

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: **GEOPHYSICAL, GEOCHEMICAL and PROSPECTING
ASSESSMENT REPORT ON THE CONGLIN CREEK PROPERTY**

TOTAL COST: \$ 16860.00

**BC Geological Survey
Assessment Report
41701**

AUTHOR(S): **Leopold J. Lindinger, P.Geo.**

SIGNATURE(S): *Leopold J. Lindinger.*

STATEMENT OF WORK EVENT NUMBER(S)/DATE (S): **6002196, Oct. 26, 2023,**

YEAR OF WORK: **2023**

PROPERTY NAME: **CONGLIN CREEK**

CLAIM NAME(S) **CONGLIN CREEK 1072740, TIGER 1099098, 099, 101, 107, 111**

COMMODITIES SOUGHT: **COPPER, GOLD, SILVER**

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: **092HNE042**

MINING DIVISION: **NICOLA**

NTS / BCGS: NTS **092H09W, BCGS 092H078**

LATITUDE: **49°47'14.3"** LONGITUDE: **120°27'02.2"** (at centre of work)

UTM Zone: **10U** EASTING: **683500**, NORTHING: **5518100**

OWNER(S): **RICHARD J. BILLINGSLEY**

MAILING ADDRESS: 11114 147A ST. SURREY, BC, CANADA, V3R 3W2

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. *Late Triassic aged Nicola Group volcanics and sediments are intruded and altered by interpretably coeval and Jurassic dioritic to granodioritic intrusives that host stockwork and disseminated pyritic with minor chalcopyrite or molybdenum mineralization in possible porphyry cupola environments.*

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT
NUMBERS: **01782, 02354, 02355, 02356, 33779, 40095.**

Geochemical, Geological and Prospecting Assessment Report on the CONGLIN CREEK Property

For Richard Billingsley.

December 29, 2023

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOCHEMICAL (number of samples analysed for ...) Soil	85		9000
RELATED TECHNICAL Sampling /			1860
PREPATORY / PHYSICAL PROSPECTING Line/grid (km)			6000
		TOTAL COST	16860



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Confirmation

Recorder: LINDINGER, LEO JOSEPH (115758) **Submitter:** LINDINGER, LEO JOSEPH (115758)
Recorded: 2023/OCT/26 **Effective:** 2023/OCT/26
D/E Date: 2023/OCT/26

Confirmation

If you have not yet submitted your report for this work program, your technical work report is due in 90 days. The Exploration and Development Work/Expiry Date Change event number is required with your report submission. **Please attach a copy of this confirmation page to your report.** Contact Mineral Titles Branch for more information.

Event Number: 6002196
Work Type: Technical Work
Technical Items: Geochemical, PAC Withdrawal (up to 30% of technical work required), Prospecting
Work Start Date: 2023/JUL/18
Work Stop Date: 2023/OCT/10
Total Value of Work: \$ 12500.00
Mine Permit No:

Summary of the work value:

Title Number	Claim Name	Issue Date	Good To Date	New Good To Date	# of Days Forward	Area in Ha	Applied Work Value	Submission Fee
1072740	CONGLIN CREEK 1	2019/NOV/15	2027/JUL/15	2027/SEP/25	72	1898.18	\$ 7488.69	\$ 0.00
1099098	TIGER	2022/NOV/02	2023/NOV/02	2027/SEP/25	1423	20.87	\$ 604.29	\$ 0.00
1099099	TIGER	2022/NOV/02	2023/NOV/02	2027/SEP/25	1423	104.33	\$ 3021.34	\$ 0.00
1099101	TIGER	2022/NOV/02	2023/NOV/02	2027/SEP/25	1423	125.18	\$ 3625.12	\$ 0.00
1099107	TIGER	2022/NOV/02	2023/NOV/02	2027/SEP/25	1423	83.45	\$ 2416.65	\$ 0.00
1099111	TIGER	2022/NOV/02	2023/NOV/02	2027/SEP/25	1423	20.87	\$ 604.24	\$ 0.00

Financial Summary:

Total applied work value: \$ 17760.33
PAC name: BILLINGSLEY
Debited PAC amount: \$ 5260.33
Credited PAC amount: \$ 0
Total Submission Fees: \$ 0.0
Total Paid: \$ 0.0

GEOCHEMICAL GEOLOGICAL, and PROSPECTING ASSESSMENT REPORT

on the

CONGLIN CREEK PROPERTY

Nicola Mining Divisions

Missezula Lake Area

Work Centered at

NTS / BCGS: NTS 092H09W, BCGS 092H078
LATITUDE: 49°47'14.3" LONGITUDE: 120°27'02.2" (at centre of work)
UTM Zone: 10U EASTING: 683500 E, NORTHING: 5518100

For

Richard J. Billingsley
Owner and Client

11114 147a St. Surrey, BC,
Canada, V3R 3W2

by

Leopold J. Lindinger, P.Geo.

December 29, 2023

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Geophysical, Geochemical and Prospecting Assessment Report on the CONGLIN CREEK Property

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SECTION 1 INTRODUCTION AND TERMS OF REFERENCE

This report documents the work and discusses the results of a bioleach soil geochemical, and reconnaissance geological and prospecting program on the CONGLIN CREEK property between September 1, 2023 and September 30, 2023. The areas covered were the in the central area of the property. The area has geophysical and geochemical anomalies that may represent signatures of buried mineral bodies. The program as conceived, implemented, conclusions generated, and recommendations made for future exploration expenditures documented in this report are solely those of Leopold J. Lindinger, P.Geol.

The CONGLIN CREEK property in its current configuration protects the Dillard Zone (Minfile # 092HNE042) Minfile Occurrence.

SECTION 2 PROPERTY LOCATION AND DESCRIPTION

The CONGLIN CREEK Property lies within SW British Columbia, 33 kilometres bearing 350° from Princeton, B.C., within the Nicola Mining Division (Figure 1). The centre of the property is located within NTS Map Sheet 092H at 49° 47' 14" N and 120° 27' 02" W or UTM Grid Zone 10U 684000 E 5518000 N.

The property consists of 6 MTO claims totaling an assessed area of 2252.9 hectares (Figure 2 -1, Table 2 - 1). Table 2 - 1 presents the detailed claim information. Tenure 1072740 is currently 100% owned by Richard J. Billingsley (FMC 139085). The Tiger claims were purchased by Billingsley for \$5000 with no encumbrances from Dylan Adam of Princeton, B.C. and are now 100% owned by Billingsley. No legal surveys related to mining have been completed on the property.

The CONGLIN CREEK property is not subject to any known environmental liabilities. The surface rights are owned by the Crown. There are timber and grazing leases on the area covered by the property. Several First Nations claim undersurface rights (among others) to the property.

There are no known mineral resources, mineral reserves on the property. The Dillard Occurrence has historic trenches.

The work program discussed in this report has been filed with the Ministry of Energy, Mines and Petroleum Resources under Statement of Work Event number 6002196, dated Oct. 26, 2023.

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Title ID	TENURE NAME	OWNER		OLD GTD	NEW GTD	STATUS	AREA (ha)
1072740	CONGLIN CREEK 1	139085 (100%)	092H	2019/NOV/15	2027/SEP/25	GOOD	1,898.175
1099098	TIGER	139085 (100%)	092H	2022/NOV/02	2027/SEP/25	GOOD	20.867
1099099	TIGER	139085 (100%)	092H	2022/NOV/02	2027/SEP/25	GOOD	104.332
1099101	TIGER	139085 (100%)	092H	2022/NOV/02	2027/SEP/25	GOOD	125.182
1099107	TIGER	139085 (100%)	092H	2022/NOV/02	2027/SEP/25	GOOD	83.451
1099111	TIGER	139085 (100%)	092H	2022/NOV/02	2027/SEP/25	GOOD	20.865
Total area							2,252.873

TABLE 2-1: CONGLIN CREEK MINERAL TENURES

* upon acceptance for assessment credit of the work documented in this report under Statement of Work Event number 6002196, dated Oct. 26, 2023,

SECTION 3 ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

Numerous forest service roads in various states of accessibility surround and cross through the property. Access to the property's is from the north via the Shrimkin logging road system which originates at the Loon Lake interchange on the Okanagan Connector (Hwy 97C). Alternate access is available via the Dillard FSR originating from Hwy 5A 25 km to the west. Access from the south Princeton is via the Jura FSR, which connects with the Shrimpton a few kilometres southeast of the property.

Basic accommodation, food, and fuel are available in both Princeton and Merritt. There are several guest ranches that can provide closer accommodation. The City of Merritt, located about 45 road kilometres is the main centre of service and supply for the region. Kamloops and Kelowna have international airports and air ambulance services.

Logging is the primary resource activity in the region, followed by tourism, mineral exploration-mining, and ranching. Numerous equipment contractors are available on relatively short notice.

Sufficient water and room for potential waste disposal, tailings storage, and processing plant sites all exist in the general project area.

The climate is subcontinental. Snowfall can exceed 1.5 metres at higher elevations, and rain showers are common in the summer and fall. Annual wet precipitation averages 70 cm. Temperatures range from -25°C in winter to $+30^{\circ}\text{C}$ in summer. Most surface mineral exploration can be conducted between mid May and mid October. Geophysical exploration, drilling and mining can take place year round.

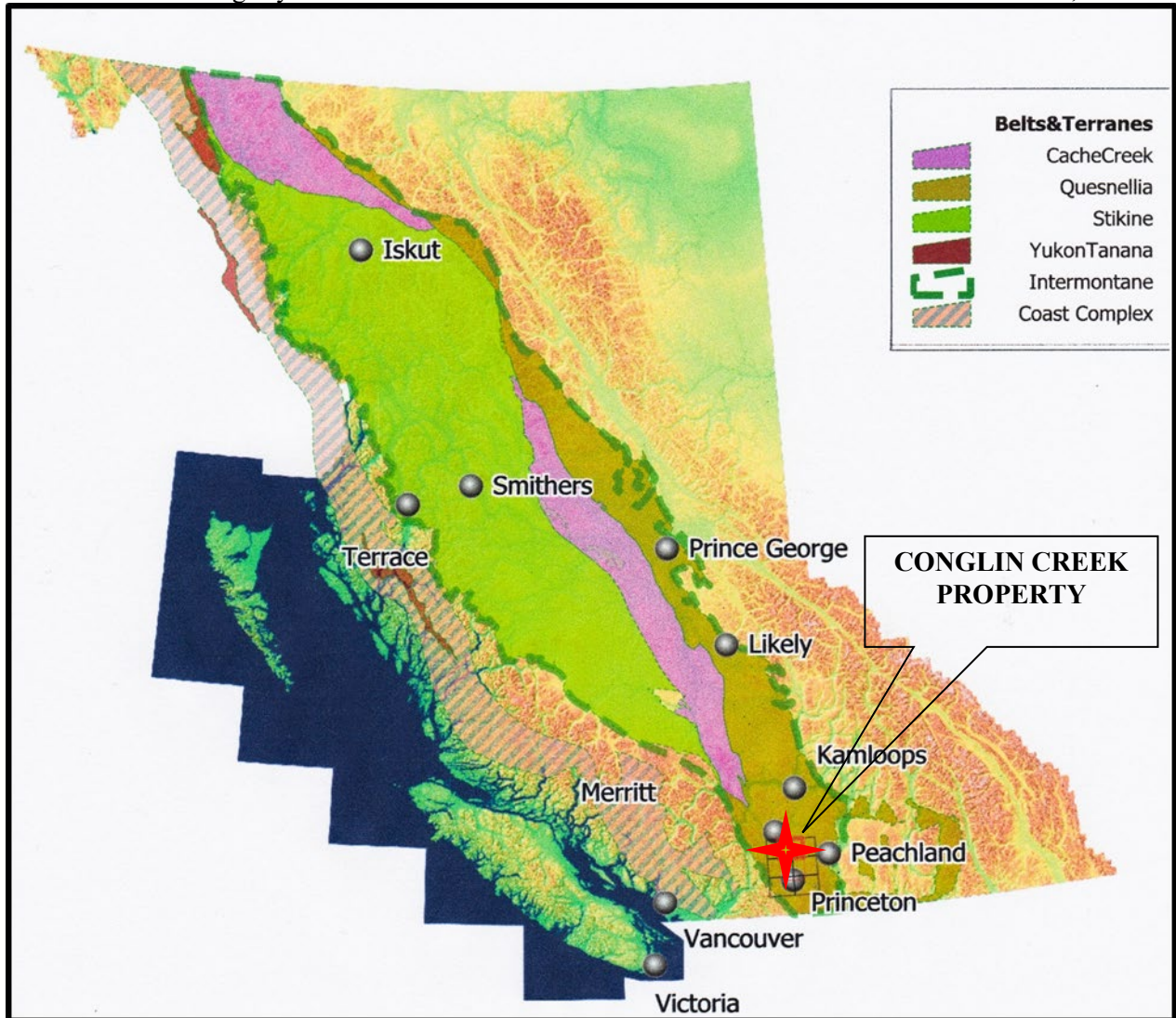


FIGURE 1-1: PROPERTY LOCATION MAP

Geophysical, Geochemical and Prospecting Assessment Report on the CONGLIN CREEK Property

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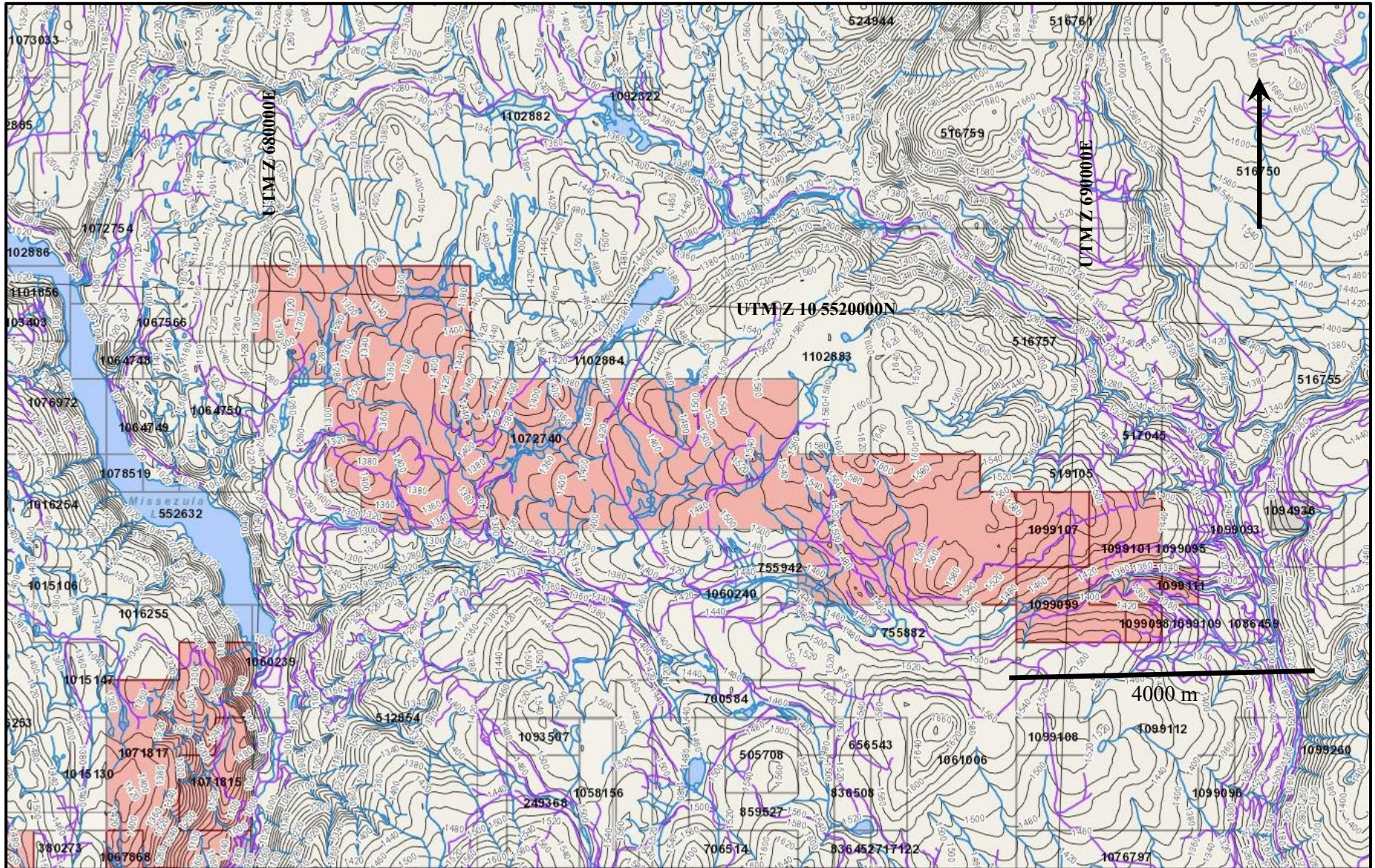


FIGURE 2-1: MINERAL TENURE PLAN (IMAP BC screen shot. Pink Tenures are Billingsley Tenures)

RENAISSANCE GEOSCIENCE SERVICES INC. – Leopold. Lindinger, P.Geo.
680 Dairy Road, Kamloops, B.C. V2B-8N5 Email Leojlindinger@gmail.com, Ph/text 2503190717

SECTION 4 HISTORY

The area has an extensive and ongoing exploration and mining history since the discovery and development of the Copper Mountain copper-gold-silver deposits near Princeton in the late 1800's. Subsequent exploration has resulted in the discovery of over 25 significant copper and gold prospects including past and present producers within 50 kilometres of the CONGLIN CREEK property. In the area many millions of exploration and development dollars are spent every year by dozens of junior and many senior exploration and mining companies. Recent exploration has also been directed towards high grade gold vein systems associated with the Spence's bridge rocks of which the SADIM and HIT prospects can be considered a probable example. The Siwash gold and silver camp is another possibly even younger deposit type with tertiary intrusive associated silver deposits occurring at the and beyond the east end of the Conglin Creek property. The recent the discovery of deep high grade (GATE) copper discovery adjacent to the property by Kodiak Copper Corp. has provided exploration incentive for alkalic copper deposit type.

The earliest exploratory work in the local area dates back to the 1920's and appeared to focus primarily on volcanic hosted red bed copper mineralization occurring in several small showings within and around the current property boundaries and high grade silver deposits to the east of the property such as the Mabel Occurrence and on the property at the Dillard North occurrence. High grade shear hosted porphyry style copper mineralization on the Axe prospect south of the Property was also discovered.

The following sequential exploration history is largely summarized from available assessment reports available online from the ARIS web portal.

The earliest recorded work on the area of the Conglin Creek property is from 1969 where the property area was part of a large airborne magnetitic survey completed for Pageant Mines Ltd. (Cochrane, 1969). The survey produced many magnetic anomalies that could not be directly explained by the known geology. The program was closely followed by a diamond drilling program also for Pageant Mines and funded by Primer Group Minerals Ltd. (Tully, 1970). In this report was documented several drilling campaigns beginning in 1962 on the current PMD property of Kodiak Copper Corp. One hole was completed near the south center of the current Conglin Creek property (69-08). The hole encountered 72 metres of overburden before intersecting "dark phase feldspar porphyry" for the next 80 metres. The core was sporadically pyrite mineralized with several intersections returning 100 ppm and one 200 ppm copper (at 124 m). The hole was incompletely sampled. The hole is plotted at 2 locations on the accompanying location plan, one at approximately UTM Z10N Nad 83 683100E 5517850N and the second 600 m to the SE at 683550E 5517500N. Also completed was a widespread geochemical sampling program for copper and molybdenum including over the south central part of the Conglin Creek property. The portion of the survey on the current Conglin Creek claims had 12 samples (out of approximately 320) reporting 60 to 140 ppm copper in three loosely spaced north trending zones in the northern ½ of the surveyed area on the claim. The westernmost one has the largest NS extent. These samples were taken in extensive and often deep glacial drift sheets.

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There has been little substantial exploration work of the area of the claims since. Colorado Resources Ltd. completed reconnaissance level rock sampling (Travis and Jacobs 2016).

The property was acquired by MTO staking by Richard Billingsley the current owner in 2019.

During 2021 Billingsley retained Renaissance Geoscience Services Inc. as project manager to design and complete an exploration program on the property. This program is summarized below.

2021 EXPLORATION PROGRAM

Geotronics Consulting Ltd. completed a soil sampling program over a central portion of the Conglin Creek property immediately north of the property boundary with the adjacent PMD property of Kodiak Copper Corp. The program was completed during September and early October 2021. An approximately 1350 NS by 3000 m EW area was covered with a total of 552 sites sampled for both MMI, SGH and Bioleach with an additional 50 sites for SGH and Bioleach only. Sites with samples of significantly high organic matter were removed from the MMI-M analytical stream.

Geotronics was also completed a drone supported magnetometer survey of a 2 by 5 kilometre area extending west, east and north beyond the area covered by the sampling. The Geotronics drone magnetic report included plots of the total field, total field to pole, first vertical and horizontal derivative EW and NS, and second vertical derivative and downward continuation results.

Also completed was a 2 day prospecting and rock sampling program along old and new logging roads. The purpose was to try to locate mineralized or altered samples that may provide vectors to as yet undiscovered on property mineralization.

SAMPLING METHOD AND APPROACH

Soil samples

The 2021 program was designed to have 2 D equally spaced samples with lines at 75 m N-S spacing and offset by 50 metres from the adjacent line. All east west lines had 100 m site spacing. The resulting internal sample spacing was about 89.5 m from the closest adjacent site to the NW, NE, SW and SE. 2 samples were taken at each site. One set ideally sampled between 10 and 25 cm was for SGS MMI analyses. The second set was taken between 0 and 5 cm below the organic BF contact. Occasional additional samples were taken for the Soil Gas Hydrocarbon for laboratory proofing.

SAMPLE PREPARATION, ANALYSES AND SECURITY

Field Sample Preparation and Security

The samplers had various labels to separate the MMI and SGH-Bioleach samples. The samples were placed in boxes prelabelled for MMI and SGH analytical procedures on a daily basis. The samples were stored until shipping in locked secure hotel rooms.

The samples were periodically transported from the field to the secure Renaissance Geoscience Services Inc. facility at 680 Dairy Road, Kamloops, B.C. by Geotronics employees, or were picked up by the manager himself. Prior to shipping to the analytical laboratory the sample advice forms were filled out with the samples for each analytical procedure of each batch having the appropriate sample advice sheet in one of the boxes in the shipment. The MMI samples were shipped by Overland West Trucking to the SGS Metals Laboratory in Burnaby BC. The SGS-Bioleach samples were transported by the manager to the ALS sample preparation facility in Kamloops B.C.

Due to the prospective nature and unusual analytical methods chosen no field blanks or standards were used. The SGH samples had ~5% additional randomly chosen field duplicates taken at the recommendation of Jeff Brown of Actlabs.

Due to budget constraints in 2021 the Bioleach samples were withheld from analyses.

Analytical Laboratory Sample Preparation

Samples are catalogued and dried. Soil samples are prepared by sieving through an 80 mesh screen to obtain a minus 80 mesh fraction. Samples unable to produce adequate minus 80 mesh material are screened at a coarser fraction. These samples are flagged with the relevant mesh.

The soil samples having the soil gas hydrocarbon analyses were prepped and analysed using Actlabs proprietary methods. The MMI samples were prepped and analyzed using SGS Laboratories proprietary methods for that procedure.

DATA VERIFICATION

No field data verification steps have been taken other than internal laboratory methods.

2021 EXPLORATION RESULTS

Geochemistry

The MMI and SGH often produced complementary copper patterns, including where the 1969 highest copper in soil results were (50 to 140 ppm copper) with 4000 to >10,000 ppb for MMI and >200 ppt for SGH. MMI and SGH gold patterns somewhat mimicked the copper plots. The MMI gold values were very low with over trace values where obtained where copper and SGH gold elements produced elevated values. The eastern gold target boundary also closely matches a recessive ovoid topographic drainage feature. There was fairly good correlation with SGH copper, SGH gold and MMI copper with these features. The best MMI copper samples also often returned reportable palladium. Reportable platinum was most common at the east end of the survey area underlain by the magnetic high with magnetic intrusive rocks.

MMI silver and zinc in soil values tended to be higher in the north ½ of the soil grid. There is an open to the south arcuate silver anomaly in the NE part of the grid that encircles a 2 sample zinc

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anomaly that also coincides with a similar sized circular magnetic high with a corresponding relative encircling magnetic low. Whether this pattern represents a distal alteration signature of the better copper and gold anomalous areas to the south remains unknown.

MMI potassium values tended to be highest in zones between magnetic highs and lows. There a two area of elevated values. One is along the western edges of the soil survey and the other in the north central part of the survey area and immediately south of the silver-zinc-magnetic target.

The rock samples results did not produce anomalous gold, silver, copper lead, or zinc values. The most altered diorite samples also had elevated sodium to potassium ratios. For the altered feldspar porphyry samples taken in the western part of the property they may be enriched in sodium as part of a lithocap over buried alkalic porphyry system. Heavily pyritic rock samples taken in the north central part of the property did not return any significant base or precious metal values.

The presence of numerous sodium altered feldspar porphyry diorite intrusive fragments in the south western part of the property where no published intrusive bodies are known to occur requires mapping to explain. The 1969 drill hole a few hundred metres east of the 2021 western rock samples also intersected an unmapped intrusive under deep overburden. The intrusives from the rock sampling and drillholes are interpreted to be the same as those associated with copper mineralization at the adjacent to the south PMD property. The Conglin Creek property also displays the same complex magnetic patterns seen the PMD property to the south.

2021 INTERPRETATION AND CONCLUSIONS

The CONGLIN CREEK property hosts based on low level airborne magnetics (1969 and 2021), and 2021 soil SGH and MMI gold, copper, silver zinc, geochemistry several alkalic copper-gold targets interpreted to overly possible mineralized deposits at depth.

In the western part of the claim a preliminary rock sampling program of altered diorite float while not producing anomalous copper gold or silver values were anomalous in sodium and may be depleted in potassium. This may indicate alteration styles similar to a sodium enriched zone overlying alkalic porphyry copper-gold deposits as displayed in the alkalic porphyry model (see Figure 8-1). The target areas generated coincident SGH gold, copper and magnetic anomalies with little visual indication of buried mineralization other than in the western part of the grid extensive areas of variably altered gossanous weathering intrusive rocks that can have very high sodium-potassium ratios.

The magnetic pattern is highly variable and cannot be explained by the known underlying geology alone and by inference is the result of variable intensities of bulk hydrothermal alteration of the underlying lithologies including possibly several unrecognized intrusive centers.

Indications to date show that the chosen partial leaches (Actlabs SGH and SGS MMI) complimented by the drone magnetic and rock sampling results produce patterns that may indicate buried alkalic porphyry copper-gold mineralization.

SECTION 5: GEOLOGICAL SETTING

Regional Geology

The Conglin Creek property is located within the Intermontane Belt or Superterrane portion of the western north American Orogen. The lithologies within this Terrane are almost entirely comprised of imbricated and deformed portions of accreted late Paleozoic to mid Mesozoic exotic island arc and oceanic assemblages. In the region surrounding the property the rock packages include the Harper Ranch and Nicola-Stikine rocks of island arc affinity and the Slide Mountain, and Fennel formations of oceanic affinity. The Slocan Group sediments to the east are north American sourced. Recent interpretations have these rocks overlying ancestral north American basement due to eastward directed compressive activity by the overthrusting exotic terranes.

The Harper Ranch, Nicola-Stikine and possibly Fennel Formations have coeval intrusives. The Nicola associated intrusive in particular as associated with numerous significant porphyry style calc-alkalic copper-molybdenum and alkalic copper-gold-palladium deposits.

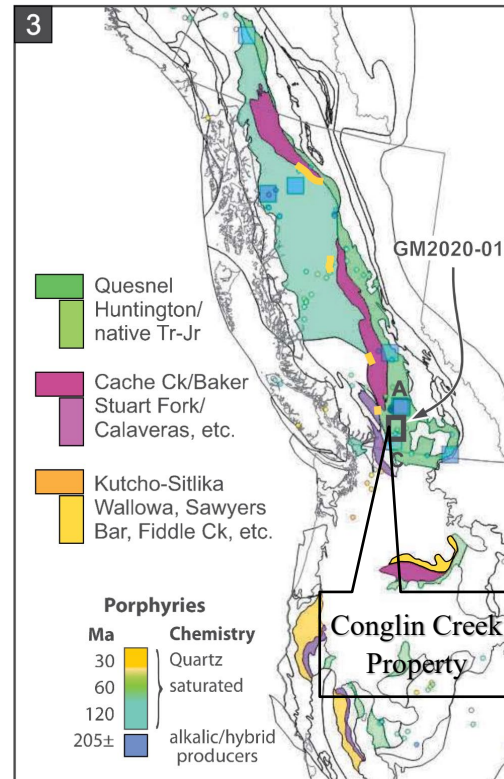
Intruding and overlying the accretionary lithologies are late Mesozoic to Miocene sedimentary and volcanic deposits. These include the Cretaceous Spences Bridge Group, Eocene Kamloops Group, Miocene Chilcotin Group and Quaternary to Recent volcanics. These are host to several deposits styles ranging from porphyry copper to epithermal gold-silver deposits.

Pre and post glaciation surficial deposits of variable thicknesses blanket the region

Pre and post accretionary industrial mineral deposits include limestone, bentonite, diatomaceous earth, post glacial gravel and sand.

FIGURE 5-1: GEOLOGICAL SETTING OF QUESNEL AND STIKINE TERRANES WITHIN WESTERN NORTH AMERICA Source Mihalynuk and Diakow, 2021

Figure 3. Setting of mineralized arc rocks of Quesnel and Stikine terranes within western North America, including probable correlative arc rocks in the western USA. A prolific Late Triassic Cu-Au±Ag mineralizing event, mostly ~205 ±5 Ma (Logan and Mihalynuk, 2014), coincides with a major pulse of alkalic porphyry magmatism during late Stikine and Quesnel arc construction. A and C denote Afton and Copper Mountain alkalic porphyry deposits. Calc-alkalic deposits within the Guichon batholith just northwest of the GM2020-01 map area, are also part of this mineralizing epoch. Despite similarities in the tectonic fabric of the western USA, the alkalic porphyry belt is unknown there.



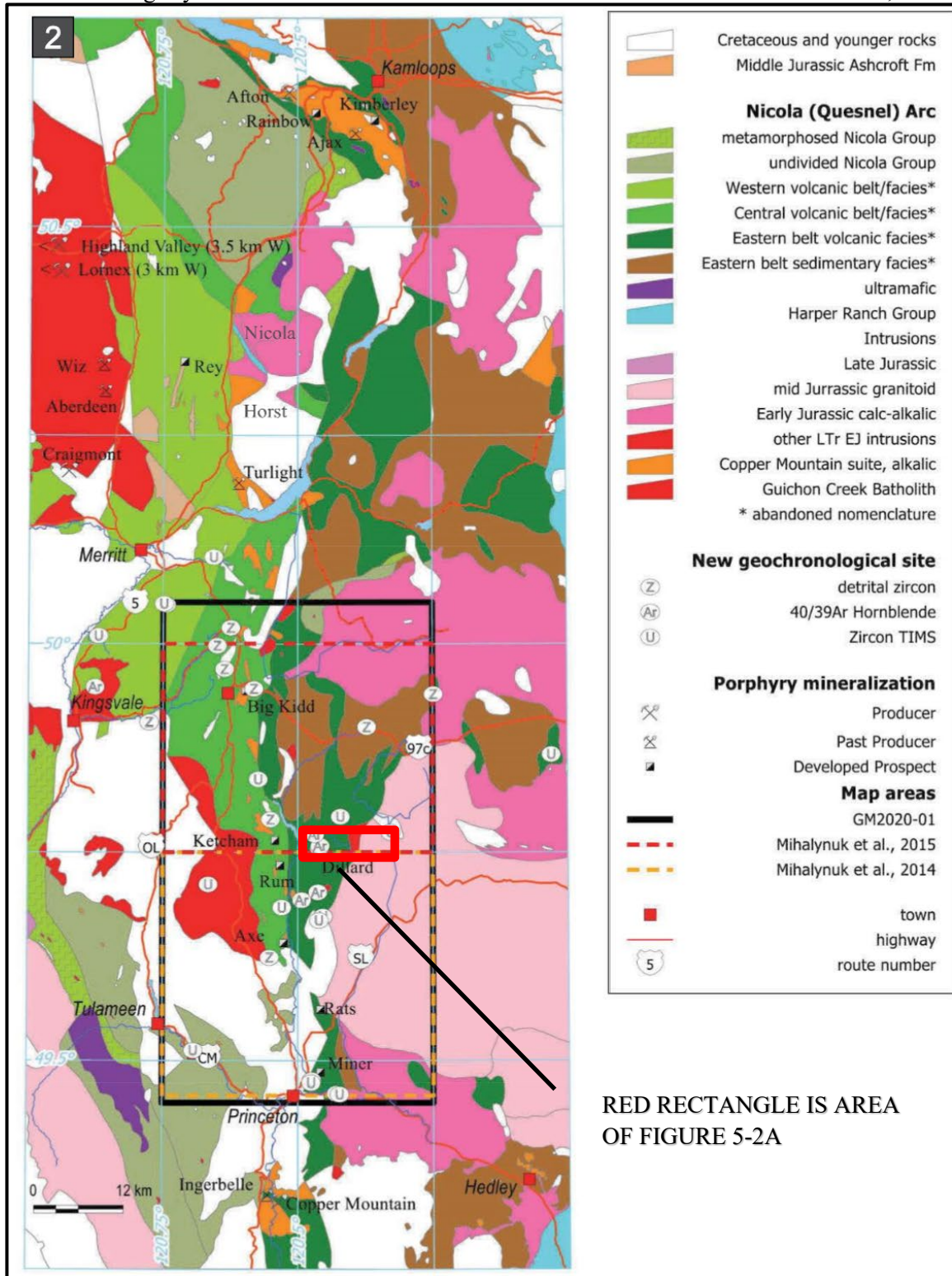


FIGURE 5-2: REGIONAL GEOLOGY (Source Mihalynuk and Diakow, 2021.)

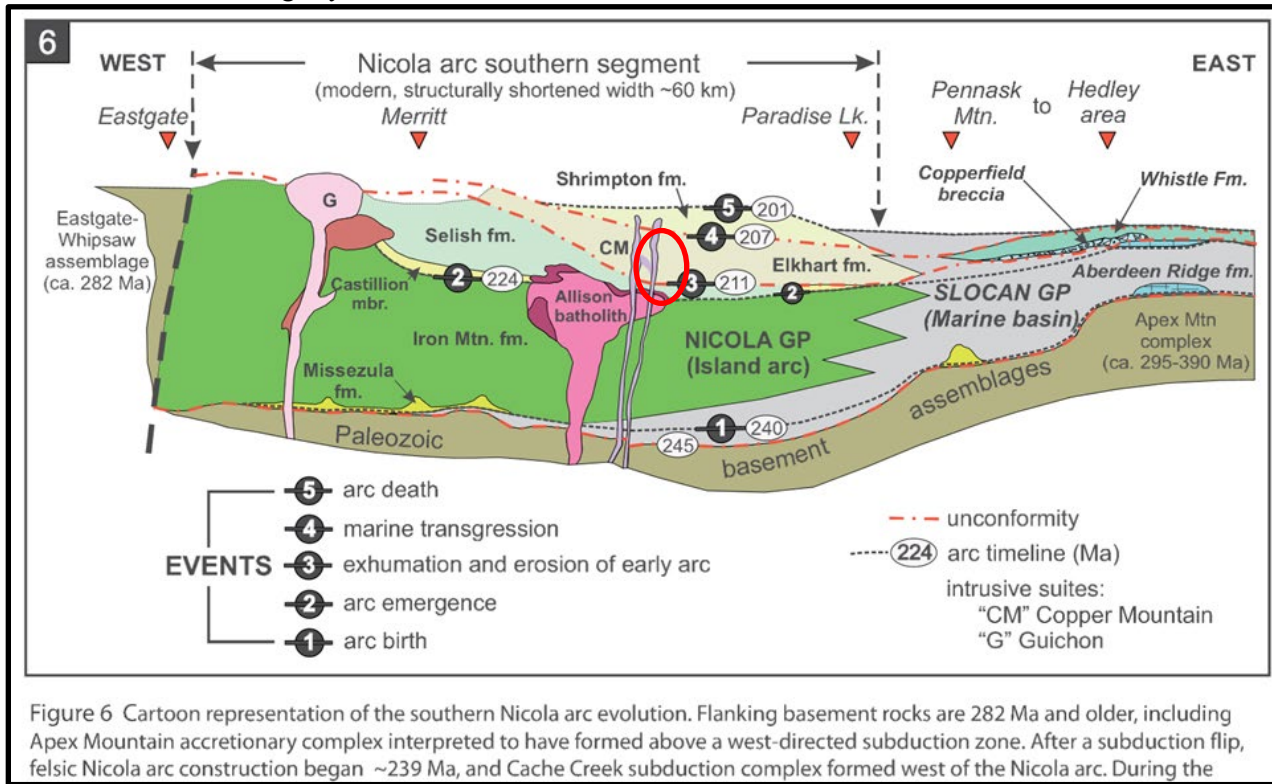


FIGURE 5-3: CARTOON REPRESENTATION OF SOUTHERN NICOLA ARC EVOLUTION (Source Mihalynuk and Diakow, 2021.)

Red oval in above figure is prospective target environment for Alkalic porphyry copper deposits of Nicola Arc including CONGLIN CREEK Project and adjacent PMD project of Kodiak Copper Corp.

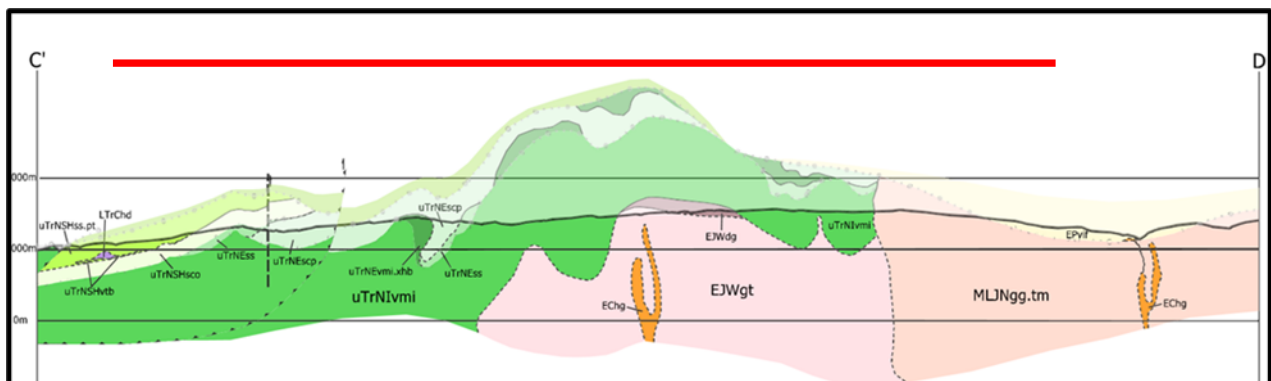
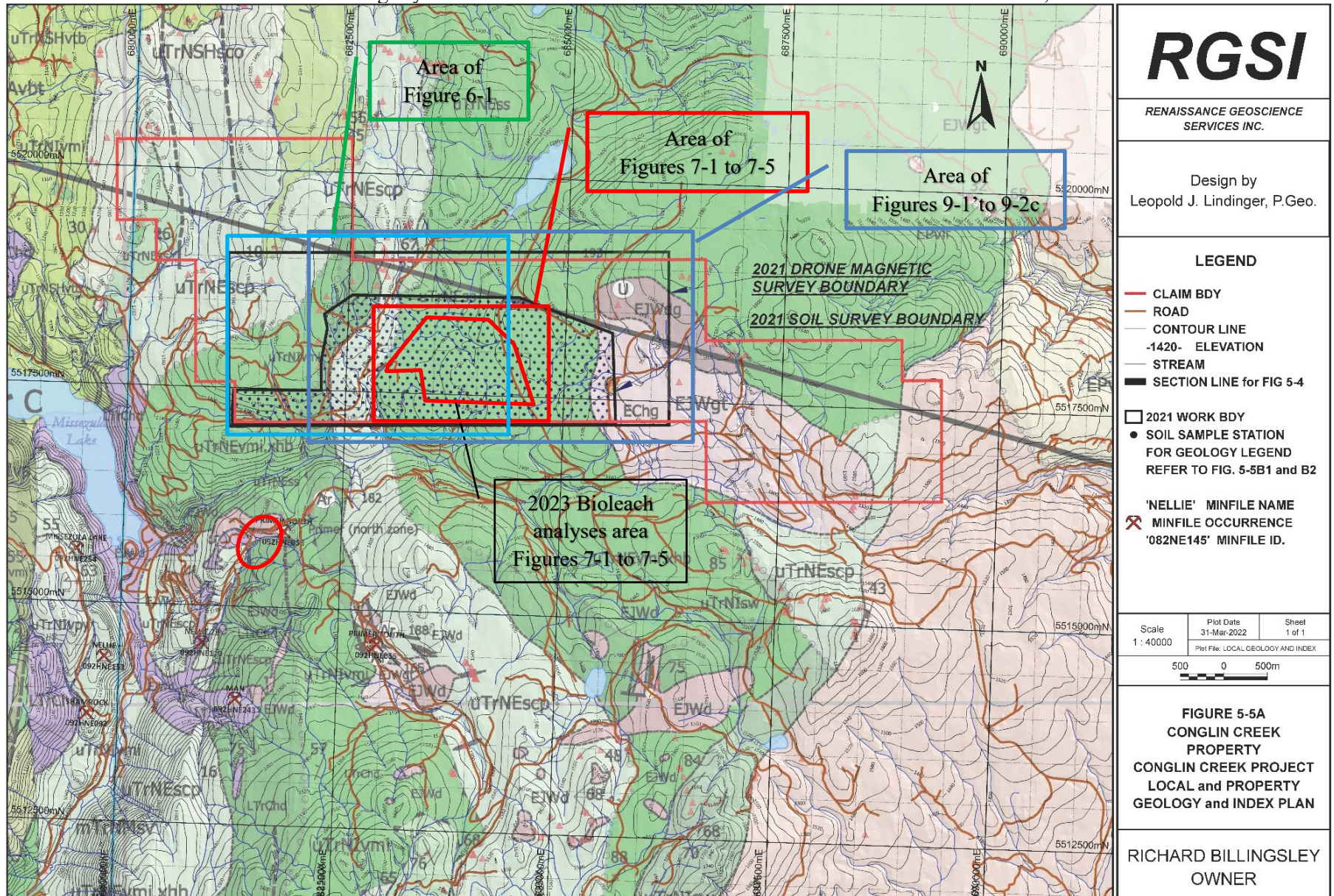


FIGURE 5-4: IDEALIZED CROSS SECTION THROUGH THE NICOLA ARC EAST of the SUMMERS CREEK FAULT (Source Mihalynuk and Diakow, 2021.)
 Red line is portion covered by CONGLIN CREEK property.

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(Geology Map Source. Mihalynuk and Diakow, 2021 **Red oval is Kodiak Gate discovery**)

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FIGURE 5-5B1: LAYERED ROCK UNIT LEGEND FOR FIGURE 5-5A

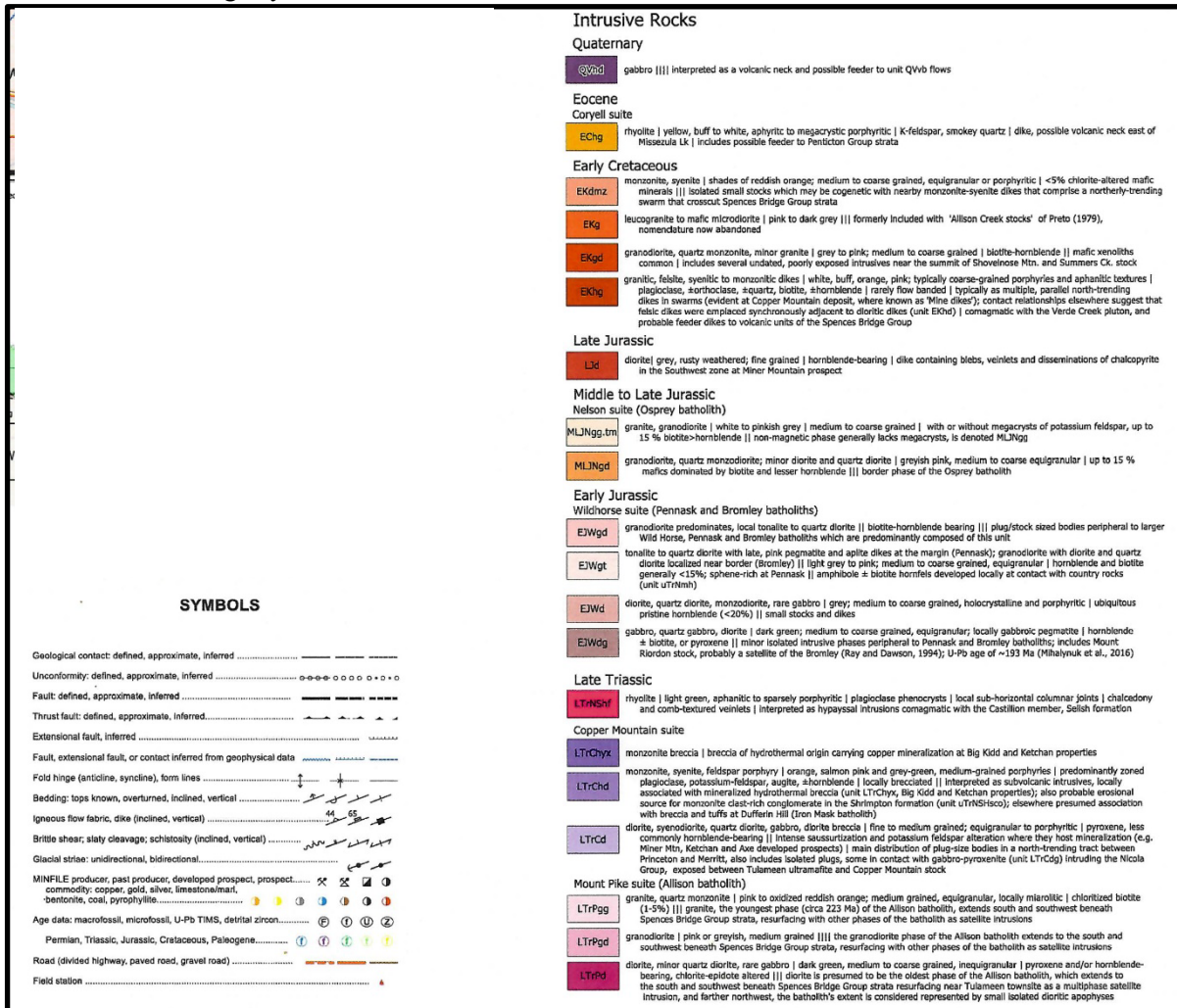


FIGURE 5-5B2: INTRUSIVE ROCK UNIT LEGEND AND SYMBOLS FOR FIGURE 5-5A

Local Geology

The geology of the local area is comprised of late Triassic to early Jurassic allochthonous Nicola Group rocks that host syn and post depositional intrusives (Units uTrNxxx) in Figures 5-5A). These rocks have been structurally imbricated, folded by Jurassic aged compressional activity as the Nicola island arc collided with and the upper kilometres overrode the west edge of the north American plate. The latest interpretations as depicted in Figure 5-4 is that the entire Nicola arc has been decoupled from its basement and thrust eastward onto ancestral north American basement. Locally the Nicola rocks are thrust onto the western margin of the Osprey batholith a few kilometres east of the project. Jurassic and later intrusives with coeval volcanic and sediments form more recent manifestations of this orogen. The most recent deposits are unconsolidated pre, syn and post glacial deposits.

The nearest significant metallic mineral occurrences are Nicola Group intermediate calc-alkalic to alkalic intrusives that host porphyry copper-gold-silver mineralization. The MAN-PRIME-

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GATE developed prospects occurring to the south of the CONGLIN CREEK property are the most significant local deposits of this type. They are currently being explored by Kodiak Copper Inc. Currently lesser deposits include the RUM-COKE prospects that the current property partially surrounds at its north west end. The numerous “red bed copper” showings in the area (ANITA) are either difficult to locate or apparently found to be related to porphyry systems.

Later interpretably Cretaceous to early Tertiary structurally hosted and possibly intrusive associated precious metal veins systems are now a popular exploration target in the region. Examples of these deposits in the region include several deposits within the Cretaceous Spences Bridge gold belt northwest of the area (Shovelnose discovery). The SADIM, HIT and MISS prospects may be southeasterly examples of this deposit type. The early Tertiary meso-epithermal ELK, SIWASH gold and DILLARD – MABEL silver-zinc-copper-lead-gold vein deposits east of the area also represent exploration targets in the area. Industrial and non-metallic mineral deposits in the area include limestone, decorative and dimension stone and gravel.

Property Geology

The author has relied on Mihalynuk and Diakow’s 2021 South Nicola Map and interpretation for much of the following information. The geology of the CONGLIN CREEK property area is comprised of structurally imbricated and folded late Triassic to early Jurassic Nicola Group volcanics, sediments and coeval intrusives (Figure 5-4). These units include from west to east an eastern portion of the Triassic Allison Lake pluton (LTrP) and coeval and later Nicola Group mafic to intermediate volcanics with remnant of coeval sediments including limestone (uTrN). These rocks have been intruded by latest Triassic to early Jurassic dioritic to granodioritic coeval intrusives (LTrC) to (EJW) and (MLJN).

Mineral Occurrences

The original Conglin creek property has no known mineral occurrences. The economic metal barren pyrite mineralized zone at UTMZ10N 683050E, 5518650N although the site of extensive trenching is undocumented.

In the south central part of tenure 1074720 a 1969 drill hole (rediscovered in 2023 at UTMZ10N 683090E, 5518620N intersected ‘dark feldspar porphyry’ (diorite) similar to that hosting the copper-gold porphyry mineralization at the PMD property.

Earlier in 2023 Billingsley acquired the TIGER tenures adding to the east end of the Conglin Creek property. The claims have one documented Minfile occurrence the DILLARD NORTH Minfile 092HNE042 polymetallic occurrence. The occurrence is describe in more detail below from the Minfile description.

...”The Dillard Zone showing occurs along the contact between a northwest-trending body of quartz porphyritic monzonite/quartz syenite of the early Tertiary Otter intrusions to the east, and granodiorite of the Middle Jurassic Osprey Lake batholith to the west.

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Trenching in a northerly trending gossanous zone, over a 200 by 200 metres area, intersected highly altered quartz syenite containing abundant pyrite and secondary manganese (pyrolusite (?)) and minor amounts of magnetite, chalcopyrite and tetrahedrite. "Noteworthy amounts" of silver and zinc are reported (Assessment Report 1800, page 3). A sample analysed 0.21 to 0.40 per cent zinc and 3.8 to 10 grams per tonne silver (Assessment Report 7992, rock geochemistry maps). Sampling of closely-spaced parallel trenches yielded values of 3.4 to 10.3 grams per tonne silver and 0.1 to 0.3 per cent zinc."...

Noted is that although this target is classed and 'alkalic porphyry copper' in the "Quesnel Terrane" the fact that the mineralization is largely hosted by and postdates the Tertiary (syenitic) intrusions and associated rhyolites makes this target a member of the nearby silver rich Siwash Creek (Mabel) deposits and coeval with other Tertiary intrusion related deposits in the region.

SECTION 6: 2023 EXPLORATION PROGRAM

The entirety of the 2023 work focused on the central part of the original Conglin Creek property where the 2021 work was completed.

The 2023 field program was largely comprised of 3 days of ground truthing the many single point MMI copper and SGS gold in soil anomalies to confirm their validity to generate a valid anomaly. If exposures permitted rock prospecting for altered and mineralized float was completed during the traverse to the anomalous sample site. Also completed were traverses along undocumented historic exploration trails.

SAMPLING METHOD AND APPROACH

Soil samples

For details of the sampling program the reader is referred to Section 4 History, and Lindinger, 2022. The samples analyzed during the 2023 program were subsamples from the 2021 soil survey. None of the 2021 samples were analyzed then for Bioleach due to budget and time constraints. Selected set of samples were chosen by the manager for the Bioleach analyses this totalled about 85 samples.

SAMPLE PREPARATION, ANALYSES AND SECURITY

Field Sample Preparation and Security

The minus fraction splits from the 2021 samples were in the possession of Actlabs for the entire period between delivery and the 2023 analyses except for a 1 month period when they were in the possession of the manager in his secure facility at 680 Dairy Road in Kamloops. The entire data set was returned to Actlabs for the current and eventual bioleach analyses.

Analytical Laboratory Sample Preparation

The samples were prepped in 2021.

The previously prepped soil samples having the Bioleach analyses were analysed using Actlabs proprietary methods.

DATA VERIFICATION

As both MMI-M and Bioleach produce results from metallic ions released at depth from sulphide mineralized bodies. The writer compared the MMI versus the Bioleach results patterns which should be similar. This data is presented in Section 7. The manager also completed a site examination of significantly higher MMI-M and SGH gold in soil results. The results of this work is detailed below in Section 7 "Due diligence Program". Other data verification procedures were internal analytical laboratory ones..

Rock Samples

During the 3 days of traverses any rocks, either float, subcrop or bedrock that warranted attention were noted and if possible sampled. Images of some of these are presented below. The traverses and observations are presented in Figure 6-1 in Appendix B below. Rock sample descriptions are presented with the images below. Most are currently in the managers possession.

On the September 07 traverse, which covered a small north central portion of the property that had large areas of swamp an outcrop of clast supported feldspar porphyry andesite fragment breccia was mapped. This rock hosted fine to medium grained disseminated magnetite and possibly pyrrhotite. It was also moderately but thoroughly carbonate altered. An image of this rock is presented below as CC-OC-23-09-07-01. This rock exposure coincided with a distinct magnetic low and distinct soil gas hydrocarbon gold in soil anomaly. Further south a dried up drainage had extremely strong pyrolusite coatings on all rocks in the streambed.

On the September 08 traverse which began at the extreme NW corner of the 2021 sampled area went over an extensive area of very strongly carbonate and possibly locally albite altered and bleached volcanics. This area occurs at the north end of a linear mag low and the 2 best 2021 MMI-M silver in soil samples centered at UTMZ10 582650E 5518400N. Rock samples CC-F-23-09-08-01 and 03 were taken and images are presented below. Nearby sites CC-F-23-09-08-02 and 4 were imaged and are presented below. The initial rational for the traverse was to examine a soil sample site ~200 m NW that was an isolated MMI copper high near a drainage. The here sample was taken was damp and had a significant organic component.

Additionally on September 8 on the eastern side of the property near UTMZ10 684370E 5518550N near 2 hi MMI-M copper samples near swamps or drainages that were examined silicified and pyrolusite coated volcanics and argillite were located.

On September 9 no areas of notable outcrop or float was encountered. Both areas of high MMI copper and SGH gold from the 2021 survey were examined. All high copper and most single point high gold samples were from damper soil sites with higher organic component that surrounding ones.

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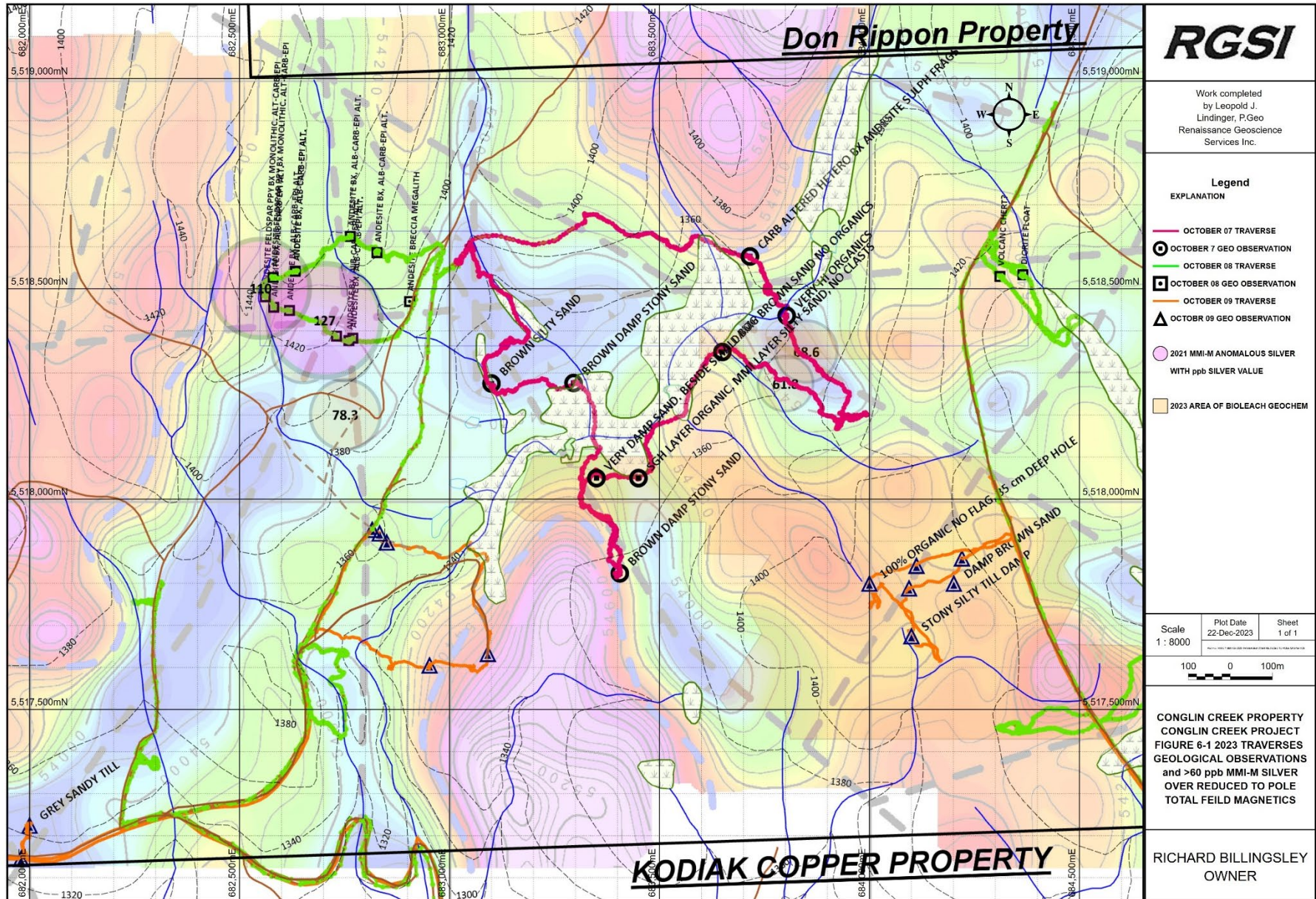




IMAGE CC-F-23-09-07-01 Location 683715E 5518575N.

Altered crystal tuff fragment andesite breccia with weak pyrolusite coatings on fracture and intrabreccia fragment surfaces. Weakly pervasively magnetic. 2% erratically disseminated magnetite.



IMAGE CC-F-23-09-08-01 Location 682760E 5518375N.

Oxidized altered crystal tuff fragment andesite breccia with heavy pyrolusite coatings on fracture and intrabreccia fragment surfaces. Weakly pervasively magnetic.



IMAGE CC-F-23-09-08-02 Location 682760E 5518375N.

Altered andesite crystal tuff fragment breccia. Rock is bleached has numerous carbonate veins-zones, and extensive epidote. Moderately weathered rinds are heavily pyrolusite coated.

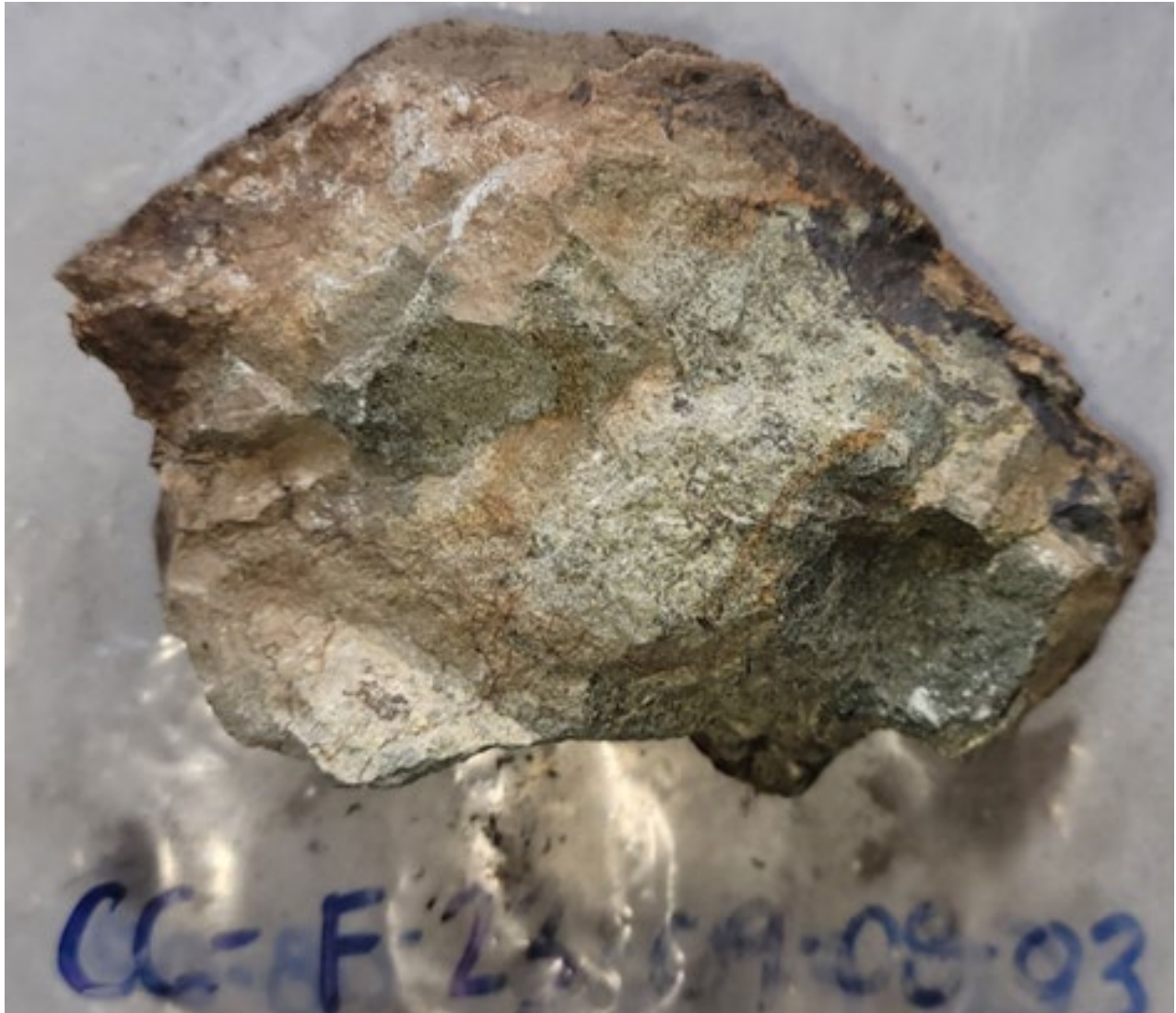


IMAGE CC-F-23-09-08-03 Location 682770E 5518285N.

Oxidized altered crystal tuff fragment andesite breccia with heavy pyrolusite coatings on fracture and intrabreccia fragment surfaces. Non magnetic.



DIOPTRA IMAGE CC-F-23-09-08-04 Location 682730E 5518385N.

Various fragments of altered feldspar crystal tuff andesite fragment breccia



Image CC-OC-23-09-08-01 Location 682580E 5518455N. Strongly bleached and albite-epidote-carbonate altered andesitic breccia.



Image CC-OC-23-09-08-01 Location 684365E 5518535N

Very fine grained melanocratic massive feldspar porphyry diorite or mafic flow. Strongly pervasively magnetic. Euhedral 1 to 3 mm feldspar \ 5-10% of rock. Source unknown.

SECTION 7 EXPLORATION RESULTS

Due Diligence Program

Completed by the manager was a due diligence check of most single sample very high MMI-M copper and SGH gold in soils. The manager noticed in a review of sites with very high (>8000 ppb MMI-M copper) that there was a spatial correspondence with swampy areas with high organic soils. The plotted data is presented in Figure 6-1 below. A review of the causative source of high SGH gold in soil results was less apparent. Areas of single markedly high gold were often from damp to swampy areas but at least two areas (one with three sequential samples were from was from dry topographically positive areas with sandy dry till. Please refer to FIG 6-2 below.

Geochemistry

The discussion below only discusses for MMI-M and soil gas hydrocarbon results within the area of the bioleach results. The entire sampled area is presented and discussed in AR 40095 It is known that the entire area of which the 2023 sampled area is only a small part of is underlain by Nicola volcanics and intrusives that are extensively hydrothermally altered with significant

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carbonate replacement of the original rock mass with variable epidote. At least one portion of this area has barren semi massive pyrite mineralization. What is not known if this represents a lithocap over buried porphyry copper-gold mineralization.

The Bioleach results were combined with the MMI-M and SGH results into a single database. A portion of this database with only the samples that had the Bioleach results is presented in Figure 7-1 in Appendix B. below. A comparison of the average elemental results from the 2 analytical procedures was made. The results were placed into three categories (1) <50% MMI-M/Bioleach, (2) 50 to 200% MMI-M/Bioleach,, and (3) >200% MMI-M/Bioleach,.

Category 1 elements were Ce, Er, Eu, Fe, Ga, Gd, La, Li, Mg, Mo, Nb, Nd, Pr, Sm, Th, Tl, W, and Zr. The highest category 1 ratio was for Niobium at 19%. However many rare earths have less than 30% ratio. Category 3 elements were Ag, Au., Cd, Co, Cs, Cu, Ni, Pb, and Rb. The highest ratio was for silver at over 40. This ratio has been noted on other projects and it is probably due to the extremely high toxicity of silver to most bacteria skewing the results in favour of ionic silver. Of note in this category is Cesium at a 5.51 ratio.

The following plots of samples for which Bioleach was completed for elements copper, gold, silver, lead and arsenic presented below. The plots show elemental results for all available analytical method. A corresponding written summary of the results is also presented below.

2021 MMI-M, SGH (copper, gold only) and 2023 BIOLEACH COPPER

The samples locations and ID's are presented in Figures 7-1 to 4 below for BIOLEACH, MMI-M and SGH copper, 7-2 BIOLEACH, MMI-M and SGH gold, 7-3 for BIOLEACH and MMI-M silver, and 7-4 for BIOLEACH and MMI-M lead.

The copper results in Figure 7-1 have for MMI-M and Bioleach similar patterns with Bioleach presenting about 10 to 60% of the corresponding MMI-M value. Many of the higher Bioleach vs MMI-M ratio values appear to have been taken in damper areas near mapped streams and boggy areas. This may represent preferred ionic copper concentration in the upper BF horizon vs the deeper B-C mineral soil horizon of the MMI-M samples. The soil gas hydrocarbon produced a much less distinct pattern ranging from 202 to 629 ppt. Interestingly the 202 value was adjacent to a 504 values in the central west part of the sampled area were adjacent to each other. The highest concentration were 2 samples 629 and 586 ppt in the south central part of the sampled area. These values are at most 3 time the lower background values.

With the removal of the wet- high organic derived MMI-M and Bioleach sites significant copper in soil anomaly was generated in the area.

The gold results in Figure 7-2 for MMI-M produce a weak 0.4 and 0.6 ppb gold anomaly (background <1 ppb) in the south central part of the sampled area. There is a single open to the east high of 1.3 ppb at the east central part of the sampled area. Bioleach produced a very weak intermittent linear zone of elevated results parallelling the depression from the south east central the trending NNW through the sampled area. The soil gas hydrocarbon values produced the most coherent anomalous patterns. The most southerly line did report a 109 and 69 ppt SGH anomaly

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and a second 4 sample weaker anomaly of 63 to 95 ppt is present at the west central part of the 2023 sampled area.

The silver results for MMI-M and Bioleach are presented in Figure 7-3. The bioleach values averaged about 4% of the corresponding MMI-M values. There is a broad combined MMI-M and Bioleach anomaly covering most of the north east part of the area. This anomaly is open to the north. As the background for MMI-M is less than 15 ppb and for bioleach less than 0.2 ppb the significance of >40 and >5 ppb values respectively is unknown. Due to silver's toxicity to most microbial life this might explain this very high method ratio.

The lead for MMI-M and Bioleach are presented in Figure 7-4. There are no significant anomalies presented in the sampled area. There is a long NW trending linear concentration of elevated MMI-M values long the east side of the sampled area. There is a second concentration of elevated values in the north west central part of the sampled area north of the area of anomalous gold and west of the anomalous silver concentration. The silver and gold anomaly areas have depressed average lead values. For bioleach lead the pattern is similar, but the noticeable anomalies in this case cover smaller areas and are much more pronounced with values over 10 times local background. The western concentration of values in the north central part of the sampled area corresponds to the north end of the linear gold anomaly.

The arsenic results for MMI-M and Bioleach are presented in Figure 7-5. Compared for many elements the Bioleach arsenic results were significantly higher than the MMI-M arsenic. The pattern somewhat mimics copper, and lead pattern for all analytical procedures. But for MMI-M arsenic there is no correlation or even a contradictory one with 20 ppb MMI-M arsenic at the west side of the 2023 analyses area having near background bioleach arsenic values.

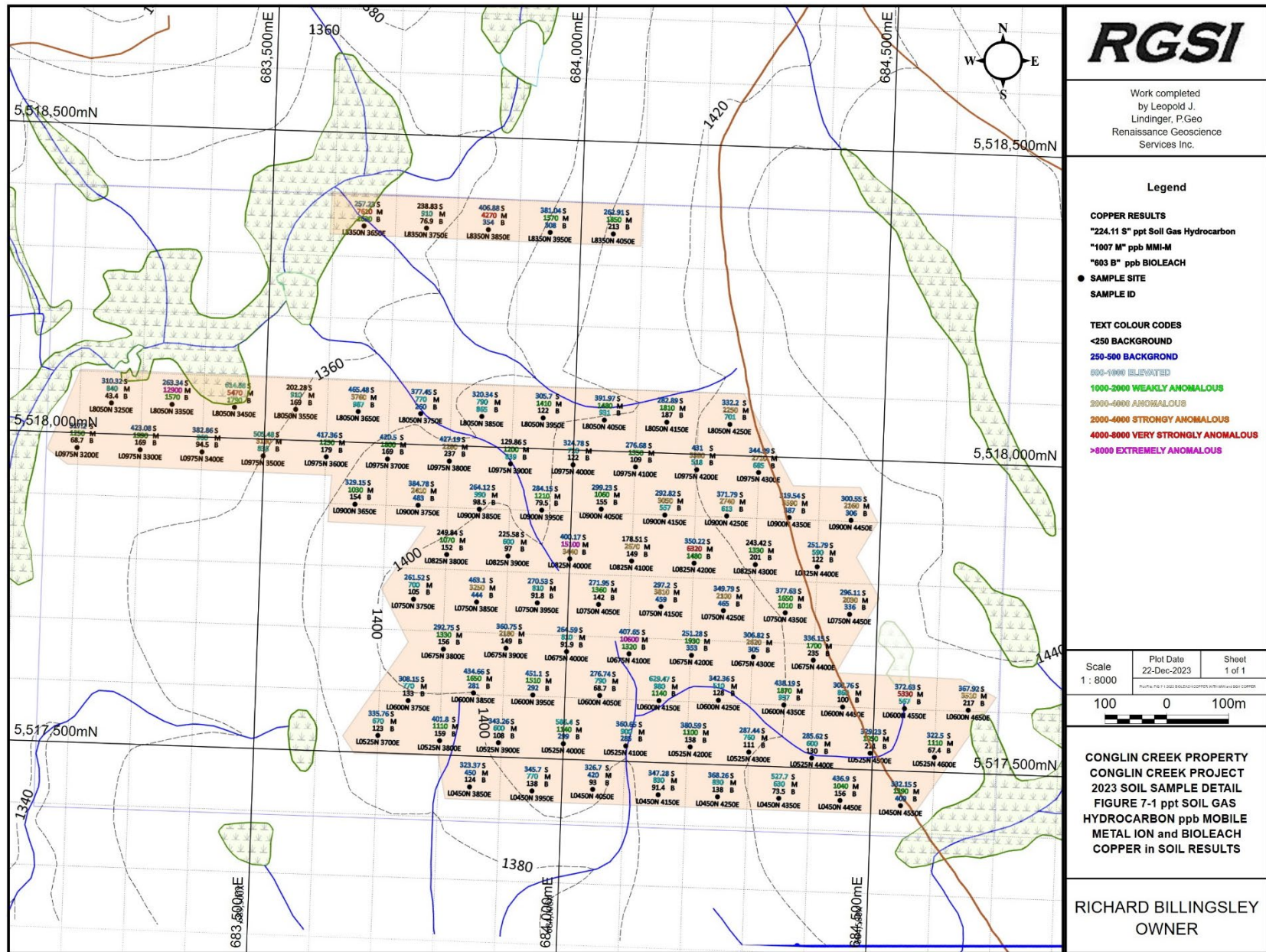
ROCK SAMPLING PROSPECTING RESULTS

Summarizing an outcropping area at the extreme NW corner of the 2021 sampled area hosts a large mass of very strongly carbonate altered bedrock. The strength of the pyrolusite on partially weathered surfaces suggest rhodochrosite is a major carbonate contributor to the alteration. As previously mentioned the area hosts by far the 2 highest silver values from the 455 sample 2021 MMI-M survey. The same sample reporting the highest MMI-M silver also hosts one of the top 5 MMI-M manganese values at over 10000 ppb.

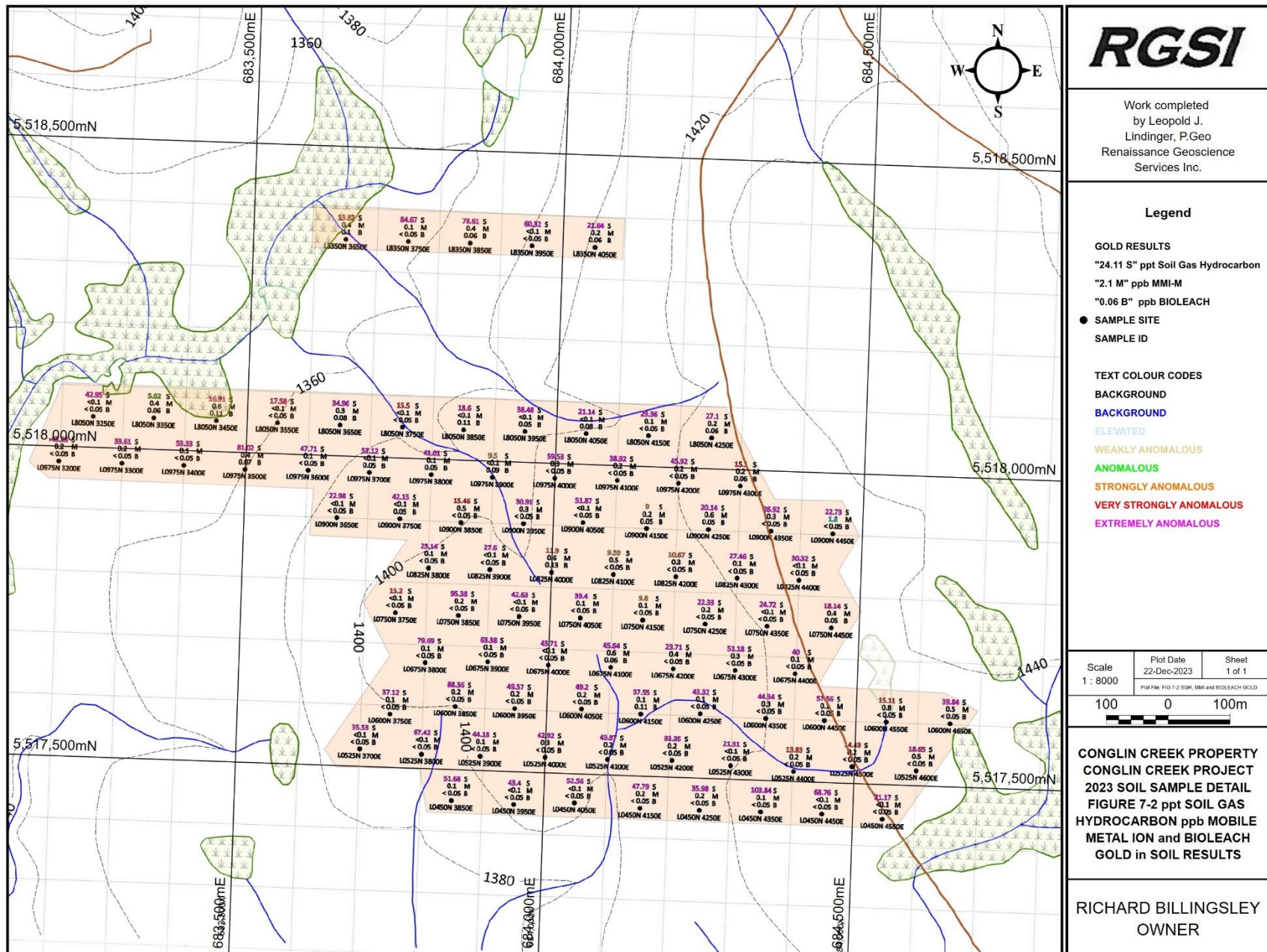
A sample of disseminated strongly carbonate altered magnetite bearing andesite breccia near a SGH gold high (gold Target C). This exposure is adjacent to the south by a small but strong magnetic low that the core of the gold in SGH soil anomaly directly overlies.

A small area of silicified volcanics is found in the northeast part of the sampled area at UTMZ10 684360E, 5518530N. Highly magnetic feldspar porphyry diorite was float found nearby. There are moderate MMI-M in soil anomalies in the area.

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Work completed by Leopold J. Lindinger, P. Geo
 Renaissance Geoscience Services Inc.

Legend

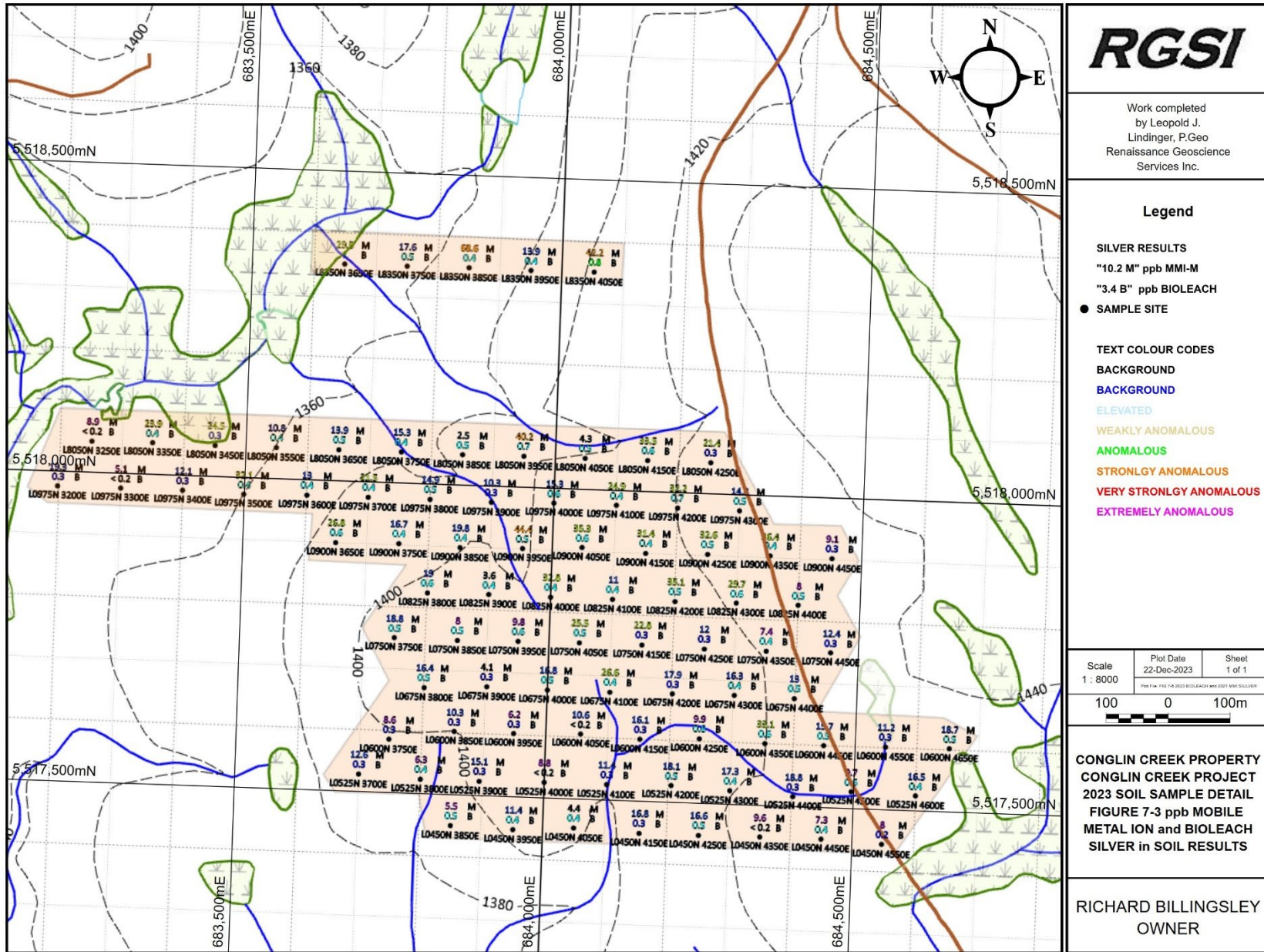
- GOLD RESULTS**
 "24.11 S" ppt Soil Gas Hydrocarbon
 "2.1 M" ppb MMI-M
 "0.06 B" ppb BIOLEACH
- SAMPLE SITE
 SAMPLE ID
- TEXT COLOUR CODES**
 BACKGROUND
 BACKGROUND
 ELEVATED
 WEAKLY ANOMALOUS
 ANOMALOUS
 STRONGLY ANOMALOUS
 VERY STRONGLY ANOMALOUS
 EXTREMELY ANOMALOUS

Scale 1 : 8000	Plot Date 22-Dec-2023	Sheet 1 of 1
100 0 100m		

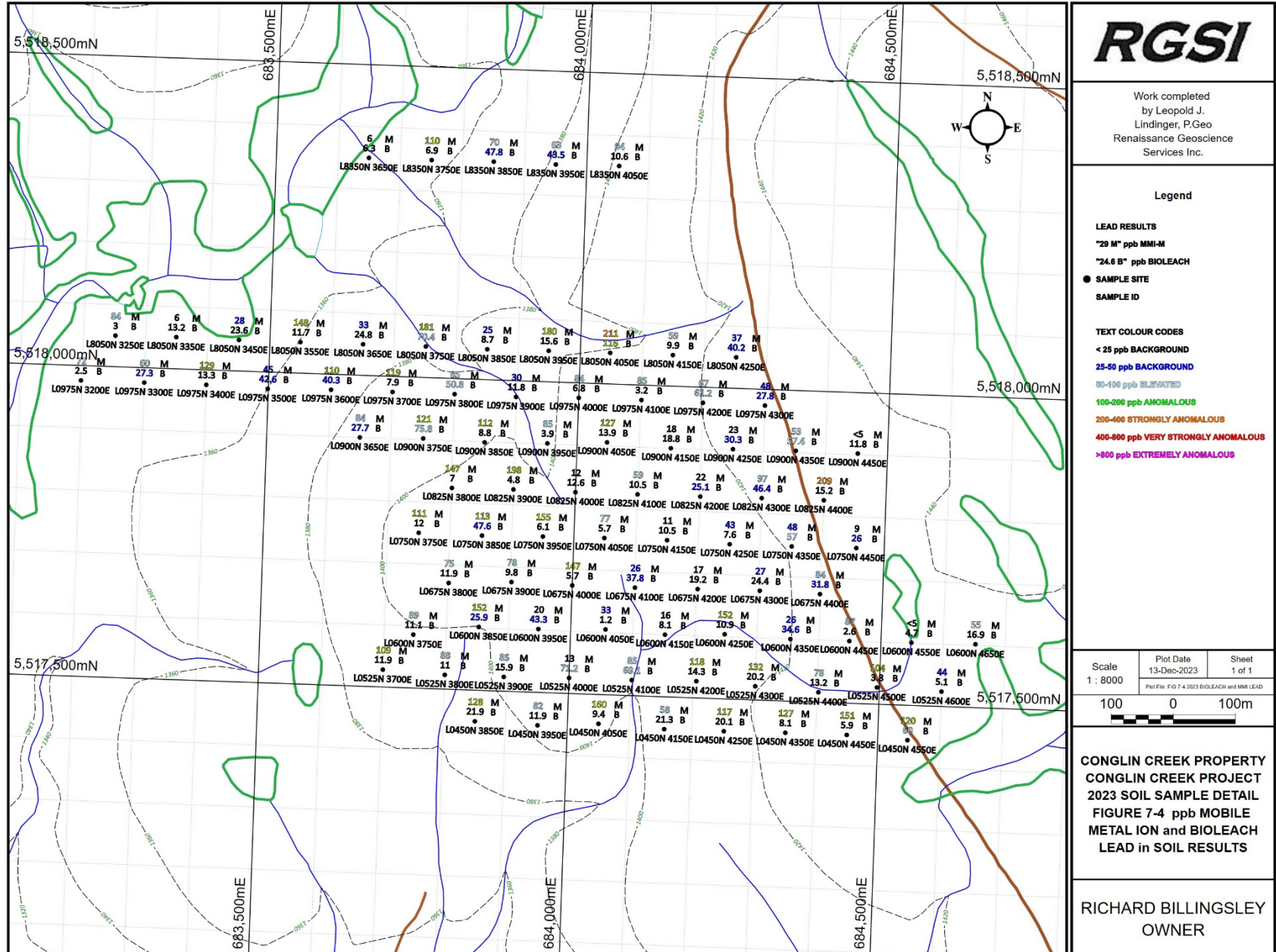
**CONGLIN CREEK PROPERTY
 CONGLIN CREEK PROJECT
 2023 SOIL SAMPLE DETAIL
 FIGURE 7-2 ppt SOIL GAS
 HYDROCARBON ppb MOBILE
 METAL ION and BIOLEACH
 GOLD in SOIL RESULTS**

**RICHARD BILLINGSLEY
 OWNER**

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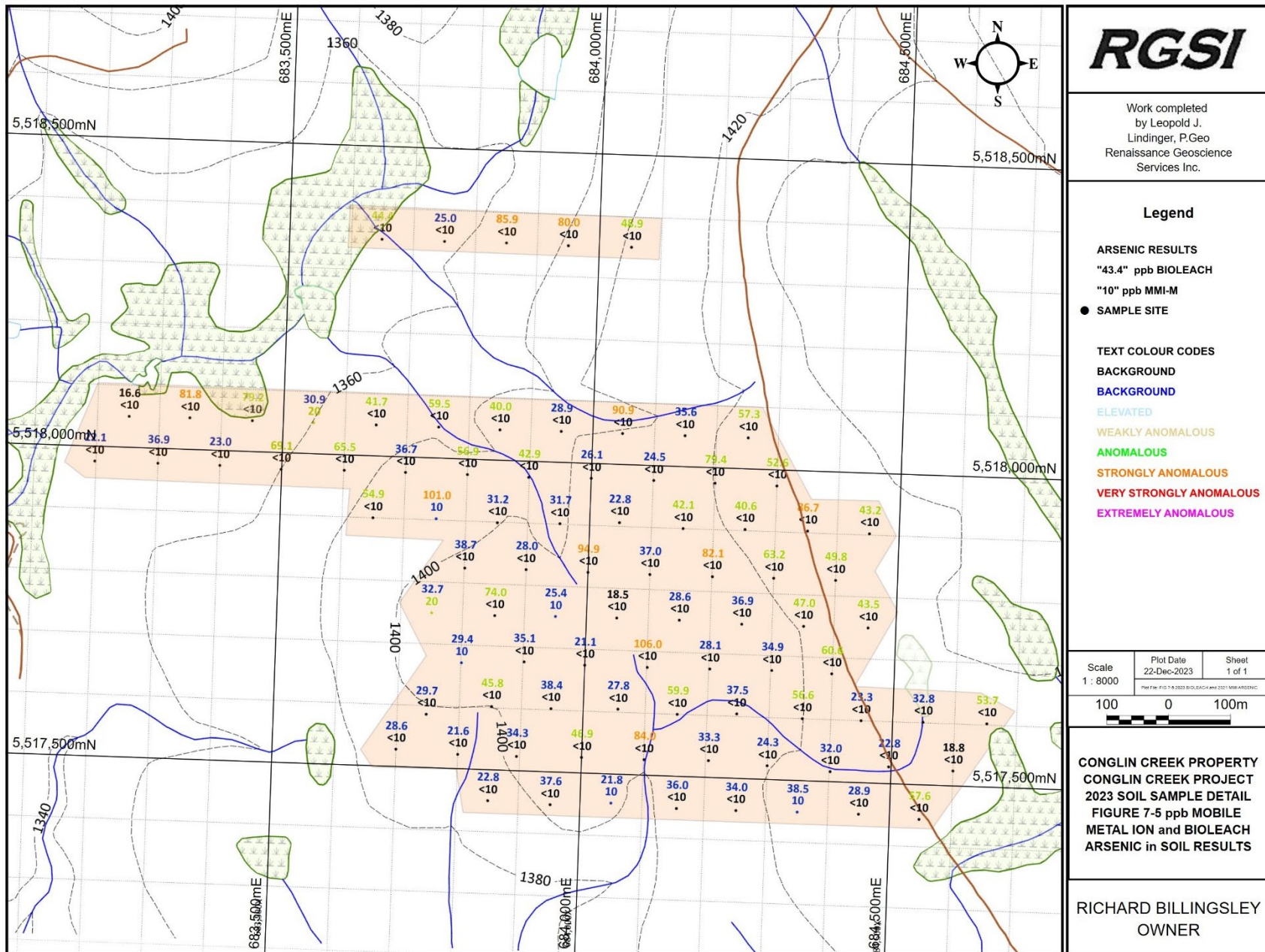


TABLE 7-2: 2023 EXPLORATION EXPENDITURES					
Exploration Work type	Comment	Days			Totals
Personnel (Name)* / Position	Field Days (list actual days)	Days	Rate	Subtotal*	
Lindinger, Project manager	Sept 06-10 2023	5	\$1,200.00	\$6,000.00	
				\$6,000.00	\$6,000.00
Office Studies	List Personnel (note - Office only, do not include field days)				
Literature search		0.9	\$1,000.00	\$ 900.00	
Database compilation		0.6	\$800.00	\$ 480.00	
Computer modelling and plotting		1.0	\$1,250.00	\$ 1,250.00	
General research			\$1,000.00	\$ -	
Report preparation		2.5	\$1,000.00	\$ 2,500.00	
Other (specify) rock sample imaging and descriptions		0.3	\$800.00	\$ 240.00	
				\$5,370.00	\$5,370.00
Ground Exploration Surveys	Area in Hectares/List Personnel				
Reconnaissance	Lindinger 2000 ha				
Prospect	Lindinger 2000 ha				
Geochemical Surveying	Number of Samples	Nb.	Rate	Subtotal	
Soil	BIOLEACH	85.0	\$47.00	\$3,995.00	
				\$3,995.00	\$3,995.00
Transportation		Nb.	Rate	Subtotal	
truck rental	3 days	3.00	\$125.00	\$375.00	
kilometers		1.00	\$240.00	\$240.00	
				\$615.00	\$615.00
Accommodation & Food	Rates per day				
Camp (self contained accomodation office trailer)	4 days at 250/day	2.00	\$250.00	\$500.00	
Meals	4 days at \$75/day	3.00	\$75.00	\$225.00	
				\$725.00	\$725.00
Equipment Rentals					
Field Gear GPS	3 days	3.00	\$10.00	\$30.00	
Iridium Satphone	5 days	5.00	\$25.00	\$125.00	
Other (Specify)					
				\$155.00	\$155.00
TOTAL Expenditures					\$16,860.00

SECTION 8 INTERPRETATION AND CONCLUSIONS

The CONGLIN CREEK property hosts, based on low level airborne magnetics (1969 and 2021), recent EM airborne conductivity and resistivity coverage, 2021 soil SGH, MMI and limited BIOLEACH gold, copper, and silver geochemistry and 2023 bedrock observations in 2 locations several alkalic gold - copper targets.

The manager in his examination of sample holes found that no site found was dug to the full depth recommended for MMI-M sampling therefor the MMI-M patterns in his opinion do not fully reflect the actual pattern that probably exists present on this project.

With regards to the various geochemical methods used the most coherent patterns were from soil gas hydrocarbon gold which generated several good clusters of anomalous samples that corresponded with underlying local magnetic lows suggestive of magnetite destructive hydrothermal alteration. The pattern is similar to the Heberlein study at Mt. Milligan over the gold rich MBX zone (Heberlein 2010 b). The 2023 limited Bioleach coverage in the central part

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of the property and 2021 soil coverage provided some supportive apical and apical and possible 'rabbit ear' bioleach copper patterns to the gold in SGH anomalies.

For copper there were no coherent strong apical anomaly clusters generated but possible rabbit ear donut anomalies. The reliability of copper (and all element) results and patterns for MMI-M were affected by damp and organic locations producing local very high results without supporting values in adjacent drier sites as well as being from a more limited sample profile than recommended based on based an after program review of many 2021 sample sites. There was in the south central area a moderate cluster of analytical multimethod copper with one of the gold targets generated.

Bioleach values in compared to MMI-M values for copper, and gold among others averaged less than 10% of the MMI-M values. A review of Bioleach results for arsenic and tungsten average substantially higher than MMI-M results. The value pattern from this limited area suggests that bioleach copper is less affected by variations in moisture and organics than the MMI-M method.

The degree of widespread carbonate including rhodochrosite alteration, epidote veining and alteration local barren pyrite mineralization and areas intense stockwork fracturing support the interpretation of a large lithocap overlying a heat source(s) that generated one or more overlapping large and robust hydrothermal system(s). These observations are supported by both drone magnetics, electrical conductivity and resistivity patterns.

Soil coverage is still incomplete with prospective ground to the west, north and east still requiring sampling and analyses to better provide the significance of the current findings.

Heberlein 2010 a and b described that careful AH sampling may be the best method to try in these environments. AH was not initially chosen due to the very extensive clearcut logging in the area. However there are patches of unlogged and logged areas with substantial preservation of the soil profile in areas of in particular anomalous SGH for gold hat warrant such sampling as a confirmation of the SGH results. At this time based on the methods both used and those providing success target delineation using the shallow AH and upper B (BF) horizons which appear to be less stringent than the MMI-M method are recommended for future target definition on the Conglin creek property. Resampling in already sampled and in extensions of the current grid onto other areas of the property for MMI-M is not currently recommended.

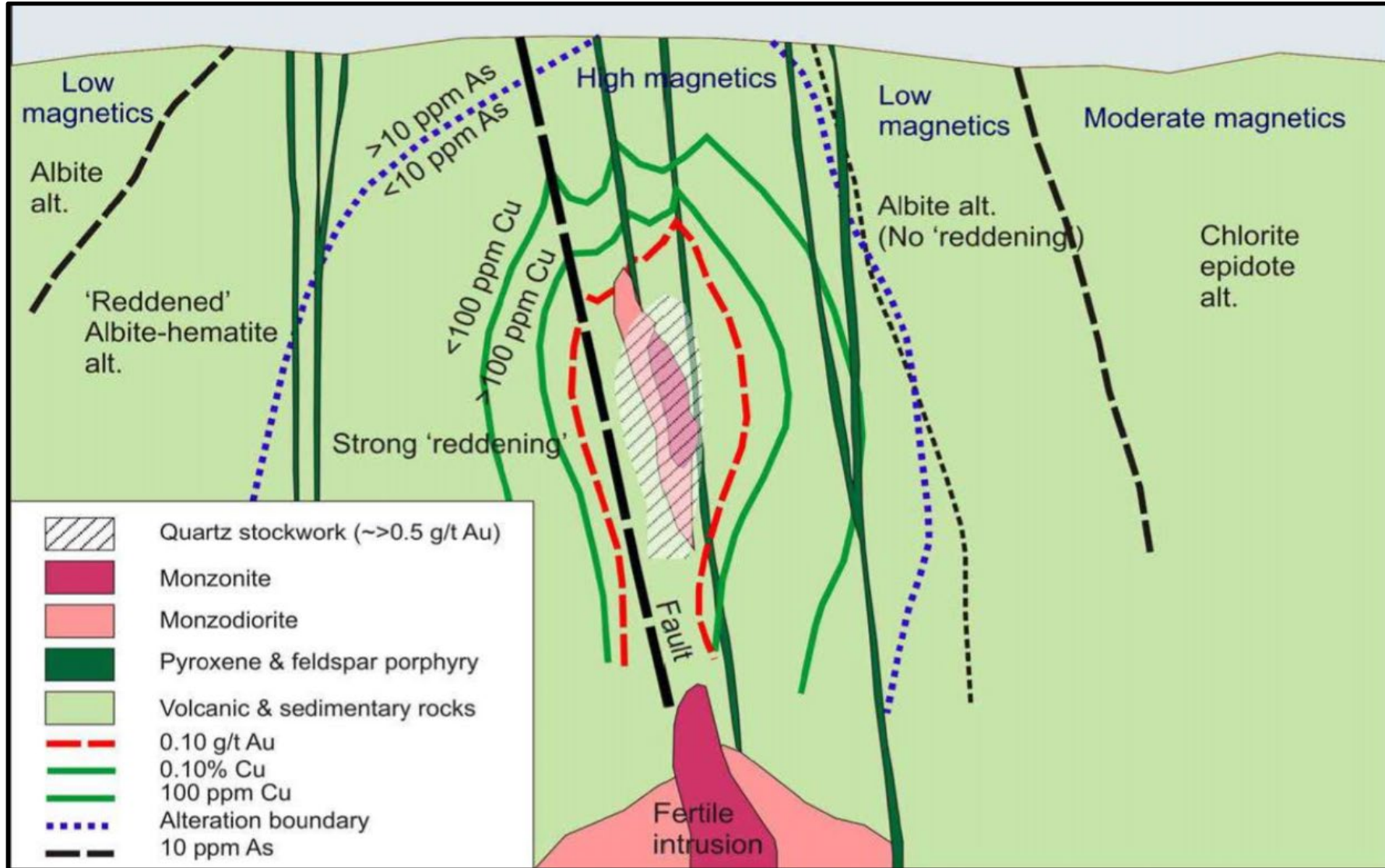


FIGURE 8-1: ALKALIC PORPHYRY GEOCHEMICAL AND GEOPHYSICAL SIGNATURES. (Source Devine)

The current level of erosion of the geophysical and geochemical alteration pattern in the figure is similar to the patterns seen on the Conglin creek property.

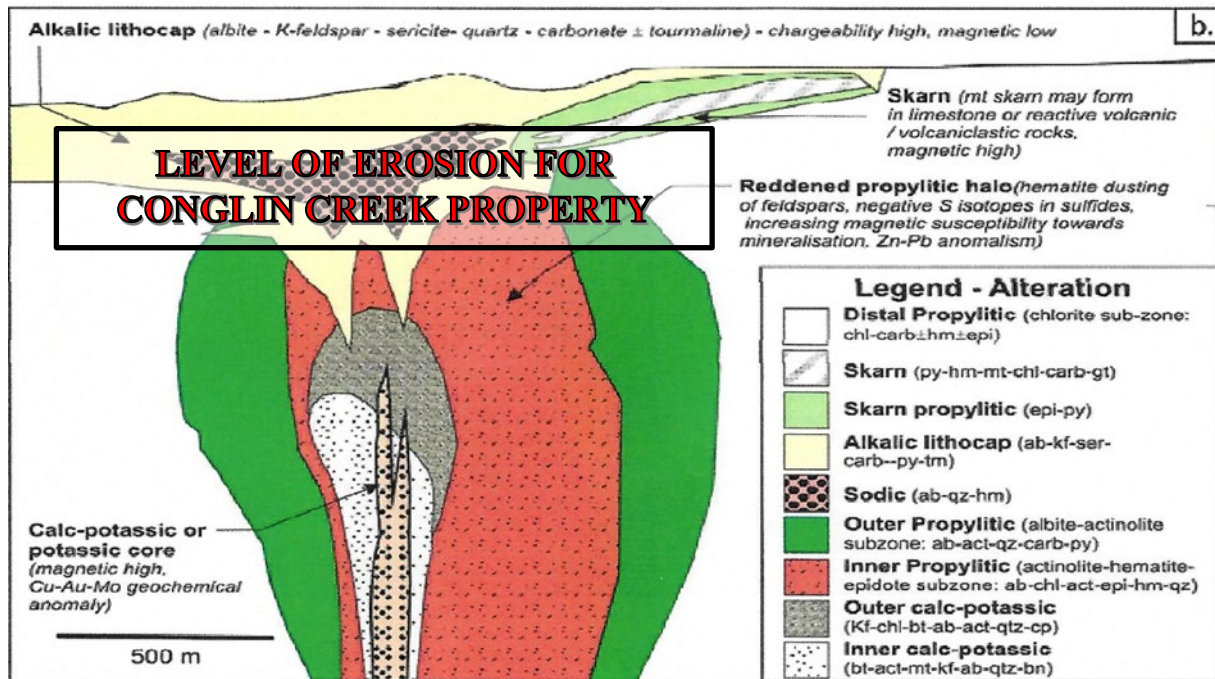


FIGURE 8-2: ALKALIC PORPHYRY MODEL AND CONGLIN CREEK EROSIONAL POSITIONS

SECTION 9 RECOMMENDATIONS

Additional work is recommended on the CONGLIN CREEK Project.

Based on the currently available data the following recommendations can be made. In including drilling this is budgeted at \$200,000.

The Conglin Creek property has not had until 2021 with Weicker’s airborne magnetic, resistivity and magneto telluric survey centered over the adjacent to the north “Copper View North property any known subsurface geophysics (IP etc.). This coverage extended onto the Conglin creek property to the Kodiak Copper boundary. This work generated many NNE trending multi-instrument geophysical anomalies extending from the most prospective porphyry copper-gold Kodiak Copper area onto and as Anomalies D and E through the Conglin creek property and as Anomaly D NNE through and beyond Vinson Lake. Weicker’s report concluded that anomaly D was the third most prospective target of the entire surveyed area of which the portion on the Conglin creek property is about 10%. Weicker’s report recommended an IP program with at least 500 metres depth penetration in the area of the 2021 soil survey centered over and extending northeast of the 2023 soil coverage area. Previously recommended in 2021 and again are an initial 4 EW lines are recommended and have been permitted for. These are 5517400N, 5517600, 1117900N from 682500E to 685000E and 5518600N from 683000E to 684500E. This program would cost at least \$50,000.00.

The are of Weicker’s Anomaly D on the property coincides with many geochemical anomalies with Soil Gas Hydrocarbon (SGH) gold anomalies seeming to generate the best possible apical

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anomaly clusters. The EW pattern of SGH copper (Lindinger, 2022) infers a possible EW mineralizing structural trend not recognized by the geophysics unless part of a very large set of overlapping EW trending rabbit ear anomalies separated by EW SGH copper low at 5517850 N. To further enhance geochemical target development in this area and based on Heberlein's work at Mt. Milligan and Kwanika the already sampled sites presented in the 2023 work plus a 150 metre extension to the E, W and N should be resampled using AH organic material with aqua regia digestion. If this work generates coherent anomalies complimenting the ones that generated the SGH gold (plus the recommended IP) this would enhance this targets validity as a drill target . Also recommended is analyzing the extensions using Actlabs Bioleach analyses especially to the north. This phase would cost at least \$35,000.

As this property is considered a 'lithocap' level of erosion with large areas moderate to intense "distal" chlorite-carbonate-epidote+/-hematite alteration already noted. The exception is the pyrite mineralized body directly in the center of portion of Weicker's anomaly D on the property. To complete this coverage recommended is a property wide geological bedrock and float mapping program with careful recording of alteration to further determine if portions of the property are displaying the most intense lithocap indicators. This stage is budgeted at \$20,000.

The following targets are generated from the current state of knowledge on the property.

The 2023 targets for copper are presented in Figure 9-1. Removing the high organics samples reporting over 9000 ppb MMI copper, and > 800 ppt SGH COPPER did not generate any 'booming' anomalies. However Target A is a weak anomalous concentration of all three analytical types. It also coincides with Gold Target D. Target B also a cluster of anomalous copper in all analytical methods is in an area of damp soils and the significance of this grouping is unknown.

The 2023 targets for gold is presented overlying reduced to pole magnetics (Figure 9-2a), 1274Hz conductivity (Figure 9-2b) and -400m resistivity (Figure 9-2c). Target A is a coherent cluster of > 60 ppt gold up to 112 ppt. This area is a topographically positive well drained area with deep overburden. No outcrop was located. Target B (in permitting stage) is a positive topographic feature with a coherent cluster of > 60 ppt SGH gold up to 95 ppt. Target C is also a cluster of > 60 ppt gold at the NE corner of the area up to 110 ppt. Outcrops in the area are of an extensively carbonate altered heterolithic breccia. The breccia hosts small, massive sulphide fragments. Target D is at the southeast central part of the 2021 sampled area and is a loose cluster of ENE trending > 60 ppt gold up to 105 and 104 ppt. There are smaller either lower values clusters or single sample highs. The bioleach and MMI-M gold anomalies do not coincide at all with the SGH ones. All targets occur beside or overly distinct magnetic lows, local resistivity high and conductivity lows.

The strong MMI silver anomaly at the extreme NW corner of the 2021 sampled area and that coincides with extensive and strong bedrock carbonate alteration-bleaching with pyrolusite coatings requires follow up. This is a classic distal lithocap signature. As this area extends from the area examined in 2023 and is shallowly covered, conventional soil sampling is also recommended here plus AH if possible sampling.

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In the opinion of the author there are currently three targets based primarily on SGH gold results supported by magnetic and conductivity features that currently warrant first pass drill testing. Recommended are 2 holes targeting targets A and B as presented in Figure 9-1 in Appendix D below. Target A especially centered at UTM Z 10 682950E 5517500 N has a 3 sample SHG gold anomaly flanking a magnetic high to the east and low to the west. Target B to the east is a combined cluster of SGH gold and MMI-M copper anomaly centered at UTM Z 10 683950E 5517800 N. Drill testing these targets to an at least 300 metres depth is recommended. The cost for this estimated at \$95,000. Target C is the third valid target. Target D may be an eastward extension of target B. Targets A to C are within Weicker's Anomaly "D"

Other targets.

The high magnetite with anomalous vanadium in the eastern part of the property requires additional work, primarily rock sampling to determine its vanadium potential. This area is Weicker's anomaly E and should not be considered a porphyry style target but a possible ultramafic vanadium-nickel PGE target. The stage is budgeted at \$10,000.

Following positive results of the stage 2 geochemistry, IP and hopefully positive drilling results a minimum \$500,000 program of additional drill testing of these and Targets C and D among others generated would be recommended.

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For Richard Billingsley.

December 29, 2023

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For Richard Billingsley.

December 29, 2023

CERTIFICATE

Leopold Joseph Lindinger, P.Geol.
680 Dairy Road, Kamloops, B.C. V2B-8N5
Tel/text. 250-319 0717
Email lejoilindinger@gmail.com

HEREBY DO CERTIFY THAT:

1. I, Leopold Joseph Lindinger, P.Geol. of 680 Dairy Road, Kamloops, B.C..
2. I graduated in 1980 from the University of Waterloo, Ontario with a Bachelor of Sciences (BSc) in Honours Earth Sciences.
3. I am a member in good standing as a Professional Geoscientist (#19155) with the Association of Professional Engineers and Geoscientists of the Province of British Columbia since 1992.
4. I have worked continuously as a geoscientist since graduating in 1980.
5. I am responsible for presenting the exploration results, conclusions and recommendations made and presented in the “**Geophysical and Geochemical Assessment Report on the CONGLIN CREEK Property**” .

Dated this 29 Day of December 2023.

Leopold J. Lindinger, P. Geol.

Leopold J. Lindinger, P.Geol.

APPENDIX A
ANALYTICAL RESULT CERTIFICATE



Renaissance Geosciences
680 Dairy Road
Kamloops B.C. V2B8N5
Canada

Report No.: A21-19615
Report Date: 18-Oct-23
Date Submitted: 18-Oct-21
Your Reference: Conglin Creek

ATTN: Leo Lindinger

CERTIFICATE OF ANALYSIS

614 Soil samples were submitted for analysis.

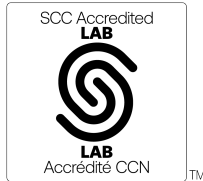
The following analytical package(s) were requested:		Testing Date:
7-Bioleach	Bioleach ICPMS	2023-08-21 15:55:03
SGH	Soil Gas Hydrocarbons	

REPORT A21-19615

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Refer to the Scope of Accreditation for information on accredited elements.



LabID: 266

CERTIFIED BY:

Mark Vandergeest
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A21-19615

Analyte Symbol	Al	Ca	Fe	K	Mg	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.5	5	1	5	2	0.2	0.5	0.05	1	0.07	0.1	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	0.1	0.03
Method Code	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS
L450N 3850	294	60	104	21	12	0.5	22.8	< 0.05	642	7.81	< 0.1	170	1.23	165	37.0	76	< 0.01	124	12.7	6.27	3.72	21.2	16.0
L450N 3950	187	320	104	48	47	0.4	37.6	< 0.05	1300	7.78	< 0.1	137	1.80	130	17.6	68	< 0.01	138	9.95	4.65	2.69	18.7	10.9
L450N 4050	259	81	69	18	16	0.4	21.8	< 0.05	631	8.53	< 0.1	179	0.76	210	16.8	56	< 0.01	93.0	15.5	7.74	4.60	22.6	19.0
L450N 4150	198	154	127	31	36	0.3	36.0	< 0.05	689	6.87	< 0.1	124	1.00	110	19.3	81	< 0.01	91.4	8.83	4.44	2.54	22.7	10.9
L450N 4250	336	200	187	24	36	0.5	34.0	< 0.05	1760	12.2	0.2	170	0.92	180	21.6	100	< 0.01	138	16.4	8.33	4.96	27.0	20.1
L450N 4350	233	80	81	57	25	< 0.2	38.5	< 0.05	1180	9.60	0.2	81	0.63	313	10.8	49	< 0.01	73.5	20.8	10.2	6.68	25.6	26.4
L450N 4450	311	96	113	27	23	0.4	28.9	< 0.05	690	11.3	< 0.1	245	1.88	229	20.9	78	< 0.01	156	21.2	11.0	6.32	24.6	26.0
L450N 4550	284	489	222	32	88	0.2	57.6	< 0.05	4680	14.7	0.3	134	3.87	499	58.9	125	< 0.01	409	49.5	26.4	15.2	35.6	61.8
L525N 3700	240	90	96	34	19	0.3	28.6	< 0.05	748	7.35	< 0.1	149	0.47	178	22.3	62	< 0.01	123	14.5	7.15	3.93	21.7	17.0
L525N 3800	269	175	101	35	28	0.4	21.6	< 0.05	876	10.9	0.1	228	1.58	256	29.0	74	< 0.01	159	20.9	10.5	6.13	22.2	26.0
L525N 3900	241	257	115	30	34	0.3	34.3	< 0.05	1240	8.94	0.1	133	1.74	136	20.4	69	< 0.01	108	11.4	5.50	3.42	25.3	13.3
L525N 4000	236	944	205	23	166	< 0.2	46.9	< 0.05	4030	16.8	0.3	134	3.38	468	103	166	< 0.01	299	30.8	15.8	9.74	18.8	39.4
L525N 4100	456	194	479	19	40	0.3	84.0	< 0.05	3840	18.6	1.0	363	1.78	216	71.5	328	< 0.01	285	17.1	8.26	5.25	52.5	19.9
L525N 4200	318	180	98	23	25	0.5	33.3	< 0.05	1400	12.1	0.1	259	1.31	205	13.6	53	< 0.01	138	22.3	11.6	6.82	37.2	27.9
L525N 4300	258	93	90	51	20	0.4	24.3	< 0.05	842	7.99	0.2	168	1.84	138	18.8	44	< 0.01	111	11.7	5.99	3.37	22.9	13.2
L525N 4400	306	42	126	33	17	0.3	32.0	< 0.05	731	8.75	0.1	222	3.61	182	22.3	80	< 0.01	130	15.4	7.49	4.63	26.4	17.8
L525N 4500	174	278	67	48	36	0.6	22.8	< 0.05	1120	10.00	< 0.1	206	1.65	210	8.7	33	< 0.01	211	20.6	10.8	6.13	19.3	23.9
L525N 4600	175	85	49	22	20	0.4	18.8	< 0.05	716	8.23	< 0.1	113	1.71	126	6.8	22	< 0.01	67.4	11.5	5.49	3.06	22.9	12.8
L600N 3750	206	135	95	41	31	0.3	29.7	< 0.05	1080	7.99	< 0.1	211	0.80	195	14.3	53	< 0.01	133	19.2	9.75	5.76	23.5	23.0
L600N 3850	369	126	210	18	22	0.3	45.8	< 0.05	1790	15.8	0.3	290	0.95	425	21.4	128	< 0.01	281	41.7	19.4	13.3	29.2	51.0
L600N 3950	152	679	192	26	151	0.3	38.4	< 0.05	5200	20.4	0.3	135	3.42	582	63.4	97	< 0.01	292	48.6	24.7	15.2	16.9	59.7
L600N 4050	110	219	40	30	28	< 0.2	27.8	< 0.05	1240	6.41	< 0.1	118	0.79	148	6.9	22	< 0.01	68.7	11.6	5.75	3.49	17.4	13.9
L600N 4150	82.7	1230	81	14	506	0.3	59.9	0.11	3230	20.4	< 0.1	908	9.94	130	13.6	73	< 0.01	1140	77.1	44.9	24.8	7.8	93.2
L600N 4250	267	198	109	28	38	0.6	37.5	< 0.05	1370	13.5	< 0.1	203	1.97	228	12.2	48	< 0.01	128	24.7	13.3	7.45	30.6	29.0
L600N 4350	194	1280	163	22	340	0.6	56.6	< 0.05	7490	28.3	0.5	412	6.57	368	16.4	122	< 0.01	957	145	80.2	45.2	30.5	177
L600N 4450	136	189	42	20	38	0.5	23.3	< 0.05	2720	11.0	< 0.1	161	0.91	232	4.9	27	< 0.01	100.0	25.6	13.9	7.99	16.7	31.2
L600N 4550	56.5	986	76	10	229	0.3	32.8	< 0.05	5790	18.3	< 0.1	181	2.45	744	15.3	66	< 0.01	567	114	61.1	35.4	9.9	141
L600N 4650	229	372	155	23	101	0.5	53.7	< 0.05	3010	14.1	0.2	212	1.73	238	10.5	89	< 0.01	217	32.6	17.8	9.73	24.7	37.2
L675N 3800	264	175	106	37	32	0.5	29.4	< 0.05	1770	11.8	< 0.1	164	1.86	397	24.6	72	< 0.01	156	29.0	13.8	8.59	22.9	33.3
L675N 3900	279	276	120	27	59	0.3	35.1	< 0.05	2680	17.2	0.2	262	1.40	283	12.9	83	< 0.01	149	30.0	15.7	9.13	24.3	37.5
L675N 4000	193	113	57	33	19	0.5	21.1	< 0.05	806	8.24	< 0.1	169	1.87	184	13.0	35	< 0.01	91.9	14.6	7.54	4.19	23.7	18.0
L675N 4100	247	857	298	23	255	0.4	106	0.06	5290	25.2	0.6	242	5.91	589	39.8	203	< 0.01	1320	194	108	58.4	22.2	230
L675N 4200	64.4	698	88	23	150	0.3	28.1	< 0.05	6020	11.1	0.2	131	2.32	283	11.9	49	< 0.01	353	48.2	25.3	14.6	11.8	59.2
L675N 4300	79.2	595	145	20	188	0.4	34.9	< 0.05	5060	16.1	0.3	106	2.36	312	30.1	99	< 0.01	305	57.0	29.1	17.5	13.7	68.5
L675N 4400	291	429	218	28	104	0.5	60.6	< 0.05	4320	19.5	0.4	189	1.56	300	19.2	136	< 0.01	235	37.0	19.4	11.4	33.4	43.7
L750N 3750	249	141	118	14	35	0.5	32.7	< 0.05	1500	10.8	0.1	132	1.07	147	21.0	81	< 0.01	105	12.7	6.22	3.39	26.1	14.0
L750N 3850	394	328	302	23	90	0.5	74.0	< 0.05	4860	21.1	0.6	114	0.65	563	36.0	255	< 0.01	444	66.6	33.4	20.3	37.2	79.4
L750N 3950	224	104	68	31	17	0.6	25.4	< 0.05	960	8.39	< 0.1	198	1.37	166	12.0	40	< 0.01	91.8	12.8	6.55	3.80	25.3	15.7
L750N 4050	168	240	51	17	41	0.5	18.5	< 0.05	1020	9.68	< 0.1	220	1.53	228	13.9	20	< 0.01	142	19.8	10.2	6.31	24.3	24.8
L750N 4150	89.9	902	94	13	197	0.3	28.6	< 0.05	4860	16.0	< 0.1	149	1.92	374	8.8	56	< 0.01	459	59.6	31.2	19.7	10.8	77.3
L750N 4250	80.6	1020	91	11	191	0.3	36.9	< 0.05	4040	16.5	< 0.1	179	2.42	395	8.2	45	< 0.01	465	60.1	31.8	19.3	8.0	80.1
L750N 4350	221	1500	134	24	264	0.4	47.0	< 0.05	7070	27.4	0.6	219	5.90	647	32.3	102	< 0.01	1010	156	79.0	46.3	37.9	186
L750N 4450	121	770	165	16	167	0.3	43.5	0.05	4660	17.2	0.3	171	3.14	479	18.2	117	< 0.01	336	56.6	29.0	16.8	19.5	70.7
L900N 3650	410	208	166	33	45	0.6	54.9	< 0.05	1730	15.6	0.2	223	3.31	244	24.5	111	< 0.01	154	22.8	11.2	6.21	38.0	26.1
L900N 3750	382	451	369	27	156	0.4	101	0.05	5520	24.7	0.9	185	1.18	332	51.6	241	< 0.01	483	42.8	21.8	12.8	50.5	50.8
L900N 3850	198	186	48	22	21	0.4	31.2	< 0.05	913	8.21	< 0.1	198	1.59	149	11.4	27	< 0.01	98.5	13.6	6.87	3.86	30.9	16.7
L900N 3950	190	151	39	16	41	0.5	31.7	< 0.05	773	8.77	< 0.1	227	1.71	113	10.1	18	< 0.01	79.5	9.80	4.93	2.79	31.8	11.7
L900N 4050	279	170	80	36	38	0.6	22.8	< 0.05	672	10.2	< 0.1	232	1.96	210	22.2	41	< 0.01	155	15.8	7.54	5.07	40.5	20.5
L900N 4150	84.6	1320	68	20	298	0.4	42.1	0.05	3790	14.1	0.2	162	5.41	256	9.4	50	< 0.01	557	61.3	32.4	18.5	12.2	77.1
L900N 4250	122	1090	82	21	241	0.5	40.6	0.05	5560	19.5	0.3	171	7.29	371	14.7	81	< 0.01	613	107	57.0	30.9	20.8	124

Results

Activation Laboratories Ltd.

Report: A21-19615

Analyte Symbol	Al	Ca	Fe	K	Mg	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.5	5	1	5	2	0.2	0.5	0.05	1	0.07	0.1	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	0.1	0.03
Method Code	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS
L900N 4350	171	718	240	23	180	0.4	86.7	< 0.05	4400	13.6	0.4	164	6.41	250	34.3	180	< 0.01	387	43.9	25.1	12.8	24.8	51.1
L900N 4450	49.2	790	64	14	143	0.3	43.2	< 0.05	6120	7.44	0.1	104	1.57	287	10.3	55	< 0.01	306	60.6	33.0	17.6	9.8	73.8
L975N 3200	135	185	25	15	23	0.3	22.1	< 0.05	882	6.64	< 0.1	171	1.50	83.8	8.8	13	< 0.01	68.7	7.96	3.87	2.38	23.0	9.70
L975N 3300	160	517	144	17	118	< 0.2	36.9	< 0.05	4010	12.8	0.2	182	2.55	244	15.2	87	< 0.01	169	22.8	11.8	6.43	14.0	27.9
L975N 3400	227	80	67	28	15	0.3	23.0	< 0.05	580	6.42	< 0.1	196	1.18	185	16.8	55	< 0.01	94.5	15.1	7.23	4.35	28.4	18.0
L975N 3500	174	735	155	22	294	0.4	69.1	0.07	4440	21.8	0.5	149	2.94	723	45.9	178	< 0.01	838	121	65.9	36.5	24.9	149
L975N 3600	496	215	256	20	53	0.4	65.5	< 0.05	4040	21.5	0.6	219	1.56	318	39.0	201	< 0.01	179	31.8	15.7	8.90	50.4	36.0
L975N 3700	299	268	92	39	45	0.4	36.7	0.05	760	10.1	< 0.1	293	1.92	180	16.7	48	< 0.01	169	18.7	9.61	5.60	42.8	23.7
L975N 3800	356	299	266	17	82	0.5	56.9	0.09	6370	24.2	0.6	157	1.76	586	24.3	161	0.03	237	65.2	35.8	21.3	43.3	83.0
L975N 3900	87.8	1210	90	24	383	0.3	42.9	0.09	1550	14.3	< 0.1	766	6.45	113	7.7	31	< 0.01	839	25.1	14.2	7.52	5.5	31.7
L975N 4000	248	162	51	39	42	0.6	26.1	< 0.05	888	10.6	< 0.1	208	2.53	299	9.5	20	< 0.01	122	23.0	10.3	7.05	33.9	27.9
L975N 4100	192	192	49	18	57	0.4	24.5	< 0.05	1170	8.62	< 0.1	245	1.57	176	10.0	35	< 0.01	109	17.9	8.88	5.58	29.0	23.4
L975N 4200	335	812	255	27	202	0.7	79.4	< 0.05	9200	19.4	0.9	151	2.72	317	18.1	162	< 0.01	518	77.2	42.6	22.7	50.4	94.7
L975N 4300	131	1000	134	18	210	0.5	52.6	0.06	5970	18.3	0.3	132	3.81	385	17.9	125	< 0.01	685	127	64.9	37.9	22.0	151
L8050N 3250	157	99	28	21	18	< 0.2	16.6	< 0.05	1010	5.60	< 0.1	264	0.85	155	5.4	17	< 0.01	43.4	12.2	5.91	3.55	29.6	15.9
L8050N 3350	59.0	1350	62	7	257	0.4	81.8	0.06	2390	38.2	< 0.1	531	2.67	144	3.7	168	< 0.01	1570	88.8	45.9	28.6	5.2	121
L8050N 3450	144	1070	136	17	427	0.3	79.2	0.11	3010	36.3	0.3	546	10.3	335	17.0	135	< 0.01	1790	197	109	59.8	17.9	246
L8050N 3550	201	491	88	19	32	0.4	30.9	< 0.05	857	8.79	< 0.1	168	3.16	274	12.3	53	< 0.01	169	21.5	10.3	6.14	24.1	26.1
L8050N 3650	98.0	1130	101	13	323	0.5	41.7	0.08	3910	22.6	0.2	234	5.38	361	17.3	103	< 0.01	987	131	73.0	38.0	18.3	156
L8050N 3750	374	305	300	12	95	0.4	59.5	< 0.05	5830	20.0	0.7	173	1.02	370	21.6	171	1.16	260	45.3	22.9	14.8	54.5	56.0
L8050N 3850	108	1180	48	14	422	0.5	40.0	0.11	817	26.3	< 0.1	778	3.93	104	4.6	21	< 0.01	865	53.2	27.7	16.4	6.5	68.4
L8050N 3950	307	51	64	11	12	0.7	28.9	0.05	1030	13.0	< 0.1	350	1.02	216	18.1	42	< 0.01	122	19.8	10.2	6.07	34.2	24.0
L8050N 4050	450	477	391	19	256	0.5	90.9	0.08	7350	35.0	1.1	249	3.26	875	90.4	290	0.03	931	83.3	41.8	25.2	55.9	99.3
L8050N 4150	270	221	85	31	77	0.6	35.6	< 0.05	1100	10.0	< 0.1	121	1.93	203	13.2	36	< 0.01	187	19.4	10.1	6.01	36.4	24.2
L8050N 4250	155	1320	99	25	308	0.3	57.3	0.06	9840	19.1	0.4	195	3.96	397	19.7	98	< 0.01	701	75.5	42.6	22.1	29.7	87.5
L8350N 3650	123	1070	61	11	270	1.0	44.4	0.10	1270	40.8	< 0.1	447	7.84	486	9.9	46	< 0.01	1630	116	58.3	41.9	16.0	167
L8350N 3750	175	97	26	12	15	0.5	25.0	< 0.05	941	8.64	< 0.1	247	1.23	180	8.6	19	< 0.01	76.9	15.1	7.23	4.61	24.9	19.0
L8350N 3850	350	417	239	17	96	0.4	85.9	0.06	5220	22.9	0.5	164	2.52	475	13.8	132	2.13	354	52.3	29.6	16.6	42.5	65.6
L8350N 3950	236	494	255	21	152	0.4	80.0	< 0.05	4460	17.7	0.4	166	2.38	224	33.0	168	< 0.01	308	38.8	20.4	11.9	36.5	47.7
L8350N 4050	297	268	90	26	93	0.8	48.9	0.06	1630	13.5	< 0.1	231	2.34	202	12.9	48	< 0.01	213	36.6	19.9	11.2	28.5	45.0
L825N 3800	302	138	108	21	34	0.6	38.7	< 0.05	1300	12.9	< 0.1	215	1.93	249	15.4	75	< 0.01	152	26.0	13.3	7.66	31.1	31.8
L825N 3900	227	129	64	25	28	0.4	28.0	< 0.05	1140	9.31	< 0.1	170	1.38	218	11.2	42	< 0.01	97.0	16.7	8.24	4.88	29.8	21.1
L825N 4000	109	1190	145	15	392	0.4	94.9	0.13	2940	50.6	0.2	642	4.98	729	14.7	94	< 0.01	3440	355	186	118	9.1	476
L825N 4100	278	172	94	25	49	0.4	37.0	< 0.05	1720	15.4	< 0.1	246	1.25	245	15.1	56	< 0.01	149	24.6	12.6	7.33	32.8	30.4
L825N 4200	155	1310	123	17	311	0.5	82.1	< 0.05	5240	22.2	0.3	501	6.91	409	23.6	94	< 0.01	1480	103	58.5	31.3	21.5	129
L825N 4300	456	185	293	27	68	0.6	63.2	< 0.05	3630	18.3	0.6	215	1.62	201	44.0	186	< 0.01	201	23.7	11.5	7.07	47.9	27.2
L825N 4400	311	170	130	23	45	0.5	49.8	< 0.05	1530	13.9	0.2	269	0.93	190	14.3	78	< 0.01	122	17.0	8.10	5.08	29.4	19.4

Results

Activation Laboratories Ltd.

Report: A21-19615

Analyte Symbol	Ge	Hf	Hg	Ho	I	In	La	Li	Lu	Mn	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.05	0.04	0.05	0.01	1	0.1	0.01	0.2	0.01	0.1	2	0.2	0.03	0.2	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5
Method Code	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS
L450N 3850	0.58	7.82	0.45	2.21	92	0.3	57.7	< 0.2	0.63	10600	9	4.4	73.4	15.3	21.9	< 0.5	16.5	< 0.5	29.3	< 0.01	< 0.05	0.6	38.7
L450N 3950	0.49	9.23	0.60	1.64	71	0.2	41.0	< 0.2	0.54	15000	7	7.3	47.7	13.9	11.9	< 0.5	11.1	< 0.5	36.2	< 0.01	< 0.05	0.8	54.7
L450N 4050	0.72	8.43	0.54	2.59	109	0.2	72.2	< 0.2	0.82	6740	10	3.8	91.7	8.1	9.4	< 0.5	20.8	< 0.5	28.4	< 0.01	< 0.05	0.6	43.8
L450N 4150	0.46	7.35	0.38	1.58	70	0.2	38.8	< 0.2	0.48	3310	11	7.5	49.1	13.0	21.3	< 0.5	11.0	< 0.5	27.4	0.01	< 0.05	0.7	34.1
L450N 4250	1.07	9.15	0.44	2.86	97	0.3	67.9	< 0.2	0.94	2780	10	10.2	87.9	13.0	20.1	< 0.5	19.8	< 0.5	31.5	< 0.01	< 0.05	0.7	48.0
L450N 4350	0.36	10.2	0.29	3.48	57	0.2	102	< 0.2	1.16	2680	14	7.6	129	< 0.2	8.1	< 0.5	29.5	< 0.5	43.1	< 0.01	< 0.05	0.7	67.9
L450N 4450	0.88	8.67	0.65	3.79	116	0.2	84.2	< 0.2	1.35	1890	13	4.0	121	8.2	5.9	< 0.5	26.3	< 0.5	39.9	< 0.01	< 0.05	0.6	61.3
L450N 4550	2.59	11.8	0.17	8.85	108	0.4	216	7.2	3.01	24200	9	9.7	276	37.9	60.0	< 0.5	58.6	< 0.5	39.6	0.01	< 0.05	1.3	118
L525N 3700	0.60	9.33	0.32	2.49	79	0.2	56.4	< 0.2	0.88	5830	9	4.8	75.9	8.2	11.9	< 0.5	17.1	< 0.5	28.5	< 0.01	< 0.05	0.5	54.6
L525N 3800	1.02	8.55	0.61	3.50	110	0.2	93.3	< 0.2	1.21	7380	10	4.2	123	18.7	11.0	< 0.5	27.2	< 0.5	44.3	0.01	< 0.05	0.7	51.0
L525N 3900	0.84	9.43	0.26	1.91	77	0.3	50.0	< 0.2	0.69	8710	8	7.3	60.1	4.8	15.9	< 0.5	13.9	< 0.5	29.3	< 0.01	< 0.05	0.7	43.7
L525N 4000	1.99	12.7	0.34	5.46	72	0.3	168	7.9	1.79	17600	11	16.0	190	66.4	71.2	< 0.5	43.1	< 0.5	19.3	< 0.01	< 0.05	0.9	66.4
L525N 4100	2.07	12.5	0.69	3.04	114	0.6	66.7	8.2	0.82	2310	13	21.8	84.7	45.1	69.1	< 0.5	18.8	< 0.5	19.0	< 0.01	< 0.05	1.2	61.1
L525N 4200	1.15	10.8	0.37	3.89	137	0.2	88.5	< 0.2	1.36	3580	13	6.6	125	1.7	14.3	< 0.5	27.6	< 0.5	35.7	< 0.01	< 0.05	1.3	53.2
L525N 4300	0.22	10.4	0.66	1.97	79	0.2	49.3	< 0.2	0.65	14400	10	6.3	62.6	16.0	20.2	< 0.5	14.4	< 0.5	54.5	< 0.01	< 0.05	0.5	33.6
L525N 4400	0.39	9.42	0.69	2.68	74	0.3	63.5	< 0.2	0.74	17300	9	7.0	84.2	8.3	13.2	< 0.5	18.9	< 0.5	56.2	0.01	< 0.05	0.7	44.0
L525N 4500	0.70	8.07	0.57	3.54	119	0.1	86.6	< 0.2	1.26	5360	12	3.8	113	0.5	3.8	< 0.5	25.0	< 0.5	36.0	0.02	< 0.05	1.3	56.1
L525N 4600	0.38	6.89	0.55	1.82	75	< 0.1	45.6	< 0.2	0.62	7010	9	3.1	59.5	0.3	5.1	< 0.5	13.5	< 0.5	37.8	0.01	< 0.05	0.5	36.7
L600N 3750	< 0.05	9.00	0.38	3.13	112	0.2	82.9	< 0.2	1.05	3300	13	6.1	108	10.5	11.1	< 0.5	23.9	< 0.5	35.6	< 0.01	< 0.05	1.1	50.5
L600N 3850	0.84	17.0	0.53	6.97	148	0.4	187	0.7	1.95	1320	14	13.9	238	7.8	25.9	< 0.5	53.3	< 0.5	28.5	< 0.01	< 0.05	1.2	64.1
L600N 3950	1.34	12.8	0.68	8.37	81	0.4	240	3.0	2.70	16700	8	15.5	276	32.2	43.3	< 0.5	62.5	< 0.5	10.0	0.01	< 0.05	0.9	69.3
L600N 4050	0.14	5.88	0.45	1.96	80	0.1	55.9	< 0.2	0.63	3280	8	2.4	67.7	< 0.2	1.2	< 0.5	15.3	< 0.5	32.8	< 0.01	< 0.05	0.6	38.5
L600N 4150	1.14	14.7	0.60	14.2	549	0.1	221	7.7	6.18	6810	14	5.5	338	77.2	8.1	0.6	66.8	< 0.5	17.6	0.13	< 0.05	2.3	151
L600N 4250	1.02	13.0	0.54	4.27	129	0.2	94.4	< 0.2	1.41	7320	9	8.1	127	< 0.2	10.9	< 0.5	28.4	< 0.5	46.3	< 0.01	< 0.05	0.8	65.5
L600N 4350	2.04	26.3	0.79	25.8	362	0.3	479	10.9	9.99	11000	10	14.2	681	63.9	34.6	< 0.5	138	< 0.5	37.2	0.10	< 0.05	2.6	279
L600N 4450	0.58	8.43	0.64	4.49	138	0.1	115	0.6	1.52	2980	6	2.8	152	< 0.2	2.6	< 0.5	33.3	< 0.5	22.9	0.01	< 0.05	1.1	83.2
L600N 4550	1.08	17.9	0.27	19.8	145	< 0.1	470	2.1	7.37	4760	5	7.7	603	28.8	4.7	< 0.5	127	< 0.5	21.9	0.02	< 0.05	1.4	124
L600N 4650	0.73	15.0	0.46	5.77	138	0.3	106	< 0.2	2.12	4390	10	10.6	152	2.7	16.9	< 0.5	33.3	< 0.5	34.7	< 0.01	< 0.05	1.0	82.3
L675N 3800	1.00	12.8	0.64	4.79	113	0.3	128	10.4	1.97	5400	8	5.6	167	12.9	11.9	< 0.5	37.9	< 0.5	45.4	< 0.01	< 0.05	0.6	75.4
L675N 3900	1.06	12.6	0.60	5.45	125	0.3	125	< 0.2	1.84	2900	9	6.8	160	< 0.2	9.8	< 0.5	36.8	< 0.5	33.1	< 0.01	< 0.05	0.9	65.2
L675N 4000	0.38	7.47	0.55	2.59	105	0.1	68.7	< 0.2	0.82	7690	9	3.7	84.5	0.9	5.7	< 0.5	20.3	< 0.5	40.6	< 0.01	< 0.05	0.6	46.4
L675N 4100	0.94	22.3	0.59	36.2	267	0.5	573	7.7	13.9	4010	10	17.6	835	58.5	37.8	< 0.5	173	< 0.5	18.2	0.05	< 0.05	2.3	251
L675N 4200	1.30	14.3	0.24	8.68	102	0.1	190	1.5	3.11	3720	7	12.4	237	16.7	19.2	< 0.5	52.9	< 0.5	12.4	0.02	< 0.05	1.5	75.3
L675N 4300	1.03	12.7	0.24	10.2	79	0.3	224	2.5	3.28	5820	7	13.8	272	24.1	24.4	< 0.5	60.0	< 0.5	11.1	0.02	< 0.05	1.1	132
L675N 4400	1.31	15.7	0.65	6.70	121	0.4	127	0.8	2.27	8570	10	16.4	177	9.5	31.8	< 0.5	38.8	< 0.5	42.6	< 0.01	< 0.05	1.3	90.0
L750N 3750	0.49	9.35	0.26	2.11	93	0.2	45.6	< 0.2	0.73	11300	10	6.7	59.8	7.5	12.0	< 0.5	13.7	< 0.5	28.4	< 0.01	< 0.05	0.9	50.3
L750N 3850	1.40	16.8	0.59	11.8	91	0.6	298	7.4	3.52	1680	9	19.4	328	75.0	47.6	< 0.5	75.9	< 0.5	39.9	0.02	< 0.05	1.2	117
L750N 3950	0.84	7.91	0.39	2.30	106	0.2	58.0	< 0.2	0.75	7380	10	4.2	71.9	< 0.2	6.1	< 0.5	16.7	< 0.5	39.9	< 0.01	< 0.05	0.7	46.5
L750N 4050	0.85	7.41	0.46	3.41	125	0.1	104	< 0.2	1.12	2160	13	2.3	120	< 0.2	5.7	< 0.5	28.7	< 0.5	39.5	0.01	< 0.05	0.7	47.9
L750N 4150	1.20	12.1	0.49	10.6	108	0.2	255	2.2	3.82	3610	8	6.6	307	28.5	10.5	< 0.5	67.7	< 0.5	14.2	0.06	< 0.05	2.6	118
L750N 4250	1.72	12.4	0.26	10.7	137	0.2	253	1.9	3.86	3860	9	6.1	309	24.4	7.6	< 0.5	68.8	< 0.5	10.1	0.11	< 0.05	3.1	117
L750N 4350	0.64	21.4	0.54	27.9	239	0.2	558	13.9	8.89	16300	10	19.4	663	110	57.0	< 0.5	147	< 0.5	26.0	0.05	< 0.05	2.5	249
L750N 4450	1.38	13.6	0.10	10.2	128	0.3	246	3.4	3.64	8940	8	11.4	312	29.8	26.0	< 0.5	72.0	< 0.5	16.0	0.01	< 0.05	1.5	119
L900N 3650	0.52	13.4	0.64	4.05	134	0.4	79.5	0.3	1.41	21500	12	12.9	115	18.0	27.7	< 0.5	27.6	< 0.5	42.6	< 0.01	< 0.05	1.0	75.9
L900N 3750	2.80	16.0	0.55	7.78	93	0.7	171	9.0	2.65	3730	10	26.8	220	31.5	75.8	< 0.5	51.2	< 0.5	46.9	< 0.01	< 0.05	1.3	92.4
L900N 3850	0.47	6.15	0.29	2.47	122	0.2	57.2	< 0.2	0.88	6770	11	2.9	77.8	< 0.2	8.8	< 0.5	18.6	< 0.5	41.7	< 0.01	< 0.05	1.2	51.0
L900N 3950	0.54	4.31	0.42	1.77	121	0.1	40.6	< 0.2	0.63	9110	16	2.6	55.9	< 0.2	3.9	< 0.5	13.5	< 0.5	39.5	0.01	< 0.05	0.7	50.0
L900N 4050	1.37	6.35	0.70	2.67	119	0.2	82.3	< 0.2	0.86	2310	14	3.6	104	5.6	13.9	< 0.5	25.6	< 0.5	54.2	< 0.01	< 0.05	1.2	42.0
L900N 4150	1.16	12.0	0.24	11.5	150	0.1	221	5.7	4.45	7860	10	9.6	297	42.0	18.8	< 0.5	67.6	< 0.5	12.6	0.04	< 0.05	1.3	143
L900N 4250	0.68	15.6	0.40	20.1	151	0.1	310	9.4	7.68	8640	7	11.0	451	59.6	30.3	<							

Analyte Symbol	Ge	Hf	Hg	Ho	I	In	La	Li	Lu	Mn	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.05	0.04	0.05	0.01	1	0.1	0.01	0.2	0.01	0.1	2	0.2	0.03	0.2	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5
Method Code	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS
L900N 4350	0.40	11.6	0.43	8.45	101	0.4	130	5.8	3.23	4870	10	13.6	187	50.3	57.4	< 0.5	41.2	< 0.5	25.1	0.02	< 0.05	1.7	115
L900N 4450	1.36	9.85	0.10	11.5	85	0.1	202	1.3	4.42	2430	3	6.3	287	12.3	11.8	< 0.5	63.5	< 0.5	12.0	0.02	< 0.05	1.1	165
L975N 3200	0.21	3.23	0.25	1.34	109	0.1	38.0	< 0.2	0.50	6660	7	1.4	46.7	< 0.2	2.5	< 0.5	11.3	< 0.5	40.8	< 0.01	< 0.05	0.6	40.3
L975N 3300	0.78	11.5	0.33	4.17	120	0.3	102	1.4	1.55	4440	8	11.6	136	6.3	27.3	< 0.5	32.2	< 0.5	20.8	0.01	< 0.05	1.2	59.9
L975N 3400	0.36	6.73	0.23	2.67	93	0.2	70.0	< 0.2	0.84	2270	12	3.4	93.9	7.7	13.3	< 0.5	22.5	< 0.5	52.6	< 0.01	< 0.05	0.8	44.0
L975N 3500	1.00	19.5	0.51	23.2	108	0.3	383	8.8	8.94	14700	7	15.9	566	63.6	42.6	< 0.5	123	< 0.5	31.9	0.01	< 0.05	1.9	373
L975N 3600	1.41	16.4	0.63	5.92	129	0.5	115	3.9	1.94	10600	12	17.4	159	21.7	40.3	< 0.5	37.2	< 0.5	42.3	< 0.01	< 0.05	1.1	83.7
L975N 3700	0.73	7.81	0.44	3.56	147	0.2	75.7	< 0.2	1.23	3410	14	6.0	108	3.9	7.9	< 0.5	24.9	< 0.5	40.0	0.01	< 0.05	1.0	48.2
L975N 3800	1.08	15.4	0.28	12.8	157	0.5	220	6.2	5.15	9460	10	18.7	358	12.5	50.8	< 0.5	76.9	< 0.5	54.6	0.01	< 0.05	1.6	138
L975N 3900	0.93	5.43	0.78	4.90	514	0.2	70.2	5.5	2.07	9280	25	3.4	110	62.7	11.8	< 0.5	22.9	< 0.5	7.4	0.09	< 0.05	4.2	59.3
L975N 4000	0.34	8.15	0.65	3.98	136	0.2	101	< 0.2	1.22	6560	11	3.7	135	2.5	6.8	< 0.5	32.5	< 0.5	58.4	< 0.01	< 0.05	1.2	62.1
L975N 4100	0.34	7.28	0.21	3.34	151	0.1	79.1	< 0.2	1.17	2500	9	2.8	115	< 0.2	3.2	< 0.5	26.4	< 0.5	37.5	0.01	< 0.05	1.0	56.5
L975N 4200	2.81	21.1	0.21	15.3	144	0.6	227	9.3	5.87	2760	7	20.2	361	28.3	61.2	< 0.5	77.2	< 0.5	38.8	0.01	< 0.05	1.5	154
L975N 4300	0.63	14.4	0.25	24.4	122	0.3	392	5.9	8.65	4470	7	11.3	564	52.1	27.8	< 0.5	123	< 0.5	14.8	0.02	< 0.05	2.0	244
L8050N 3250	0.73	3.27	0.07	2.20	148	< 0.1	59.5	< 0.2	0.78	2770	17	1.3	81.3	< 0.2	3.0	< 0.5	19.3	< 0.5	38.0	< 0.01	< 0.05	1.0	46.7
L8050N 3350	0.87	16.1	0.36	16.6	442	0.1	387	< 0.2	7.00	466	10	6.3	533	31.9	13.2	< 0.5	119	< 0.5	7.5	0.06	< 0.05	2.9	146
L8050N 3450	2.10	20.1	0.85	39.0	424	0.3	554	6.9	15.7	8870	15	9.4	873	123	23.6	< 0.5	184	< 0.5	17.0	0.14	< 0.05	2.9	421
L8050N 3550	< 0.05	10.1	0.30	3.98	129	0.2	101	< 0.2	1.25	12700	7	5.4	125	18.1	11.7	< 0.5	29.8	< 0.5	43.7	< 0.01	< 0.05	0.9	60.8
L8050N 3650	0.65	20.2	0.31	26.2	204	0.2	388	7.5	10.5	8930	8	10.0	580	80.8	24.8	< 0.5	125	< 0.5	18.0	0.03	< 0.05	2.1	413
L8050N 3750	1.61	14.0	0.24	8.53	110	0.6	182	6.2	2.87	2490	10	20.9	254	13.7	70.4	< 0.5	57.9	< 0.5	59.2	0.01	< 0.05	1.2	85.6
L8050N 3850	0.90	5.41	0.43	10.0	415	0.2	160	3.9	4.11	3930	31	2.3	233	60.3	8.7	< 0.5	51.0	< 0.5	12.9	0.05	< 0.05	3.7	118
L8050N 3950	0.68	9.27	0.68	3.55	154	0.2	71.9	< 0.2	1.29	1460	23	4.3	114	37.2	15.6	< 0.5	26.0	< 0.5	31.2	< 0.01	< 0.05	1.0	66.6
L8050N 4050	2.40	18.6	0.32	15.3	133	0.7	304	28.6	5.20	14300	14	28.4	414	106	116	< 0.5	94.8	< 0.5	31.6	0.01	< 0.05	2.3	229
L8050N 4150	0.72	8.15	0.19	3.67	82	0.2	83.9	< 0.2	1.25	3980	8	5.2	114	8.2	9.9	< 0.5	26.5	< 0.5	48.2	0.01	< 0.05	0.9	59.1
L8050N 4250	0.72	18.4	0.61	14.8	193	0.2	214	12.4	6.16	7200	7	14.8	321	64.4	40.2	< 0.5	69.6	< 0.5	18.4	0.03	< 0.05	2.3	239
L8350N 3650	0.92	12.2	0.71	20.7	298	0.3	562	2.6	8.11	3470	13	5.5	725	70.7	6.3	< 0.5	164	< 0.5	11.7	0.11	< 0.05	4.8	173
L8350N 3750	< 0.05	6.09	0.64	2.66	153	0.1	74.0	< 0.2	1.01	1570	11	1.3	101	< 0.2	6.9	< 0.5	23.9	< 0.5	31.0	0.01	< 0.05	1.0	51.1
L8350N 3850	1.28	16.0	0.47	10.2	112	0.5	169	4.7	3.91	2620	7	15.5	260	20.2	47.8	< 0.5	56.8	< 0.5	67.5	< 0.01	< 0.05	1.4	132
L8350N 3950	1.93	8.95	0.33	7.37	93	0.5	120	3.8	2.64	5900	9	14.8	178	20.2	43.5	< 0.5	38.1	< 0.5	28.4	< 0.01	< 0.05	1.5	91.6
L8350N 4050	0.76	10.8	0.83	7.05	162	0.3	117	< 0.2	2.69	10700	11	6.2	187	13.2	10.6	< 0.5	40.4	< 0.5	32.7	0.01	< 0.05	1.2	114
L825N 3800	0.88	10.1	0.46	4.77	151	0.2	102	< 0.2	1.79	4260	9	5.9	151	17.7	7.0	< 0.5	34.2	< 0.5	42.5	< 0.01	< 0.05	0.8	79.9
L825N 3900	0.78	7.53	0.57	2.95	109	0.2	79.1	< 0.2	1.02	8570	12	4.2	106	7.3	4.8	< 0.5	24.7	< 0.5	41.7	0.01	< 0.05	0.9	55.7
L825N 4000	4.83	22.7	0.95	66.5	541	0.3	1140	5.9	25.4	2830	16	11.1	1750	82.6	12.6	0.5	364	< 0.5	12.7	0.17	< 0.05	6.3	327
L825N 4100	0.38	10.6	0.35	4.48	136	0.2	95.9	< 0.2	1.71	6250	11	6.1	142	0.7	10.5	< 0.5	32.2	< 0.5	43.6	0.01	< 0.05	1.1	68.1
L825N 4200	1.46	18.3	0.61	20.2	589	0.2	355	11.1	8.64	8850	12	13.0	492	91.7	25.1	< 0.5	101	< 0.5	19.4	0.03	< 0.05	3.8	164
L825N 4300	1.92	14.4	0.62	4.28	117	0.6	98.3	6.4	1.35	3730	16	18.6	120	29.7	46.4	< 0.5	27.6	< 0.5	41.9	< 0.01	< 0.05	0.9	68.1
L825N 4400	1.06	11.0	0.14	2.97	163	0.3	68.8	0.8	0.95	1820	17	9.5	94.1	5.4	15.2	< 0.5	21.2	< 0.5	28.4	< 0.01	< 0.05	1.2	65.8

Analyte Symbol	Se	Sm	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5
Method Code	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS
L450N 3850	4	17.4	118	0.25	2.31	< 1	14.4	0.3	0.76	16.0	151	1.90	57.6	5.06	127	266
L450N 3950	3	11.4	563	0.33	1.65	< 1	14.1	0.3	0.62	11.7	216	2.15	44.9	4.25	160	320
L450N 4050	2	20.5	180	0.21	2.75	< 1	14.1	0.4	0.88	17.4	117	2.19	71.9	6.14	95	303
L450N 4150	3	11.4	294	0.40	1.66	< 1	10.5	0.2	0.53	10.5	193	1.82	43.8	3.79	117	252
L450N 4250	4	20.5	470	0.46	2.82	< 1	12.5	< 0.2	1.02	17.4	259	2.23	84.2	6.92	102	325
L450N 4350	7	29.0	271	0.38	3.70	< 1	12.7	0.2	1.17	14.9	165	1.74	98.2	7.80	109	357
L450N 4450	7	28.2	210	0.27	3.71	< 1	15.3	0.3	1.39	17.0	251	2.33	108	9.49	73	302
L450N 4550	5	62.2	1270	0.42	8.48	< 1	14.2	0.6	3.03	24.2	613	2.79	269	20.4	239	435
L525N 3700	< 1	17.2	201	0.27	2.46	< 1	16.4	0.3	0.90	12.5	154	1.85	65.4	5.87	211	336
L525N 3800	3	27.8	294	0.20	3.63	< 1	16.9	0.4	1.25	17.6	172	1.63	100	8.42	187	307
L525N 3900	2	13.6	409	0.45	1.93	< 1	12.5	0.3	0.71	14.0	216	1.83	53.6	4.52	100	313
L525N 4000	5	41.0	1710	0.34	5.47	1	23.1	0.3	1.86	21.2	594	2.38	161	12.5	410	437
L525N 4100	5	20.3	568	0.50	3.00	< 1	19.9	< 0.2	1.01	18.0	580	3.02	74.9	6.35	159	449
L525N 4200	4	29.7	362	0.41	3.82	< 1	13.8	0.7	1.40	25.6	253	2.27	119	9.69	106	392
L525N 4300	3	15.4	239	0.31	2.02	< 1	17.1	0.3	0.67	13.8	125	1.57	53.2	4.82	200	352
L525N 4400	4	19.9	149	0.37	2.67	< 1	12.4	0.4	0.88	13.2	203	1.78	70.2	6.02	172	329
L525N 4500	5	26.5	439	0.19	3.36	< 1	13.6	0.8	1.32	22.8	222	2.00	108	8.75	118	296
L525N 4600	3	14.6	265	0.22	1.95	< 1	9.88	0.5	0.68	13.9	154	1.40	52.2	4.58	191	240
L600N 3750	2	25.0	334	0.25	3.36	< 1	11.6	0.6	1.10	18.2	214	1.85	94.6	6.98	211	324
L600N 3850	5	55.9	370	0.45	7.34	< 1	19.0	0.4	2.18	32.6	350	2.87	196	14.0	128	629
L600N 3950	2	63.3	1840	0.41	8.26	< 1	21.8	0.2	2.80	32.8	617	2.30	257	18.1	195	444
L600N 4050	3	15.6	605	0.12	1.96	< 1	9.43	0.6	0.70	11.0	182	1.32	56.5	4.71	113	206
L600N 4150	25	89.2	1650	0.18	12.7	< 1	27.7	0.2	5.54	82.4	422	3.76	505	38.6	62	692
L600N 4250	4	30.9	445	0.44	4.21	< 1	13.1	0.6	1.49	21.3	258	2.07	126	9.93	74	446
L600N 4350	21	176	2370	0.34	24.2	< 1	44.9	0.5	9.50	163	705	2.98	906	64.3	168	1060
L600N 4450	3	34.9	776	0.16	4.40	< 1	12.0	0.9	1.64	21.4	218	1.71	142	10.6	118	316
L600N 4550	8	145	2480	0.27	19.0	< 1	36.6	0.4	7.15	47.8	743	2.28	681	48.6	130	758
L600N 4650	4	38.0	974	0.45	5.49	< 1	16.0	0.5	2.09	25.9	451	2.58	180	14.5	93	539
L675N 3800	5	37.4	358	0.25	4.90	< 1	20.7	0.5	1.69	25.2	217	2.17	131	11.1	207	455
L675N 3900	4	37.9	737	0.38	5.02	< 1	18.7	0.4	1.86	24.5	346	2.14	160	12.8	51	487
L675N 4000	4	18.9	319	0.22	2.48	< 1	12.3	0.8	0.86	19.5	129	1.62	72.2	6.12	67	307
L675N 4100	13	217	2290	0.48	31.8	< 1	47.8	0.6	12.5	101	768	2.62	1130	90.2	143	1080
L675N 4200	5	57.3	2350	0.48	7.93	< 1	24.9	0.4	3.05	40.3	418	1.67	276	21.0	241	580
L675N 4300	2	65.3	2680	0.38	9.32	< 1	24.3	0.3	3.30	42.5	509	2.02	308	23.0	76	517
L675N 4400	4	42.8	1570	0.50	5.92	< 1	17.4	0.4	2.34	28.4	502	2.86	198	15.7	106	617
L750N 3750	3	14.3	447	0.33	2.04	< 1	13.2	0.3	0.73	14.2	227	2.08	54.9	5.11	158	363
L750N 3850	< 1	77.2	1280	0.45	11.2	< 1	35.1	0.4	3.64	28.3	627	3.06	330	24.7	251	682
L750N 3950	4	16.5	343	0.23	2.24	< 1	11.8	0.7	0.78	18.7	175	1.75	61.5	5.38	152	314
L750N 4050	5	27.1	383	0.13	3.44	< 1	13.3	1.3	1.13	25.2	191	1.72	100	7.85	96	298
L750N 4150	7	75.1	2210	0.25	10.2	< 1	19.4	0.6	3.58	78.3	479	3.22	352	24.7	217	466
L750N 4250	12	75.2	1970	0.24	10.1	< 1	20.6	0.4	3.56	94.5	584	3.72	364	25.5	181	478
L750N 4350	3	173	3100	0.36	25.9	< 1	46.2	0.3	8.79	157	591	2.22	896	61.3	198	851
L750N 4450	2	69.1	2410	0.31	9.34	< 1	23.8	0.3	3.54	60.7	695	2.89	353	23.9	207	599
L900N 3650	2	26.4	550	0.54	3.64	< 1	18.2	0.7	1.47	27.2	298	3.15	125	9.51	160	565
L900N 3750	2	49.2	1660	0.50	7.04	< 1	26.5	0.6	2.69	30.8	1020	3.67	245	17.7	119	662
L900N 3850	< 1	17.2	451	0.16	2.25	< 1	10.0	1.1	0.85	19.3	202	1.90	77.0	6.08	97	248
L900N 3950	6	12.3	421	0.17	1.68	< 1	6.56	1.2	0.63	16.9	213	1.69	54.3	4.48	74	185
L900N 4050	2	21.3	327	0.20	2.77	< 1	14.9	0.9	0.91	30.2	192	2.70	80.9	6.05	89	249
L900N 4150	4	70.3	2370	0.32	10.1	< 1	30.9	0.5	4.17	72.2	429	1.95	427	28.2	243	481
L900N 4250	2	113	2510	0.30	17.3	< 1	33.8	0.5	7.22	75.2	372	1.90	721	48.9	401	634

Analyte Symbol	Se	Sm	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5
Method Code	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS
L900N 4350	2	44.7	1650	0.36	6.97	< 1	16.2	0.4	2.99	25.7	515	2.26	298	21.0	478	482
L900N 4450	3	68.0	2340	0.27	9.76	< 1	22.8	0.5	4.18	39.0	408	1.34	400	27.5	131	425
L975N 3200	3	10.5	551	0.08	1.32	< 1	6.09	0.8	0.53	12.8	202	1.07	42.3	3.40	120	129
L975N 3300	2	28.7	1700	0.49	3.68	< 1	18.0	0.5	1.46	24.6	445	2.51	131	10.1	149	467
L975N 3400	1	20.5	202	0.21	2.50	< 1	15.7	0.8	0.92	16.0	139	1.76	78.5	6.04	142	272
L975N 3500	< 1	134	2470	0.36	19.7	< 1	48.6	0.7	8.35	77.1	663	2.99	821	56.8	392	906
L975N 3600	3	33.2	985	0.50	5.17	< 1	22.2	0.7	2.03	28.9	469	3.58	167	12.8	93	678
L975N 3700	5	22.1	422	0.28	3.28	< 1	13.6	0.7	1.27	28.1	225	2.78	105	7.98	118	295
L975N 3800	2	76.3	1550	0.51	10.7	< 1	31.4	1.0	4.60	33.8	530	2.76	412	30.1	122	667
L975N 3900	34	26.1	1500	0.17	4.13	< 1	12.3	1.0	1.89	81.9	375	5.35	188	12.6	143	207
L975N 4000	3	27.4	311	0.23	3.80	< 1	15.1	1.0	1.31	24.3	147	2.40	109	8.44	113	324
L975N 4100	3	23.4	532	0.15	2.98	< 1	10.9	1.1	1.15	25.9	203	1.85	101	7.49	46	296
L975N 4200	3	81.0	2430	0.48	12.5	< 1	41.0	0.6	5.53	65.2	538	2.71	502	35.8	90	855
L975N 4300	< 1	126	2810	0.37	20.7	< 1	34.2	0.4	8.21	85.7	475	2.32	779	53.5	103	572
L8050N 3250	1	16.0	362	0.08	2.06	< 1	5.36	1.1	0.77	13.2	219	1.58	64.2	4.95	93	134
L8050N 3350	17	112	1750	0.26	15.2	< 1	23.9	0.7	6.14	182	517	10.3	628	42.0	249	790
L8050N 3450	18	202	2170	0.33	32.3	< 1	37.5	0.6	14.1	211	600	3.26	1410	93.5	127	891
L8050N 3550	2	25.6	1080	0.23	3.73	< 1	22.0	0.5	1.33	18.0	201	2.58	111	8.59	321	403
L8050N 3650	5	134	2470	0.29	21.1	< 1	45.0	0.5	9.47	121	475	2.96	905	62.1	220	856
L8050N 3750	2	52.8	1350	0.42	7.59	< 1	28.2	0.8	2.83	45.6	587	3.02	248	18.3	124	571
L8050N 3850	37	55.6	1220	0.08	8.82	< 1	11.1	0.8	3.64	108	320	7.57	405	24.9	83	201
L8050N 3950	8	25.5	223	0.23	3.31	< 1	14.3	0.7	1.30	24.2	230	2.29	99.6	8.62	69	385
L8050N 4050	< 1	96.3	1650	0.33	13.7	< 1	66.5	0.9	5.31	54.2	766	3.54	449	33.4	197	870
L8050N 4150	3	25.5	520	0.30	3.25	< 1	14.8	1.8	1.26	21.1	265	1.70	110	8.46	76	317
L8050N 4250	7	79.4	3370	0.30	12.4	< 1	41.5	0.5	5.63	101	638	2.02	498	37.4	128	777
L8350N 3650	11	165	1240	0.21	20.8	< 1	25.3	0.9	7.34	158	492	7.17	793	50.1	57	551
L8350N 3750	2	21.5	303	0.07	2.56	< 1	9.52	1.1	0.94	21.9	167	1.88	78.5	6.36	21	238
L8350N 3850	4	59.5	1470	0.48	8.78	< 1	26.1	0.7	3.71	34.2	533	2.67	358	24.2	121	650
L8350N 3950	2	41.3	1550	0.56	6.32	< 1	12.7	0.4	2.51	30.3	504	2.71	252	16.6	79	332
L8350N 4050	4	43.2	679	0.29	6.13	< 1	15.5	0.9	2.56	34.6	268	2.92	230	16.4	67	451
L825N 3800	5	32.5	450	0.28	4.26	< 1	16.5	0.8	1.73	26.1	244	2.46	146	11.4	86	415
L825N 3900	2	21.3	297	0.22	2.77	< 1	12.1	0.8	1.06	20.6	183	1.89	88.3	6.97	58	304
L825N 4000	15	429	1840	0.41	59.8	< 1	36.2	1.6	23.7	389	881	5.88	2710	160	99	1070
L825N 4100	6	29.8	419	0.31	4.13	< 1	15.5	0.8	1.69	29.1	334	2.18	137	10.7	98	439
L825N 4200	21	118	2340	0.34	17.0	< 1	32.5	0.7	7.82	123	715	3.27	740	51.9	244	827
L825N 4300	3	28.1	650	0.61	4.18	< 1	19.0	0.5	1.54	24.9	432	3.43	120	9.30	359	537
L825N 4400	6	21.5	468	0.45	2.77	< 1	13.6	0.6	1.09	27.7	309	2.52	86.3	7.13	100	426

Analyte Symbol	Al	Ca	Fe	K	Mg	Ag	As	Au	Ba	Be	Bi	Br	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Ga	Gd
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.5	5	1	5	2	0.2	0.5	0.05	1	0.07	0.1	5	0.05	0.02	0.1	2	0.01	0.5	0.01	0.01	0.01	0.1	0.03
Method Code	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS
TILL-2 Meas			340				504	0.08	2070	104		3180		1450	64.5	392	7.54	4060		62.7	33.9		
TILL-2 Cert			38400.00				26000	2	540000	4000.0		12200.0		98000	15000	74000	12000	150000		3700.0	1000.0		
TILL-2 Meas			333				484	0.11	2030	103		3130		1420	64.9	384	7.53	3960		60.4	33.3		
TILL-2 Cert			38400.00				26000	2	540000	4000.0		12200.0		98000	15000	74000	12000	150000		3700.0	1000.0		
TILL-2 Meas			339				481	0.09	1970	105		3170		1460	64.4	412	8.37	3910		62.6	33.5		
TILL-2 Cert			38400.00				26000	2	540000	4000.0		12200.0		98000	15000	74000	12000	150000		3700.0	1000.0		
TILL-2 Meas			334				474	0.10	2000	98.2		3150		1420	64.5	389	8.62	3850		61.8	33.8		
TILL-2 Cert			38400.00				26000	2	540000	4000.0		12200.0		98000	15000	74000	12000	150000		3700.0	1000.0		
TILL-2 Meas			337				465	0.07	1920	84.9		3010		1360	64.4	387	7.97	3450		61.4	33.0		
TILL-2 Cert			38400.00				26000	2	540000	4000.0		12200.0		98000	15000	74000	12000	150000		3700.0	1000.0		
L525N 4300 Orig	261	94	92	51	21	0.4	23.6	< 0.05	844	8.77	0.2	166	1.94	138	19.0	45	< 0.01	112	11.9	6.01	3.38	21.1	13.4
L525N 4300 Dup	256	92	89	51	20	0.4	25.1	< 0.05	840	7.22	0.2	171	1.74	139	18.5	43	< 0.01	110	11.5	5.97	3.35	24.7	13.0
L675N 3900 Orig	269	275	114	27	59	0.3	33.0	< 0.05	2560	16.3	0.2	262	1.31	279	12.1	81	< 0.01	147	30.0	15.7	9.15	22.8	37.6
L675N 3900 Dup	290	277	127	28	59	0.3	37.2	< 0.05	2790	18.1	0.2	262	1.49	286	13.8	85	< 0.01	151	29.9	15.8	9.10	25.8	37.4
L975N 3600 Orig	497	215	257	20	53	0.3	65.7	0.05	3910	22.7	0.6	224	1.48	319	37.8	200	< 0.01	180	32.4	16.2	9.09	46.3	36.5
L975N 3600 Dup	495	215	254	21	52	0.4	65.3	< 0.05	4180	20.3	0.5	215	1.63	316	40.3	202	< 0.01	177	31.2	15.2	8.72	54.5	35.6
L8050N 3950 Orig	299	50	61	11	12	0.6	27.4	0.05	1010	12.3	0.1	347	0.97	214	17.1	39	< 0.01	118	19.6	9.99	6.10	31.1	23.5
L8050N 3950 Dup	316	52	67	11	12	0.8	30.4	0.05	1060	13.6	< 0.1	353	1.07	218	19.1	45	< 0.01	127	20.0	10.3	6.04	37.3	24.4
L825N 4200 Orig	151	1310	122	17	313	0.5	82.3	0.07	5390	22.3	0.3	513	6.89	401	24.6	94	< 0.01	1500	102	58.0	30.6	21.4	129
L825N 4200 Dup	160	1310	125	17	309	0.6	81.8	< 0.05	5100	22.1	0.3	490	6.92	418	22.5	95	< 0.01	1460	104	59.1	32.0	21.6	130
Method Blank	< 0.5	< 5	< 1	< 5	< 2	< 0.2	< 0.5	< 0.05	< 1	< 0.07	< 0.1	< 5	< 0.05	< 0.02	< 0.1	< 2	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 0.1	< 0.03
Method Blank	< 0.5	< 5	< 1	< 5	< 2	< 0.2	< 0.5	< 0.05	< 1	< 0.07	< 0.1	< 5	< 0.05	< 0.02	< 0.1	< 2	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 0.1	< 0.03
Method Blank	< 0.5	< 5	< 1	< 5	< 2	< 0.2	< 0.5	< 0.05	< 1	< 0.07	< 0.1	< 5	< 0.05	< 0.02	< 0.1	< 2	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 0.1	< 0.03
Method Blank	< 0.5	< 5	< 1	< 5	< 2	< 0.2	< 0.5	< 0.05	< 1	< 0.07	< 0.1	< 5	< 0.05	< 0.02	< 0.1	< 2	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 0.1	< 0.03
Method Blank	< 0.5	< 5	< 1	< 5	< 2	< 0.2	< 0.5	< 0.05	< 1	< 0.07	< 0.1	< 5	< 0.05	< 0.02	< 0.1	< 2	< 0.01	< 0.5	< 0.01	< 0.01	< 0.01	< 0.1	< 0.03

Analyte Symbol	Ge	Hf	Hg	Ho	I	In	La	Li	Lu	Mn	Mo	Nb	Nd	Ni	Pb	Pd	Pr	Pt	Rb	Re	Ru	Sb	Sc
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	0.05	0.04	0.05	0.01	1	0.1	0.01	0.2	0.01	0.1	2	0.2	0.03	0.2	0.1	0.5	0.01	0.5	0.1	0.01	0.05	0.2	0.5
Method Code	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS
TILL-2 Meas		10.1	1.74				726	9.2	7.03	16100	96	20.2	745	77.6	327				174			3.4	144
TILL-2 Cert		11000	70.0				44000	47000	600.0	780000	14000	20000	36000	32000	31000				143000			800.0	12000
TILL-2 Meas		9.76	1.69				721	10.0	6.69	16100	97	19.7	717	81.4	320				176			3.1	139
TILL-2 Cert		11000	70.0				44000	47000	600.0	780000	14000	20000	36000	32000	31000				143000			800.0	12000
TILL-2 Meas		10.2	1.75				672	9.9	6.77	16300	94	19.3	724	95.7	324				176			3.3	135
TILL-2 Cert		11000	70.0				44000	47000	600.0	780000	14000	20000	36000	32000	31000				143000			800.0	12000
TILL-2 Meas		9.78	1.90				658	9.0	6.68	16300	92	19.0	713	72.6	320				179			3.2	140
TILL-2 Cert		11000	70.0				44000	47000	600.0	780000	14000	20000	36000	32000	31000				143000			800.0	12000
TILL-2 Meas		9.48	1.74				658	8.5	6.30	16000	85	17.8	653	67.6	286				163			3.2	129
TILL-2 Cert		11000	70.0				44000	47000	600.0	780000	14000	20000	36000	32000	31000				143000			800.0	12000
L525N 4300 Orig	0.17	10.6	0.70	2.00	78	0.2	48.7	< 0.2	0.68	15100	9	6.2	61.9	15.6	19.7	< 0.5	14.2	< 0.5	54.2	< 0.01	< 0.05	0.6	35.1
L525N 4300 Dup	0.26	10.2	0.62	1.93	79	0.2	50.0	< 0.2	0.62	13700	10	6.3	63.4	16.3	20.6	< 0.5	14.7	< 0.5	54.7	< 0.01	< 0.05	0.4	32.2
L675N 3900 Orig	1.12	12.5	0.67	5.34	122	0.3	124	< 0.2	1.81	2850	9	6.5	159	1.8	8.8	< 0.5	36.7	< 0.5	31.9	< 0.01	< 0.05	1.0	65.7
L675N 3900 Dup	1.01	12.8	0.53	5.57	128	0.3	126	< 0.2	1.86	2940	9	7.2	161	< 0.2	10.8	< 0.5	37.0	< 0.5	34.4	< 0.01	< 0.05	0.8	64.6
L975N 3600 Orig	1.49	16.8	0.66	5.96	131	0.5	115	3.2	2.02	10700	12	17.5	161	21.2	36.3	< 0.5	37.7	< 0.5	39.4	0.01	< 0.05	1.2	84.5
L975N 3600 Dup	1.34	15.9	0.59	5.89	127	0.5	115	4.7	1.86	10600	13	17.3	157	22.2	44.3	< 0.5	36.7	< 0.5	45.1	< 0.01	< 0.05	1.1	82.9
L8050N 3950 Orig	0.59	9.13	0.70	3.49	153	0.2	71.3	< 0.2	1.23	1420	24	4.1	112	37.6	14.5	< 0.5	25.6	< 0.5	32.2	< 0.01	< 0.05	1.0	65.0
L8050N 3950 Dup	0.77	9.40	0.66	3.61	155	0.2	72.6	< 0.2	1.36	1500	23	4.5	115	36.7	16.6	< 0.5	26.3	< 0.5	30.3	< 0.01	< 0.05	1.0	68.2
L825N 4200 Orig	1.44	17.9	0.53	20.1	589	0.2	354	10.1	8.58	8910	13	12.5	485	97.8	26.7	0.9	99.7	< 0.5	20.2	0.03	< 0.05	3.8	161
L825N 4200 Dup	1.48	18.7	0.68	20.2	588	0.2	355	12.0	8.71	8790	12	13.6	499	85.5	23.4	< 0.5	103	< 0.5	18.5	0.04	< 0.05	3.8	167
Method Blank	< 0.05	< 0.04	< 0.05	< 0.01	< 1	< 0.1	< 0.01	< 0.2	< 0.01	< 0.1	< 2	< 0.2	< 0.03	< 0.2	< 0.1	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	< 0.2	< 0.5
Method Blank	< 0.05	< 0.04	< 0.05	< 0.01	< 1	< 0.1	< 0.01	< 0.2	< 0.01	< 0.1	< 2	< 0.2	< 0.03	< 0.2	< 0.1	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	< 0.2	< 0.5
Method Blank	< 0.05	< 0.04	< 0.05	< 0.01	< 1	< 0.1	< 0.01	< 0.2	< 0.01	< 0.1	< 2	< 0.2	< 0.03	< 0.2	< 0.1	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	< 0.2	< 0.5
Method Blank	< 0.05	< 0.04	< 0.05	< 0.01	< 1	< 0.1	< 0.01	< 0.2	< 0.01	< 0.1	< 2	< 0.2	< 0.03	< 0.2	< 0.1	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	< 0.2	< 0.5
Method Blank	< 0.05	< 0.04	< 0.05	< 0.01	< 1	< 0.1	< 0.01	< 0.2	< 0.01	< 0.1	< 2	< 0.2	< 0.03	< 0.2	< 0.1	< 0.5	< 0.01	< 0.5	< 0.1	< 0.01	< 0.05	< 0.2	< 0.5

Analyte Symbol	Se	Sm	Sr	Ta	Tb	Te	Th	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
Unit Symbol	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
Lower Limit	1	0.03	0.1	0.01	0.01	1	0.02	0.2	0.01	0.01	1	0.01	0.02	0.02	2	0.5
Method Code	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS	Bioleac h-MS
TILL-2 Meas		163	547	1.21	23.7		267			225	231	72.3	652	49.1	502	284
TILL-2 Cert		7400.0	144000	1900.0	1200.0		18400.0			5700.0	77000	5000	40000	3700.0	130000	390000
TILL-2 Meas		159	540	1.17	23.5		259			216	227	70.2	647	48.1	576	278
TILL-2 Cert		7400.0	144000	1900.0	1200.0		18400.0			5700.0	77000	5000	40000	3700.0	130000	390000
TILL-2 Meas		160	539	1.13	23.5		266			224	232	78.6	651	48.6	460	284
TILL-2 Cert		7400.0	144000	1900.0	1200.0		18400.0			5700.0	77000	5000	40000	3700.0	130000	390000
TILL-2 Meas		158	551	1.08	23.6		260			220	229	76.7	648	48.1	507	275
TILL-2 Cert		7400.0	144000	1900.0	1200.0		18400.0			5700.0	77000	5000	40000	3700.0	130000	390000
TILL-2 Meas		160	541	1.06	23.5		236			183	222	64.8	581	45.3	461	264
TILL-2 Cert		7400.0	144000	1900.0	1200.0		18400.0			5700.0	77000	5000	40000	3700.0	130000	390000
L525N 4300 Orig	1	15.1	237	0.32	2.07	< 1	17.7	0.3	0.65	14.2	125	1.65	53.4	4.94	180	355
L525N 4300 Dup	4	15.8	241	0.30	1.96	< 1	16.5	0.4	0.68	13.4	126	1.48	53.1	4.71	220	350
L675N 3900 Orig	5	37.6	730	0.37	4.95	< 1	19.3	0.4	1.86	24.4	326	2.17	158	12.7	51	476
L675N 3900 Dup	3	38.3	745	0.40	5.10	< 1	18.1	0.4	1.86	24.5	366	2.11	161	12.9	51	497
L975N 3600 Orig	2	34.3	967	0.50	5.22	< 1	22.3	0.6	2.05	29.6	464	3.51	167	13.1	90	683
L975N 3600 Dup	4	32.1	1000	0.49	5.13	< 1	22.1	0.7	2.00	28.1	474	3.66	166	12.6	96	672
L8050N 3950 Orig	7	25.0	221	0.21	3.23	< 1	14.3	0.7	1.31	23.7	222	2.19	97.5	8.43	64	376
L8050N 3950 Dup	9	26.1	226	0.26	3.40	< 1	14.4	0.6	1.30	24.7	237	2.40	102	8.81	74	394
L825N 4200 Orig	20	117	2360	0.34	16.9	< 1	31.4	0.7	7.83	126	712	3.34	731	51.1	255	813
L825N 4200 Dup	21	120	2320	0.33	17.2	< 1	33.5	0.7	7.80	120	718	3.20	748	52.6	233	841
Method Blank	< 1	< 0.03	< 0.1	< 0.01	< 0.01	< 1	< 0.02	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	< 2	< 0.5
Method Blank	< 1	< 0.03	< 0.1	< 0.01	< 0.01	< 1	< 0.02	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	< 2	< 0.5
Method Blank	< 1	< 0.03	< 0.1	< 0.01	< 0.01	< 1	< 0.02	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	< 2	< 0.5
Method Blank	< 1	< 0.03	< 0.1	< 0.01	< 0.01	< 1	< 0.02	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	< 2	< 0.5
Method Blank	< 1	< 0.03	< 0.1	< 0.01	< 0.01	< 1	< 0.02	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	< 2	< 0.5
Method Blank	< 1	< 0.03	< 0.1	< 0.01	< 0.01	< 1	< 0.02	< 0.2	< 0.01	< 0.01	< 1	< 0.01	< 0.02	< 0.02	< 2	< 0.5

APPENDIX B: 2023 ANALYTICAL DATABASE

2023 MASTER SOIL DATABASE R2

STN ID	NORTH	EAST	ELEV	ELEMENT	Ag	Ag1	Al	Al1	As	As1	Au	Au1	Au2	Ba	Ba1	Be	Bi	Bi1	Br	Ca
				ANALYTICAL LIMITS	ppb	ppb	ppm	ppm	ppb	ppb	ppt	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
				ANALYTICAL PROCEDURE	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	SGH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	BIOLEACH	MMI-M	BIOLEACH	BIOLEACH	MMI-M
				ANAYTICAL LIMITS	0.5	0.2	1	0.5	10	0.5	1	0.1	0.05	10	1	0.07	0.5	0.1	5	2
L0450N 3850E	5517450	683851	1398		5.5	0.5	172	294	<10	22.8	52	0.1	< 0.05	1270	642	7.81	<0.5	< 0.1	170	50
L0450N 3950E	5517447	683952	1415		11.4	0.4	137	187	<10	37.6	43	<0.1	< 0.05	1190	1300	7.78	<0.5	< 0.1	137	153
L0450N 4050E	5517453	684050	1413		4.4	0.4	203	259	10	21.8	53	<0.1	< 0.05	1460	631	8.53	<0.5	< 0.1	179	36
L0450N 4150E	5517448	684156	1408		16.8	0.3	102	198	<10	36	48	0.2	< 0.05	960	689	6.87	<0.5	< 0.1	124	175
L0450N 4250E	5517448	684252	1417		16.6	0.5	146	336	<10	34	36	0.2	< 0.05	1550	1760	12.2	<0.5	0.2	170	95
L0450N 4350E	5517449	684351	1422		9.6	<0.2	121	233	10	38.5	104	0.1	< 0.05	1300	1180	9.6	<0.5	0.2	81	59
L0450N 4450E	5517449	684450	1417		7.3	0.4	133	311	<10	28.9	69	<0.1	< 0.05	780	690	11.3	<0.5	< 0.1	245	70
L0450N 4550E	5517444	684548	1432		8	0.2	125	284	<10	57.6	21	<0.1	< 0.05	1780	4680	14.7	<0.5	0.3	134	184
L0525N 3700E	5517528	683700	1397		12.6	0.3	134	240	<10	28.6	36	<0.1	< 0.05	1310	748	7.35	<0.5	< 0.1	149	66
L0525N 3800E	5517523	683800	1401		6.3	0.4	116	269	<10	21.6	67	<0.1	< 0.05	1270	876	10.9	<0.5	0.1	228	157
L0525N 3900E	5517523	683895	1409		15.1	0.3	100	241	<10	34.3	44	0.1	< 0.05	1360	1240	8.94	<0.5	0.1	133	148
L0525N 4000E	5517525	684000	1413		8.8	< 0.2	19	236	<10	46.9	43	0.3	< 0.05	5820	4030	16.8	<0.5	0.3	134	612
L0525N 4100E	5517525	684101	1403		11.4	0.3	133	456	<10	84	44	0.2	< 0.05	2490	3840	18.6	<0.5	1	363	149
L0525N 4200E	5517527	684205	1408		18.1	0.5	91	318	<10	33.3	33	0.2	< 0.05	1110	1400	12.1	<0.5	0.1	259	83
L0525N 4300E	5517522	684300	1426		17.3	0.4	112	258	<10	24.3	21	<0.1	< 0.05	990	842	7.99	<0.5	0.2	168	58
L0525N 4400E	5517516	684402	1433		18.8	0.3	95	306	<10	32	14	0.2	< 0.05	1290	731	8.75	<0.5	0.1	222	120
L0525N 4500E	5517527	684496	1426		9.7	0.6	113	174	<10	22.8	14	0.2	< 0.05	1530	1120	10	<0.5	< 0.1	206	106
L0525N 4600E	5517524	684600	1433		16.5	0.4	74	175	<10	18.8	19	0.5	< 0.05	2200	716	8.23	<0.5	< 0.1	113	134
L0600N 3750E	5517586	683747	1403		8.6	0.3	93	206	<10	29.7	37	0.1	< 0.05	590	1080	7.99	<0.5	< 0.1	211	54
L0600N 3850E	5517602	683852	1403		10.3	0.3	130	369	<10	45.8	88	0.2	< 0.05	1310	1790	15.8	<0.5	0.3	290	40
L0600N 3950E	5517602	683948	1409		6.2	0.3	38	152	<10	38.4	50	0.2	< 0.05	6230	5200	20.4	<0.5	0.3	135	490
L0600N 4050E	5517605	684056	1408		10.6	< 0.2	78	110	<10	27.8	49	0.2	< 0.05	720	1240	6.41	<0.5	< 0.1	118	153
L0600N 4150E	5517600	684152	1402		16.1	0.3	15	82.7	<10	59.9	38	0.1	0.11	4260	3230	20.4	<0.5	< 0.1	908	732
L0600N 4250E	5517604	684248	1409		9.9	0.6	122	267	<10	37.5	43	0.1	< 0.05	930	1370	13.5	<0.5	< 0.1	203	28
L0600N 4350E	5517600	684354	1416		33.1	0.6	22	194	<10	56.6	44	0.3	< 0.05	5690	7490	28.3	<0.5	0.5	412	599
L0600N 4450E	5517600	684449	1421		15.7	0.5	97	136	<10	23.3	58	0.1	< 0.05	1770	2720	11	<0.5	< 0.1	161	124
L0600N 4550E	5517601	684549	1440		11.2	0.3	16	56.5	<10	32.8	15	0.8	< 0.05	6070	5790	18.3	<0.5	< 0.1	181	654
L0600N 4650E	5517602	684652	1442		18.7	0.5	73	229	<10	53.7	40	0.5	< 0.05	6940	3010	14.1	<0.5	0.2	212	328
L0675N 3800E	5517671	683801	1406		16.4	0.5	134	264	10	29.4	80	0.1	< 0.05	5240	1770	11.8	<0.5	< 0.1	164	195
L0675N 3900E	5517676	683902	1408		4.1	0.3	109	279	<10	35.1	63	0.1	< 0.05	5440	2680	17.2	<0.5	0.2	262	216
L0675N 4000E	5517674	684000	1416		16.8	0.5	151	193	<10	21.1	44	<0.1	< 0.05	2120	806	8.24	<0.5	< 0.1	169	88
L0675N 4100E	5517674	684101	1404		26.6	0.4	47	247	<10	106	46	0.6	0.06	6430	5290	25.2	<0.5	0.6	242	499
L0675N 4200E	5517675	684202	1412		17.9	0.3	32	64.4	<10	28.1	24	0.4	< 0.05	7400	6020	11.1	<0.5	0.2	131	422
L0675N 4300E	5517676	684302	1418		16.3	0.4	42	79.2	<10	34.9	51	0.3	< 0.05	6810	5060	16.1	<0.5	0.3	106	409
L0675N 4400E	5517674	684399	1434		13	0.5	100	291	<10	60.6	40	0.1	< 0.05	4330	4320	19.5	<0.5	0.4	189	251
L0750N 3750E	5517750	683750	1415		18.8	0.5	197	249	20	32.7	15	<0.1	< 0.05	4570	1500	10.8	<0.5	0.1	132	148
L0750N 3850E	5517749	683852	1408		8	0.5	122	394	<10	74	95	0.2	< 0.05	4820	4860	21.1	<0.5	0.6	114	316
L0750N 3950E	5517751	683950	1410		9.8	0.6	238	224	10	25.4	43	<0.1	< 0.05	3460	960	8.39	<0.5	< 0.1	198	93
L0750N 4050E	5517752	684049	1402		25.5	0.5	119	168	<10	18.5	39	0.1	< 0.05	1770	1020	9.68	<0.5	< 0.1	220	198
L0750N 4150E	5517752	684150	1407		22.8	0.3	45	89.9	<10	28.6	9.8	0.1	< 0.05	4610	4860	16	<0.5	< 0.1	149	506
L0750N 4250E	5517749	684251	1416		12	0.3	81	80.6	<10	36.9	22	0.2	< 0.05	6510	4040	16.5	<0.5	< 0.1	179	438
L0750N 4350E	5517749	684351	1422		7.4	0.4	39	221	<10	47	25	<0.1	< 0.05	7210	7070	27.4	<0.5	0.6	219	857
L0750N 4450E	5517750	684455	1433		12.4	0.3	35	121	<10	43.5	18	0.4	0.05	6240	4660	17.2	<0.5	0.3	171	566
L0825N 3800E	5517824	683801	1401		19	0.6	183	302	<10	38.7	25	0.1	< 0.05	3060	1300	12.9	<0.5	< 0.1	215	89
L0825N 3900E	5517825	683900	1402		3.6	0.4	258	227	<10	28	28	<0.1	< 0.05	2440	1140	9.31	<0.5	< 0.1	170	14
L0825N 4000E	5517824	684000	1399		32.8	0.4	28	109	<10	94.9	12	0.6	0.13	4050	2940	50.6	<0.5	0.2	642	479
L0825N 4100E	5517824	684100	1402		11	0.4	98	278	<10	37	9.6	0.5	< 0.05	3850	1720	15.4	<0.5	< 0.1	246	229

2023 MASTER SOIL DATABASE R2

STN ID	NORTH	EAST	ELEV	ELEMENT	Ca1	Cd	Cd1	Ce	Ce1	Co	Co1	Cr	Cr1	Cs	Cs1	Cu	Cu1	Cu2	Dy	Dy1
				ANALYTICAL LIMITS	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppt	ppb	ppb	ppb	ppb
				ANALYTICAL PROCEDURE	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	SGH	MMI-M	BIOLEACH	MMI-M	BIOLEACH
				ANAYTICAL LIMITS	5	1	0.05	2	0.02	1	0.1	100	2	0.2	0.01	10	10	0.5	0.5	0.01
L0450N 3850E	5517450	683851	1398		60	6	1.23	148	165	59	37	<100	76	5.4	<0.01	323	450	124	25.4	12.7
L0450N 3950E	5517447	683952	1415		320	5	1.8	91	130	64	17.6	<100	68	3.8	<0.01	346	770	138	12.3	9.95
L0450N 4050E	5517453	684050	1413		81	4	0.76	146	210	79	16.8	<100	56	6.4	<0.01	327	420	93	23.2	15.5
L0450N 4150E	5517448	684156	1408		154	2	1	76	110	37	19.3	<100	81	4.5	<0.01	347	830	91.4	11.3	8.83
L0450N 4250E	5517448	684252	1417		200	5	0.92	110	180	40	21.6	<100	100	4.9	<0.01	368	830	138	29.2	16.4
L0450N 4350E	5517449	684351	1422		80	5	0.63	184	313	68	10.8	<100	49	3	<0.01	528	630	73.5	29.1	20.8
L0450N 4450E	5517449	684450	1417		96	10	1.88	82	229	88	20.9	<100	78	4.2	<0.01	437	1040	156	27.6	21.2
L0450N 4550E	5517444	684548	1432		489	15	3.87	99	499	82	58.9	<100	125	1.5	<0.01	332	1390	409	30.4	49.5
L0525N 3700E	5517528	683700	1397		90	3	0.47	135	178	42	22.3	<100	62	4.9	<0.01	336	670	123	28.1	14.5
L0525N 3800E	5517523	683800	1401		175	4	1.58	103	256	37	29	<100	74	7.1	<0.01	402	1110	159	25.7	20.9
L0525N 3900E	5517523	683895	1409		257	4	1.74	79	136	27	20.4	<100	69	4.2	<0.01	343	600	108	17.3	11.4
L0525N 4000E	5517525	684000	1413		944	2	3.38	51	468	10	103	<100	166	0.3	<0.01	586	1140	299	16.2	30.8
L0525N 4100E	5517525	684101	1403		194	7	1.78	136	216	72	71.5	<100	328	1.2	<0.01	361	900	285	31.8	17.1
L0525N 4200E	5517527	684205	1408		180	6	1.31	83	205	24	13.6	<100	53	6.7	<0.01	381	1100	138	34.7	22.3
L0525N 4300E	5517522	684300	1426		93	8	1.84	96	138	53	18.8	<100	44	5.5	<0.01	287	760	111	24.9	11.7
L0525N 4400E	5517516	684402	1433		42	6	3.61	67	182	16	22.3	<100	80	5.1	<0.01	286	600	130	22.3	15.4
L0525N 4500E	5517527	684496	1426		278	10	1.65	81	210	44	8.7	<100	33	4	<0.01	329	1050	211	32.3	20.6
L0525N 4600E	5517524	684600	1433		85	3	1.71	121	126	21	6.8	<100	22	4	<0.01	323	1110	67.4	22.1	11.5
L0600N 3750E	5517586	683747	1403		135	2	0.8	116	195	27	14.3	<100	53	5.1	<0.01	308	770	133	33	19.2
L0600N 3850E	5517602	683852	1403		126	4	0.95	88	425	76	21.4	<100	128	6.8	<0.01	435	1650	281	51.7	41.7
L0600N 3950E	5517602	683948	1409		679	3	3.42	108	582	20	63.4	<100	97	0.8	<0.01	451	1510	292	21.6	48.6
L0600N 4050E	5517605	684056	1408		219	3	0.79	66	148	26	6.9	<100	22	4.7	<0.01	277	790	68.7	10.3	11.6
L0600N 4150E	5517600	684152	1402		1230	22	9.94	6	130	17	13.6	<100	73	1	<0.01	629	980	1140	21	77.1
L0600N 4250E	5517604	684248	1409		198	6	1.97	48	228	60	12.2	<100	48	5.7	<0.01	342	510	128	29.2	24.7
L0600N 4350E	5517600	684354	1416		1280	12	6.57	15	368	17	16.4	<100	122	0.9	<0.01	438	1870	957	29.3	145
L0600N 4450E	5517600	684449	1421		189	7	0.91	136	232	16	4.9	<100	27	5	<0.01	309	860	100	37.3	25.6
L0600N 4550E	5517601	684549	1440		986	2	2.45	149	744	59	15.3	<100	66	0.7	<0.01	373	5330	567	50.6	114
L0600N 4650E	5517602	684652	1442		372	5	1.73	70	238	42	10.5	<100	89	3.8	<0.01	368	3510	217	31	32.6
L0675N 3800E	5517671	683801	1406		175	4	1.86	170	397	45	24.6	<100	72	6.6	<0.01	293	1330	156	36.7	29
L0675N 3900E	5517676	683902	1408		276	4	1.4	81	283	46	12.9	<100	83	5.8	<0.01	361	2180	149	35.3	30
L0675N 4000E	5517674	684000	1416		113	6	1.87	180	184	56	13	<100	35	5.8	<0.01	265	810	91.9	30.3	14.6
L0675N 4100E	5517674	684101	1404		857	12	5.91	29	589	43	39.8	<100	203	1.9	<0.01	408	10600	1320	91.3	194
L0675N 4200E	5517675	684202	1412		698	4	2.32	68	283	20	11.9	<100	49	1	<0.01	251	1930	353	17.2	48.2
L0675N 4300E	5517676	684302	1418		595	4	2.36	66	312	31	30.1	<100	99	1.4	<0.01	307	2620	305	44.1	57
L0675N 4400E	5517674	684399	1434		429	4	1.56	100	300	37	19.2	<100	136	5.5	<0.01	336	1700	235	37.8	37
L0750N 3750E	5517750	683750	1415		141	7	1.07	204	147	59	21	<100	81	6.9	<0.01	262	700	105	31.2	12.7
L0750N 3850E	5517749	683852	1408		328	3	0.65	229	563	70	36	<100	255	2.9	<0.01	463	3250	444	77.6	66.6
L0750N 3950E	5517751	683950	1410		104	12	1.37	190	166	97	12	<100	40	7.2	<0.01	271	810	91.8	28.9	12.8
L0750N 4050E	5517752	684049	1402		240	6	1.53	90	228	43	13.9	<100	20	6.7	<0.01	272	1360	142	25.1	19.8
L0750N 4150E	5517752	684150	1407		902	5	1.92	40	374	25	8.8	<100	56	1.6	<0.01	297	3810	459	18.2	59.6
L0750N 4250E	5517749	684251	1416		1020	6	2.42	162	395	29	8.2	<100	45	1.3	<0.01	350	2100	465	47	60.1
L0750N 4350E	5517749	684351	1422		1500	15	5.9	55	647	84	32.3	<100	102	1.7	<0.01	378	1650	1010	40.4	156
L0750N 4450E	5517750	684455	1433		770	3	3.14	107	479	15	18.2	<100	117	0.6	<0.01	296	2030	336	25.6	56.6
L0825N 3800E	5517824	683801	1401		138	7	1.93	166	249	86	15.4	<100	75	6.8	<0.01	250	1070	152	44.6	26
L0825N 3900E	5517825	683900	1402		129	9	1.38	142	218	91	11.2	<100	42	7.1	<0.01	226	600	97	19.8	16.7
L0825N 4000E	5517824	684000	1399		1190	4	4.98	74	729	40	14.7	<100	94	1	<0.01	400	15100	3440	75	355
L0825N 4100E	5517824	684100	1402		172	5	1.25	115	245	19	15.1	<100	56	4.9	<0.01	179	2670	149	48.9	24.6

2023 MASTER SOIL DATABASE R2

STN ID	NORTH	EAST	ELEV	ELEMENT	Er	Er1	Eu	Eu1	Fe	Fe1	Ga	Ga1	Gd	Gd1	Ge	Hf	Hg	Hg1	Ho
				ANALYTICAL LIMITS	ppb	ppb	ppb	ppb	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
				ANALYTICAL PROCEDURE	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	BIOLEACH	BIOLEACH	MMI-M	BIOLEACH	BIOLEACH
				ANAYTICAL LIMITS	0.2	0.01	0.2	0.01	1	1	0.5	0.1	0.5	0.03	0.05	0.04	1	0.05	0.01
L0450N 3850E	5517450	683851	1398		15.8	6.27	5.2	3.72	70	104	15.5	21.2	21.9	16	0.58	7.82	<1	0.45	2.21
L0450N 3950E	5517447	683952	1415		7	4.65	2.8	2.69	93	104	7.4	18.7	11.9	10.9	0.49	9.23	<1	0.6	1.64
L0450N 4050E	5517453	684050	1413		15.3	7.74	4.7	4.6	92	69	20.5	22.6	20.3	19	0.72	8.43	1	0.54	2.59
L0450N 4150E	5517448	684156	1408		6.5	4.44	2.5	2.54	42	127	5.8	22.7	11.3	10.9	0.46	7.35	<1	0.38	1.58
L0450N 4250E	5517448	684252	1417		19.2	8.33	5.8	4.96	89	187	7.9	27	25.2	20.1	1.07	9.15	<1	0.44	2.86
L0450N 4350E	5517449	684351	1422		16.8	10.2	6.6	6.68	85	81	9.3	25.6	28.9	26.4	0.36	10.2	<1	0.29	3.48
L0450N 4450E	5517449	684450	1417		19.6	11	4.9	6.32	87	113	9.7	24.6	23.7	26	0.88	8.67	<1	0.65	3.79
L0450N 4550E	5517444	684548	1432		21.5	26.4	6.1	15.2	110	222	4	35.6	26.6	61.8	2.59	11.8	<1	0.17	8.85
L0525N 3700E	5517528	683700	1397		16.6	7.15	5.5	3.93	77	96	11.6	21.7	23.3	17	0.6	9.33	<1	0.32	2.49
L0525N 3800E	5517523	683800	1401		15.8	10.5	5	6.13	47	101	7.2	22.2	23.6	26	1.02	8.55	<1	0.61	3.5
L0525N 3900E	5517523	683895	1409		9.7	5.5	3.6	3.42	50	115	4.9	25.3	16.6	13.3	0.84	9.43	<1	0.26	1.91
L0525N 4000E	5517525	684000	1413		8.6	15.8	4.7	9.74	18	205	<0.5	18.8	20	39.4	1.99	12.7	<1	0.34	5.46
L0525N 4100E	5517525	684101	1403		18.6	8.26	6.4	5.25	102	479	5.6	52.5	29.1	19.9	2.07	12.5	<1	0.69	3.04
L0525N 4200E	5517527	684205	1408		21.5	11.6	5.9	6.82	39	98	6.1	37.2	28.2	27.9	1.15	10.8	<1	0.37	3.89
L0525N 4300E	5517522	684300	1426		16.6	5.99	4.1	3.37	50	90	9.5	22.9	20	13.2	0.22	10.4	<1	0.66	1.97
L0525N 4400E	5517516	684402	1433		13.3	7.49	5	4.63	34	126	4.6	26.4	23	17.8	0.39	9.42	<1	0.69	2.68
L0525N 4500E	5517527	684496	1426		22	10.8	4.9	6.13	66	67	4.8	19.3	25.7	23.9	0.7	8.07	<1	0.57	3.54
L0525N 4600E	5517524	684600	1433		11.4	5.49	6.1	3.06	22	49	3	22.9	27	12.8	0.38	6.89	<1	0.55	1.82
L0600N 3750E	5517586	683747	1403		20.3	9.75	7.1	5.76	40	95	9	23.5	33.4	23	<0.05	9	<1	0.38	3.13
L0600N 3850E	5517602	683852	1403		38.2	19.4	5.9	13.3	71	210	7.3	29.2	30.9	51	0.84	17	<1	0.53	6.97
L0600N 3950E	5517602	683948	1409		12	24.7	6.2	15.2	29	192	1	16.9	27.3	59.7	1.34	12.8	<1	0.68	8.37
L0600N 4050E	5517605	684056	1408		5.8	5.75	3	3.49	25	40	2.7	17.4	12.2	13.9	0.14	5.88	<1	0.45	1.96
L0600N 4150E	5517600	684152	1402		14.6	44.9	4.1	24.8	11	81	<0.5	7.8	20.9	93.2	1.14	14.7	<1	0.6	14.2
L0600N 4250E	5517604	684248	1409		21.3	13.3	3.2	7.45	94	109	10.2	30.6	15.6	29	1.02	13	<1	0.54	4.27
L0600N 4350E	5517600	684354	1416		19.5	80.2	6.9	45.2	13	163	0.6	30.5	32.5	177	2.04	26.3	<1	0.79	25.8
L0600N 4450E	5517600	684449	1421		21.7	13.9	9.1	7.99	28	42	4.9	16.7	39.7	31.2	0.58	8.43	<1	0.64	4.49
L0600N 4550E	5517601	684549	1440		29.8	61.1	15	35.4	18	76	1.2	9.9	63.9	141	1.08	17.9	<1	0.27	19.8
L0600N 4650E	5517602	684652	1442		20.9	17.8	7.2	9.73	37	155	1.6	24.7	30.2	37.2	0.73	15	<1	0.46	5.77
L0675N 3800E	5517671	683801	1406		22.3	13.8	8.7	8.59	47	106	8.2	22.9	40.2	33.3	1	12.8	<1	0.64	4.79
L0675N 3900E	5517676	683902	1408		22.3	15.7	8.1	9.13	42	120	3.6	24.3	36.8	37.5	1.06	12.6	<1	0.6	5.45
L0675N 4000E	5517674	684000	1416		18.5	7.54	6.8	4.19	89	57	15.6	23.7	29.8	18	0.38	7.47	<1	0.55	2.59
L0675N 4100E	5517674	684101	1404		57.1	108	24.2	58.4	26	298	1.6	22.2	105	230	0.94	22.3	<1	0.59	36.2
L0675N 4200E	5517675	684202	1412		10	25.3	5.4	14.6	33	88	0.9	11.8	21.6	59.2	1.3	14.3	<1	0.24	8.68
L0675N 4300E	5517676	684302	1418		25.7	29.1	12.5	17.5	32	145	1.4	13.7	53.5	68.5	1.03	12.7	<1	0.24	10.2
L0675N 4400E	5517674	684399	1434		22.2	19.4	8.8	11.4	57	218	3	33.4	39.2	43.7	1.31	15.7	<1	0.65	6.7
L0750N 3750E	5517750	683750	1415		18	6.22	6.4	3.39	134	118	17.6	26.1	28.4	14	0.49	9.35	<1	0.26	2.11
L0750N 3850E	5517749	683852	1408		52.1	33.4	16.4	20.3	95	302	1	37.2	74.4	79.4	1.4	16.8	<1	0.59	11.8
L0750N 3950E	5517751	683950	1410		16.8	6.55	5.6	3.8	131	68	22.9	25.3	26.2	15.7	0.84	7.91	<1	0.39	2.3
L0750N 4050E	5517752	684049	1402		16	10.2	5.2	6.31	36	51	6.2	24.3	25.5	24.8	0.85	7.41	<1	0.46	3.41
L0750N 4150E	5517752	684150	1407		11.3	31.2	5.4	19.7	25	94	<0.5	10.8	23.4	77.3	1.2	12.1	<1	0.49	10.6
L0750N 4250E	5517749	684251	1416		27.1	31.8	12.7	19.3	55	91	0.7	8	53	80.1	1.72	12.4	<1	0.26	10.7
L0750N 4350E	5517749	684351	1422		27.8	79	8.8	46.3	17	134	<0.5	37.9	39.5	186	0.64	21.4	<1	0.54	27.9
L0750N 4450E	5517750	684455	1433		13.9	29	7.3	16.8	53	165	<0.5	19.5	30.7	70.7	1.38	13.6	<1	0.1	10.2
L0825N 3800E	5517824	683801	1401		29.5	13.3	8.3	7.66	121	108	15.3	31.1	36.8	31.8	0.88	10.1	<1	0.46	4.77
L0825N 3900E	5517825	683900	1402		11.6	8.24	3.8	4.88	145	64	24.8	29.8	15.4	21.1	0.78	7.53	1	0.57	2.95
L0825N 4000E	5517824	684000	1399		46.3	186	21.2	118	27	145	<0.5	9.1	90.1	476	4.83	22.7	<1	0.95	66.5
L0825N 4100E	5517824	684100	1402		29.4	12.6	11.3	7.33	27	94	1.9	32.8	50.1	30.4	0.38	10.6	<1	0.35	4.48

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STN ID	NORTH	EAST	ELEV	ELEMENT	I	In	In1	K	K1	La	La1	Li	Li1	Lu	Mg	Mg1	Mn	Mn1	Mo
				ANALYTICAL LIMITS	ppb	ppb	ppb	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppm	ppb	ppb	ppb
				ANALYTICAL PROCEDURE	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M
				ANAYTICAL LIMITS	1	0.1	0.1	0.5	5	1	0.01	1	0.2	0.01	0.5	2	100	0.1	2
L0450N 3850E	5517450	683851	1398		92	0.1	0.3	30.9	21	49	57.7	2	< 0.2	0.63	6.1	12	6200	10600	3
L0450N 3950E	5517447	683952	1415		71	<0.1	0.2	81.8	48	27	41	1	< 0.2	0.54	17.6	47	5600	15000	5
L0450N 4050E	5517453	684050	1413		109	0.1	0.2	43	18	46	72.2	3	< 0.2	0.82	5.5	16	7600	6740	4
L0450N 4150E	5517448	684156	1408		70	<0.1	0.2	65.4	31	26	38.8	<1	< 0.2	0.48	31.2	36	1600	3310	8
L0450N 4250E	5517448	684252	1417		97	<0.1	0.3	43.9	24	42	67.9	1	< 0.2	0.94	15.2	36	3100	2780	2
L0450N 4350E	5517449	684351	1422		57	<0.1	0.2	105	57	55	102	<1	< 0.2	1.16	11.7	25	8800	2680	6
L0450N 4450E	5517449	684450	1417		116	<0.1	0.2	27	27	31	84.2	<1	< 0.2	1.35	9.8	23	2600	1890	3
L0450N 4550E	5517444	684548	1432		108	<0.1	0.4	45.6	32	42	216	1	7.2	3.01	35.6	88	12800	24200	2
L0525N 3700E	5517528	683700	1397		79	0.1	0.2	43.1	34	44	56.4	1	< 0.2	0.88	7.8	19	4100	5830	4
L0525N 3800E	5517523	683800	1401		110	<0.1	0.2	58.7	35	48	93.3	<1	< 0.2	1.21	13.3	28	2100	7380	4
L0525N 3900E	5517523	683895	1409		77	<0.1	0.3	60	30	31	50	<1	< 0.2	0.69	14.9	34	2400	8710	3
L0525N 4000E	5517525	684000	1413		72	<0.1	0.3	28.8	23	31	168	<1	7.9	1.79	103	166	300	17600	<2
L0525N 4100E	5517525	684101	1403		114	0.1	0.6	18.7	19	48	66.7	2	8.2	0.82	38.5	40	1800	2310	3
L0525N 4200E	5517527	684205	1408		137	<0.1	0.2	29.2	23	38	88.5	<1	< 0.2	1.36	10.1	25	1600	3580	2
L0525N 4300E	5517522	684300	1426		79	0.1	0.2	78.1	51	35	49.3	<1	< 0.2	0.65	10.9	20	5500	14400	2
L0525N 4400E	5517516	684402	1433		74	<0.1	0.3	53	33	41	63.5	<1	< 0.2	0.74	11.2	17	2300	17300	<2
L0525N 4500E	5517527	684496	1426		119	<0.1	0.1	46.7	48	31	86.6	<1	< 0.2	1.26	11.2	36	4300	5360	<2
L0525N 4600E	5517524	684600	1433		75	<0.1	< 0.1	50.4	22	55	45.6	<1	< 0.2	0.62	17	20	800	7010	3
L0600N 3750E	5517586	683747	1403		112	<0.1	0.2	68.3	41	41	82.9	<1	< 0.2	1.05	6.5	31	2400	3300	9
L0600N 3850E	5517602	683852	1403		148	0.1	0.4	19.9	18	32	187	<1	0.7	1.95	6.4	22	600	1320	<2
L0600N 3950E	5517602	683948	1409		81	<0.1	0.4	32.6	26	52	240	<1	3	2.7	79.4	151	800	16700	<2
L0600N 4050E	5517605	684056	1408		80	<0.1	0.1	38.7	30	25	55.9	<1	< 0.2	0.63	13.5	28	1800	3280	6
L0600N 4150E	5517600	684152	1402		549	<0.1	0.1	30.6	14	9	221	1	7.7	6.18	146	506	3200	6810	<2
L0600N 4250E	5517604	684248	1409		129	<0.1	0.2	33.7	28	16	94.4	1	< 0.2	1.41	6	38	1800	7320	<2
L0600N 4350E	5517600	684354	1416		362	<0.1	0.3	37.8	22	20	479	<1	10.9	9.99	129	340	3500	11000	<2
L0600N 4450E	5517600	684449	1421		138	<0.1	0.1	23.8	20	62	115	<1	0.6	1.52	10.5	38	1500	2980	<2
L0600N 4550E	5517601	684549	1440		145	<0.1	< 0.1	21.3	10	80	470	3	2.1	7.37	132	229	1400	4760	3
L0600N 4650E	5517602	684652	1442		138	<0.1	0.3	51.4	23	42	106	<1	< 0.2	2.12	66.5	101	1400	4390	3
L0675N 3800E	5517671	683801	1406		113	<0.1	0.3	63.2	37	91	128	1	10.4	1.97	21	32	2800	5400	3
L0675N 3900E	5517676	683902	1408		125	<0.1	0.3	52.9	27	60	125	1	< 0.2	1.84	36.4	59	1800	2900	2
L0675N 4000E	5517674	684000	1416		105	<0.1	0.1	39	33	72	68.7	1	< 0.2	0.82	8.4	19	8100	7690	4
L0675N 4100E	5517674	684101	1404		267	<0.1	0.5	41.8	23	117	573	1	7.7	13.9	116	255	1500	4010	3
L0675N 4200E	5517675	684202	1412		102	<0.1	0.1	41.1	23	40	190	<1	1.5	3.11	83.4	150	800	3720	3
L0675N 4300E	5517676	684302	1418		79	<0.1	0.3	45.7	20	78	224	<1	2.5	3.28	124	188	1200	5820	3
L0675N 4400E	5517674	684399	1434		121	<0.1	0.4	49.4	28	57	127	<1	0.8	2.27	50.9	104	2200	8570	2
L0750N 3750E	5517750	683750	1415		93	0.2	0.2	44.5	14	68	45.6	6	< 0.2	0.73	23.7	35	11400	11300	7
L0750N 3850E	5517749	683852	1408		91	<0.1	0.6	30.3	23	120	298	<1	7.4	3.52	75.4	90	1500	1680	3
L0750N 3950E	5517751	683950	1410		106	0.2	0.2	72.7	31	61	58	6	< 0.2	0.75	14.6	17	9500	7380	6
L0750N 4050E	5517752	684049	1402		125	<0.1	0.1	36.7	17	46	104	1	< 0.2	1.12	19.8	41	1900	2160	8
L0750N 4150E	5517752	684150	1407		108	<0.1	0.2	26.1	13	22	255	<1	2.2	3.82	65.1	197	1500	3610	3
L0750N 4250E	5517749	684251	1416		137	<0.1	0.2	33.8	11	106	253	3	1.9	3.86	106	191	3700	3860	4
L0750N 4350E	5517749	684351	1422		239	<0.1	0.2	56.2	24	42	558	<1	13.9	8.89	144	264	12600	16300	5
L0750N 4450E	5517750	684455	1433		128	<0.1	0.3	29.9	16	62	246	<1	3.4	3.64	93.9	167	700	8940	4
L0825N 3800E	5517824	683801	1401		151	0.1	0.2	41.4	21	69	102	3	< 0.2	1.79	15.3	34	5500	4260	3
L0825N 3900E	5517825	683900	1402		109	0.2	0.2	34.2	25	42	79.1	7	< 0.2	1.02	6.5	28	11300	8570	7
L0825N 4000E	5517824	684000	1399		541	<0.1	0.3	32.9	15	110	1140	<1	5.9	25.4	79.5	392	1900	2830	3
L0825N 4100E	5517824	684100	1402		136	<0.1	0.2	66.2	25	77	95.9	<1	< 0.2	1.71	36.4	49	1400	6250	<2

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STN ID	NORTH	EAST	ELEV	ELEMENT	Mo1	Nb	Nb1	Nd	Nd1	Ni	Ni1	P	Pb	Pb1	Pd	Pd1	Pr	Pr1	Pt	Pt1
				ANALYTICAL LIMITS	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
				ANALYTICAL PROCEDURE	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH
				ANAYTICAL LIMITS	2	0.5	0.2	1	0.03	5	0.2	0.1	5	0.1	1	0.5	0.5	0.01	0.1	0.5
L0450N 3850E	5517450	683851	1398		9	1.9	4.4	80	73.4	86	15.3	4.8	128	21.9	<1	<0.5	17.8	16.5	<0.1	<0.5
L0450N 3950E	5517447	683952	1415		7	2.8	7.3	38	47.7	124	13.9	4.8	82	11.9	<1	<0.5	8.7	11.1	<0.1	<0.5
L0450N 4050E	5517453	684050	1413		10	2.8	3.8	72	91.7	122	8.1	7.3	160	9.4	<1	<0.5	16.2	20.8	<0.1	<0.5
L0450N 4150E	5517448	684156	1408		11	0.6	7.5	40	49.1	50	13	1.5	58	21.3	<1	<0.5	8.9	11	<0.1	<0.5
L0450N 4250E	5517448	684252	1417		10	1.4	10.2	71	87.9	74	13	2.4	117	20.1	<1	<0.5	15	19.8	<0.1	<0.5
L0450N 4350E	5517449	684351	1422		14	1.8	7.6	97	129	76	<0.2	3.3	127	8.1	<1	<0.5	20.7	29.5	<0.1	<0.5
L0450N 4450E	5517449	684450	1417		13	0.7	4	62	121	73	8.2	2	151	5.9	<1	<0.5	12.1	26.3	<0.1	<0.5
L0450N 4550E	5517444	684548	1432		9	0.9	9.7	75	276	166	37.9	1.4	120	60	<1	<0.5	15.4	58.6	<0.1	<0.5
L0525N 3700E	5517528	683700	1397		9	1.9	4.8	74	75.9	55	8.2	2.8	109	11.9	<1	<0.5	15.9	17.1	<0.1	<0.5
L0525N 3800E	5517523	683800	1401		10	0.8	4.2	75	123	75	18.7	1.8	88	11	<1	<0.5	16	27.2	<0.1	<0.5
L0525N 3900E	5517523	683895	1409		8	0.8	7.3	47	60.1	44	4.8	1.2	85	15.9	<1	<0.5	10.3	13.9	<0.1	<0.5
L0525N 4000E	5517525	684000	1413		11	0.8	16	55	190	138	66.4	0.4	13	71.2	<1	<0.5	11.8	43.1	<0.1	<0.5
L0525N 4100E	5517525	684101	1403		13	3.5	21.8	82	84.7	110	45.1	4.7	85	69.1	<1	<0.5	17.3	18.8	<0.1	<0.5
L0525N 4200E	5517527	684205	1408		13	<0.5	6.6	75	125	21	1.7	0.4	118	14.3	<1	<0.5	14.4	27.6	<0.1	<0.5
L0525N 4300E	5517522	684300	1426		10	0.6	6.3	58	62.6	77	16	1.1	132	20.2	<1	<0.5	12.2	14.4	<0.1	<0.5
L0525N 4400E	5517516	684402	1433		9	0.5	7	68	84.2	28	8.3	1.1	78	13.2	<1	<0.5	14	18.9	<0.1	<0.5
L0525N 4500E	5517527	684496	1426		12	0.5	3.8	62	113	65	0.5	0.9	104	3.8	<1	<0.5	11.7	25	<0.1	<0.5
L0525N 4600E	5517524	684600	1433		9	<0.5	3.1	95	59.5	11	0.3	1.3	44	5.1	<1	<0.5	18.7	13.5	<0.1	<0.5
L0600N 3750E	5517586	683747	1403		13	<0.5	6.1	88	108	39	10.5	0.8	89	11.1	<1	<0.5	16.8	23.9	<0.1	<0.5
L0600N 3850E	5517602	683852	1403		14	0.6	13.9	72	238	66	7.8	1	152	25.9	<1	<0.5	14.3	53.3	<0.1	<0.5
L0600N 3950E	5517602	683948	1409		8	<0.5	15.5	85	276	104	32.2	0.5	20	43.3	<1	<0.5	17.8	62.5	<0.1	<0.5
L0600N 4050E	5517605	684056	1408		8	<0.5	2.4	43	67.7	23	<0.2	0.9	33	1.2	<1	<0.5	9.1	15.3	<0.1	<0.5
L0600N 4150E	5517600	684152	1402		14	<0.5	5.5	28	338	303	77.2	<0.1	16	8.1	<1	0.6	4.3	66.8	<0.1	<0.5
L0600N 4250E	5517604	684248	1409		9	1	8.1	35	127	55	<0.2	1.4	152	10.9	<1	<0.5	6.8	28.4	<0.1	<0.5
L0600N 4350E	5517600	684354	1416		10	<0.5	14.2	55	681	215	63.9	0.1	26	34.6	<1	<0.5	9	138	<0.1	<0.5
L0600N 4450E	5517600	684449	1421		6	<0.5	2.8	124	152	22	<0.2	0.5	87	2.6	<1	<0.5	25	33.3	<0.1	<0.5
L0600N 4550E	5517601	684549	1440		5	<0.5	7.7	179	603	270	28.8	0.3	<5	4.7	<1	<0.5	34.4	127	<0.1	<0.5
L0600N 4650E	5517602	684652	1442		10	1	10.6	76	152	92	2.7	1	55	16.9	<1	<0.5	15.1	33.3	<0.1	<0.5
L0675N 3800E	5517671	683801	1406		8	1.7	5.6	135	167	51	12.9	2	75	11.9	<1	<0.5	30.1	37.9	<0.1	<0.5
L0675N 3900E	5517676	683902	1408		9	1.1	6.8	100	160	59	<0.2	0.9	78	9.8	<1	<0.5	20.5	36.8	<0.1	<0.5
L0675N 4000E	5517674	684000	1416		9	2.6	3.7	109	84.5	64	0.9	3.5	147	5.7	<1	<0.5	23.9	20.3	<0.1	<0.5
L0675N 4100E	5517674	684101	1404		10	<0.5	17.6	258	835	327	58.5	0.6	26	37.8	<1	<0.5	48.3	173	<0.1	<0.5
L0675N 4200E	5517675	684202	1412		7	1.3	12.4	74	237	97	16.7	0.9	17	19.2	<1	<0.5	15.1	52.9	<0.1	<0.5
L0675N 4300E	5517676	684302	1418		7	0.9	13.8	147	272	112	24.1	1.1	27	24.4	<1	<0.5	29.1	60	<0.1	<0.5
L0675N 4400E	5517674	684399	1434		10	1.7	16.4	100	177	64	9.5	1.3	84	31.8	<1	<0.5	19.9	38.8	<0.1	<0.5
L0750N 3750E	5517750	683750	1415		10	5.8	6.7	92	59.8	81	7.5	7.9	111	12	<1	<0.5	20.7	13.7	<0.1	<0.5
L0750N 3850E	5517749	683852	1408		9	1.7	19.4	197	328	146	75	1.2	113	47.6	<1	<0.5	40.3	75.9	<0.1	<0.5
L0750N 3950E	5517751	683950	1410		10	5.8	4.2	88	71.9	100	<0.2	7.3	155	6.1	<1	<0.5	19.5	16.7	<0.1	<0.5
L0750N 4050E	5517752	684049	1402		13	1	2.3	76	120	34	<0.2	1.5	77	5.7	<1	<0.5	16	28.7	<0.1	<0.5
L0750N 4150E	5517752	684150	1407		8	0.5	6.6	59	307	191	28.5	0.3	11	10.5	<1	<0.5	10.7	67.7	<0.1	<0.5
L0750N 4250E	5517749	684251	1416		9	1.2	6.1	169	309	189	24.4	0.9	43	7.6	<1	<0.5	34.9	68.8	<0.1	<0.5
L0750N 4350E	5517749	684351	1422		10	0.8	19.4	89	663	371	110	0.9	48	57	<1	<0.5	17	147	<0.1	<0.5
L0750N 4450E	5517750	684455	1433		8	1	11.4	110	312	107	29.8	0.9	9	26	<1	<0.5	21.8	72	<0.1	<0.5
L0825N 3800E	5517824	683801	1401		9	3.6	5.9	113	151	90	17.7	5.2	147	7	<1	<0.5	23.8	34.2	<0.1	<0.5
L0825N 3900E	5517825	683900	1402		12	7	4.2	57	106	137	7.3	14	198	4.8	<1	<0.5	12.8	24.7	<0.1	<0.5
L0825N 4000E	5517824	684000	1399		16	<0.5	11.1	246	1750	246	82.6	0.2	12	12.6	<1	0.5	45.5	364	<0.1	<0.5
L0825N 4100E	5517824	684100	1402		11	<0.5	6.1	137	142	28	0.7	0.6	59	10.5	<1	<0.5	27.2	32.2	<0.1	<0.5

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STN ID	NORTH	EAST	ELEV	ELEMENT	Rb	Rb1	Re	Ru	Sb	Sb1	Sc	Sc1	Se	Sm	Sm1	Sn	Sr	Sr1	Ta
				ANALYTICAL LIMITS	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
				ANALYTICAL PROCEDURE	MMI-M	BIOLEACH	BIOLEACH	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	BIOLEACH	MMI-M	BIOLEACH	MMI-M	MMI-M	BIOLEACH	MMI-M
				ANAYTICAL LIMITS	1	0.1	0.01	0.05	0.5	0.2	5	0.5	1	1	0.03	1	10	0.1	1
L0450N 3850E	5517450	683851	1398		119	29.3	< 0.01	< 0.05	<0.5	0.6	58	38.7	4	21	17.4	<1	200	118	<1
L0450N 3950E	5517447	683952	1415		168	36.2	< 0.01	< 0.05	<0.5	0.8	68	54.7	3	10	11.4	<1	470	563	<1
L0450N 4050E	5517453	684050	1413		148	28.4	< 0.01	< 0.05	<0.5	0.6	71	43.8	2	18	20.5	<1	160	180	<1
L0450N 4150E	5517448	684156	1408		162	27.4	0.01	< 0.05	<0.5	0.7	34	34.1	3	10	11.4	<1	400	294	<1
L0450N 4250E	5517448	684252	1417		142	31.5	< 0.01	< 0.05	<0.5	0.7	56	48	4	20	20.5	<1	460	470	<1
L0450N 4350E	5517449	684351	1422		226	43.1	< 0.01	< 0.05	<0.5	0.7	77	67.9	7	25	29	<1	200	271	<1
L0450N 4450E	5517449	684450	1417		139	39.9	< 0.01	< 0.05	<0.5	0.6	65	61.3	7	18	28.2	<1	330	210	<1
L0450N 4550E	5517444	684548	1432		92	39.6	0.01	< 0.05	<0.5	1.3	76	118	5	21	62.2	<1	940	1270	<1
L0525N 3700E	5517528	683700	1397		128	28.5	< 0.01	< 0.05	<0.5	0.5	72	54.6	< 1	21	17.2	<1	220	201	<1
L0525N 3800E	5517523	683800	1401		182	44.3	0.01	< 0.05	<0.5	0.7	53	51	3	20	27.8	<1	460	294	<1
L0525N 3900E	5517523	683895	1409		137	29.3	< 0.01	< 0.05	<0.5	0.7	49	43.7	2	12	13.6	<1	390	409	<1
L0525N 4000E	5517525	684000	1413		32	19.3	< 0.01	< 0.05	<0.5	0.9	14	66.4	5	16	41	<1	2560	1710	<1
L0525N 4100E	5517525	684101	1403		74	19	< 0.01	< 0.05	<0.5	1.2	80	61.1	5	23	20.3	<1	850	568	<1
L0525N 4200E	5517527	684205	1408		140	35.7	< 0.01	< 0.05	<0.5	1.3	46	53.2	4	21	29.7	<1	340	362	<1
L0525N 4300E	5517522	684300	1426		207	54.5	< 0.01	< 0.05	<0.5	0.5	47	33.6	3	16	15.4	<1	230	239	<1
L0525N 4400E	5517516	684402	1433		198	56.2	0.01	< 0.05	<0.5	0.7	47	44	4	18	19.9	<1	330	149	<1
L0525N 4500E	5517527	684496	1426		137	36	0.02	< 0.05	<0.5	1.3	53	56.1	5	18	26.5	<1	450	439	<1
L0525N 4600E	5517524	684600	1433		162	37.8	0.01	< 0.05	<0.5	0.5	42	36.7	3	23	14.6	<1	520	265	<1
L0600N 3750E	5517586	683747	1403		166	35.6	< 0.01	< 0.05	<0.5	1.1	65	50.5	2	27	25	<1	100	334	<1
L0600N 3850E	5517602	683852	1403		83	28.5	< 0.01	< 0.05	<0.5	1.2	51	64.1	5	22	55.9	<1	280	370	<1
L0600N 3950E	5517602	683948	1409		37	10	0.01	< 0.05	<0.5	0.9	19	69.3	2	21	63.3	<1	2400	1840	<1
L0600N 4050E	5517605	684056	1408		157	32.8	< 0.01	< 0.05	<0.5	0.6	27	38.5	3	11	15.6	<1	380	605	<1
L0600N 4150E	5517600	684152	1402		68	17.6	0.13	< 0.05	<0.5	2.3	14	151	25	11	89.2	<1	3380	1650	<1
L0600N 4250E	5517604	684248	1409		139	46.3	< 0.01	< 0.05	<0.5	0.8	50	65.5	4	10	30.9	<1	210	445	<1
L0600N 4350E	5517600	684354	1416		73	37.2	0.1	< 0.05	<0.5	2.6	18	279	21	19	176	<1	2930	2370	<1
L0600N 4450E	5517600	684449	1421		114	22.9	0.01	< 0.05	<0.5	1.1	56	83.2	3	35	34.9	<1	400	776	<1
L0600N 4550E	5517601	684549	1440		63	21.9	0.02	< 0.05	1.1	1.4	17	124	8	50	145	<1	3990	2480	<1
L0600N 4650E	5517602	684652	1442		141	34.7	< 0.01	< 0.05	0.9	1	58	82.3	4	21	38	<1	2280	974	<1
L0675N 3800E	5517671	683801	1406		192	45.4	< 0.01	< 0.05	<0.5	0.6	89	75.4	5	34	37.4	<1	730	358	<1
L0675N 3900E	5517676	683902	1408		120	33.1	< 0.01	< 0.05	<0.5	0.9	55	65.2	4	27	37.9	<1	1060	737	<1
L0675N 4000E	5517674	684000	1416		142	40.6	< 0.01	< 0.05	<0.5	0.6	79	46.4	4	26	18.9	<1	340	319	<1
L0675N 4100E	5517674	684101	1404		62	18.2	0.05	< 0.05	<0.5	2.3	47	251	13	76	217	<1	2940	2290	<1
L0675N 4200E	5517675	684202	1412		53	12.4	0.02	< 0.05	<0.5	1.5	26	75.3	5	18	57.3	<1	2730	2350	<1
L0675N 4300E	5517676	684302	1418		78	11.1	0.02	< 0.05	<0.5	1.1	43	132	2	39	65.3	<1	3450	2680	<1
L0675N 4400E	5517674	684399	1434		140	42.6	< 0.01	< 0.05	<0.5	1.3	72	90	4	28	42.8	<1	1760	1570	<1
L0750N 3750E	5517750	683750	1415		188	28.4	< 0.01	< 0.05	<0.5	0.9	108	50.3	3	24	14.3	<1	590	447	<1
L0750N 3850E	5517749	683852	1408		94	39.9	0.02	< 0.05	<0.5	1.2	93	117	< 1	54	77.2	<1	2110	1280	<1
L0750N 3950E	5517751	683950	1410		192	39.9	< 0.01	< 0.05	<0.5	0.7	78	46.5	4	23	16.5	<1	520	343	<1
L0750N 4050E	5517752	684049	1402		189	39.5	0.01	< 0.05	<0.5	0.7	40	47.9	5	21	27.1	<1	450	383	<1
L0750N 4150E	5517752	684150	1407		66	14.2	0.06	< 0.05	<0.5	2.6	12	118	7	19	75.1	<1	2020	2210	<1
L0750N 4250E	5517749	684251	1416		58	10.1	0.11	< 0.05	<0.5	3.1	47	117	12	44	75.2	<1	2420	1970	<1
L0750N 4350E	5517749	684351	1422		63	26	0.05	< 0.05	<0.5	2.5	17	249	3	27	173	<1	4140	3100	<1
L0750N 4450E	5517750	684455	1433		60	16	0.01	< 0.05	<0.5	1.5	22	119	2	27	69.1	<1	3220	2410	<1
L0825N 3800E	5517824	683801	1401		181	42.5	< 0.01	< 0.05	<0.5	0.8	110	79.9	5	30	32.5	<1	550	450	<1
L0825N 3900E	5517825	683900	1402		164	41.7	0.01	< 0.05	<0.5	0.9	83	55.7	2	15	21.3	<1	90	297	<1
L0825N 4000E	5517824	684000	1399		54	12.7	0.17	< 0.05	<0.5	6.3	31	327	15	69	429	<1	2340	1840	<1
L0825N 4100E	5517824	684100	1402		164	43.6	0.01	< 0.05	<0.5	1.1	63	68.1	6	38	29.8	<1	990	419	<1

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STN ID	NORTH	EAST	ELEV	ELEMENT	Ta1	Tb	Tb1	Te	Te1	Th	Th1	Ti	Tl	Tl1	Tm	U	U1	V	W
				ANALYTICAL LIMITS	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
				ANALYTICAL PROCEDURE	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	MMI-M	BIOLEACH	BIOLEACH	MMI-M	BIOLEACH	BIOLEACH	MMI-M
				ANAYTICAL LIMITS	0.01	0.1	0.01	10	1	0.5	0.02	10	0.1	0.2	0.01	0.5	0.01	1	0.5
L0450N 3850E	5517450	683851	1398		0.25	3.9	2.31	<10	<1	14.5	14.4	540	0.2	0.3	0.76	12.2	16	151	<0.5
L0450N 3950E	5517447	683952	1415		0.33	2	1.65	<10	<1	14	14.1	480	0.1	0.3	0.62	11.4	11.7	216	<0.5
L0450N 4050E	5517453	684050	1413		0.21	3.6	2.75	<10	<1	20	14.1	830	0.2	0.4	0.88	13	17.4	117	<0.5
L0450N 4150E	5517448	684156	1408		0.4	1.9	1.66	<10	<1	7	10.5	250	0.1	0.2	0.53	10.8	10.5	193	<0.5
L0450N 4250E	5517448	684252	1417		0.46	4.3	2.82	<10	<1	10.6	12.5	340	<0.1	<0.2	1.02	12.8	17.4	259	<0.5
L0450N 4350E	5517449	684351	1422		0.38	4.9	3.7	<10	<1	15.4	12.7	310	<0.1	0.2	1.17	19.6	14.9	165	<0.5
L0450N 4450E	5517449	684450	1417		0.27	4.2	3.71	<10	<1	10.4	15.3	320	0.2	0.3	1.39	13.4	17	251	<0.5
L0450N 4550E	5517444	684548	1432		0.42	4.6	8.48	<10	<1	10.5	14.2	180	<0.1	0.6	3.03	17.7	24.2	613	<0.5
L0525N 3700E	5517528	683700	1397		0.27	4.1	2.46	<10	<1	13.9	16.4	410	0.2	0.3	0.9	16.1	12.5	154	<0.5
L0525N 3800E	5517523	683800	1401		0.2	3.9	3.63	<10	<1	7.7	16.9	200	0.3	0.4	1.25	16.4	17.6	172	<0.5
L0525N 3900E	5517523	683895	1409		0.45	2.7	1.93	<10	<1	7.3	12.5	130	0.2	0.3	0.71	13.1	14	216	<0.5
L0525N 4000E	5517525	684000	1413		0.34	2.7	5.47	<10	1	12.2	23.1	<10	<0.1	0.3	1.86	25	21.2	594	<0.5
L0525N 4100E	5517525	684101	1403		0.5	4.8	3	<10	<1	15.7	19.9	530	0.1	<0.2	1.01	20	18	580	<0.5
L0525N 4200E	5517527	684205	1408		0.41	5	3.82	<10	<1	5.8	13.8	40	0.2	0.7	1.4	17.2	25.6	253	<0.5
L0525N 4300E	5517522	684300	1426		0.31	3.6	2.02	<10	<1	10.3	17.1	170	0.2	0.3	0.67	12.4	13.8	125	<0.5
L0525N 4400E	5517516	684402	1433		0.37	3.6	2.67	<10	<1	5.4	12.4	110	0.2	0.4	0.88	12.6	13.2	203	<0.5
L0525N 4500E	5517527	684496	1426		0.19	4.6	3.36	<10	<1	9	13.6	120	0.2	0.8	1.32	15.5	22.8	222	<0.5
L0525N 4600E	5517524	684600	1433		0.22	3.6	1.95	<10	<1	5.8	9.88	60	0.2	0.5	0.68	11.9	13.9	154	<0.5
L0600N 3750E	5517586	683747	1403		0.25	5.2	3.36	<10	<1	7.4	11.6	40	0.2	0.6	1.1	14.9	18.2	214	<0.5
L0600N 3850E	5517602	683852	1403		0.45	6.3	7.34	<10	<1	9.2	19	140	0.2	0.4	2.18	17	32.6	350	<0.5
L0600N 3950E	5517602	683948	1409		0.41	3.9	8.26	<10	<1	10.2	21.8	20	<0.1	0.2	2.8	18.5	32.8	617	<0.5
L0600N 4050E	5517605	684056	1408		0.12	1.8	1.96	<10	<1	5.3	9.43	30	0.1	0.6	0.7	10.7	11	182	<0.5
L0600N 4150E	5517600	684152	1402		0.18	3.2	12.7	<10	<1	1.9	27.7	<10	<0.1	0.2	5.54	36.8	82.4	422	<0.5
L0600N 4250E	5517604	684248	1409		0.44	3.4	4.21	<10	<1	8	13.1	310	<0.1	0.6	1.49	8.3	21.3	258	<0.5
L0600N 4350E	5517600	684354	1416		0.34	4.6	24.2	<10	<1	3.7	44.9	<10	0.1	0.5	9.5	71.2	163	705	<0.5
L0600N 4450E	5517600	684449	1421		0.16	6.1	4.4	<10	<1	8	12	40	0.3	0.9	1.64	13.8	21.4	218	<0.5
L0600N 4550E	5517601	684549	1440		0.27	8.9	19	<10	<1	7.3	36.6	30	0.2	0.4	7.15	37.1	47.8	743	<0.5
L0600N 4650E	5517602	684652	1442		0.45	4.8	5.49	<10	<1	5.4	16	40	0.2	0.5	2.09	18.7	25.9	451	<0.5
L0675N 3800E	5517671	683801	1406		0.25	6.2	4.9	<10	<1	11.9	20.7	410	0.3	0.5	1.69	21.4	25.2	217	<0.5
L0675N 3900E	5517676	683902	1408		0.38	5.7	5.02	<10	<1	8.7	18.7	260	0.1	0.4	1.86	15.3	24.5	346	<0.5
L0675N 4000E	5517674	684000	1416		0.22	4.9	2.48	<10	<1	16	12.3	640	0.3	0.8	0.86	17.7	19.5	129	0.5
L0675N 4100E	5517674	684101	1404		0.48	14.9	31.8	<10	<1	7.4	47.8	30	0.2	0.6	12.5	118	101	768	<0.5
L0675N 4200E	5517675	684202	1412		0.48	3.1	7.93	<10	<1	11.3	24.9	70	<0.1	0.4	3.05	24.3	40.3	418	<0.5
L0675N 4300E	5517676	684302	1418		0.38	7.6	9.32	<10	<1	13.2	24.3	50	0.1	0.3	3.3	46.2	42.5	509	<0.5
L0675N 4400E	5517674	684399	1434		0.5	6.2	5.92	<10	<1	8.9	17.4	200	0.1	0.4	2.34	19.2	28.4	502	<0.5
L0750N 3750E	5517750	683750	1415		0.33	4.7	2.04	<10	<1	20.5	13.2	1540	0.2	0.3	0.73	16.1	14.2	227	0.8
L0750N 3850E	5517749	683852	1408		0.45	11.9	11.2	<10	<1	14.3	35.1	170	0.2	0.4	3.64	33.9	28.3	627	<0.5
L0750N 3950E	5517751	683950	1410		0.23	4.3	2.24	<10	<1	18.9	11.8	1690	0.4	0.7	0.78	15.6	18.7	175	0.9
L0750N 4050E	5517752	684049	1402		0.13	4	3.44	<10	<1	7.6	13.3	270	0.5	1.3	1.13	23.2	25.2	191	<0.5
L0750N 4150E	5517752	684150	1407		0.25	3.2	10.2	<10	<1	5.1	19.4	30	0.3	0.6	3.58	74.4	78.3	479	<0.5
L0750N 4250E	5517749	684251	1416		0.24	7.5	10.1	<10	<1	13.5	20.6	100	0.2	0.4	3.56	35.5	94.5	584	<0.5
L0750N 4350E	5517749	684351	1422		0.36	5.9	25.9	<10	<1	10.7	46.2	20	0.1	0.3	8.79	141	157	591	<0.5
L0750N 4450E	5517750	684455	1433		0.31	4.4	9.34	<10	<1	15.1	23.8	30	<0.1	0.3	3.54	55.5	60.7	695	<0.5
L0825N 3800E	5517824	683801	1401		0.28	6.6	4.26	<10	<1	15.4	16.5	910	0.4	0.8	1.73	14.2	26.1	244	<0.5
L0825N 3900E	5517825	683900	1402		0.22	3.1	2.77	<10	<1	24.9	12.1	1570	0.3	0.8	1.06	11.8	20.6	183	1
L0825N 4000E	5517824	684000	1399		0.41	12	59.8	<10	<1	5.7	36.2	20	0.9	1.6	23.7	138	389	881	<0.5
L0825N 4100E	5517824	684100	1402		0.31	7.7	4.13	<10	<1	4.9	15.5	50	0.2	0.8	1.69	18.5	29.1	334	<0.5

2023 MASTER SOIL DATABASE R2

STN ID	NORTH	EAST	ELEV	ELEMENT	W1	WTKG	Y	Y1	Yb	Yb1	Zn	Zn1	Zr	Zr1
				ANALYTICAL LIMITS	ppb	kg	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
				ANALYTICAL PROCEDURE	BIOLEACH	MMI-M	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH
				ANAYTICAL LIMITS	0.01	0.01	1	0.02	0.2	0.02	10	2	2	0.5
L0450N 3850E	5517450	683851	1398		1.9	0.37	142	57.6	13.6	5.06	120	127	201	266
L0450N 3950E	5517447	683952	1415		2.15	0.35	61	44.9	6.3	4.25	110	160	199	320
L0450N 4050E	5517453	684050	1413		2.19	0.33	126	71.9	12.2	6.14	110	95	289	303
L0450N 4150E	5517448	684156	1408		1.82	0.42	56	43.8	5.2	3.79	30	117	112	252
L0450N 4250E	5517448	684252	1417		2.23	0.38	185	84.2	15	6.92	60	102	132	325
L0450N 4350E	5517449	684351	1422		1.74	0.37	152	98.2	13.5	7.8	130	109	226	357
L0450N 4450E	5517449	684450	1417		2.33	0.31	170	108	17.2	9.49	230	73	122	302
L0450N 4550E	5517444	684548	1432		2.79	0.29	205	269	17.1	20.4	640	239	116	435
L0525N 3700E	5517528	683700	1397		1.85	0.29	140	65.4	13.3	5.87	80	211	212	336
L0525N 3800E	5517523	683800	1401		1.63	0.34	149	100	12.7	8.42	50	187	124	307
L0525N 3900E	5517523	683895	1409		1.83	0.35	87	53.6	8.2	4.52	70	100	113	313
L0525N 4000E	5517525	684000	1413		2.38	0.31	88	161	6.7	12.5	10	410	52	437
L0525N 4100E	5517525	684101	1403		3.02	0.37	178	74.9	16.9	6.35	30	159	183	449
L0525N 4200E	5517527	684205	1408		2.27	0.32	213	119	17.5	9.69	110	106	81	392
L0525N 4300E	5517522	684300	1426		1.57	0.3	137	53.2	13.2	4.82	140	200	138	352
L0525N 4400E	5517516	684402	1433		1.78	0.3	123	70.2	10.5	6.02	140	172	86	329
L0525N 4500E	5517527	684496	1426		2	0.24	196	108	17.6	8.75	200	118	105	296
L0525N 4600E	5517524	684600	1433		1.4	0.42	111	52.2	9	4.58	50	191	89	240
L0600N 3750E	5517586	683747	1403		1.85	0.24	179	94.6	17	6.98	20	211	100	324
L0600N 3850E	5517602	683852	1403		2.87	0.28	311	196	29.2	14	40	128	110	629
L0600N 3950E	5517602	683948	1409		2.3	0.27	138	257	10.2	18.1	40	195	51	444
L0600N 4050E	5517605	684056	1408		1.32	0.36	52	56.5	5	4.71	10	113	67	206
L0600N 4150E	5517600	684152	1402		3.76	0.19	148	505	12.5	38.6	30	62	8	692
L0600N 4250E	5517604	684248	1409		2.07	0.23	171	126	16.7	9.93	180	74	105	446
L0600N 4350E	5517600	684354	1416		2.98	0.28	202	906	15.8	64.3	70	168	18	1060
L0600N 4450E	5517600	684449	1421		1.71	0.33	217	142	17.1	10.6	110	118	87	316
L0600N 4550E	5517601	684549	1440		2.28	0.35	309	681	25	48.6	20	130	41	758
L0600N 4650E	5517602	684652	1442		2.58	0.36	198	180	17.2	14.5	100	93	56	539
L0675N 3800E	5517671	683801	1406		2.17	0.35	216	131	17.8	11.1	40	207	215	455
L0675N 3900E	5517676	683902	1408		2.14	0.33	236	160	17.5	12.8	180	51	118	487
L0675N 4000E	5517674	684000	1416		1.62	0.32	163	72.2	16	6.12	110	67	249	307
L0675N 4100E	5517674	684101	1404		2.62	0.33	600	1130	47.1	90.2	20	143	42	1080
L0675N 4200E	5517675	684202	1412		1.67	0.32	106	276	8.3	21	120	241	66	580
L0675N 4300E	5517676	684302	1418		2.02	0.36	285	308	20.2	23	70	76	68	517
L0675N 4400E	5517674	684399	1434		2.86	0.32	233	198	17.6	15.7	90	106	110	617
L0750N 3750E	5517750	683750	1415		2.08	0.34	154	54.9	14.3	5.11	340	158	297	363
L0750N 3850E	5517749	683852	1408		3.06	0.35	556	330	40.1	24.7	70	251	148	682
L0750N 3950E	5517751	683950	1410		1.75	0.3	159	61.5	14.2	5.38	210	152	315	314
L0750N 4050E	5517752	684049	1402		1.72	0.27	146	100	12.2	7.85	80	96	136	298
L0750N 4150E	5517752	684150	1407		3.22	0.35	136	352	10.5	24.7	30	217	28	466
L0750N 4250E	5517749	684251	1416		3.72	0.3	297	364	20.9	25.5	280	181	84	478
L0750N 4350E	5517749	684351	1422		2.22	0.29	247	896	25	61.3	40	198	52	851
L0750N 4450E	5517750	684455	1433		2.89	0.43	154	353	10.9	23.9	40	207	86	599
L0825N 3800E	5517824	683801	1401		2.46	0.32	281	146	22.3	11.4	280	86	229	415
L0825N 3900E	5517825	683900	1402		1.89	0.32	91	88.3	9.8	6.97	1050	58	374	304
L0825N 4000E	5517824	684000	1399		5.88	0.37	520	2710	36.1	160	20	99	45	1070
L0825N 4100E	5517824	684100	1402		2.18	0.35	322	137	23.1	10.7	100	98	84	439

2023 MASTER SOIL DATABASE R2

STN ID	NORTH	EAST	ELEV	ELEMENT	Ag	Ag1	Al	Al1	As	As1	Au	Au1	Au2	Ba	Ba1	Be	Bi	Bi1	Br	Ca
				ANALYTICAL LIMITS	ppb	ppb	ppm	ppm	ppb	ppb	ppt	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
				ANALYTICAL PROCEDURE	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	SGH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	BIOLEACH	MMI-M	BIOLEACH	BIOLEACH	MMI-M
L0825N 4200E	5517824	684201	1409		35.1	0.5	28	155	<10	82.1	11	0.3	<0.05	7380	5240	22.2	<0.5	0.3	501	692
L0825N 4300E	5517825	684300	1417		29.7	0.6	127	456	<10	63.2	27	0.1	<0.05	2730	3630	18.3	<0.5	0.6	215	198
L0825N 4400E	5517825	684400	1428		8	0.5	164	311	<10	49.8	30	<0.1	<0.05	2070	1530	13.9	<0.5	0.2	269	92
L0900N 3650E	5517900	683650	1399		26.8	0.6	123	410	<10	54.9	23	<0.1	<0.05	1820	1730	15.6	<0.5	0.2	223	218
L0900N 3750E	5517902	683752	1400		16.7	0.4	124	382	10	101	42	<0.1	0.05	5310	5520	24.7	<0.5	0.9	185	326
L0900N 3850E	5517899	683851	1403		19.8	0.4	156	198	<10	31.2	15	0.5	<0.05	1510	913	8.21	<0.5	<0.1	198	103
L0900N 3950E	5517901	683952	1401		44.4	0.5	103	190	<10	31.7	31	0.3	<0.05	1000	773	8.77	<0.5	<0.1	227	119
L0900N 4050E	5517906	684048	1405		35.3	0.6	128	279	<10	22.8	52	<0.1	<0.05	1540	672	10.2	<0.5	<0.1	232	154
L0900N 4150E	5517900	684151	1413		31.4	0.4	23	84.6	<10	42.1	9	0.2	0.05	9730	3790	14.1	<0.5	0.2	162	873
L0900N 4250E	5517902	684251	1415		32.6	0.5	31	122	<10	40.6	20	0.6	0.05	12400	5560	19.5	<0.5	0.3	171	764
L0900N 4350E	5517903	684352	1427		36.4	0.4	59	171	<10	86.7	27	0.3	<0.05	8430	4400	13.6	<0.5	0.4	164	637
L0900N 4450E	5517902	684452	1431		9.1	0.3	14	49.2	<10	43.2	23	1.8	<0.05	2850	6120	7.44	<0.5	0.1	104	545
L0975N 3200E	5517976	683198	1335		19.3	0.3	114	135	<10	22.1	45	0.2	<0.05	1000	882	6.64	<0.5	<0.1	171	176
L0975N 3300E	5517976	683300	1326		5.1	<0.2	99	160	<10	36.9	34	0.2	<0.05	6540	4010	12.8	<0.5	0.2	182	402
L0975N 3400E	5517976	683400	1314		12.1	0.3	128	227	<10	23	53	0.1	<0.05	1120	580	6.42	<0.5	<0.1	196	124
L0975N 3500E	5517973	683499	1355		32.1	0.4	52	174	<10	69.1	81	0.4	0.07	4990	4440	21.8	<0.5	0.5	149	552
L0975N 3600E	5517975	683601	1372		13	0.4	136	496	<10	65.5	48	0.1	<0.05	4240	4040	21.5	<0.5	0.6	219	221
L0975N 3700E	5517975	683700	1380		21.5	0.4	123	299	<10	36.7	52	<0.1	0.05	1310	760	10.1	<0.5	<0.1	293	147
L0975N 3800E	5517975	683800	1387		14.9	0.5	112	356	<10	56.9	41	0.1	0.05	4200	6370	24.2	<0.5	0.6	157	318
L0975N 3900E	5517974	683899	1390		10.3	0.3	60	87.8	<10	42.9	9.5	<0.1	0.09	3730	1550	14.3	<0.5	<0.1	766	650
L0975N 4000E	5517976	684000	1400		15.3	0.6	131	248	<10	26.1	60	0.3	<0.05	1570	888	10.6	<0.5	<0.1	208	107
L0975N 4100E	5517976	684101	1408		24.9	0.4	129	192	<10	24.5	39	0.2	<0.05	2320	1170	8.62	<0.5	<0.1	245	165
L0975N 4200E	5517975	684200	1413		32.2	0.7	73	335	<10	79.4	46	0.2	<0.05	7370	9200	19.4	<0.5	0.9	151	485
L0975N 4300E	5517974	684300	1428		14.8	0.5	54	131	<10	52.6	15	0.2	0.06	6920	5970	18.3	<0.5	0.3	132	549
L8050N 3250E	5518050	683251	1347		8.9	<0.2	126	157	<10	16.6	43	<0.1	<0.05	1020	1010	5.6	<0.5	<0.1	264	107
L8050N 3350E	5518051	683349	1344		23.9	0.4	26	59	<10	81.8	5	0.4	0.06	3240	2390	38.2	<0.5	<0.1	531	574
L8050N 3450E	5518050	683450	1345		24.5	0.3	56	144	<10	79.2	17	0.6	0.11	6200	3010	36.3	<0.5	0.3	546	654
L8050N 3550E	5518050	683549	1359		10.8	0.4	251	201	20	30.9	18	<0.1	<0.05	3420	857	8.79	<0.5	<0.1	168	86
L8050N 3650E	5518050	683650	1370		13.9	0.5	44	98	<10	41.7	35	0.3	0.08	4410	3910	22.6	<0.5	0.2	234	757
L8050N 3750E	5518050	683751	1376		15.3	0.4	182	374	<10	59.5	16	<0.1	<0.05	1710	5830	20	<0.5	0.7	173	132
L8050N 3850E	5518049	683850	1382		2.5	0.5	54	108	<10	40	19	<0.1	0.11	1480	817	26.3	<0.5	<0.1	778	673
L8050N 3950E	5518050	683949	1391		40.2	0.7	183	307	<10	28.9	38	<0.1	0.05	1890	1030	13	<0.5	<0.1	350	64
L8050N 4050E	5518050	684048	1398		4.3	0.5	118	450	<10	90.9	21	<0.1	0.08	7070	7350	35	<0.5	1.1	249	433
L8050N 4150E	5518050	684149	1408		33.5	0.6	121	270	<10	35.6	29	0.1	<0.05	4000	1100	10	<0.5	<0.1	121	359
L8050N 4250E	5518050	684251	1423		21.4	0.3	32	155	<10	57.3	27	0.2	0.06	10100	9840	19.1	<0.5	0.4	195	796
L8350N 3650E	5518350	683649	1342		29.5	1	44	123	<10	44.4	14	0.4	0.1	2770	1270	40.8	<0.5	<0.1	447	450
L8350N 3750E	5518350	683750	1353		17.6	0.5	128	175	<10	25	85	0.1	<0.05	1200	941	8.64	<0.5	<0.1	247	110
L8350N 3850E	5518351	683850	1358		68.6	0.4	99	350	<10	85.9	79	0.4	0.06	4800	5220	22.9	<0.5	0.5	164	315
L8350N 3950E	5518350	683950	1371		13.9	0.4	109	236	<10	80	60	<0.1	<0.05	2460	4460	17.7	<0.5	0.4	166	303
L8350N 4050E	5518351	684052	1393		42.2	0.8	128	297	<10	48.9	22	0.2	0.06	2140	1630	13.5	<0.5	<0.1	231	157
					17.94	0.44	101.84	225.41	12.86	44.61		0.28	0.07	3615.17	2901.77					301.80
				MMI-M/BIOLEACH<0.5				0.45												
				MMI-M/BIOLEACH>0.5<2											1.25					
				MMI-M/BIOLEACH>2		40.63							3.91							

2023 MASTER SOIL DATABASE R2

STN ID	NORTH	EAST	ELEV	ELEMENT	Ca1	Cd	Cd1	Ce	Ce1	Co	Co1	Cr	Cr1	Cs	Cs1	Cu	Cu1	Cu2	Dy	Dy1
				ANALYTICAL LIMITS	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppt	ppb	ppb	ppb	ppb
				ANALYTICAL PROCEDURE	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	SGH	MMI-M	BIOLEACH	MMI-M	BIOLEACH
L0825N 4200E	5517824	684201	1409		1310	12	6.91	36	409	79	23.6	<100	94	0.9	<0.01	350	6320	1480	23	103
L0825N 4300E	5517825	684300	1417		185	5	1.62	125	201	47	44	<100	186	4.2	<0.01	243	1330	201	52.1	23.7
L0825N 4400E	5517825	684400	1428		170	7	0.93	87	190	79	14.3	<100	78	4.4	<0.01	252	590	122	24	17
L0900N 3650E	5517900	683650	1399		208	11	3.31	88	244	20	24.5	<100	111	6.9	<0.01	329	1030	154	32.3	22.8
L0900N 3750E	5517902	683752	1400		451	5	1.18	224	332	102	51.6	<100	241	5	<0.01	385	2410	483	62.5	42.8
L0900N 3850E	5517899	683851	1403		186	6	1.59	117	149	47	11.4	<100	27	7.5	<0.01	264	990	98.5	28.4	13.6
L0900N 3950E	5517901	683952	1401		151	5	1.71	98	113	27	10.1	<100	18	11.3	<0.01	284	1210	79.5	25.9	9.8
L0900N 4050E	5517906	684048	1405		170	6	1.96	113	210	46	22.2	<100	41	10.8	<0.01	299	1060	155	25.8	15.8
L0900N 4150E	5517900	684151	1413		1320	7	5.41	6	256	30	9.4	<100	50	<0.2	<0.01	293	3050	557	11.6	61.3
L0900N 4250E	5517902	684251	1415		1090	9	7.29	13	371	20	14.7	<100	81	0.9	<0.01	372	2740	613	25.3	107
L0900N 4350E	5517903	684352	1427		718	8	6.41	63	250	46	34.3	<100	180	2.5	<0.01	320	3590	387	34.8	43.9
L0900N 4450E	5517902	684452	1431		790	4	1.57	<2	287	39	10.3	<100	55	0.4	<0.01	301	2160	306	7.4	60.6
L0975N 3200E	5517976	683198	1335		185	4	1.5	66	83.8	22	8.8	<100	13	6.4	<0.01	317	1250	68.7	15.6	7.96
L0975N 3300E	5517976	683300	1326		517	7	2.55	78	244	38	15.2	<100	87	4.3	<0.01	423	1990	169	36.6	22.8
L0975N 3400E	5517976	683400	1314		80	4	1.18	148	185	71	16.8	<100	55	8.4	<0.01	383	960	94.5	30.8	15.1
L0975N 3500E	5517973	683499	1355		735	7	2.94	123	723	34	45.9	<100	178	2	<0.01	505	3180	838	99.7	121
L0975N 3600E	5517975	683601	1372		215	5	1.56	147	318	43	39	<100	201	5.9	<0.01	417	1250	179	48.8	31.8
L0975N 3700E	5517975	683700	1380		268	5	1.92	76	180	41	16.7	<100	48	7.6	<0.01	421	1800	169	26.6	18.7
L0975N 3800E	5517975	683800	1387		299	6	1.76	112	586	30	24.3	<100	161	4.2	0.03	427	2280	237	68.9	65.2
L0975N 3900E	5517974	683899	1390		1210	12	6.45	26	113	19	7.7	<100	31	5.1	<0.01	130	1200	839	10.6	25.1
L0975N 4000E	5517976	684000	1400		162	6	2.53	275	299	21	9.5	<100	20	17.1	<0.01	325	710	122	42.2	23
L0975N 4100E	5517976	684101	1408		192	7	1.57	107	176	41	10	<100	35	5.9	<0.01	277	1350	109	27.2	17.9
L0975N 4200E	5517975	684200	1413		812	7	2.72	45	317	20	18.1	<100	162	2.1	<0.01	431	3380	518	43.9	77.2
L0975N 4300E	5517974	684300	1428		1000	10	3.81	84	385	22	17.9	<100	125	1.3	<0.01	345	2710	685	83	127
L8050N 3250E	5518050	683251	1347		99	4	0.85	111	155	43	5.4	<100	17	6.2	<0.01	310	840	43.4	24.1	12.2
L8050N 3350E	5518051	683349	1344		1350	4	2.67	<2	144	6	3.7	<100	168	1.4	<0.01	263	12900	1570	11.7	88.8
L8050N 3450E	5518050	683450	1345		1070	21	10.3	25	335	70	17	<100	135	1.6	<0.01	615	5470	1790	93.8	197
L8050N 3550E	5518050	683549	1359		491	8	3.16	250	274	132	12.3	<100	53	8.2	<0.01	202	910	169	46.2	21.5
L8050N 3650E	5518050	683650	1370		1130	16	5.38	79	361	35	17.3	100	103	0.8	<0.01	465	3760	987	81.7	131
L8050N 3750E	5518050	683751	1376		305	6	1.02	65	370	70	21.6	<100	171	6.3	1.16	377	770	260	36.8	45.3
L8050N 3850E	5518049	683850	1382		1180	15	3.93	6	104	14	4.6	<100	21	14.8	<0.01	320	790	865	12.1	53.2
L8050N 3950E	5518050	683949	1391		51	8	1.02	220	216	80	18.1	<100	42	10.7	<0.01	306	1410	122	62.7	19.8
L8050N 4050E	5518050	684048	1398		477	12	3.26	139	875	143	90.4	<100	290	2.3	0.03	392	1480	931	86.1	83.3
L8050N 4150E	5518050	684149	1408		221	6	1.93	106	203	37	13.2	<100	36	0.9	<0.01	283	1810	187	32.6	19.4
L8050N 4250E	5518050	684251	1423		1320	10	3.96	18	397	67	19.7	<100	98	1.4	<0.01	332	2250	701	20.9	75.5
L8350N 3650E	5518350	683649	1342		1070	7	7.84	49	486	17	9.9	<100	46	4	<0.01	257	7610	1630	25.3	116
L8350N 3750E	5518350	683750	1353		97	5	1.23	157	180	38	8.6	<100	19	7.6	<0.01	239	910	76.9	30.9	15.1
L8350N 3850E	5518351	683850	1358		417	6	2.52	119	475	26	13.8	<100	132	6	2.13	407	4270	354	50.2	52.3
L8350N 3950E	5518350	683950	1371		494	6	2.38	75	224	32	33	<100	168	5.1	<0.01	381	1570	308	37.8	38.8
L8350N 4050E	5518351	684052	1393		268	7	2.34	91	202	23	12.9	<100	48	6.5	<0.01	263	1850	213	58.5	36.6
					476.70	6.86	2.64	102.65	294.85	45.70	21.36	100.00	89.36	4.61	0.84		2145	404	36	49
				MMI-M/BIOLEACH<0.5					0.35											0.74
				MMI-M/BIOLEACH>0.5<2	0.63								1.12							
				MMI-M/BIOLEACH>2			2.60				2.14				5.51			5.32		

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STN ID	NORTH	EAST	ELEV	ELEMENT	Er	Er1	Eu	Eu1	Fe	Fe1	Ga	Ga1	Gd	Gd1	Ge	Hf	Hg	Hg1	Ho			
					ppb	ppb	ppb	ppb	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
					ANALYTICAL LIMITS	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	BIOLEACH	BIOLEACH	MMI-M	BIOLEACH	BIOLEACH
L0825N 4200E	5517824	684201	1409		16.8	58.5	5.4	31.3	23	123	<0.5	21.5	24.9	129	1.46	18.3	<1	0.61	20.2			
L0825N 4300E	5517825	684300	1417		31.3	11.5	11.4	7.07	77	293	4.9	47.9	50.8	27.2	1.92	14.4	<1	0.62	4.28			
L0825N 4400E	5517825	684400	1428		12.8	8.1	3.9	5.08	127	130	12.1	29.4	17.4	19.4	1.06	11	<1	0.14	2.97			
L0900N 3650E	5517900	683650	1399		21.3	11.2	6.4	6.21	47	166	3.7	38	30.4	26.1	0.52	13.4	<1	0.64	4.05			
L0900N 3750E	5517902	683752	1400		36.2	21.8	15	12.8	120	369	2.4	50.5	62.4	50.8	2.8	16	<1	0.55	7.78			
L0900N 3850E	5517899	683851	1403		16.8	6.87	5.6	3.86	81	48	12.4	30.9	25.6	16.7	0.47	6.15	<1	0.29	2.47			
L0900N 3950E	5517901	683952	1401		14.2	4.93	6.4	2.79	32	39	7.1	31.8	27.9	11.7	0.54	4.31	<1	0.42	1.77			
L0900N 4050E	5517906	684048	1405		14.4	7.54	5.8	5.07	48	80	11.6	40.5	26.1	20.5	1.37	6.35	<1	0.7	2.67			
L0900N 4150E	5517900	684151	1413		7.6	32.4	2.4	18.5	17	68	<0.5	12.2	11.2	77.1	1.16	12	<1	0.24	11.5			
L0900N 4250E	5517902	684251	1415		14.8	57	6.4	30.9	16	82	<0.5	20.8	27.7	124	0.68	15.6	<1	0.4	20.1			
L0900N 4350E	5517903	684352	1427		21.9	25.1	9.7	12.8	46	240	<0.5	24.8	39.8	51.1	0.4	11.6	<1	0.43	8.45			
L0900N 4450E	5517902	684452	1431		5.6	33	1	17.6	19	64	<0.5	9.8	6.2	73.8	1.36	9.85	<1	0.1	11.5			
L0975N 3200E	5517976	683198	1335		8.7	3.87	3.8	2.38	26	25	4	23	16.9	9.7	0.21	3.23	<1	0.25	1.34			
L0975N 3300E	5517976	683300	1326		21.7	11.8	9.5	6.43	45	144	2.1	14	42.8	27.9	0.78	11.5	<1	0.33	4.17			
L0975N 3400E	5517976	683400	1314		18.7	7.23	6.6	4.35	47	67	11.3	28.4	29.6	18	0.36	6.73	<1	0.23	2.67			
L0975N 3500E	5517973	683499	1355		65.1	65.9	24	36.5	25	155	0.6	24.9	105	149	1	19.5	<1	0.51	23.2			
L0975N 3600E	5517975	683601	1372		28.8	15.7	11.2	8.9	68	256	4.6	50.4	46	36	1.41	16.4	<1	0.63	5.92			
L0975N 3700E	5517975	683700	1380		15.8	9.61	5.3	5.6	64	92	7.4	42.8	22.2	23.7	0.73	7.81	<1	0.44	3.56			
L0975N 3800E	5517975	683800	1387		45.6	35.8	13.9	21.3	81	266	2.4	43.3	63.3	83	1.08	15.4	<1	0.28	12.8			
L0975N 3900E	5517974	683899	1390		7.4	14.2	2.6	7.52	25	90	1.5	5.5	10.8	31.7	0.93	5.43	<1	0.78	4.9			
L0975N 4000E	5517976	684000	1400		22	10.3	12	7.05	40	51	12.4	33.9	46.1	27.9	0.34	8.15	<1	0.65	3.98			
L0975N 4100E	5517976	684101	1408		16.1	8.88	6.5	5.58	42	49	7.2	29	29	23.4	0.34	7.28	<1	0.21	3.34			
L0975N 4200E	5517975	684200	1413		28.3	42.6	10.5	22.7	31	255	1	50.4	47	94.7	2.81	21.1	<1	0.21	15.3			
L0975N 4300E	5517974	684300	1428		49.6	64.9	21.3	37.9	31	134	0.9	22	90.6	151	0.63	14.4	<1	0.25	24.4			
L8050N 3250E	5518050	683251	1347		14.7	5.91	5.6	3.55	47	28	11.8	29.6	26.1	15.9	0.73	3.27	<1	0.07	2.2			
L8050N 3350E	5518051	683349	1344		7.4	45.9	2.7	28.6	15	62	<0.5	5.2	12.8	121	0.87	16.1	1	0.36	16.6			
L8050N 3450E	5518050	683450	1345		75.7	109	18.1	59.8	19	136	<0.5	17.9	87.3	246	2.1	20.1	<1	0.85	39			
L8050N 3550E	5518050	683549	1359		29.8	10.3	8.9	6.14	154	88	21.8	24.1	38.7	26.1	<0.05	10.1	1	0.3	3.98			
L8050N 3650E	5518050	683650	1370		73	73	13.5	38	20	101	<0.5	18.3	67.1	156	0.65	20.2	<1	0.31	26.2			
L8050N 3750E	5518050	683751	1376		25.7	22.9	6.1	14.8	177	300	9	54.5	29.6	56	1.61	14	<1	0.24	8.53			
L8050N 3850E	5518049	683850	1382		10.2	27.7	2.2	16.4	10	48	<0.5	6.5	10.4	68.4	0.9	5.41	<1	0.43	10			
L8050N 3950E	5518050	683949	1391		37.3	10.2	11.6	6.07	79	64	14.9	34.2	57.1	24	0.68	9.27	<1	0.68	3.55			
L8050N 4050E	5518050	684048	1398		58.8	41.8	17.2	25.2	67	391	0.8	55.9	75.5	99.3	2.4	18.6	<1	0.32	15.3			
L8050N 4150E	5518050	684149	1408		20.5	10.1	6.7	6.01	40	85	1.6	36.4	32.4	24.2	0.72	8.15	<1	0.19	3.67			
L8050N 4250E	5518050	684251	1423		13.5	42.6	4.9	22.1	18	99	<0.5	29.7	19.6	87.5	0.72	18.4	<1	0.61	14.8			
L8350N 3650E	5518350	683649	1342		15	58.3	8.5	41.9	22	61	1.2	16	34.4	167	0.92	12.2	<1	0.71	20.7			
L8350N 3750E	5518350	683750	1353		18.1	7.23	7.9	4.61	40	26	10.7	24.9	34.6	19	<0.05	6.09	<1	0.64	2.66			
L8350N 3850E	5518351	683850	1358		32	29.6	13.5	16.6	44	239	2.3	42.5	57.2	65.6	1.28	16	<1	0.47	10.2			
L8350N 3950E	5518350	683950	1371		22.6	20.4	10.2	11.9	51	255	2.9	36.5	43	47.7	1.93	8.95	<1	0.33	7.37			
L8350N 4050E	5518351	684052	1393		38.2	19.9	12.3	11.2	49	90	5.6	28.5	55.5	45	0.76	10.8	<1	0.83	7.05			
					23	26	8	15	55	131	7	26	36	60								
				MMI-M/BIOLEACH<0.5		0.89		0.54		0.42		0.26		0.60								
				MMI-M/BIOLEACH>0.5<2																		
				MMI-M/BIOLEACH>2																		

2023 MASTER SOIL DATABASE R2

STN ID	NORTH	EAST	ELEV	ELEMENT	I	In	In1	K	K1	La	La1	Li	Li1	Lu	Mg	Mg1	Mn	Mn1	Mo
				ANALYTICAL LIMITS	ppb	ppb	ppb	ppm	ppm	ppb	ppb	ppb	ppb	ppb	ppm	ppm	ppb	ppb	ppb
				ANALYTICAL PROCEDURE	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M
L0825N 4200E	5517824	684201	1409		589	<0.1	0.2	37.3	17	26	355	<1	11.1	8.64	113	311	4300	8850	3
L0825N 4300E	5517825	684300	1417		117	<0.1	0.6	50.3	27	81	98.3	1	6.4	1.35	36.1	68	1800	3730	4
L0825N 4400E	5517825	684400	1428		163	0.1	0.3	58.1	23	30	68.8	5	0.8	0.95	18.3	45	8200	1820	5
L0900N 3650E	5517900	683650	1399		134	<0.1	0.4	74.6	33	48	79.5	<1	0.3	1.41	30.5	45	3200	21500	4
L0900N 3750E	5517902	683752	1400		93	0.1	0.7	55	27	136	171	2	9	2.65	74	156	4600	3730	3
L0900N 3850E	5517899	683851	1403		122	0.1	0.2	43.5	22	44	57.2	2	<0.2	0.88	7.2	21	6400	6770	7
L0900N 3950E	5517901	683952	1401		121	<0.1	0.1	44.3	16	41	40.6	<1	<0.2	0.63	12.3	41	3100	9110	11
L0900N 4050E	5517906	684048	1405		119	<0.1	0.2	60.3	36	54	82.3	<1	<0.2	0.86	15.6	38	2100	2310	7
L0900N 4150E	5517900	684151	1413		150	<0.1	0.1	41.5	20	2	221	<1	5.7	4.45	160	298	1900	7860	4
L0900N 4250E	5517902	684251	1415		151	<0.1	0.1	52.4	21	22	310	<1	9.4	7.68	131	241	2700	8640	5
L0900N 4350E	5517903	684352	1427		101	<0.1	0.4	62.6	23	55	130	<1	5.8	3.23	118	180	900	4870	3
L0900N 4450E	5517902	684452	1431		85	<0.1	0.1	30.5	14	<1	202	<1	1.3	4.42	97.1	143	1400	2430	4
L0975N 3200E	5517976	683198	1335		109	<0.1	0.1	31.9	15	30	38	<1	<0.2	0.5	6.1	23	2200	6660	4
L0975N 3300E	5517976	683300	1326		120	<0.1	0.3	46.1	17	76	102	1	1.4	1.55	58.3	118	1600	4440	<2
L0975N 3400E	5517976	683400	1314		93	<0.1	0.2	41.8	28	60	70	1	<0.2	0.84	10.7	15	2300	2270	5
L0975N 3500E	5517973	683499	1355		108	<0.1	0.3	41	22	111	383	<1	8.8	8.94	151	294	4100	14700	3
L0975N 3600E	5517975	683601	1372		129	<0.1	0.5	52.3	20	75	115	2	3.9	1.94	36.8	53	3200	10600	3
L0975N 3700E	5517975	683700	1380		147	<0.1	0.2	51.8	39	35	75.7	<1	<0.2	1.23	14.4	45	2300	3410	5
L0975N 3800E	5517975	683800	1387		157	<0.1	0.5	36.4	17	76	220	<1	6.2	5.15	55.3	82	2000	9460	2
L0975N 3900E	5517974	683899	1390		514	<0.1	0.2	37.4	24	10	70.2	5	5.5	2.07	89.8	383	5200	9280	5
L0975N 4000E	5517976	684000	1400		136	<0.1	0.2	48	39	92	101	2	<0.2	1.22	7.2	42	4200	6560	4
L0975N 4100E	5517976	684101	1408		151	<0.1	0.1	35.9	18	53	79.1	<1	<0.2	1.17	24.9	57	1800	2500	4
L0975N 4200E	5517975	684200	1413		144	<0.1	0.6	52.7	27	55	227	<1	9.3	5.87	99.5	202	1000	2760	2
L0975N 4300E	5517974	684300	1428		122	<0.1	0.3	43	18	104	392	2	5.9	8.65	93.2	210	2300	4470	3
L8050N 3250E	5518050	683251	1347		148	<0.1	<0.1	57	21	40	59.5	1	<0.2	0.78	7	18	4900	2770	9
L8050N 3350E	5518051	683349	1344		442	<0.1	0.1	22.3	7	2	387	3	<0.2	7	94.3	257	200	466	<2
L8050N 3450E	5518050	683450	1345		424	<0.1	0.3	39.8	17	66	554	<1	6.9	15.7	191	427	7000	8870	4
L8050N 3550E	5518050	683549	1359		129	0.3	0.2	52.7	19	81	101	6	<0.2	1.25	9.2	32	11800	12700	6
L8050N 3650E	5518050	683650	1370		204	<0.1	0.2	35.3	13	61	388	1	7.5	10.5	195	323	7900	8930	4
L8050N 3750E	5518050	683751	1376		110	0.2	0.6	21	12	30	182	5	6.2	2.87	38.5	95	1200	2490	3
L8050N 3850E	5518049	683850	1382		415	<0.1	0.2	26.4	14	5	160	3	3.9	4.11	103	422	5700	3930	4
L8050N 3950E	5518050	683949	1391		154	0.2	0.2	33.5	11	86	71.9	1	<0.2	1.29	6.9	12	4000	1460	6
L8050N 4050E	5518050	684048	1398		133	0.1	0.7	52.4	19	89	304	2	28.6	5.2	135	256	9400	14300	<2
L8050N 4150E	5518050	684149	1408		82	<0.1	0.2	50.4	31	46	83.9	<1	<0.2	1.25	77.3	77	1600	3980	4
L8050N 4250E	5518050	684251	1423		193	<0.1	0.2	58.7	25	10	214	1	12.4	6.16	161	308	5600	7200	5
L8350N 3650E	5518350	683649	1342		298	<0.1	0.3	28.1	11	48	562	2	2.6	8.11	68	270	1300	3470	3
L8350N 3750E	5518350	683750	1353		153	<0.1	0.1	26.4	12	67	74	<1	<0.2	1.01	7.3	15	2700	1570	6
L8350N 3850E	5518351	683850	1358		112	<0.1	0.5	30.2	17	74	169	<1	4.7	3.91	59.1	96	600	2620	2
L8350N 3950E	5518350	683950	1371		93	<0.1	0.5	43	21	58	120	<1	3.8	2.64	62.7	152	1600	5900	3
L8350N 4050E	5518351	684052	1393		162	<0.1	0.3	54	26	66	117	<1	<0.2	2.69	25.8	93	3000	10700	3
						0.1	0.27	44.4	23.83	53.3	177.07	2.4	6.07		55.0	120.09	3614.9	6711.22	4.2
				MMI-M/BIOLEACH<0.5							0.30		0.39			0.46			
				MMI-M/BIOLEACH>0.5<2			0.52		1.86									0.54	
				MMI-M/BIOLEACH>2															

2023 MASTER SOIL DATABASE R2

STN ID	NORTH	EAST	ELEV	ELEMENT	Mo1	Nb	Nb1	Nd	Nd1	Ni	Ni1	P	Pb	Pb1	Pd	Pd1	Pr	Pr1	Pt	Pt1
				ANALYTICAL LIMITS	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
				ANALYTICAL PROCEDURE	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH
L0825N 4200E	5517824	684201	1409		12	<0.5	13	57	492	372	91.7	0.3	22	25.1	<1	<0.5	10.5	101	<0.1	<0.5
L0825N 4300E	5517825	684300	1417		16	1.8	18.6	132	120	86	29.7	2.1	97	46.4	<1	<0.5	27.3	27.6	<0.1	<0.5
L0825N 4400E	5517825	684400	1428		17	3.1	9.5	48	94.1	97	5.4	4	209	15.2	<1	<0.5	10.4	21.2	0.2	<0.5
L0900N 3650E	5517900	683650	1399		12	0.8	12.9	84	115	48	18	1.4	84	27.7	<1	<0.5	16.5	27.6	<0.1	<0.5
L0900N 3750E	5517902	683752	1400		10	4.4	26.8	194	220	149	31.5	2.7	121	75.8	<1	<0.5	40.5	51.2	<0.1	<0.5
L0900N 3850E	5517899	683851	1403		11	1.9	2.9	74	77.8	43	<0.2	2.9	112	8.8	<1	<0.5	15.2	18.6	<0.1	<0.5
L0900N 3950E	5517901	683952	1401		16	<0.5	2.6	86	55.9	12	<0.2	1.8	85	3.9	<1	<0.5	16.3	13.5	<0.1	<0.5
L0900N 4050E	5517906	684048	1405		14	1.1	3.6	85	104	24	5.6	2	127	13.9	<1	<0.5	18	25.6	<0.1	<0.5
L0900N 4150E	5517900	684151	1413		10	<0.5	9.6	11	297	193	42	0.4	18	18.8	<1	<0.5	1.5	67.6	<0.1	<0.5
L0900N 4250E	5517902	684251	1415		7	<0.5	11	56	451	242	59.6	0.6	23	30.3	<1	<0.5	9.5	99.4	<0.1	<0.5
L0900N 4350E	5517903	684352	1427		10	1.2	13.6	104	187	177	50.3	1.5	53	57.4	<1	<0.5	19.7	41.2	<0.1	<0.5
L0900N 4450E	5517902	684452	1431		3	<0.5	6.3	3	287	85	12.3	0.3	<5	11.8	<1	<0.5	<0.5	63.5	<0.1	<0.5
L0975N 3200E	5517976	683198	1335		7	<0.5	1.4	54	46.7	23	<0.2	1.6	72	2.5	<1	<0.5	11.3	11.3	<0.1	<0.5
L0975N 3300E	5517976	683300	1326		8	1.1	11.6	137	136	62	6.3	1	60	27.3	<1	<0.5	29.5	32.2	<0.1	<0.5
L0975N 3400E	5517976	683400	1314		12	0.6	3.4	98	93.9	66	7.7	1.6	129	13.3	<1	<0.5	21.1	22.5	<0.1	<0.5
L0975N 3500E	5517973	683499	1355		7	<0.5	15.9	236	566	320	63.6	0.5	45	42.6	<1	<0.5	45.6	123	<0.1	<0.5
L0975N 3600E	5517975	683601	1372		12	1.8	17.4	132	159	84	21.7	2.5	110	40.3	<1	<0.5	27.5	37.2	<0.1	<0.5
L0975N 3700E	5517975	683700	1380		14	0.6	6	63	108	45	3.9	1.4	119	7.9	<1	<0.5	13.2	24.9	<0.1	<0.5
L0975N 3800E	5517975	683800	1387		10	0.9	18.7	147	358	92	12.5	0.9	85	50.8	<1	<0.5	29.7	76.9	<0.1	<0.5
L0975N 3900E	5517974	683899	1390		25	<0.5	3.4	25	110	213	62.7	0.8	30	11.8	<1	<0.5	4.4	22.9	<0.1	<0.5
L0975N 4000E	5517976	684000	1400		11	1.7	3.7	166	135	12	2.5	2.8	84	6.8	<1	<0.5	35.1	32.5	<0.1	<0.5
L0975N 4100E	5517976	684101	1408		9	0.6	2.8	93	115	33	<0.2	1.5	85	3.2	<1	<0.5	19.8	26.4	<0.1	<0.5
L0975N 4200E	5517975	684200	1413		7	0.7	20.2	111	361	146	28.3	0.8	67	61.2	<1	<0.5	21.2	77.2	<0.1	<0.5
L0975N 4300E	5517974	684300	1428		7	<0.5	11.3	219	564	284	52.1	0.7	48	27.8	<1	<0.5	41.5	123	<0.1	<0.5
L8050N 3250E	5518050	683251	1347		17	0.8	1.3	75	81.3	36	<0.2	2.2	84	3	<1	<0.5	15.1	19.3	<0.1	<0.5
L8050N 3350E	5518051	683349	1344		10	<0.5	6.3	11	533	230	31.9	0.2	6	13.2	<1	<0.5	1.1	119	<0.1	<0.5
L8050N 3450E	5518050	683450	1345		15	<0.5	9.4	158	873	660	123	0.3	28	23.6	<1	<0.5	28.1	184	<0.1	<0.5
L8050N 3550E	5518050	683549	1359		7	6.5	5.4	122	125	166	18.1	9.4	148	11.7	<1	<0.5	27	29.8	<0.1	<0.5
L8050N 3650E	5518050	683650	1370		8	<0.5	10	125	580	810	80.8	0.2	33	24.8	<1	<0.5	23.4	125	<0.1	<0.5
L8050N 3750E	5518050	683751	1376		10	3.7	20.9	67	254	116	13.7	2.9	181	70.4	<1	<0.5	12.7	57.9	<0.1	<0.5
L8050N 3850E	5518049	683850	1382		31	<0.5	2.3	13	233	212	60.3	0.6	25	8.7	<1	<0.5	2.2	51	<0.1	<0.5
L8050N 3950E	5518050	683949	1391		23	1.5	4.3	166	114	50	37.2	1.9	180	15.6	<1	<0.5	33.5	26	<0.1	<0.5
L8050N 4050E	5518050	684048	1398		14	0.9	28.4	171	414	197	106	1.3	211	116	<1	<0.5	34.5	94.8	<0.1	<0.5
L8050N 4150E	5518050	684149	1408		8	<0.5	5.2	83	114	98	8.2	0.7	59	9.9	<1	<0.5	16.4	26.5	<0.1	<0.5
L8050N 4250E	5518050	684251	1423		7	<0.5	14.8	33	321	354	64.4	0.5	37	40.2	<1	<0.5	5.5	69.6	<0.1	<0.5
L8350N 3650E	5518350	683649	1342		13	<0.5	5.5	103	725	280	70.7	0.2	6	6.3	<1	<0.5	19.7	164	<0.1	<0.5
L8350N 3750E	5518350	683750	1353		11	0.7	1.3	118	101	39	<0.2	1.2	110	6.9	<1	<0.5	25.4	23.9	<0.1	<0.5
L8350N 3850E	5518351	683850	1358		7	1	15.5	145	260	47	20.2	1.3	70	47.8	<1	<0.5	27.3	56.8	<0.1	<0.5
L8350N 3950E	5518350	683950	1371		9	1.4	14.8	109	178	130	20.2	2	63	43.5	<1	<0.5	21.9	38.1	<0.1	<0.5
L8350N 4050E	5518351	684052	1393		11	0.8	6.2	129	187	70	13.2	1.5	94	10.6	<1	<0.5	24.9	40.4	<0.1	<0.5
					10.77	1.7	9.19	96.7	243.63	132.0	30.86		83.4	22.81			19.7	53.50		
				MMI-M/BIOLEACH<0.5	0.39		0.19		0.40									0.37		
				MMI-M/BIOLEACH>0.5<2																
				MMI-M/BIOLEACH>2							4.28			3.65						

2023 MASTER SOIL DATABASE R2

STN ID	NORTH	EAST	ELEV	ELEMENT	Rb	Rb1	Re	Ru	Sb	Sb1	Sc	Sc1	Se	Sm	Sm1	Sn	Sr	Sr1	Ta
				ANALYTICAL LIMITS	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
				ANALYTICAL PROCEDURE	MMI-M	BIOLEACH	BIOLEACH	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	BIOLEACH	MMI-M	BIOLEACH	MMI-M	MMI-M	BIOLEACH	MMI-M
L0825N 4200E	5517824	684201	1409		53	19.4	0.03	< 0.05	<0.5	3.8	23	164	21	16	118	<1	3310	2340	<1
L0825N 4300E	5517825	684300	1417		152	41.9	< 0.01	< 0.05	<0.5	0.9	85	68.1	3	38	28.1	<1	910	650	<1
L0825N 4400E	5517825	684400	1428		127	28.4	< 0.01	< 0.05	<0.5	1.2	82	65.8	6	13	21.5	<1	400	468	<1
L0900N 3650E	5517900	683650	1399		236	42.6	< 0.01	< 0.05	<0.5	1	74	75.9	2	23	26.4	<1	900	550	<1
L0900N 3750E	5517902	683752	1400		142	46.9	< 0.01	< 0.05	<0.5	1.3	102	92.4	2	52	49.2	<1	1600	1660	<1
L0900N 3850E	5517899	683851	1403		206	41.7	< 0.01	< 0.05	<0.5	1.2	79	51	< 1	21	17.2	<1	280	451	<1
L0900N 3950E	5517901	683952	1401		227	39.5	0.01	< 0.05	<0.5	0.7	77	50	6	24	12.3	<1	290	421	<1
L0900N 4050E	5517906	684048	1405		230	54.2	< 0.01	< 0.05	<0.5	1.2	63	42	2	23	21.3	<1	410	327	<1
L0900N 4150E	5517900	684151	1413		27	12.6	0.04	< 0.05	<0.5	1.3	18	143	4	6	70.3	<1	4190	2370	<1
L0900N 4250E	5517902	684251	1415		52	17	0.03	< 0.05	<0.5	2.1	24	260	2	18	113	<1	3630	2510	<1
L0900N 4350E	5517903	684352	1427		110	25.1	0.02	< 0.05	<0.5	1.7	37	115	2	29	44.7	<1	2960	1650	<1
L0900N 4450E	5517902	684452	1431		38	12	0.02	< 0.05	<0.5	1.1	16	165	3	2	68	<1	2600	2340	<1
L0975N 3200E	5517976	683198	1335		173	40.8	< 0.01	< 0.05	<0.5	0.6	48	40.3	3	15	10.5	<1	430	551	<1
L0975N 3300E	5517976	683300	1326		117	20.8	0.01	< 0.05	<0.5	1.2	52	59.9	2	36	28.7	<1	2590	1700	<1
L0975N 3400E	5517976	683400	1314		201	52.6	< 0.01	< 0.05	<0.5	0.8	74	44	1	26	20.5	<1	360	202	<1
L0975N 3500E	5517973	683499	1355		81	31.9	0.01	< 0.05	<0.5	1.9	58	373	< 1	71	134	<1	4230	2470	<1
L0975N 3600E	5517975	683601	1372		153	42.3	< 0.01	< 0.05	<0.5	1.1	102	83.7	3	36	33.2	<1	1350	985	<1
L0975N 3700E	5517975	683700	1380		152	40	0.01	< 0.05	<0.5	1	65	48.2	5	18	22.1	<1	500	422	<1
L0975N 3800E	5517975	683800	1387		140	54.6	0.01	< 0.05	<0.5	1.6	113	138	2	42	76.3	<1	2380	1550	<1
L0975N 3900E	5517974	683899	1390		77	7.4	0.09	< 0.05	<0.5	4.2	22	59.3	34	8	26.1	<1	3240	1500	<1
L0975N 4000E	5517976	684000	1400		253	58.4	< 0.01	< 0.05	<0.5	1.2	90	62.1	3	44	27.4	<1	210	311	<1
L0975N 4100E	5517976	684101	1408		165	37.5	0.01	< 0.05	<0.5	1	62	56.5	3	26	23.4	<1	690	532	<1
L0975N 4200E	5517975	684200	1413		77	38.8	0.01	< 0.05	<0.5	1.5	33	154	3	32	81	<1	3360	2430	<1
L0975N 4300E	5517974	684300	1428		48	14.8	0.02	< 0.05	<0.5	2	51	244	< 1	65	126	<1	3630	2810	<1
L8050N 3250E	5518050	683251	1347		215	38	< 0.01	< 0.05	<0.5	1	79	46.7	1	21	16	<1	200	362	<1
L8050N 3350E	5518051	683349	1344		55	7.5	0.06	< 0.05	<0.5	2.9	<5	146	17	7	112	<1	2420	1750	<1
L8050N 3450E	5518050	683450	1345		66	17	0.14	< 0.05	<0.5	2.9	54	421	18	51	202	<1	4030	2170	<1
L8050N 3550E	5518050	683549	1359		258	43.7	< 0.01	< 0.05	<0.5	0.9	118	60.8	2	32	25.6	<1	490	1080	<1
L8050N 3650E	5518050	683650	1370		62	18	0.03	< 0.05	<0.5	2.1	72	413	5	40	134	<1	3880	2470	<1
L8050N 3750E	5518050	683751	1376		131	59.2	0.01	< 0.05	<0.5	1.2	107	85.6	2	21	52.8	<1	910	1350	<1
L8050N 3850E	5518049	683850	1382		93	12.9	0.05	< 0.05	<0.5	3.7	<5	118	37	5	55.6	<1	2640	1220	<1
L8050N 3950E	5518050	683949	1391		203	31.2	< 0.01	< 0.05	<0.5	1	103	66.6	8	46	25.5	<1	260	223	<1
L8050N 4050E	5518050	684048	1398		84	31.6	0.01	< 0.05	<0.5	2.3	110	229	< 1	55	96.3	<1	2170	1650	<1
L8050N 4150E	5518050	684149	1408		119	48.2	0.01	< 0.05	<0.5	0.9	57	59.1	3	23	25.5	<1	1680	520	<1
L8050N 4250E	5518050	684251	1423		54	18.4	0.03	< 0.05	<0.5	2.3	16	239	7	12	79.4	<1	4100	3370	<1
L8350N 3650E	5518350	683649	1342		97	11.7	0.11	< 0.05	0.6	4.8	24	173	11	29	165	<1	1960	1240	<1
L8350N 3750E	5518350	683750	1353		170	31	0.01	< 0.05	1	1	70	51.1	2	31	21.5	<1	270	303	<1
L8350N 3850E	5518351	683850	1358		130	67.5	< 0.01	< 0.05	0.7	1.4	69	132	4	42	59.5	<1	1950	1470	<1
L8350N 3950E	5518350	683950	1371		108	28.4	< 0.01	< 0.05	0.6	1.5	60	91.6	2	32	41.3	<1	1260	1550	<1
L8350N 4050E	5518351	684052	1393		133	32.7	0.01	< 0.05	0.8	1.2	113	114	4	39	43.2	<1	630	679	<1
					127.7	32.18			0.8	1.43	58.8	105.82		27.2	57.14		1513	1125	
				MMI-M/BIOLEACH<0.5											0.48				
				MMI-M/BIOLEACH>0.5<2					0.57		0.56							1.34	
				MMI-M/BIOLEACH>2		3.97													

2023 MASTER SOIL DATABASE R2

STN ID	NORTH	EAST	ELEV	ELEMENT	Ta1	Tb	Tb1	Te	Te1	Th	Th1	Ti	Tl	Tl1	Tm	U	U1	V	W
				ANALYTICAL LIMITS	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
				ANALYTICAL PROCEDURE	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	MMI-M	BIOLEACH	BIOLEACH	MMI-M	BIOLEACH	BIOLEACH	MMI-M
L0825N 4200E	5517824	684201	1409		0.34	3.6	17	<10	<1	4.5	32.5	10	0.1	0.7	7.82	74.6	123	715	<0.5
L0825N 4300E	5517825	684300	1417		0.61	8.1	4.18	<10	<1	9.6	19	330	<0.1	0.5	1.54	15.1	24.9	432	<0.5
L0825N 4400E	5517825	684400	1428		0.45	3.3	2.77	<10	<1	10.4	13.6	770	<0.1	0.6	1.09	10.5	27.7	309	<0.5
L0900N 3650E	5517900	683650	1399		0.54	5	3.64	<10	<1	7.6	18.2	140	0.2	0.7	1.47	18.6	27.2	298	<0.5
L0900N 3750E	5517902	683752	1400		0.5	10.2	7.04	<10	<1	22.2	26.5	710	0.3	0.6	2.69	31.9	30.8	1020	<0.5
L0900N 3850E	5517899	683851	1403		0.16	4.2	2.25	<10	<1	12.7	10	480	0.2	1.1	0.85	18.6	19.3	202	<0.5
L0900N 3950E	5517901	683952	1401		0.17	4.3	1.68	<10	<1	5.7	6.56	40	0.4	1.2	0.63	18.2	16.9	213	<0.5
L0900N 4050E	5517906	684048	1405		0.2	4.3	2.77	<10	<1	8.2	14.9	290	0.5	0.9	0.91	20.6	30.2	192	<0.5
L0900N 4150E	5517900	684151	1413		0.32	1.9	10.1	<10	<1	5.3	30.9	10	0.1	0.5	4.17	67.8	72.2	429	<0.5
L0900N 4250E	5517902	684251	1415		0.3	4.1	17.3	<10	<1	9	33.8	20	0.1	0.5	7.22	54.9	75.2	372	<0.5
L0900N 4350E	5517903	684352	1427		0.36	5.8	6.97	<10	<1	8.3	16.2	30	<0.1	0.4	2.99	27.6	25.7	515	<0.5
L0900N 4450E	5517902	684452	1431		0.27	1.1	9.76	<10	<1	2.8	22.8	10	0.1	0.5	4.18	32.1	39	408	<0.5
L0975N 3200E	5517976	683198	1335		0.08	2.6	1.32	<10	<1	4.6	6.09	60	0.2	0.8	0.53	14.2	12.8	202	<0.5
L0975N 3300E	5517976	683300	1326		0.49	6.2	3.68	<10	<1	10.2	18	160	0.1	0.5	1.46	26.2	24.6	445	<0.5
L0975N 3400E	5517976	683400	1314		0.21	4.9	2.5	<10	<1	9.9	15.7	260	0.3	0.8	0.92	19.3	16	139	<0.5
L0975N 3500E	5517973	683499	1355		0.36	15.9	19.7	<10	<1	12.3	48.6	20	0.3	0.7	8.35	84.8	77.1	663	<0.5
L0975N 3600E	5517975	683601	1372		0.5	7.8	5.17	<10	<1	13.4	22.2	370	0.2	0.7	2.03	20.8	28.9	469	<0.5
L0975N 3700E	5517975	683700	1380		0.28	4	3.28	<10	<1	6.8	13.6	150	0.2	0.7	1.27	22.6	28.1	225	<0.5
L0975N 3800E	5517975	683800	1387		0.51	10.2	10.7	<10	<1	11.2	31.4	110	0.2	1	4.6	33.3	33.8	530	<0.5
L0975N 3900E	5517974	683899	1390		0.17	1.6	4.13	<10	<1	2.4	12.3	60	0.4	1	1.89	29	81.9	375	<0.5
L0975N 4000E	5517976	684000	1400		0.23	7.2	3.8	<10	<1	14.5	15.1	480	0.4	1	1.31	17.4	24.3	147	<0.5
L0975N 4100E	5517976	684101	1408		0.15	4.5	2.98	<10	<1	10	10.9	290	0.3	1.1	1.15	17.7	25.9	203	<0.5
L0975N 4200E	5517975	684200	1413		0.48	6.9	12.5	<10	<1	7	41	30	0.2	0.6	5.53	46.2	65.2	538	<0.5
L0975N 4300E	5517974	684300	1428		0.37	13.8	20.7	<10	<1	8.6	34.2	30	<0.1	0.4	8.21	77.5	85.7	475	<0.5
L8050N 3250E	5518050	683251	1347		0.08	3.9	2.06	<10	<1	8.2	5.36	400	0.2	1.1	0.77	17.5	13.2	219	<0.5
L8050N 3350E	5518051	683349	1344		0.26	2	15.2	<10	<1	3.7	23.9	10	0.2	0.7	6.14	45.1	182	517	<0.5
L8050N 3450E	5518050	683450	1345		0.33	13	32.3	<10	<1	6.4	37.5	10	0.4	0.6	14.1	199	211	600	<0.5
L8050N 3550E	5518050	683549	1359		0.23	7.1	3.73	<10	<1	27	22	1510	0.3	0.5	1.33	22.1	18	201	0.8
L8050N 3650E	5518050	683650	1370		0.29	11.2	21.1	<10	<1	9.1	45	10	0.4	0.5	9.47	157	121	475	<0.5
L8050N 3750E	5518050	683751	1376		0.42	5.2	7.59	<10	<1	12.8	28.2	740	0.2	0.8	2.83	24.1	45.6	587	<0.5
L8050N 3850E	5518049	683850	1382		0.08	1.7	8.82	<10	<1	1	11.1	30	0.4	0.8	3.64	20	108	320	<0.5
L8050N 3950E	5518050	683949	1391		0.23	9	3.31	<10	<1	17.8	14.3	460	0.4	0.7	1.3	20.5	24.2	230	<0.5
L8050N 4050E	5518050	684048	1398		0.33	12.5	13.7	<10	<1	15.7	66.5	80	0.1	0.9	5.31	49.2	54.2	766	<0.5
L8050N 4150E	5518050	684149	1408		0.3	5	3.25	<10	<1	6.4	14.8	50	0.5	1.8	1.26	19	21.1	265	<0.5
L8050N 4250E	5518050	684251	1423		0.3	3.1	12.4	<10	<1	9.3	41.5	20	0.2	0.5	5.63	84.5	101	638	<0.5
L8350N 3650E	5518350	683649	1342		0.21	4.7	20.8	<10	<1	4.6	25.3	30	0.3	0.9	7.34	74.9	158	492	<0.5
L8350N 3750E	5518350	683750	1353		0.07	5.2	2.56	<10	<1	11.7	9.52	180	0.3	1.1	0.94	17.3	21.9	167	<0.5
L8350N 3850E	5518351	683850	1358		0.48	8.3	8.78	<10	<1	8.2	26.1	70	0.1	0.7	3.71	20.9	34.2	533	<0.5
L8350N 3950E	5518350	683950	1371		0.56	6.5	6.32	<10	<1	6.9	12.7	140	0.1	0.4	2.51	13	30.3	504	<0.5
L8350N 4050E	5518351	684052	1393		0.29	9.4	6.13	<10	<1	8.4	15.5	120	0.3	0.9	2.56	17.7	34.6	268	<0.5
						6	8			10	21		0.2	0.6		34.0	48.0		0.8
				MMI-M/BIOLEACH<0.5							0.48			0.39					
				MMI-M/BIOLEACH>0.5<2			0.69										0.71		
				MMI-M/BIOLEACH>2															

2023 MASTER SOIL DATABASE R2

STN ID	NORTH	EAST	ELEV	ELEMENT	W1	WTKG	Y	Y1	Yb	Yb1	Zn	Zn1	Zr	Zr1
				ANALYTICAL LIMITS	ppb	kg	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
				ANALYTICAL PROCEDURE	BIOLEACH	MMI-M	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH	MMI-M	BIOLEACH
L0825N 4200E	5517824	684201	1409		3.27	0.28	177	740	13.4	51.9	90	244	27	827
L0825N 4300E	5517825	684300	1417		3.43	0.34	331	120	21.5	9.3	80	359	129	537
L0825N 4400E	5517825	684400	1428		2.52	0.26	129	86.3	10.5	7.13	530	100	132	426
L0900N 3650E	5517900	683650	1399		3.15	0.28	206	125	16.4	9.51	150	160	129	565
L0900N 3750E	5517902	683752	1400		3.67	0.29	378	245	30	17.7	50	119	218	662
L0900N 3850E	5517899	683851	1403		1.9	0.33	155	77	14.1	6.08	190	97	222	248
L0900N 3950E	5517901	683952	1401		1.69	0.35	137	54.3	12.5	4.48	90	74	108	185
L0900N 4050E	5517906	684048	1405		2.7	0.28	148	80.9	11.9	6.05	100	89	155	249
L0900N 4150E	5517900	684151	1413		1.95	0.22	68	427	7.4	28.2	70	243	28	481
L0900N 4250E	5517902	684251	1415		1.9	0.28	143	721	11.6	48.9	150	401	40	634
L0900N 4350E	5517903	684352	1427		2.26	0.28	263	298	18.3	21	230	478	57	482
L0900N 4450E	5517902	684452	1431		1.34	0.38	41	400	4.5	27.5	40	131	38	425
L0975N 3200E	5517976	683198	1335		1.07	0.26	80	42.3	6.8	3.4	40	120	80	129
L0975N 3300E	5517976	683300	1326		2.51	0.29	237	131	17.2	10.1	50	149	106	467
L0975N 3400E	5517976	683400	1314		1.76	0.29	177	78.5	15.1	6.04	50	142	169	272
L0975N 3500E	5517973	683499	1355		2.99	0.27	674	821	52.6	56.8	30	392	68	906
L0975N 3600E	5517975	683601	1372		3.58	0.35	287	167	21.6	12.8	100	93	191	678
L0975N 3700E	5517975	683700	1380		2.78	0.37	161	105	13.3	7.98	70	118	123	295
L0975N 3800E	5517975	683800	1387		2.76	0.29	498	412	35.1	30.1	160	122	119	667
L0975N 3900E	5517974	683899	1390		5.35	0.23	78	188	6.8	12.6	30	143	22	207
L0975N 4000E	5517976	684000	1400		2.4	0.38	215	109	17.7	8.44	90	113	240	324
L0975N 4100E	5517976	684101	1408		1.85	0.41	168	101	12.4	7.49	70	46	165	296
L0975N 4200E	5517975	684200	1413		2.71	0.28	337	502	22.9	35.8	130	90	59	855
L0975N 4300E	5517974	684300	1428		2.32	0.31	510	779	41.2	53.5	150	103	50	572
L8050N 3250E	5518050	683251	1347		1.58	0.32	134	64.2	12.7	4.95	90	93	160	134
L8050N 3350E	5518051	683349	1344		10.3	0.37	78	628	7.2	42	<10	249	28	790
L8050N 3450E	5518050	683450	1345		3.26	0.22	659	1410	69.6	93.5	40	127	75	891
L8050N 3550E	5518050	683549	1359		2.58	0.37	267	111	23.7	8.59	490	321	424	403
L8050N 3650E	5518050	683650	1370		2.96	0.25	580	905	67.1	62.1	40	220	70	856
L8050N 3750E	5518050	683751	1376		3.02	0.19	248	248	20.4	18.3	100	124	141	571
L8050N 3850E	5518049	683850	1382		7.57	0.18	102	405	9	24.9	20	83	10	201
L8050N 3950E	5518050	683949	1391		2.29	0.29	372	99.6	28.7	8.62	70	69	233	385
L8050N 4050E	5518050	684048	1398		3.54	0.27	552	449	49.4	33.4	300	197	116	870
L8050N 4150E	5518050	684149	1408		1.7	0.36	220	110	16.3	8.46	60	76	83	317
L8050N 4250E	5518050	684251	1423		2.02	0.31	126	498	12.5	37.4	100	128	40	777
L8350N 3650E	5518350	683649	1342		7.17	0.26	165	793	12.7	50.1	<10	57	36	551
L8350N 3750E	5518350	683750	1353		1.88	0.32	174	78.5	14.9	6.36	50	21	165	238
L8350N 3850E	5518351	683850	1358		2.67	0.31	389	358	25.1	24.2	50	121	73	650
L8350N 3950E	5518350	683950	1371		2.71	0.37	266	252	18.2	16.6	70	79	62	332
L8350N 4050E	5518351	684052	1393		2.92	0.25	370	230	30.3	16.4	130	67	125	451
					2.6		225.8	300.0	18.7	21.3	122.9	149.6	120.5	477.6
				MMI-M/BIOLEACH<0.5	0.30									0.25
				MMI-M/BIOLEACH>0.5<2				0.75		0.88		0.82		
				MMI-M/BIOLEACH>2										

APPENDIX C: ACTLABS BIOLEACH BROCHURE

Bioleach uses technology proprietary to Actlabs, which dissolves remnant proteins that bacteria have left behind when they die. These proteins migrate directly above mineral deposits by a variety of processes and bioleach is designed to digest this soil component which can then be analyzed by ICP-MS.

Through years of research by Actlabs, supported by CAMIRO (Canadian Mining Research Organization) with our SGH technology, it has been proven that microbiological processes are exceptionally important. Electrochemical Redox cells mobilize metals from the mineral deposit to the surface which become adsorbed on soil particles and create unique surficial conditions that bacteria then feed upon. Bioleach digests bacteria and their proteins from the collected surficial samples to analyze for the elements related to the blind mineralization.

A 0.75g sample of -80 mesh (or other mesh size of your choice) upper B soil horizon material is leached in proprietary matrix at 30°C for 1 hour. Two controls for every 49 samples are leached in the same procedure.

The solutions are analyzed on an ICP-MS. One matrix blank is analyzed per 49 samples. Two controls are run at the beginning and end of the group of 49 samples. Duplicate samples are leached and run every 10 samples. For more information see our Bioleach Brochure.

Elements and Detection Limits (ppb)

Element	Detection Limit
----------------	------------------------

Ag	0.2
Al	0.5 ppm
As	0.5
Au	0.05
Ba	1
Be	0.07
Bi	0.1
Br	5
Ca	5 ppm
Cd	0.05
Ce	0.02
Co	0.1
Cr	2
Cs	0.01
Cu	0.5
Dy	0.01

Element	Detection Limit
----------------	------------------------

Er	0.01
Eu	0.01
Fe	1 ppm
Ga	0.1
Gd	0.03
Ge	0.05
Hf	0.04
Hg	0.05

Ho	0.01
I	1
In	0.1
K	5 ppm
La	0.01
Li	0.2
Lu	0.01
Mg	2 ppm
Element	Detection Limit
Mn	0.1
Mo	2
Nb	0.2
Nd	0.03
Ni	0.2
Pb	0.1
Pd	0.5
Pr	0.01
Pt	0.51
Rb	0.1
Re	0.01
Ru	0.05
S	10 ppm
Sb	0.2
Sc	0.5
Element	Detection Limit
Se	1
Sm	0.03
Sr	0.1
Ta	0.01
Tb	0.01
Te	1
Th	0.02
Tl	0.2
Tm	0.01
U	0.01
V	1
W	0.01
Y	0.02
Yb	0.02
Zn	2
Zr	0.5

APPENDIX D – EXPLORATION TARGET FIGURES

FIGURE 9-1: ANOMALOUS ppt SOIL GAS HYDROCARBON, ppb MOBILE METAL ION and BIOLEACH COPPER in SOIL EXPLORATION TARGETS over REDUCED TO POLE TOTAL FIELD MAGNETICS

FIGURE 9-2a: ANOMALOUS ppt SOIL GAS HYDROCARBON, ppb MOBILE METAL ION and BIOLEACH GOLD in SOIL EXPLORATION TARGETS over REDUCED TO POLE TOTAL FIELD MAGNETICS

FIGURE 9-2b: ANOMALOUS ppt SOIL GAS HYDROCARBON, ppb MOBILE METAL ION and BIOLEACH GOLD in SOIL EXPLORATION TARGETS over REDUCED TO POLE TOTAL FIELD MAGNETICS

FIGURE 9-2b: ANOMALOUS ppt SOIL GAS HYDROCARBON, ppb MOBILE METAL ION and BIOLEACH GOLD in SOIL EXPLORATION TARGETS over REDUCED TO POLE TOTAL FIELD MAGNETICS

RGSI

Work completed
 by Leopold J.
 Lindinger, P.Geo
 Renaissance Geoscience
 Services Inc.

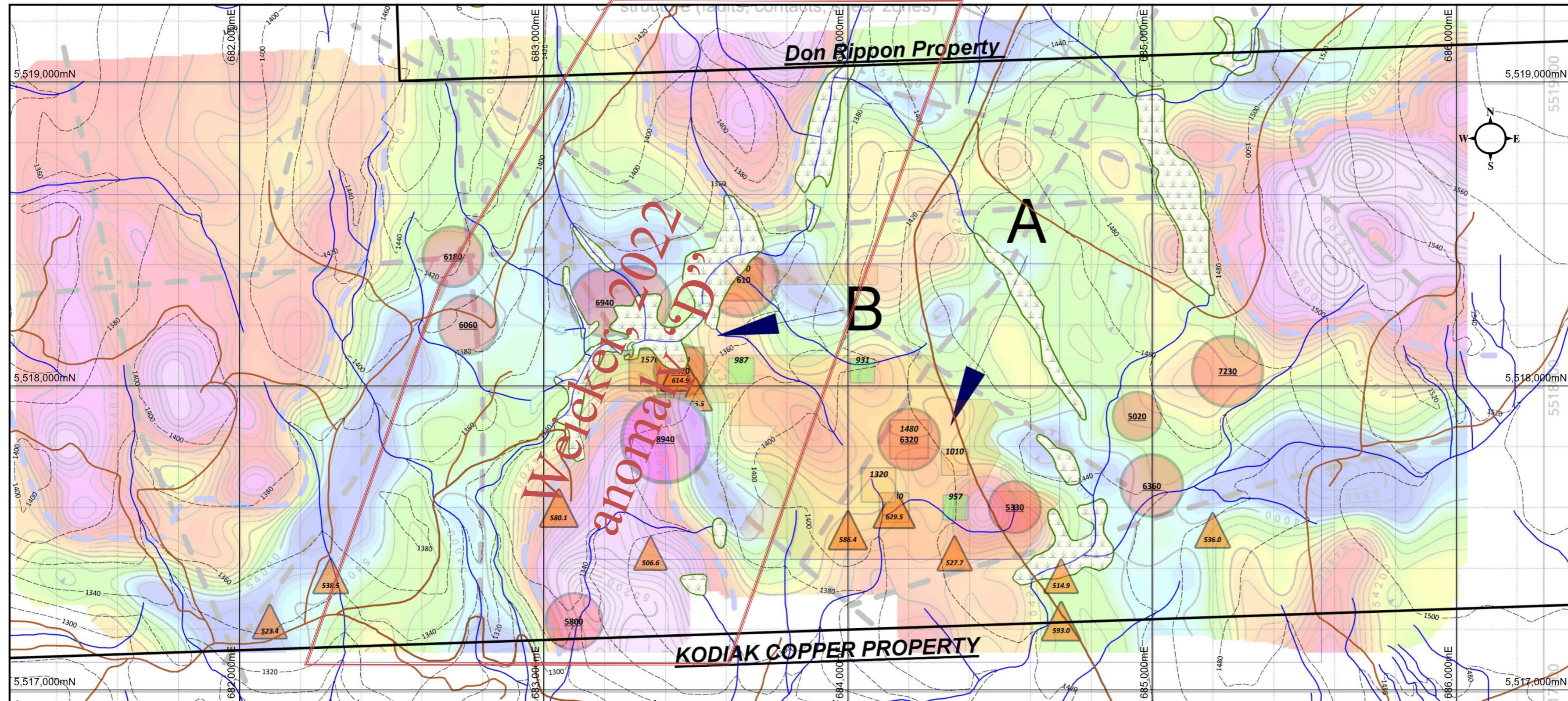
- Legend**
 EXPLANATION
- >500 <800 ppt SGH COPPER
 - >5000 < 9850 ppb MMI-M COPPER
 - >900 ppb BIOLEACH COPPER

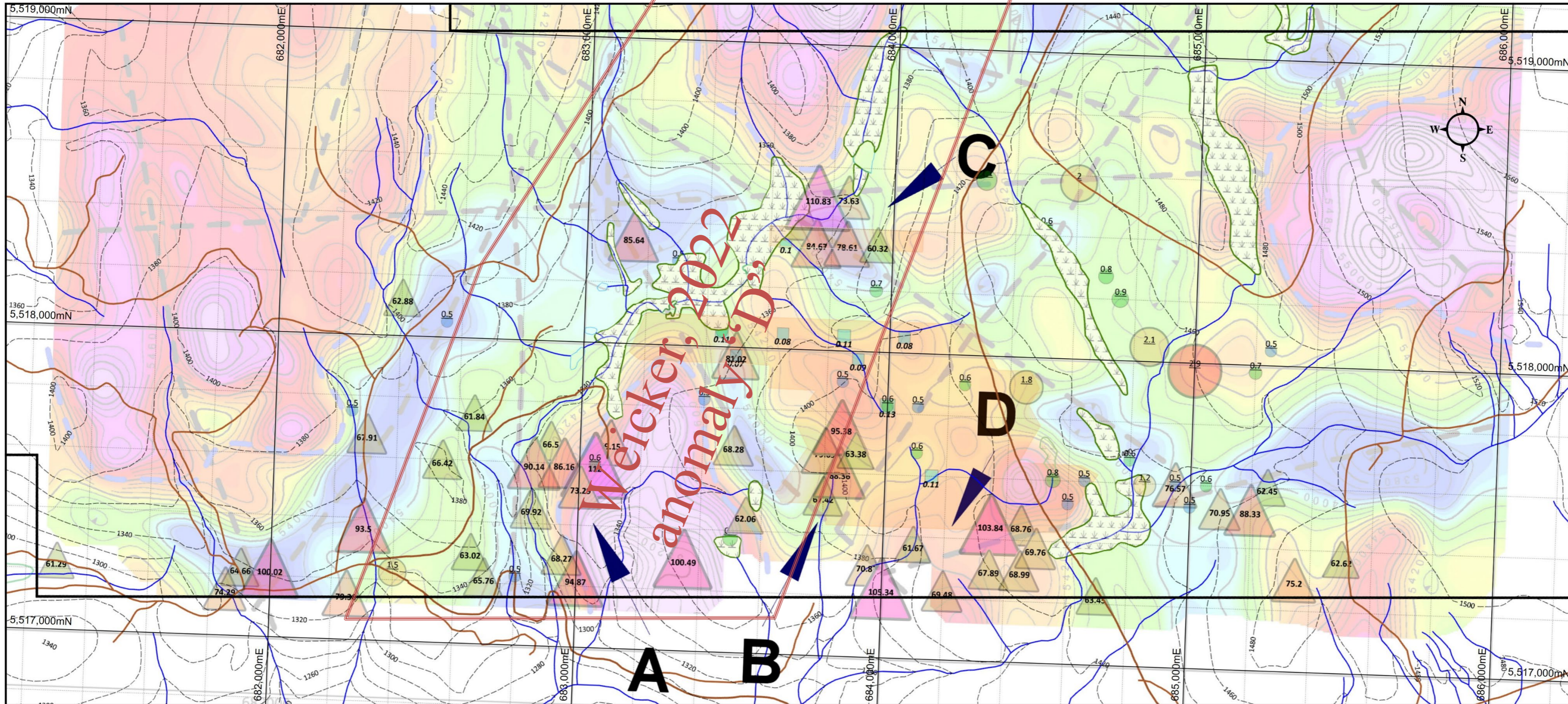
- COLOUR LEGEND
- <1000ppb BIOLEACH COPPER
 - >1000 ppb BIOLEACH COPPER
 - >500 ppt SGH COPPER
 - 5000 - 8000 ppm MMI COPPER
 - >8000 ppm MMI COPPER

Scale 1 : 12000	Plot Date 21-Dec-2023	Sheet 1 of 1
200 0 200m		

CONGLIN CREEK PROPERTY
 CONGLIN CREEK PROJECT
 2023 SOIL SAMPLE DETAIL
 FIGURE 9-1 ANOMALOUS
 ppt SOIL GAS HYDROCARBON
 ppb MOBILE METAL ION and
 BIOLEACH COPPER in SOIL
 EXPLORATION TARGETS
 OVER REDUCED TO POLE
 TOTAL FIELD MAGNETICS

RICHARD BILLINGSLEY
 OWNER







Work completed by Leopold J. Lindinger, P. Geo
 Renaissance Geoscience Services Inc.

Legend
 EXPLANATION

- ▲ >0.6 ppt SGH GOLD
- > 0.4 ppb MMI-M GOLD
- >0.07 ppb BIOLEACH GOLD

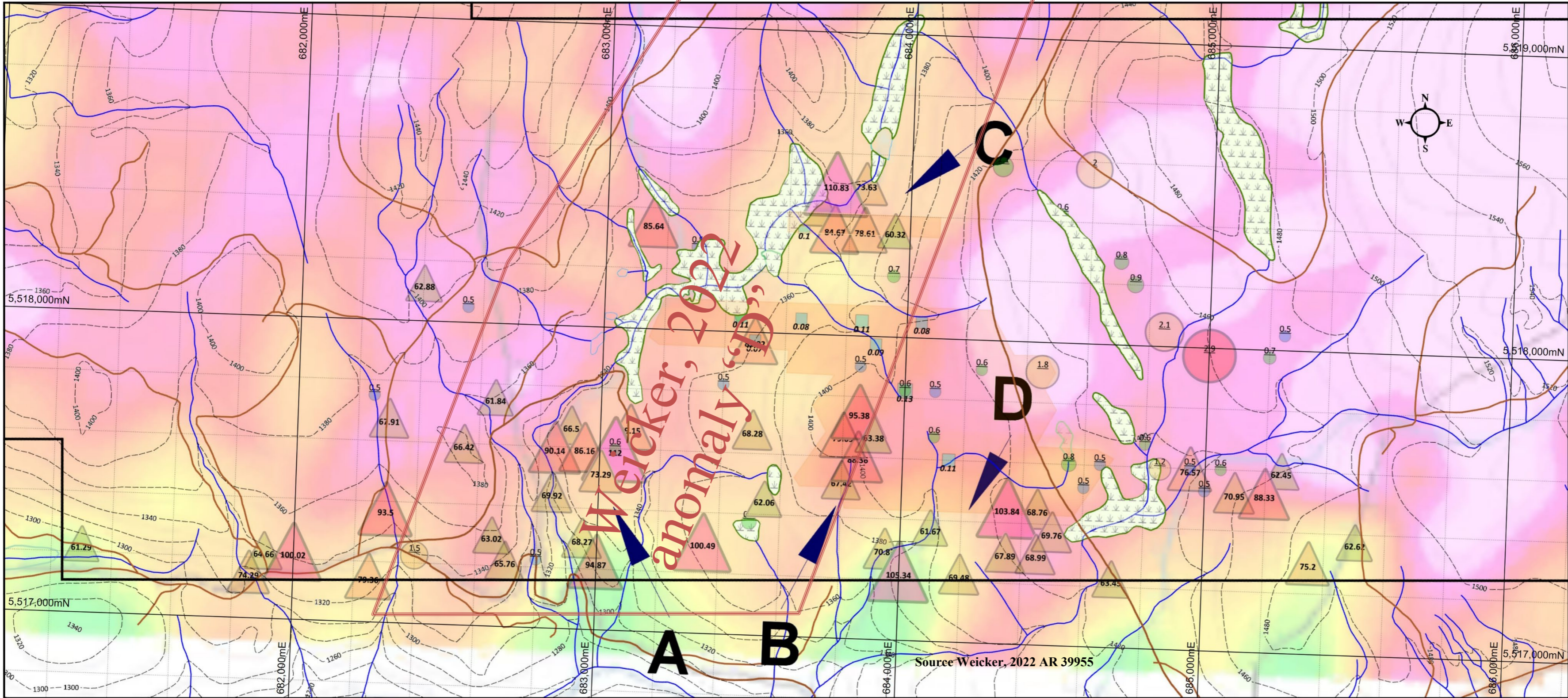
COLOUR LEGEND

- 0.4-0.7 MMI GOLD
- 0.04-0.1 ppb BIOLEACH GOLD
- <70 ppt sgh GOLD
- 0.6-1.2 ppb MMI GOLD
- >0.1 ppb BIOLEACH GOLD
- 70-90 ppt SGH GOLD
- 1.2-2.4 ppb MMI-M GOLD
- 90-100 ppt SGH GOLD
- >2.4 ppm MMI GOLD
- >100 ppt SGH GOLD

Scale 1 : 12000	Plot Date 21-Dec-2023	Sheet 1 of 1
		

CONGLIN CREEK PROPERTY
 CONGLIN CREEK PROJECT
 2023 SOIL SAMPLE DETAIL
 FIGURE 9-2a ANOMALOUS
 ppt SOIL GAS HYDROCARBON
 ppb MOBILE METAL ION and
 BIOLEACH GOLD in SOIL
 EXPLORATION TARGETS
 OVER REDUCED TO POLE
 TOTAL FIELD MAGNETICS

RICHARD BILLINGSLEY
 OWNER



RGSI

Work completed
 by Leopold J.
 Lindinger, P.Geo
 Renaissance Geoscience
 Services Inc.

Legend
 EXPLANATION

- △ >60 ppt SGH GOLD
- > 0.4 ppb MMI-M GOLD
- >0.07 ppb BIOLEACH GOLD

COLOUR LEGEND

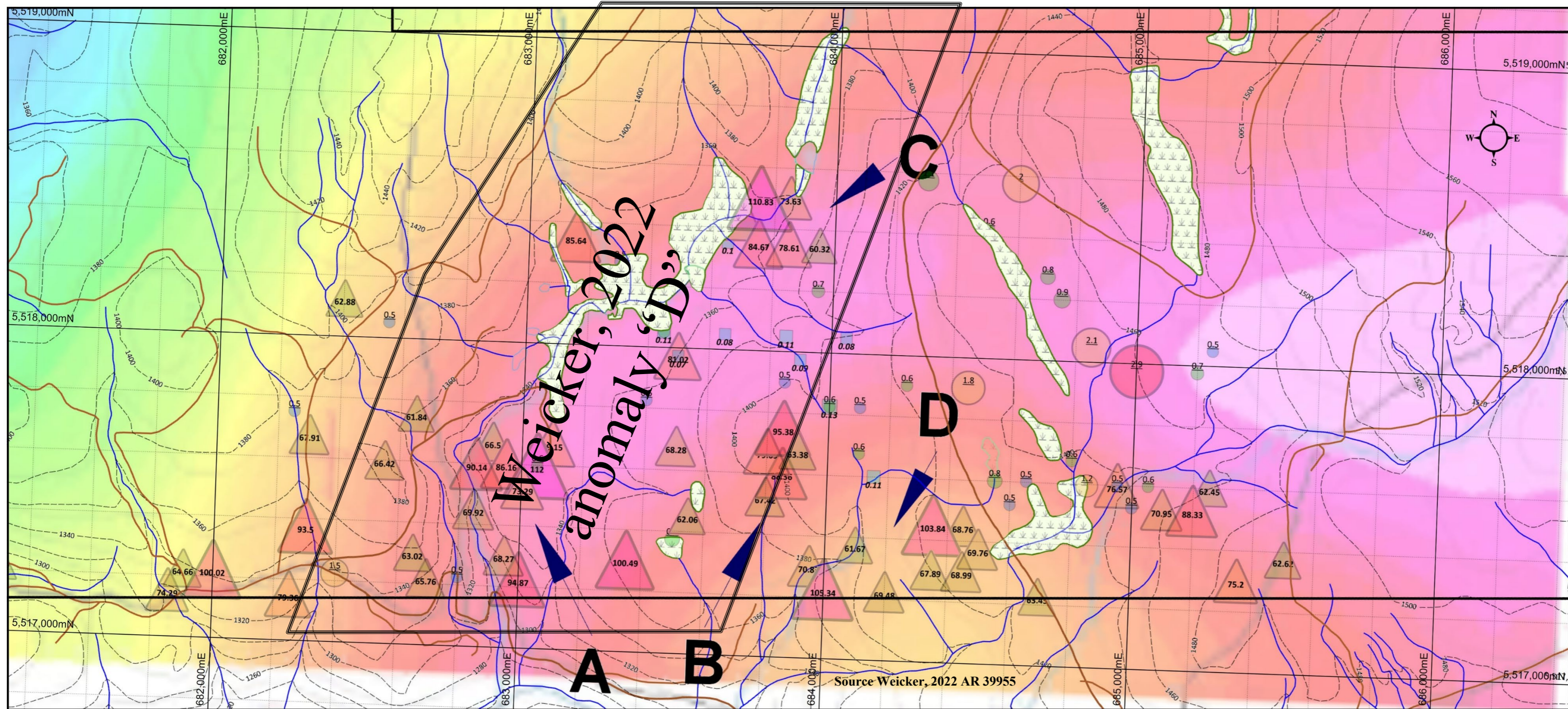
- 0.4-0.7 MMI GOLD
- 0.04-0.1 ppb BIOLEACH GOLD
- <70 ppt sgh GOLD
- 0.6-1.2 ppb MMI GOLD
- >0.1 ppb BIOLEACH GOLD
- 70-90 ppt SGH GOLD
- 1.2-2.4 ppb MMI-M GOLD
- 90-100 ppt SGH GOLD
- >2.4 ppm MMI GOLD
- >100 ppt SGH GOLD

Scale 1 : 12000	Plot Date 21-Dec-2023	Sheet 1 of 1
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CONGLIN CREEK PROPERTY
 CONGLIN CREEK PROJECT
 2023 SOIL SAMPLE DETAIL
 FIGURE 9-2b ANOMALOUS
 ppt SOIL GAS HYDROCARBON
 ppb MOBILE METAL ION and
 BIOLEACH GOLD in SOIL
 EXPLORATION TARGETS
 OVER 4274 Hz CONDUCTIVITY

RICHARD BILLINGSLEY
 OWNER



Work completed by Leopold J. Lindinger, P. Geo. Renaissance Geoscience Services Inc.

- Legend**
 EXPLANATION
- ▲ >60 ppt SGH GOLD
 - > 0.4 ppb MMI-M GOLD
 - >0.07 ppb BIOLEACH GOLD
- COLOUR LEGEND
- 0.4-0.7 MMI GOLD
 - 0.04-0.1 ppb BIOLEACH GOLD
 - <70 ppt sgh GOLD
 - 0.6-1.2 ppb MMI GOLD
 - >0.1 ppb BIOLEACH GOLD
 - 70-90 ppt SGH GOLD
 - 1.2-2.4 ppb MMI-M GOLD
 - 90-100 ppt SGH GOLD
 - >2.4 ppm MMI GOLD
 - >100 ppt SGH GOLD

Scale 1 : 12000	Plot Date 21-Dec-2023	Sheet 1 of 1
200 0 200m		

CONGLIN CREEK PROPERTY
 CONGLIN CREEK PROJECT
 2023 SOIL SAMPLE DETAIL
 FIGURE 9-2c ANOMALOUS
 ppt SOIL GAS HYDROCARBON
 ppb MOBILE METAL ION and
 BIOLEACH GOLD in SOIL
 EXPLORATION TARGETS
 OVER -400m RESISTIVITY

RICHARD BILLINGSLEY
 OWNER

Weicker, 2022
 anomaly, 'D'

Source Weicker, 2022 AR 39955