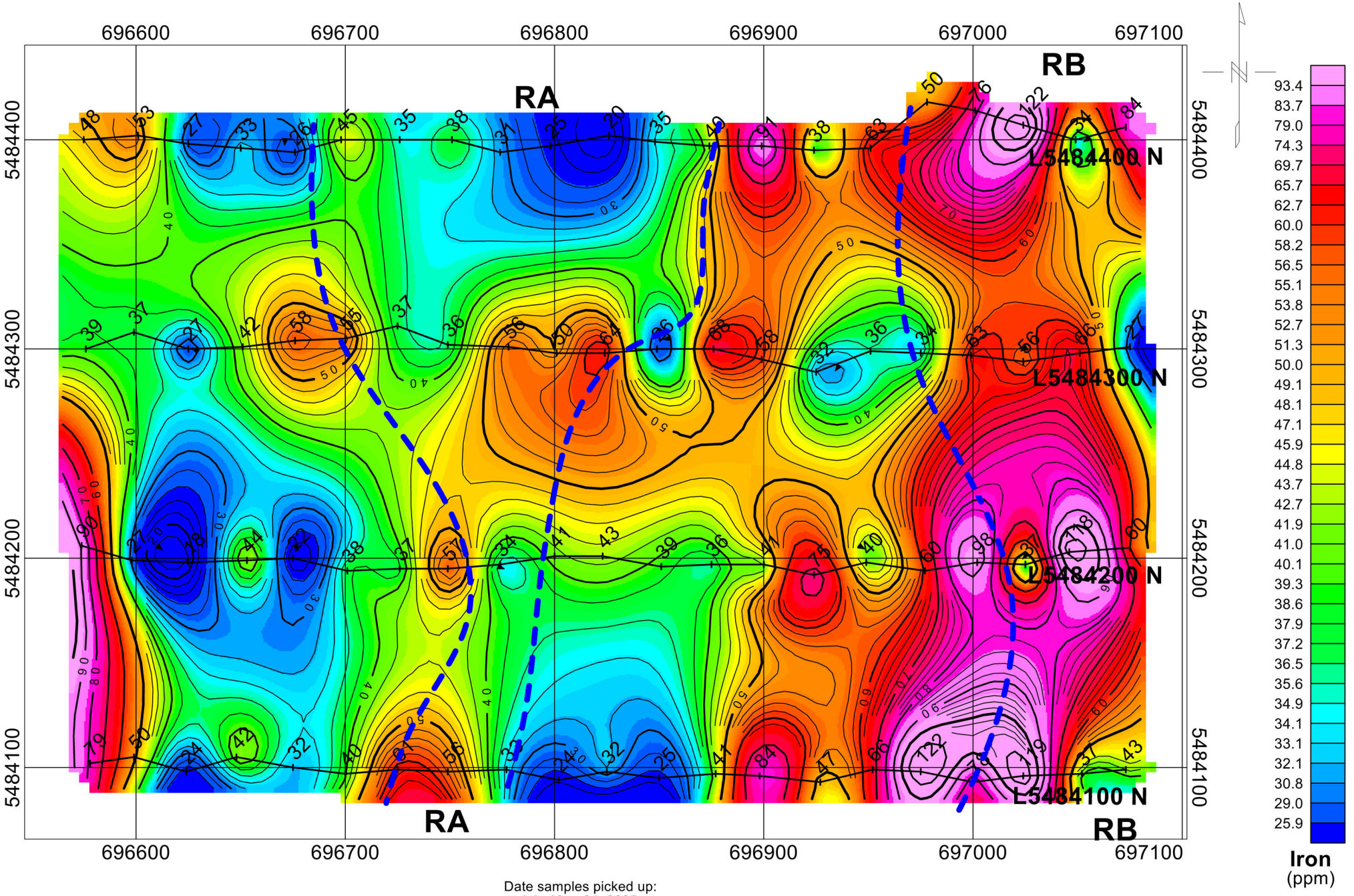
LIONHEART EXPLORATION INC.

RAVEN PROPERTY

Raven Mountain, Princeton Area, Similkameen MD, BC

MMI SOIL SAMPLING SURVEY - RAVEN GRID
CONTOUR PLAN
COPPER

DRAWN BY:	JOB NO:	NTS:	DATE:	FIG NO:
DGM	24-12	92H/08, '09	APRIL '25	GC-R06



silver-gold-copper anomaly

RA anomaly label

Date samples picked up:
July 10 to 24, 2025

Laboratory soils tested by:
SGS Canada, Burnaby, BC

Units:
parts per million (ppm)

Coordinate system:
NAD 83, Zone 10

50 0 50
(meters)

Geotronics Consulting Inc
Exploration done right

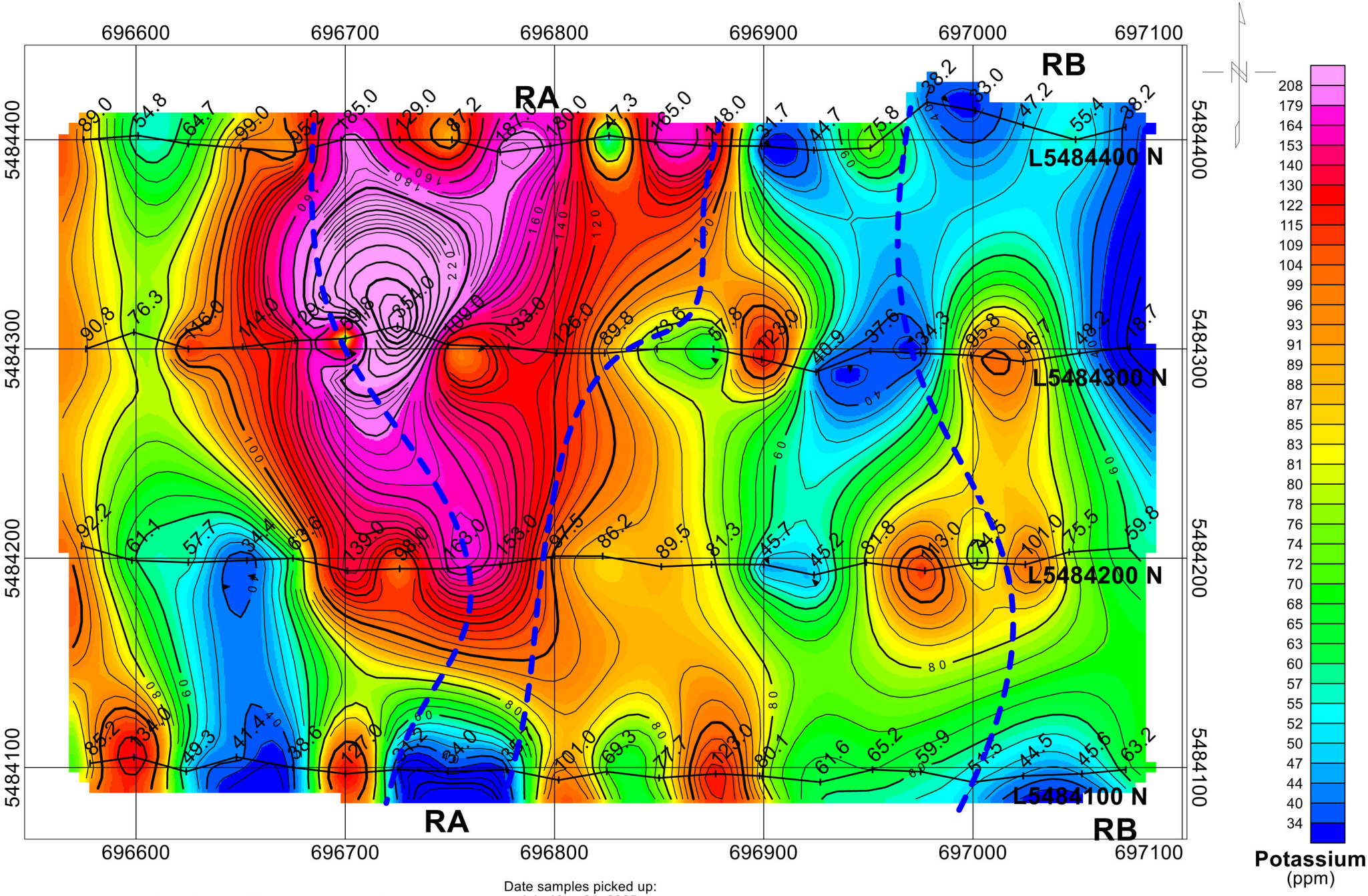
LIONHEART EXPLORATION INC.

RAVEN PROPERTY

Raven Mountain, Princeton Area, Similkameen MD, BC

MMI SOIL SAMPLING SURVEY - RAVEN GRID
CONTOUR PLAN
IRON

DRAWN BY:	JOB NO:	NTS:	DATE:	FIG NO:
DGM	24-12	92H/08, '09	APRIL '25	GC-R07



silver-gold-copper anomaly

RA anomaly label

Date samples picked up:
July 10 to 24, 2025

Laboratory soils tested by:
SGS Canada, Burnaby, BC

Units:
parts per million (ppm)

Coordinate system:
NAD 83, Zone 10

50 0 50
(meters)

Geotronics Consulting Inc
Exploration done right

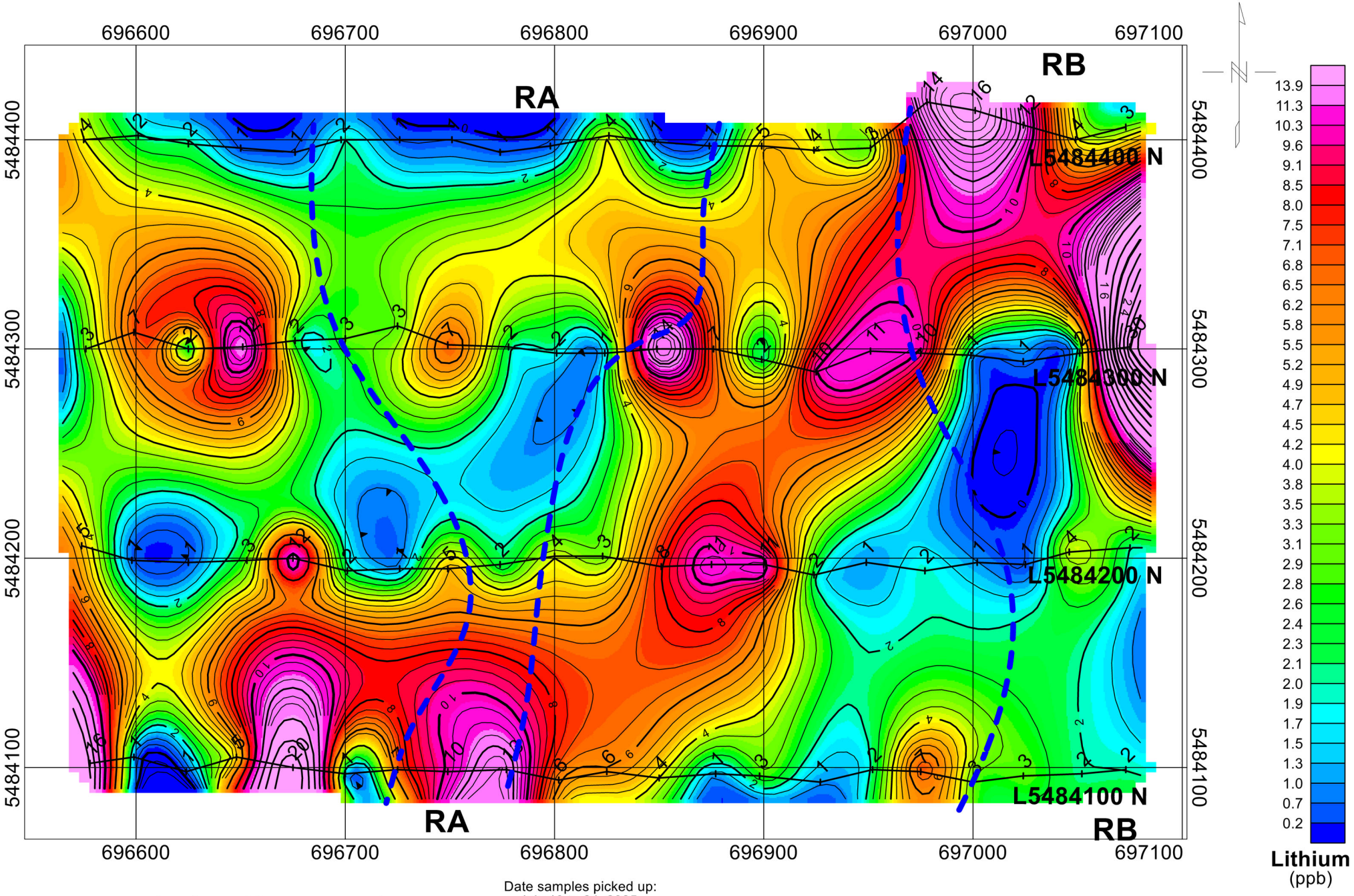
LIONHEART EXPLORATION INC.

RAVEN PROPERTY

Raven Mountain, Princeton Area, Similkameen MD, BC

MMI SOIL SAMPLING SURVEY - RAVEN GRID
CONTOUR PLAN
POTASSIUM

DRAWN BY:	JOB NO:	NTS:	DATE:	FIG NO:
DGM	24-12	92H/08, '09	APRIL '25	GC-R08



silver-gold-copper anomaly

RA anomaly label

Date samples picked up:
July 10 to 24, 2025

Laboratory soils tested by:
SGS Canada, Burnaby, BC

Units:
parts per billion (ppb)

Coordinate system:
NAD 83, Zone 10

50 0 50
(meters)

Geotronics Consulting Inc
Exploration done right

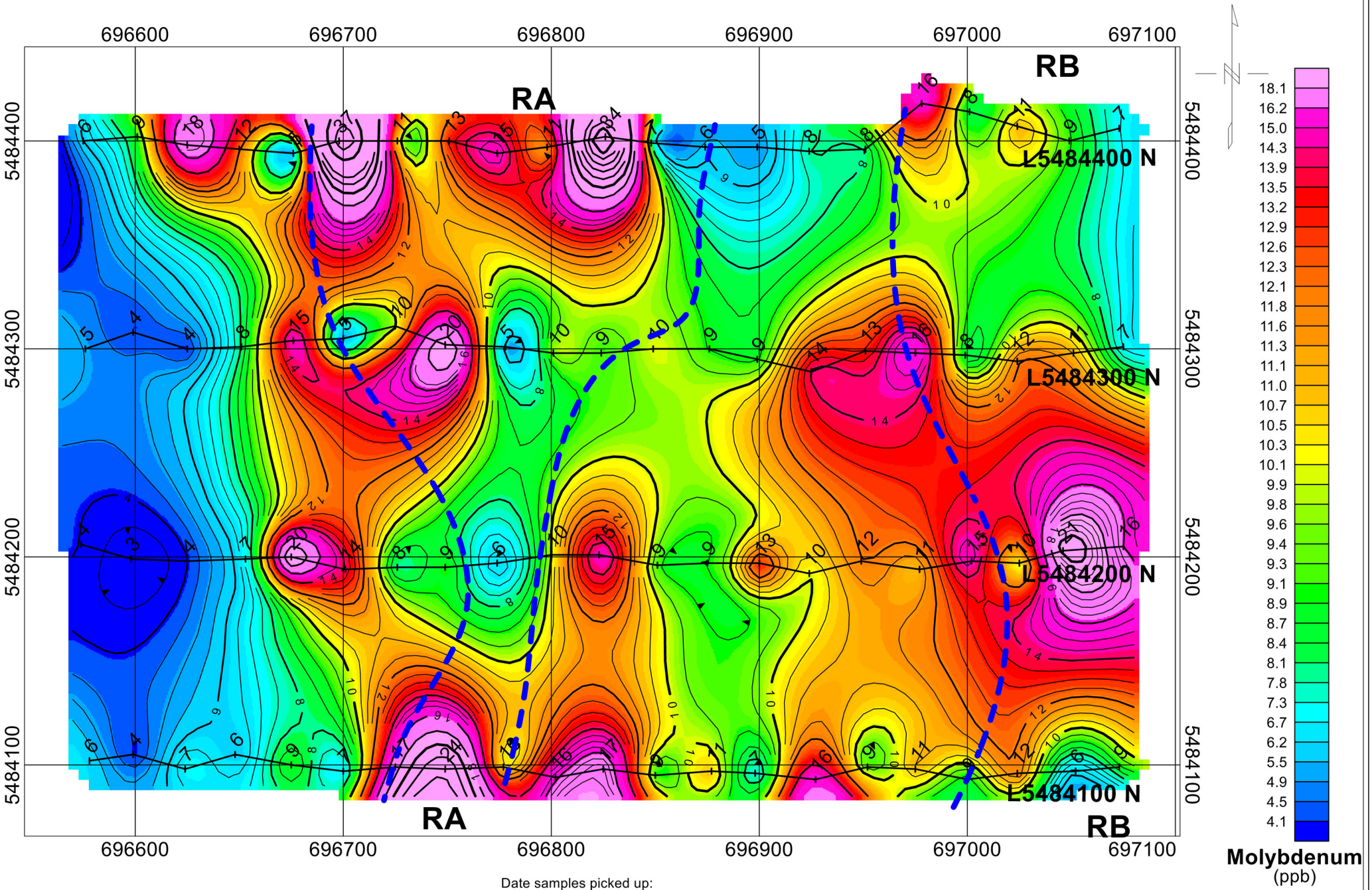
LIONHEART EXPLORATION INC.

RAVEN PROPERTY

Raven Mountain, Princeton Area, Similkameen MD, BC

MMI SOIL SAMPLING SURVEY - RAVEN GRID
CONTOUR PLAN
LITHIUM

DRAWN BY:	JOB NO:	NTS:	DATE:	FIG NO:
DGM	24-12	92H/08, '09	APRIL '25	GC-R09



silver-gold-copper anomaly

RA anomaly label

Date samples picked up:
July 10 to 24, 2025

Laboratory soils tested by:
SGS Canada, Burnaby, BC

Units:
parts per billion (ppb)

Coordinate system:
NAD 83, Zone 10

50 0 50
(meters)

Geotronics Consulting Inc
Exploration done right

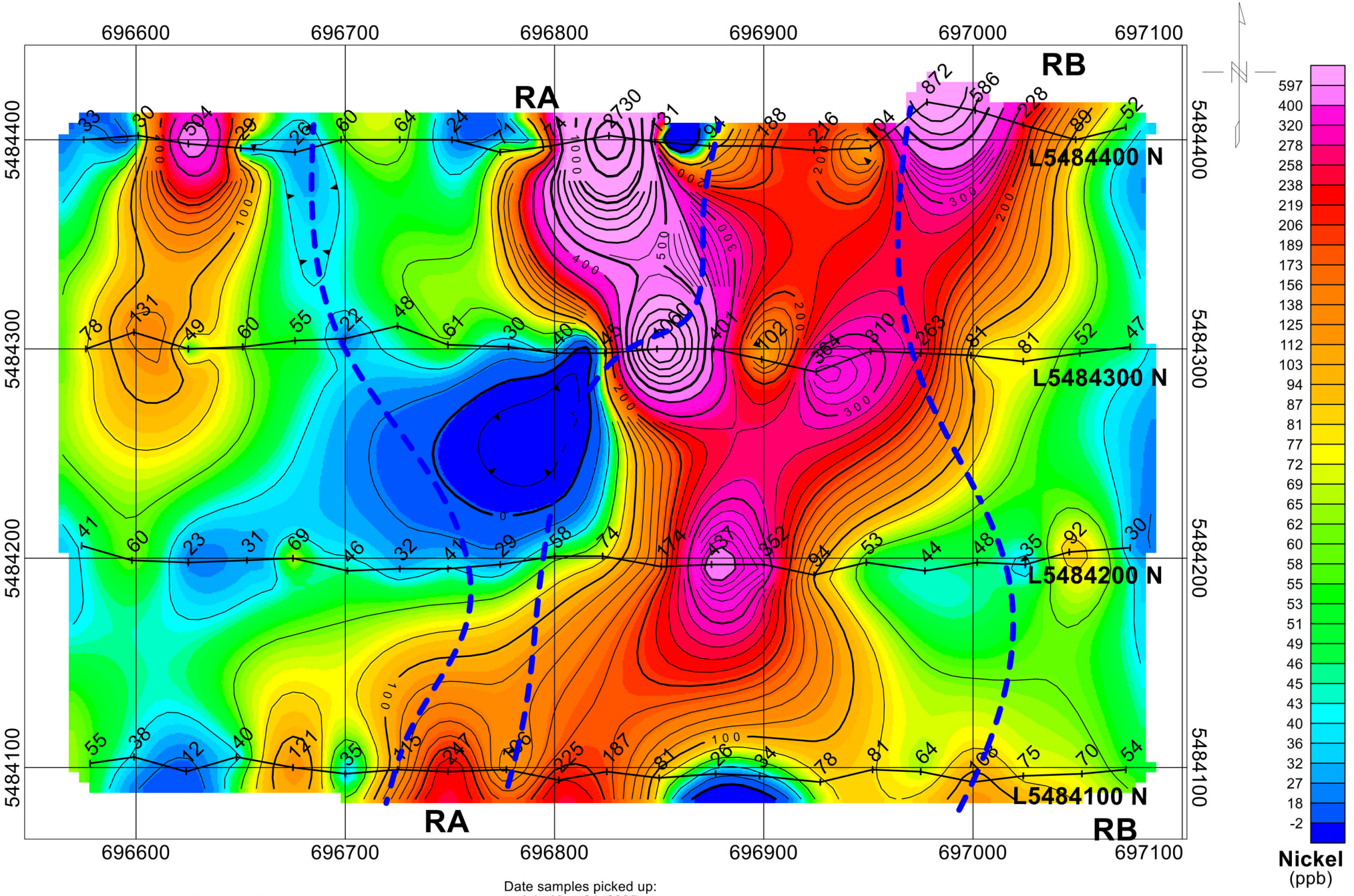
LIONHEART EXPLORATION INC.

RAVEN PROPERTY

Raven Mountain, Princeton Area, Similkameen MD, BC

MMI SOIL SAMPLING SURVEY - RAVEN GRID
CONTOUR PLAN
MOLYBDENUM

DRAWN BY:	JOB NO:	NTS:	DATE:	FIG NO:
DGM	24-12	92H/08, '09	APRIL '25	GC-R10



silver-gold-copper anomaly

RA anomaly label

Date samples picked up:
July 10 to 24, 2025

Laboratory soils tested by:
SGS Canada, Burnaby, BC

Units:
parts per billion (ppb)

Coordinate system:
NAD 83, Zone 10

50 0 50
(meters)

Geotronics Consulting Inc
Exploration done right

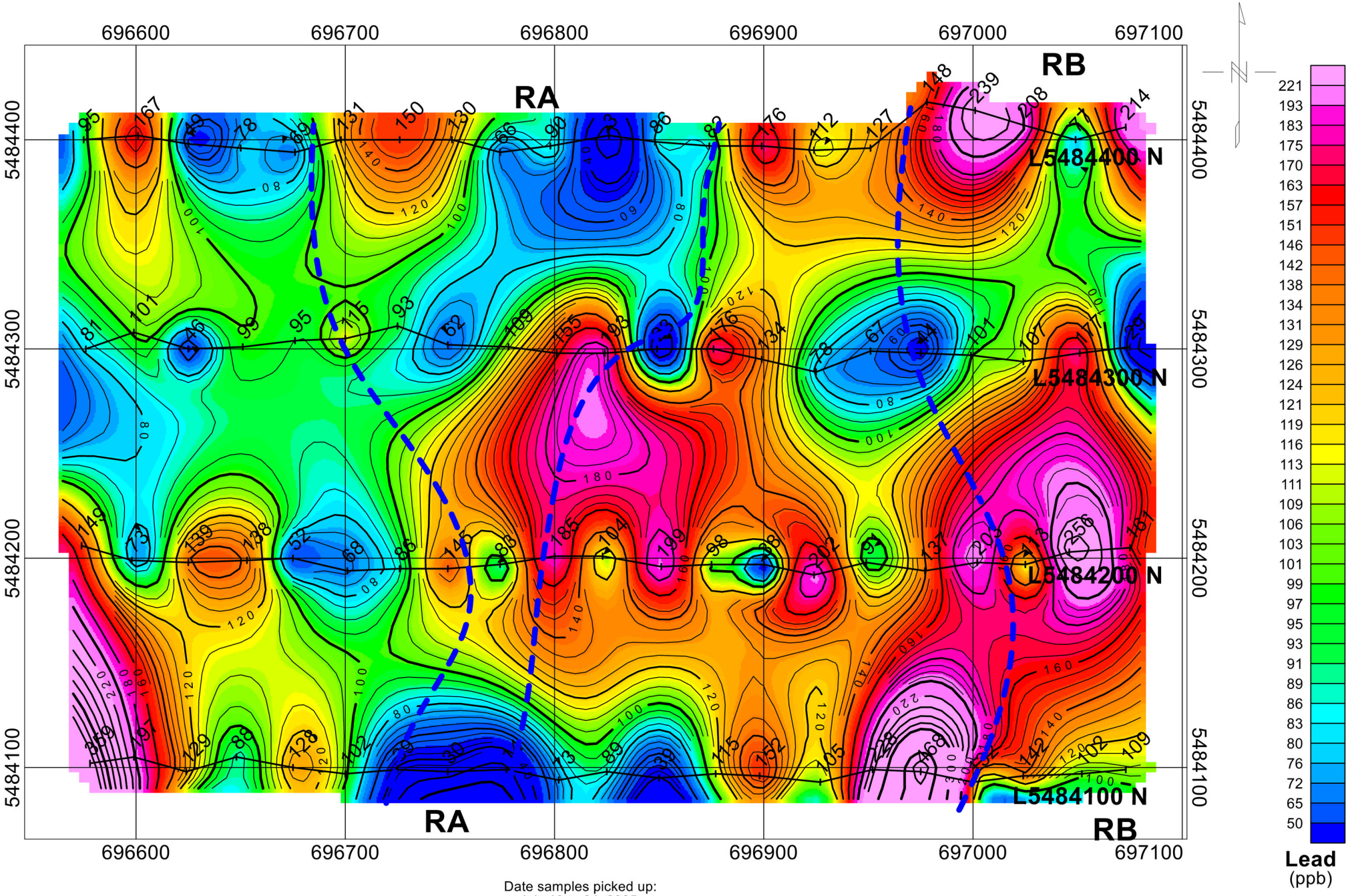
LIONHEART EXPLORATION INC.

RAVEN PROPERTY

Raven Mountain, Princeton Area, Similkameen MD, BC

MMI SOIL SAMPLING SURVEY - RAVEN GRID
CONTOUR PLAN
NICKEL

DRAWN BY:	JOB NO:	NTS:	DATE:	FIG NO:
DGM	24-12	92H/08, '09	APRIL '25	GC-R11



silver-gold-copper anomaly

RA anomaly label

Date samples picked up:
July 10 to 24, 2025

Laboratory soils tested by:
SGS Canada, Burnaby, BC

Units:
parts per billion (ppb)

Coordinate system:
NAD 83, Zone 10

50 0 50
(meters)

Geotronics Consulting Inc
Exploration done right

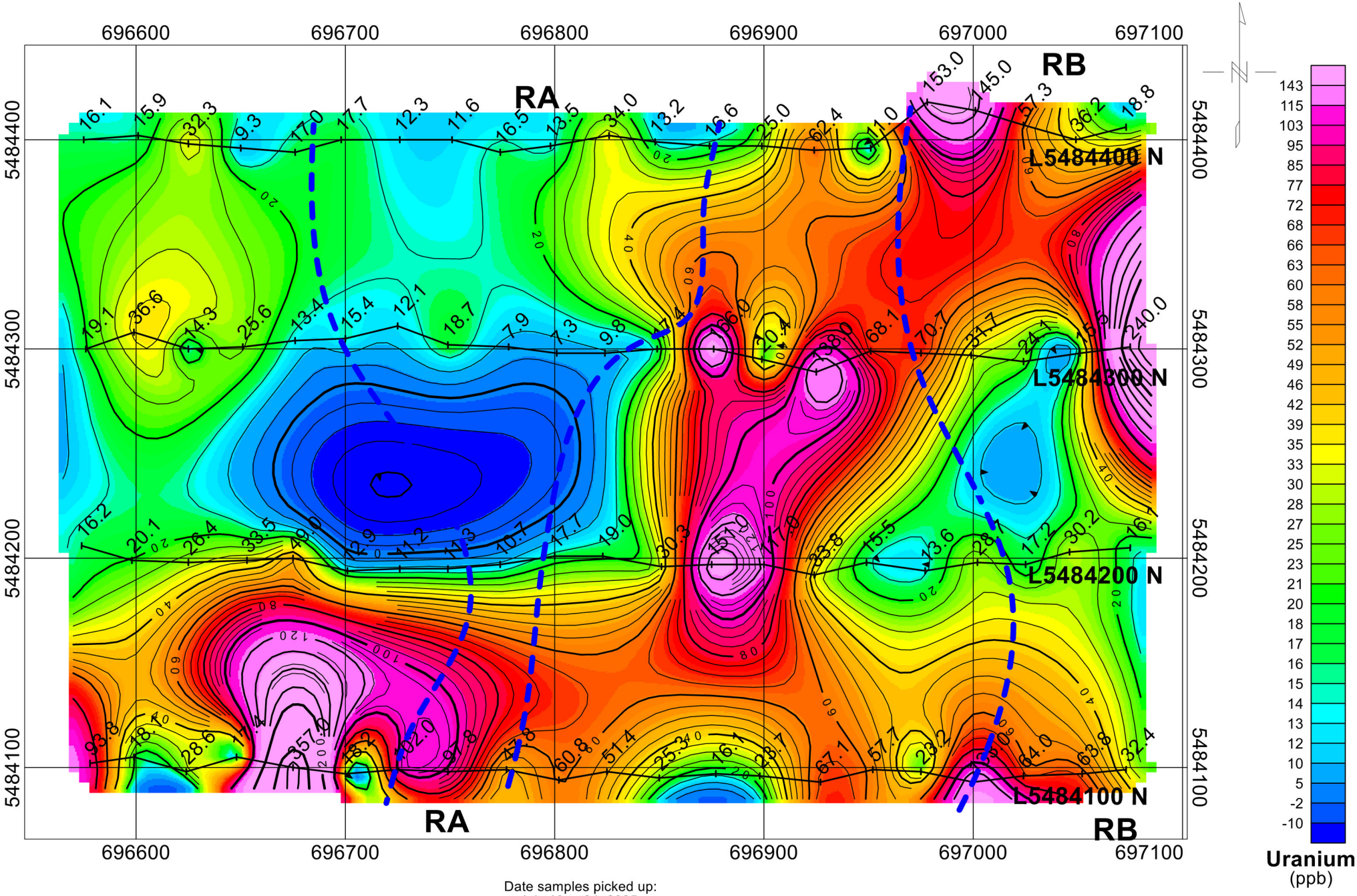
LIONHEART EXPLORATION INC.

RAVEN PROPERTY

Raven Mountain, Princeton Area, Similkameen MD, BC

MMI SOIL SAMPLING SURVEY - RAVEN GRID
CONTOUR PLAN
LEAD

DRAWN BY:	JOB NO:	NTS:	DATE:	FIG NO:
DGM	24-12	92H/08, '09	APRIL '25	GC-R12



silver-gold-copper anomaly

RA anomaly label

Date samples picked up:
July 10 to 24, 2025

Laboratory soils tested by:
SGS Canada, Burnaby, BC

Units:
parts per billion (ppb)

Coordinate system:
NAD 83, Zone 10

50 0 50
(meters)

Geotronics Consulting Inc
Exploration done right

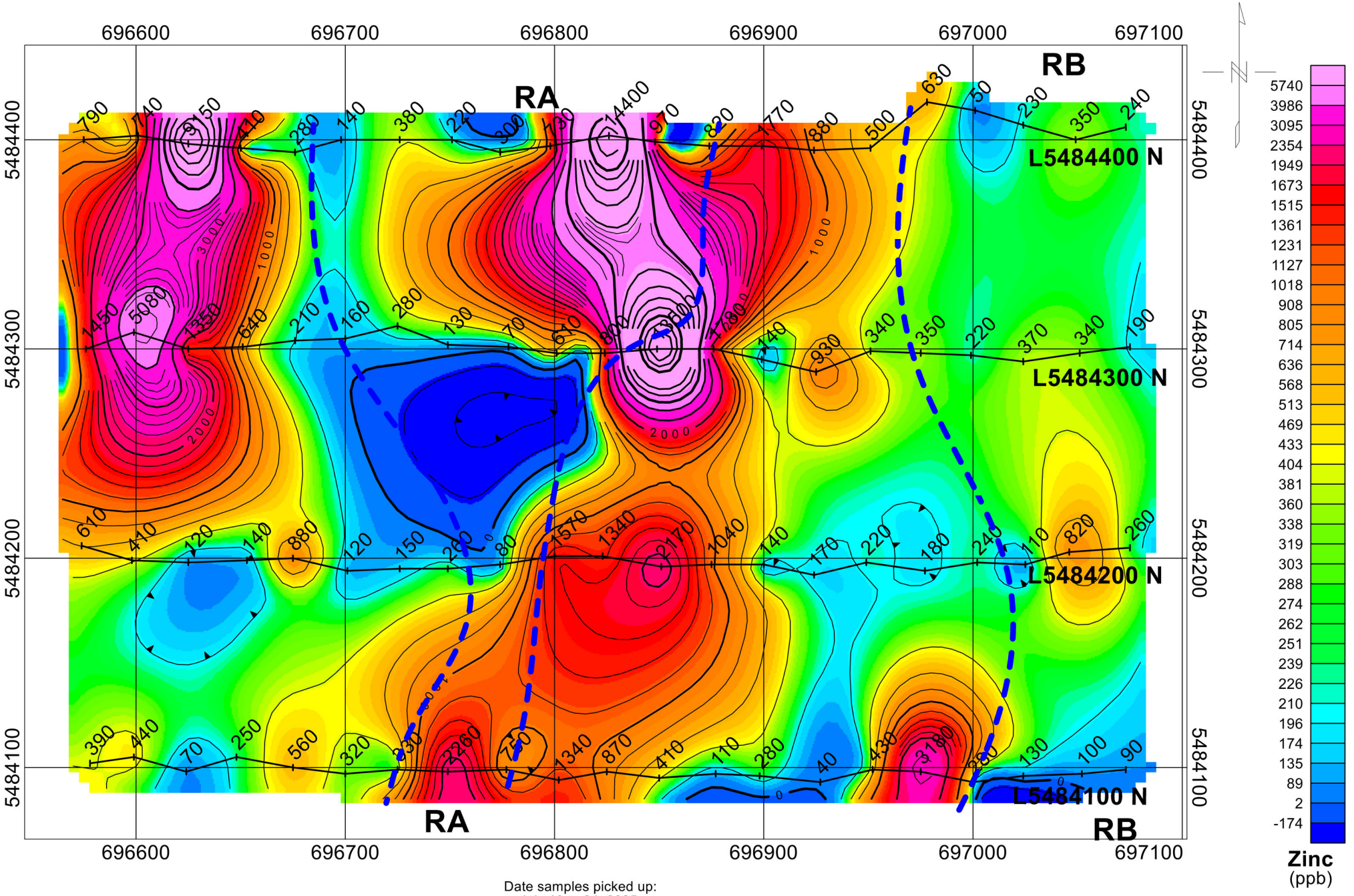
LIONHEART EXPLORATION INC.

RAVEN PROPERTY

Raven Mountain, Princeton Area, Similkameen MD, BC

MMI SOIL SAMPLING SURVEY - RAVEN GRID
CONTOUR PLAN
URANIUM

DRAWN BY:	JOB NO:	NTS:	DATE:	FIG NO:
DGM	24-12	92H/08, '09	APRIL '25	GC-R13



silver-gold-copper anomaly

RA anomaly label

Date samples picked up:
July 10 to 24, 2025

Laboratory soils tested by:
SGS Canada, Burnaby, BC

Units:
parts per billion (ppb)

Coordinate system:
NAD 83, Zone 10

50 0 50
(meters)

Geotronics Consulting Inc
Exploration done right

LIONHEART EXPLORATION INC.

RAVEN PROPERTY

Raven Mountain, Princeton Area, Similkameen MD, BC

MMI SOIL SAMPLING SURVEY - RAVEN GRID
CONTOUR PLAN
ZINC

DRAWN BY:	JOB NO:	NTS:	DATE:	FIG NO:
DGM	24-12	92H/08, '09	APRIL '25	GC-R14