



ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TITLE OF REPORT: Irene Trend Project: Mt. Irene Area – Geochemical Sampling Report

TOTAL COST: \$3,223.57

AUTHOR(S): Doug Warkentin

SIGNATURE(S): 

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): N/A

STATEMENT OF WORK EVENT NUMBER(S)/DATE(S): 6026598/5 Jun-24, 6036544/6 Sep-24.

YEAR OF WORK: 2023

PROPERTY NAME: Irene Trend

CLAIM NAME(S) (on which work was done): Char Basin, Char SE, Char SW, Char M, Low Char, Irene Ridge

COMMODITIES SOUGHT: Au, Ag, Cu, Co

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 082FSE053, 082FSE080, 082FSE134.

MINING DIVISION: Nelson

NTS / BCGS: 082F/02

LATITUDE: 49° 3' 48"

LONGITUDE: 116° 57' 57" (at centre of work)

UTM Zone: 11 **EASTING:** 502500 **NORTHING:** 5434500

OWNER(S): Doug Warkentin

MAILING ADDRESS: 7069 McBride St., Burnaby, BC, V5E 1R1

OPERATOR(S) [who paid for the work]: Crucible Resources Ltd.

MAILING ADDRESS: 7069 McBride St., Burnaby, BC, V5E 1R1

REPORT KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude. **Do not use abbreviations or codes**): Late Proterozoic, Cretaceous, Windermere Supergroup, Irene Formation, Toby Formation, Anstey Pluton, Summit Stock, Greenstones, Granodiorites, Volcanics, Quartz Veins, Chalcopyrite

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: 22054, 26797, 32961, 34161, 37655 and 38709, 39596, 40478, 41215.

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (in metric units)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ...)			
Soil	16 samples, ICP-MS	Low Char, Char SE, Char SW, Irene Ridge	\$1898.94
Silt			
Rock	4 samples, ICP-MS	Char M, Char Basin, Char SE, Irene Ridge	\$474.73
Other			
DRILLING (total metres, number of holes, size, storage location)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling / Assaying	20 samples, prep and ICP-MS analysis	Char Basin, Low Char, Char M, Char SE, Char SW, Irene Ridge	\$849.90
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale/area)			
PREPATORY / PHYSICAL			
Line/grid (km)			
Topo/Photogrammetric (scale, area)			
Legal Surveys (scale, area)			
Road, local access (km)/trail			
Trench (number/metres)			
Underground development (metres)			
Other			
		TOTAL COST	\$3223.57

Irene Trend Project

Nelson Mining Division
NTS 082F/02

Project Area Location:
UTM NAD 83: Zone 11, 502500 East, 5434500 North

Registered Owner: Doug Warkentin
Operator: Crucible Resources Ltd.

Mt. Irene Area - Geochemical Sampling Report

Project Tenure Numbers:

1084476, 1089518, 1089643, 1094338, 1097828, 1097829, 1100749, 1100807, 1104315,
1104316, 1104317 and 1107325

SOW Event Numbers: 6026598 and 6036544

Sept 6, 2024

Prepared By: Doug Warkentin, P.Eng

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Introduction

Location and Access

The Irene Trend property lies at the south end of the Nelson Range of the Selkirk Mountains, approximately 28 km east southeast of the community of Salmo and 33 km west of Creston, in the Kootenay Pass area. The property lies less than 4 km from the pass, on the east side. The general project location is shown in Figure 1.

Access to the property is via forestry roads from the Salmo-Creston Highway (BC Hwy 3), which lies to the north of the property. At its closest point, the highway passes within 1.5 km of the property, in the Char Creek area. There is road access to the south end of the property via the Maryland Creek Forest Service Road (FSR) system, which leaves the highway approximately 15 km east of the pass. The northern part of the property is reached directly from highway 3 by the Char Creek FSR, about 8 km from the pass. The Maryland Creek FSR climbs back up to the southwest over a lower pass and then turns south into the Priest River drainage. About 4 km south of this pass, and only 3 km north of the international boundary, this road meets the Monk Creek FSR, which follows Monk Creek in a westerly direction back toward Kootenay Pass. The Monk Creek FSR passes near the southern property boundary, where logging and powerline access spur roads climb the steep hillside, providing access into the southern section of the property. The Maryland and Monk Creek FSR's are maintained forestry routes and are passable in summer months by 2WD vehicles.

The Char Creek FSR runs south from the highway up the Char Creek drainage. The lower portion of this road remains passable to 4WD vehicles while upper sections are not active but are maintained as snowmobile trails, allowing ATV access in the summer. This network of trails and other old overgrown logging spurs provides access to the north and central portions of the property.

The claim area extends from the Monk Creek drainage in the south across the ridge that forms the height of land on the west flank of Mt. Irene and extends northward along the ridge on the west side of the Char Creek drainage, which flows north into Summit Creek adjacent to the highway.

The property is generally high elevation and includes steep mountainous topography and shallow headwaters basins, ranging from an elevation of 1440 meters along Char Creek to 2000 meters on the west flank of Mt. Irene. The property includes relatively recent clear cuts, but is otherwise heavily forest covered at lower elevations, with sub-alpine vegetation at higher elevations.

In addition to forestry uses, some of the road access is used to service power transmission lines which traverse the area. A major transmission line passes along the south boundary of the property, on the north side of the Monk Creek drainage, while a second line follows Summit Creek and the highway, 1.2 kilometres north of the property.

Stagleap Provincial Park, which includes the Kootenay Pass area, lies less than 2 km from the western boundary of the project claim area.

Tenure Information

The area of the Irene Trend Project is made up of fourteen contiguous MTO claims on the western slopes of Mt. Irene between Summit Creek and Monk Creek covering a total area of 847 hectares. The claims are owned by the author, and Crucible Resources Ltd. has an option to acquire 100% ownership. The claim details are shown in Table 1. The expiry dates shown in this table reflect the

application of work described in this report. Note that for assessment purposes this report only applies to those claims issued prior to the beginning of the work program on Sept 14, 2023.

Historically the only crown granted mineral claims in the area were five claims granted in 1959 to L.R. Clubine, who worked in this area from the 1920's to the 1950's. These claims (known as the Copper Queen and Copper Queen No. 1 to No. 4) reverted to the crown in 1987, leaving no known legacy mineral tenures in the area.



Figure 1 – Irene Trend Project Location Map

Figure 2 outlines the tenures of the Irene Trend Project.

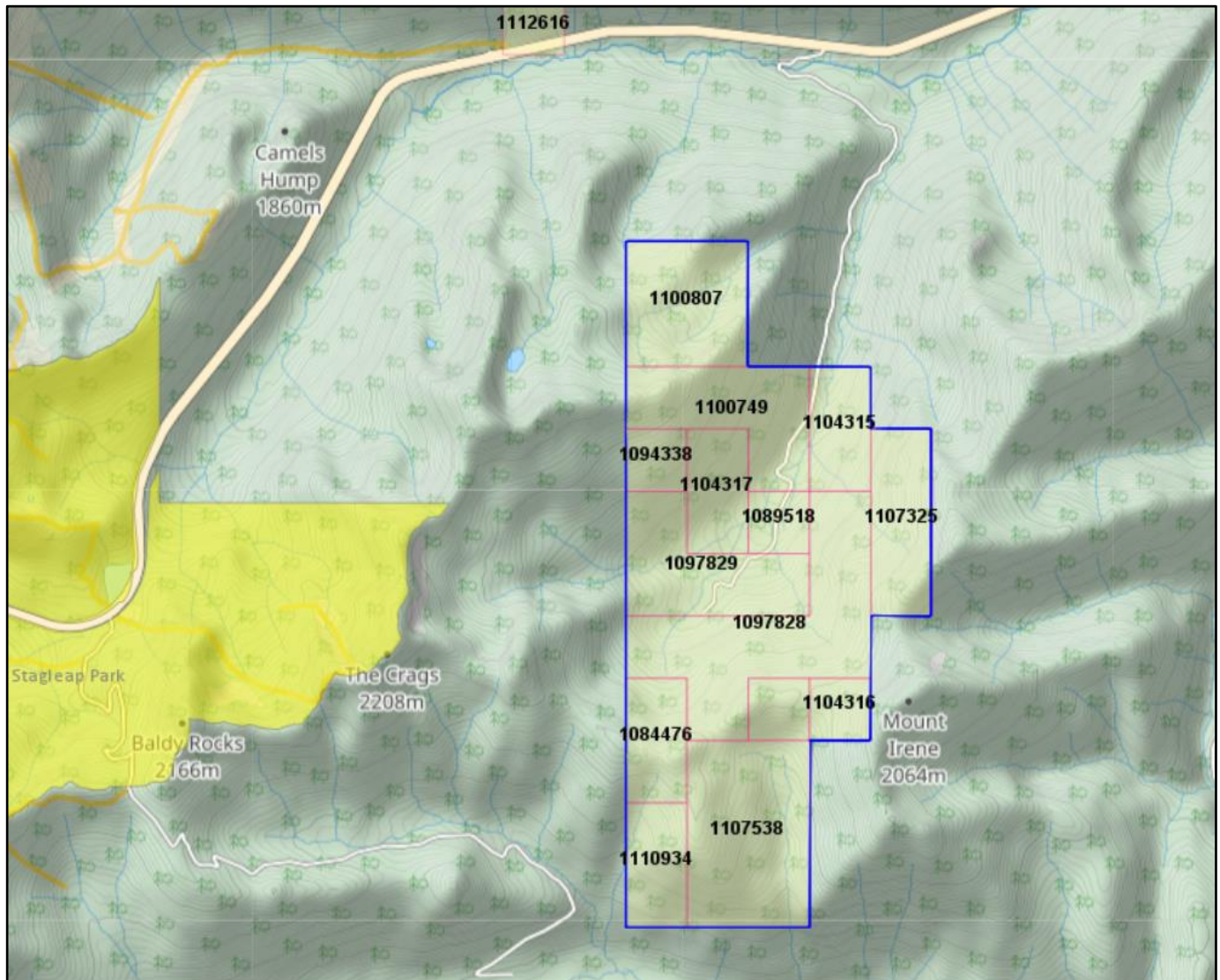


Figure 2 – Project Tenures (outlined in blue)

Table 1 – Irene Trend Project - Mineral Tenures

Title Number	Claim Name	Owner	Map Number	Issue Date	Good To Date	Area (ha)
1084476	IRENE LINC	145582 (100%)	082F	2021/SEP/20	2024/SEP/30	42.34
1089518	CHAR BASIN	145582 (100%)	082F	2022/JAN/20	2024/SEP/30	21.16
1089643	UPLINC	145582 (100%)	082F	2022/JAN/20	2025/MAR/15	21.17
1094338	CHAR TREND	145582 (100%)	082F	2022/MAR/29	2025/MAR/15	21.16
1097828	CHAR SE	145582 (100%)	082F	2022/SEP/26	2024/SEP/30	148.17
1097829	CHAR SW	145582 (100%)	082F	2022/SEP/26	2024/SEP/30	84.66
1100749	CHAR M	145582 (100%)	082F	2023/JAN/21	2025/MAR/15	84.64
1100807	CHARGOLD	145582 (100%)	082F	2023/JAN/21	2025/MAR/15	84.63
1104315	Low Char	145582 (100%)	082F	2023/MAY/21	2025/MAR/15	42.32
1104316	Mt Irene W	145582 (100%)	082F	2023/MAY/21	2025/MAR/15	21.17
1104317	Char W	145582 (100%)	082F	2023/MAY/21	2025/MAR/15	42.33
1107325	Irene Ridge	145582 (100%)	082F	2023/SEP/11	2025/MAR/15	63.49
1107538	Copper Queen	145582 (100%)	082F	2023/SEP/21	2024/SEP/21	127.04
1110934	Cu Spur	145582 (100%)	082F	2024/FEB/01	2025/FEB/01	42.35
Total						846.6

Regional Geology

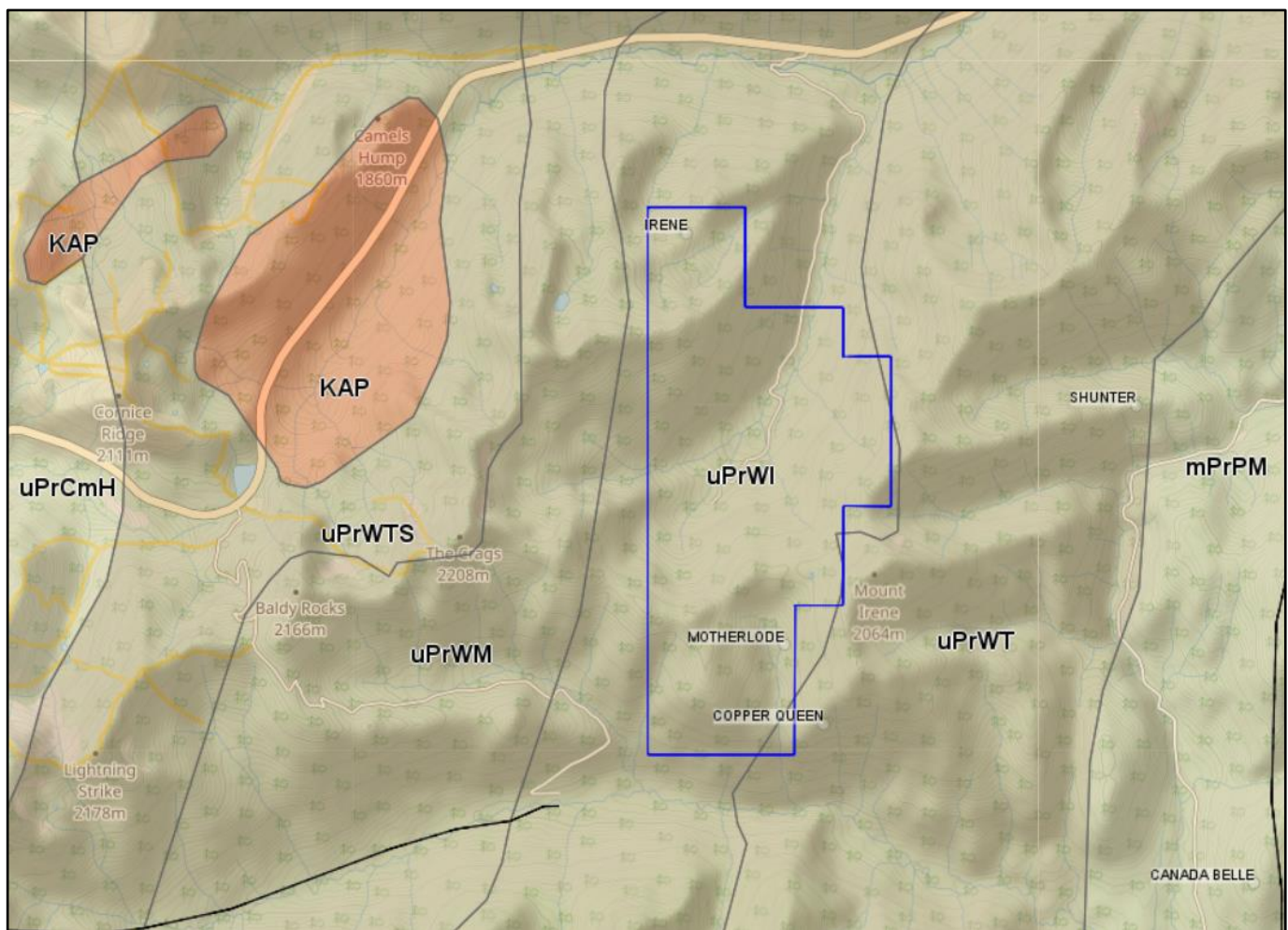
The Irene Trend project lies within the western section of the North American terrane, within a sequence of sediments and volcanics known as the Windermere Supergroup. This terrane occupies the western margins of the ancient North American Craton and is therefore older than most Cordilleran rocks. The Windermere rocks have been dated as late Proterozoic and overlie the somewhat older Purcell Supergroup sequences to the east. The group is bounded to the west by the younger sediments of the Kootenay Arc and throughout the area all these units have been intruded by younger stocks, plutons and batholiths.

The Purcell rocks are all dated as middle Proterozoic, with the largest and oldest unit in the area being the Aldrich formation, which includes argillite, greywacke, conglomerates and turbidites. The Aldrich rocks begin about 12 km to the east of the property, and on their west flank are conformably overlain by progressively younger units of the Purcell group. From east to west these consist of the clastic Creston formation, the dolomitic carbonates of the Kitchener formation, the Dutch Creek formation and the Mount Nelson formation. The latter units consist of coarse and fine clastic sediments and dolomitic sediments. The upper contact of the Mount Nelson unit lies approximately 3 km east of the property. All these units trend in a northerly to north-easterly direction in this region.

The oldest unit of the Windermere group, the Toby formation, consisting of coarse clastic sediments and conglomerate, overlies the Purcell rocks unconformably and extends west into the eastern and southeastern extents of the property. Conformably overlying this unit and making up most of the property area is the Irene Volcanic unit, which includes mafic volcanics and metamorphic greenstone and greenschist as well as limestone layers. To the west of the property the Monk formation consists of clastic sediments, turbidites and carbonates. Further west the quartzites of the Three Sisters formation form the top unit of the Windermere group. Overlying the Three Sisters formation are the younger Hamill Group sediments, which are part of the Kootenay Arc. In the project area the Windermere units trend in a generally north-northeast direction, with most units showing a pronounced deflection to the east in the Summit Creek area approximately 2 km north of the property.

To the north and west of the property area the Windemere units are extensively intruded by multiple phases of plutonic rocks of Jurassic and Cretaceous age. Of these, the most relevant are the Bayonne Batholith, a large Middle Jurassic age granitic body that hosts the historical Bayonne gold mine, and the various units of the Anstey Pluton, a Cretaceous age series of granodioritic intrusions, which includes the Summit Stock, lying to the west of the property in the Kootenay Pass area.

Some north to northeast trending regional faulting is mapped in the Aldrich formation and younger Purcell units east of the property. Closer to the claim area an east-west fault has been mapped cutting both Kootenay Arc and Windemere units along Monk Creek, near the southwest corner of the property. To the northwest the Three Sisters and Monk formations both show apparent displacement to the east around the Summit Stock. The regional geology surrounding the Irene Trend project is shown in Figure 3.



- KAP** – Cretaceous Anstey Pluton - granodioritic intrusive rocks (Summit Stock)
- mPrPM** – Meso Proterozoic Mt. Nelson Formation – quartzites and quartz arenite sedimentary rocks
- uPrCmH** – Neoproterozoic to Lower Cambrian Hamill Group – quartzite, quartz arenite sedimentary rocks
- uPrWI** – Neoproterozoic Irene Formation – greenstone, greenschist metamorphic rocks
- uPrWM** – Neoproterozoic Monk Formation – argillite, greywacke, wacke, conglomerate turbidites
- uPrWT** – Neoproterozoic Toby Formation – conglomerate, coarse clastic sedimentary rocks
- uPrWTS** – Neoproterozoic Three Sisters Formation - quartzites and quartz arenite sedimentary rocks

Figure 3 – Regional Geology, Irene Trend Area

Local Geology

The Irene Trend project lies almost entirely within the Irene volcanic unit of the Windermere supergroup. The contact of the volcanics with the Toby conglomerate unit cuts parts of the eastern and southeastern boundaries of the claim block. Within the Irene volcanics the rocks are typically fine-grained greenstone, with some areas of greater metamorphism forming greenschist. In the northern part of the property narrow beds of limestone have been mapped within the Irene formation, following a north-south trend. A narrow bed of conglomerate was also mapped paralleling the limestone. These beds are projected as continuing to the south along strike through the southwestern portion of the project area, but their presence south of the divide between the Char Creek and Monk Creek drainage has not been confirmed.

The Summit Stock of the Anstey Pluton is mapped within about two kilometres of the western property boundary, and regional aeromagnetic data shows strong magnetic highs surrounding this intrusion, extending to the east well into the project area, suggesting that the intrusive is only partly exposed and may underlie the western units of Windermere sediments and part of the Irene formation. Granodiorite dikes occur in the southwest part of the property and some intrusive float is evident suggesting that there may be additional outcrops that have not been mapped.

This area has seen limited historical exploration and there are only a few known mineralized showings. The most well-known occurrence in the region is at the Bayonne mine, which lies about 8 km north of the property. Mineralization at the Bayonne consists of quartz-filled fissure veins within a granodiorite stock (the Mine Stock, a distinct intrusion within the Bayonne Batholith). The veins carry gold associated with pyrite, galena, sphalerite, chalcopyrite and tetrahedrite.

Recorded mineralization on the property consists of two separate showings. The Irene showing in the lower Char Creek area consists of quartz veining and volcanic breccia zones containing some chalcopyrite, pyrite and iron oxides in varying amounts, with variable gold values. The Motherload showing is located in the southern part of the property in the Monk Creek drainage and appears to be similar to the Irene showing. Historical reports describe a north trending zone of shearing and alteration along an unnamed creek southwest of Mt. Irene. Although poorly exposed, this zone reportedly contained significant widths of quartz carrying sections rich in pyrite and chalcopyrite. Other exposures showed iron oxides in quartz. Regional stream sediment geochemistry shows strong copper values in the vicinity of the Irene Volcanics together with some anomalous gold values and elevated cobalt levels.

Property History

The Irene Trend property has a limited history of exploration, most of which was carried out in the 1990's and 2000's. Historical results from Minfile showings on the property are summarized in Table 2. The earliest reference is to the Motherload property, which was described in a 1937 Annual Report of the BC Ministry of Mines, with a description of at least seven trenches or open cuts excavated along a north-south shear zone carrying quartz and chalcopyrite in a small valley on the southwest slope of Mt. Irene. The report describes the trenches as dating from a decade earlier and being partially caved and filled in. This suggests the earliest work in the area would have occurred in the mid to late 1920's. The report provides analysis of samples collected by the government inspector from the southernmost of these workings. This cut was apparently the most significant excavation, and two samples from different parts of it assayed 0.2 oz/ton Au, 2.5 oz/ton Ag and 0.4% Cu in iron-rich quartz, and 'trace' Au, 4.5 oz/ton Ag and 2.4% Cu in chalcopyrite-bearing quartz.

In the 1956 Annual report there was a similar description for the Copper Queen property in the same general area. The Copper Queen claims were crown granted around this time, providing a record of the location. The Motherload and Copper Queen were both staked and worked by the same owner, L.R. Clubine over approximately 30 years. The later report describes the Copper Queen as being at a lower elevation than the earlier workings and the descriptions are somewhat different, but it is probable that both reports are at least in part describing the same showings.

The Copper Queen is described as primarily consisting of a prominent east-west trending quartz vein exposed near the creek along with an additional open cut about 200 meters downstream. The quartz exposure was 15 meters wide and carried chalcopyrite, hematite, sericite and secondary copper minerals, with mineralization strongest in the southernmost 6 meters. Sampling across this width averaged 0.16% Cu with 0.3 g/t Au. A sample from the open cut to the south showed no values.

The Irene or Char occurrence lies at the north end of the property and previous work programs in the area included much of the property that lies in the Char Creek drainage. The Irene claims were first staked by Cominco Ltd. In October 1990 after regional stream sediment geochemical sampling showed anomalous gold values in Char Creek. A program carried out in 1991 included prospecting, geological mapping and some soil geochemistry. Some limited gold anomalies were identified along with some stronger copper anomalies along Char Creek. Rock samples returned values up to 0.28% Cu, including a sample from a quartz vein outcrop in the south part of the Char Creek drainage that assayed 0.18% Cu and a sample of float rock collected along an upper branch of the creek in the southeast that assayed 0.26% Cu with 11.7 g/t Ag and 0.14 g/t Au. At the actual Irene occurrence samples returned 0.21% and 0.28% Cu with one sample also grading 0.24 g/t Au

Table 2: Irene Trend Project – Area Minfile Showings

Name	Minfile #	Minerals	Reported Grades	Sample (m)	Year
Motherload	082FSE080	Cu, Au, Ag	6.9 g/t Au, 86 g/t Ag, 0.4% Cu	0.6	1937
			2.4% Cu, 154 g/t Ag	grab	1937
Copper Queen	082FSE053	Cu, Au, Ag	0.34 g/t Au, 0.16% Cu	6.1	1956
Irene/Char	082FSE134	Cu, Au, Ag	0.21% Cu, 0.24 g/t Au	grab	1991
			2.83% Pb, 461 g/t Ag, 8.77 g/t Au	grab	2001

In 2001 the area was re-staked as the Char claims and prospected for gold by Glen Rodgers. The work included rock and stream sediment sampling, and some significant precious metal anomalies were identified, including a rock sample assaying 8.8 g/t Au and 461 g/t Ag, along with some high lead values with lesser copper and zinc values in a few samples. Fine placer gold was also found in panned concentrates from stream sediments from Char Creek and its tributaries, particularly in the upper part of the drainage. These concentrates also generally showed anomalous copper and cobalt values.

Sediment samples included separate analyses of magnetic fractions in six panned concentrates. Based on the assumption that these samples would be dominated by magnetite, the results can be used as an indicator of the origin environment of the magnetite by comparing these values to those found in recent published research on magnetite as a porphyry indicator mineral (Pisiak, 2014).

Using the Ti content and Ni/Cr ratios from these samples suggests a hydrothermal origin rather than an igneous one.

No follow-up was reported on the 2001 work and the claims lapsed, with no further work reported until much of the area was re-staked in 2011 and acquired by Integra Gold Corp. Prospecting, geological mapping and ground geophysics were conducted in 2011 and 2012. This work was mainly conducted around the Irene showing at the north end of the Irene Trend claims, and it identified two parallel north-south trending mineralized shears that remain open to the south. The western shear contained quartz breccia and carried copper mineralization, while the east zone was iron rich with some lead and zinc values in relatively narrow quartz veins. Both zones showed anomalous gold values, generally less than 1 g/t Au. Geophysics also showed magnetic north-south features associated with the mineralization which are also open to the south. While there are bands of limestone and conglomerate trending in the same direction in the area explored, the zones identified were both within the volcanics.

In 2017 Crucible Resources located and sampled the main Copper Queen vein, with the best sample returning 0.65% Cu and 61 g/t Ag over 1.5 meters. Geochemical soil sampling carried out in 2017 and 2018 showed significant areas of anomalous copper values, including individual samples at the north end of the southern drainage basin and a continuous series of samples covering a wide stretch of the hillside to the southwest of the main showing. This latter section included some anomalous gold and cobalt values. Anomalous copper values were also found in float material collected from Char Creek.

Soil sampling in 2022 in the southeast part of the Char Creek basin return strongly anomalous copper and cobalt values over a distance of approximately 370 meters. This line of samples was located upslope and about 350 meters southeast of the strongest part of the copper anomaly identified by Cominco in 1991.

Summary of Work

A site visit was conducted in September 2023, primarily to expand on the 2022 geochemical sampling that gave a strong copper and cobalt response in the southeastern portion of the Char Creek basin, on the northwest slope of Mt Irene. Areas were sampled both to the southwest and northeast of the anomalous zone, with prospecting in the same areas where outcrops and other exposed rock were available. Prospecting included sampling of stream and talus float as well as shear exposures on the steep hillside above the forestry access road. Soil samples were collected along the forestry road both below and above the area samples in 2022. Rock samples included both float material and chip samples from relatively narrow shears in the Irene volcanics. A total of four two float rock samples were collected, along with two grab samples from outcrop. Sixteen soil samples were collected, covering a 350-meter section of forestry road southwest of the previous sampling and a further 700 meters of the same road to the northeast.

Work Program

Sampling and Data Collection

Sampling was conducted during a one-day site visit to the Irene Trend project. On September 15th, 2023, the Char Creek area of the property was visited, accessed directly from highway 3 via the Char Creek FSR, focusing on an inactive branch road that climbs the northwest flank of Mt. Irene. Sections

of this branch road were used to collect soil samples both above and below an area sampled in 2022. In addition, the road allowed access to some areas of limited outcrop and road cut exposures along the steep hillside. Soil sampling included six samples extending the 2022 sampling over 350 meters to the southwest and a further 10 samples along the same road and a higher elevation switch-back to the northeast of the 2022 samples. Along this same road two zones showing sheared greenschist with quartz were sampled as was a sample of quartz float near the switchback. In addition, a sampling of mineralized float was collected from a small stream feeding into Char Creek below the area of anomalous copper in soils. A total of 16 soil samples were collected along with two float samples and two outcrop grab samples.

Sample descriptions and locations, along with principal assay results for the rock samples collected are summarized in Table 3. Soil sampling conditions and locations are provided in Table 4. Locations and key results are shown for all samples collected on the map in Appendix 1. Complete assay reports are included in Appendix 2. Rock samples were dried, crushed, split and pulverized before being analyzed. The soil samples were dried and screened at 80 mesh, with the minus 80 mesh fractions being submitted for assay. For all samples, 0.5 grams of pulverized or screened material was digested with aqua regia. Both rock and soil samples were analyzed using a standard 37 element scan by ICP-MS. All analyses were carried out by Bureau Veritas Mineral Laboratories (formerly Acme Analytical Laboratories Ltd.) located in Vancouver, B.C.

The locations visited and samples collected are described below.

Rock Samples

While the main focus of this work was the extension of soil sample coverage, concurrent prospecting was also conducted. Along the east branch of Char Creek, near its confluence with the main branch, a fair amount of vein quartz and silicified material was present, along with the more pervasive volcanics and a more limited amount of intrusive material. A selection of chips from vein and silicified float was collected (CR230915-1) at this location. The material showed significant iron staining and limited weathered pyrite. Assay values, however, were minimal.

The lower slopes of the Char Creek basin are heavily forested, and outcrops are limited. In the upper section of soil sampling, near the eastern claim boundary, the steep slopes show more outcrop above the road, often with a talus slope between the road and the outcrop. Outcrops observed showed volcanic rocks with varying degrees of alteration, with some sheared sections, occasionally carrying minor quartz. Samples CR230915-2 and -3 both came from quartz-bearing shears above different sections of the road. In addition to quartz and host greenschist, the vein material carried some weathered pyrite. The upper sample (CR230915-3) showed more significant patches of pyrite and also the host volcanics carried a distinctive brick-red surface oxide layer. Despite elevated iron levels, these samples did not carry any economic values.

Table 3: Rock Sample Descriptions with Analytical Results

Sample #	Date	Description	UTM East	UTM North	Width (m)	Au g/t	Ag g/t	Cu ppm	Pb ppm	Zn ppm	Co ppm
Char Creek Area - Rock											
CR230915-1	2023-09-15	Quartz-rich intrusive float, sheared with sulphides	502121	5434928	-	0.001	<0.1	45.9	6.5	32	16.2
CR230915-2	2023-09-15	Rotted quartz in greenschist with pyritic margins	502682	5434975	-	0.001	<0.1	16.0	3.1	72	22.4
CR230915-3	2023-09-15	Chip sample, red schist with 4 cm quartz vein	502755	5434938	0.6	0.001	<0.1	24.6	2.9	122	33.3
CR230915-4	2023-09-15	Dense grey-green schist float with pyrite inclusions	502785	5435106	-	<0.0002	<0.1	33.8	6.2	115	45.3

A final sample collected (CR230915-4) was from road float at the furthest northeast point of the sampling traverse. This sample was dense grey-green volcanic schist with relatively heavy pyritic veining. This sample also returned high iron content, but while some base metals were slightly elevated none showed significant values.

Soil Samples

The principal activity in this work program was the collection of soil samples to expand on the strong copper anomaly identified in 2022. Samples were collected along the same forestry spur road both below and above the previously sampled zone. Below the 2022 zone, five samples were collected at approximately 50 meter spacing, up to 190 meters from the previous sampling, with a sixth sample about halfway between to add continuity. Above the 2022 samples, a line of six soil samples continued the previous line at approximately 50 meter spacing. A short distance to the northeast a switchback directs the spur road more steeply up the western slope of Mt. Irene to the south. A further four soil samples were collected along this section at approximately 100 meter spacing. All samples were collected from the upslope side of the road (southeast or east side). In general, the sample locations were just off the road in shallow sloped forest cover or at the base of a talus slope. Sample locations generally showed rocky soil, but with adequate B horizon development, with samples collected at depths ranging from four to ten inches, depending on the individual site conditions.

Table 4: Geochemical Soil Sample Descriptions and Locations

Sample #	Date	Description	Soil Horizon	Depth (cm)	UTM East	UTM North
Char Creek Area - Soil Samples						
CR230915-G1	2023-09-15	gravel, rocky grey-green	B/C	25	502044	5434172
CR230915-G2	2023-09-15	thin, good, reddish brown, rocky	B	15	502084	5434193
CR230915-G3	2023-09-15	slightly rocky, grey-brown	B	10	502119	5434205
CR230915-G4	2023-09-15	rocky, grey-green	B/C	12	502161	5434258
CR230915-G5	2023-09-15	some clay, grey-green	B/C	15	502210	5434351
CR230915-G6	2023-09-15	rocky, good, grey	B	15	502247	5434450
CR230915-G7	2023-09-15	deep, soft, brown	B	25	502583	5434811
CR230915-G8	2023-09-15	soft, grey-brown	B	20	502610	5434845
CR230915-G9	2023-09-15	flat, good, grey-brown	B	20	502637	5434898
CR230915-G10	2023-09-15	rocky, in talus, brown	B/C	10	502662	5434935
CR230915-G11	2023-09-15	heavy roots	A/B	22	502682	5434979
CR230915-G12	2023-09-15	soft, good, reddish brown	B	20	502707	5435018
CR230915-G13	2023-09-15	rocky, red-brown	B	15	502786	5435123
CR230915-G14	2023-09-15	good, reddish-brown	B	15	502763	5435017
CR230915-G15	2023-09-15	good, brown	B	20	502756	5434929
CR230915-G16	2023-09-15	fine schist, dark grey	B	20	502784	5434813

Samples collected in 2023 returned copper and cobalt values ranging from strong background levels to strongly anomalous. Copper ranged from 40 ppm to 371 ppm and cobalt from 17.8 to 42.7 ppm. For copper there was strong zoning of the values, with the highest values all occurring on the southwest stretch of road below the 2022 samples, with all but one of these assaying above 200 ppm Cu. Only one of the samples above the 2022 zone to the northeast returned a value above 100

ppm. The results for the lower sample group showed good continuity with the 2022 sampling, while those above indicated a clear end to the strongly anomalous zone. This upper bound also corresponds geographically to a small stream crossing in a ravine that may represent a relevant structural feature. All the northeastern samples were on the opposite side of this feature from the anomalous zone. To the southwest this zone remains open, now covering a distance of approximately 800 meters along the slope at an elevation of roughly 1650 meters. This zone would also appear to be associated with anomalous copper values seen in a line of soil sampling along the bank of Char Creek collected by Cominco in 1991. That anomalous zone was along a stretch of creek immediately below the current samples, but with somewhat lower values than those obtained from the 2022 work. Another significant anomalous zone has also been identified south of the ridge in the Monk Creek drainage, to the southwest of Mt' Irene, also with elevated copper and cobalt.

Some slightly elevated gold values were also obtained from the current set of samples. The higher values (up to 10.4 ppb) were all correlated with the high copper values in the southwest sample line. Other base metals did not show any strong anomalies, although there was distinct zonation between the southwest and northeast for several metals, with zinc, iron, manganese and vanadium showing higher concentrations in the northeast, where copper was lower.

Interpretation of Results

The results of this work program were helpful in further defining the strong copper-in-soil anomaly identified in the Char Creek basin in 2022. Rock samples explored minor sulphide occurrences but did not identify any new economic mineralization. Rock samples were mainly from the northeast, where soil sampling showed at best sporadic values. No bedrock or float mineralization has yet been identified that would explain the strong copper-in-soil anomalies found.

The soil sampling in the Char Creek basin has now shown a limit to the copper anomaly to the east, possibly defined by an unmapped structural element correlating to a drainage. Both sides of this drainage are mapped within the Irene volcanics, but the soil geochemistry points to significant differences between the rocks on either side, suggesting either a change in geology or a sharp transition to a zone of distinct alteration. Despite the limited bedrock mineralization that has been identified to date on the property, the geochemical results continue to justify follow up work, both to expand and delineate soil anomalies and to continue prospecting for potential surface exposures of source mineralization. One useful objective might be to test for possible continuity of elevated copper and cobalt between the anomalies found in the Char Creek and Monk Creek drainages. Geophysical work would also be a useful tool in identifying hidden zones of mineralization and mapping geological boundaries.

References

BC MINISTRY of ENERGY and MINES, 1937 Annual Report.

BC MINISTRY of ENERGY and MINES, 1956 Annual Report.

GRANGER, R., 1999, BC Prospectors Assistance Program. Prospecting Report #PAP 99-9.

HAWKINS, M.A., 1992, Report on Prospecting and Geochemical Work Undertaken on the Irene Property, for Cominco Ltd., BC Assessment Report #22054.

HOY, T., BELTON, B.A. and KENNEDY, S., 2013, Ground geophysical survey and prospecting report, Char property, southeastern British Columbia, for Integra Gold Corp., BC Assessment Report #34161.

PISIAC, L.K. et al., 2014, 'Magnetite as a Porphyry Copper Indicator in Till: A Test using the Mount Polley Porphyry Copper-Gold Deposit, South-Central British Columbia', in Summary of Activities 2014, Geoscience BC Report 2015-1.

RODGERS, G.M., 2002, Geological and Geochemical Report, Char 1-14 Mineral Claims, BC Assessment Report #26797.

SEABROOK, M. and HOY, T., 2012, Geological Mapping, Char property, southeastern British Columbia, for Integra Gold Corp., BC Assessment Report #32961.

WARKENTIN, D., 2018, Char Creek and Copper Queen Areas – Geochemical Sampling Report, for Crucible Resources Ltd., BC Assessment Report #37655.

WARKENTIN, D., 2019, Irene Trend Project: Copper Queen and Motherload Areas – Geochemical Sampling Report, for Crucible Resources Ltd., BC Assessment Report #38709.

WARKENTIN, D., 2021, Irene Trend Project: Copper Queen Area – Geochemical Sampling Report, for Crucible Resources Ltd., BC Assessment Report #39596.

WARKENTIN, D., 2022, Irene Trend Project: Monk West Area – Geochemical Sampling Report, for Crucible Resources Ltd., BC Assessment Report #40478.

WARKENTIN, D., 2023, Irene Trend Project: Mt. Irene Area – Geochemical Sampling Report, for Crucible Resources Ltd., BC Assessment Report #41215.

Author's Qualifications

I, Douglas Warkentin, P.Eng., a professional engineer with a business address at 7069 McBride Street, Burnaby, B.C., certify that:

I have been a Registered Member of the Association of Professional Engineers and Geoscientists of the Province of British Columbia since 1992.

I am a graduate of the University of British Columbia, Vancouver, B.C. and hold a degree of Bachelor of Applied Science in Mining and Mineral Process Engineering.

I have practiced my profession as a Metallurgist and Mineral Process Engineer for 36 years.

I am currently employed as a Metallurgical Engineer by Kemetco Research Inc., Vancouver B.C., and have previously been employed as a Mineral Process Engineer by Vista Mines Inc., Coastech Research Inc., NTBC Research Corp., Biomet Mining Ltd., Blue Sky Mines Ltd., and Vizon Scitec Inc. I have also previously served as a Director of Duncastle Gold Corp., a TSX-Venture listed company.

Since 2001 I have acted as an independent engineering consultant for a number of mining clients.

I am a qualified person for the purposes of National Instrument 43-101 in relation to metallurgical testing and evaluation programs.

I directly conducted or supervised all sampling, sample handling and preparation related to the Irene Trend Project that is described in this report.

I am the sole author of this report.

I am not aware of any material fact or material change with respect to the subject matter of this technical report that is not reflected in this report, the omission to disclose which would make this report misleading.

Dated at Vancouver, B.C., this 3rd day of September 2024.

Doug Warkentin, PEng.
Metallurgical Engineer

Statement of Costs

Site Reconnaissance and Sampling

Labour

Doug Warkentin, P.Eng.: September 14-16, 2023 (18 hours @ \$62.50/hr) \$1125.00

Transportation (2 days - mileage and fuel) \$278.88

Accommodation (1 night) \$145.77

Food and Supplies (2 days) \$74.02

Sample Analysis

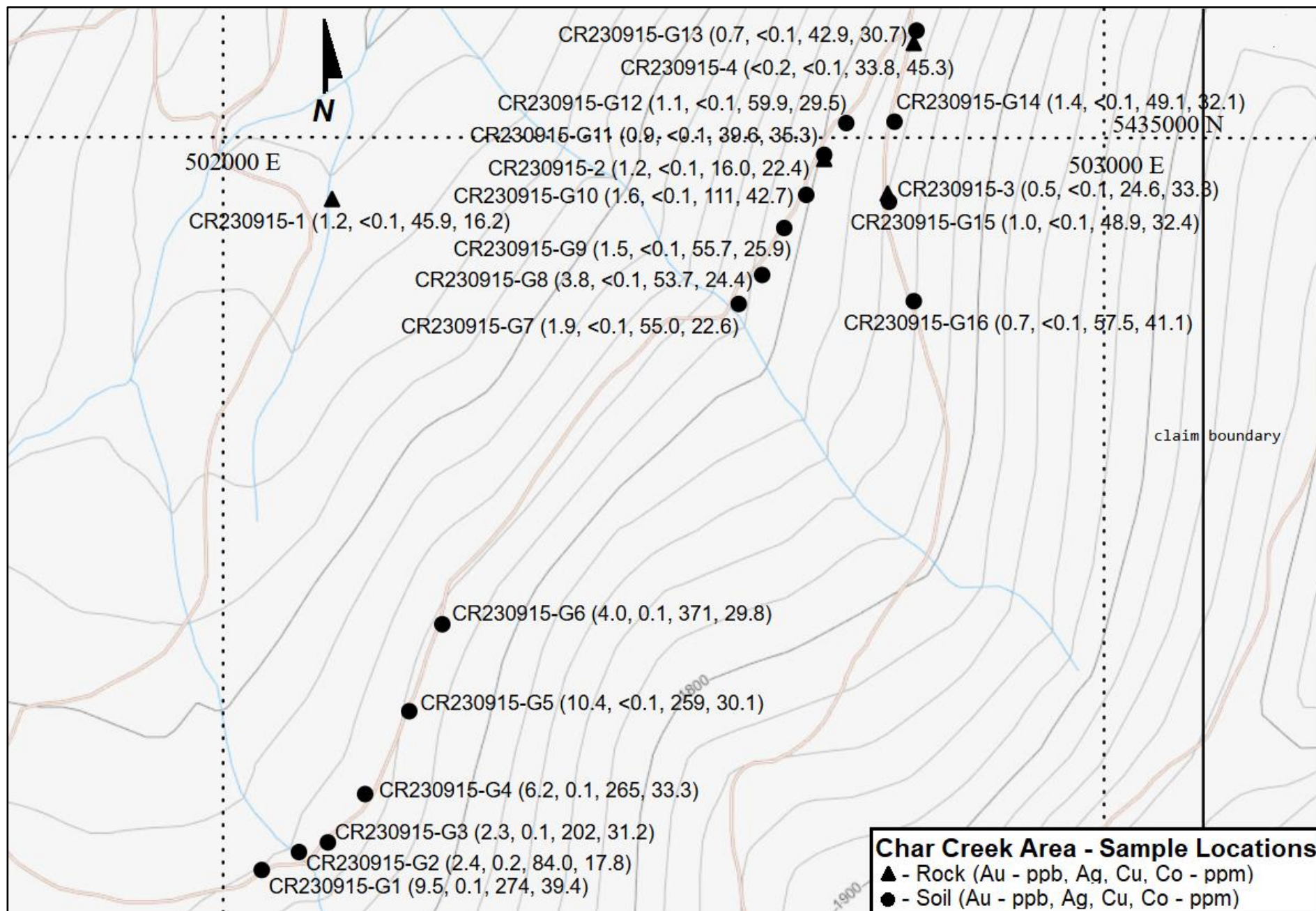
Sample Preparation	(4 samples @ \$22.84/sample)	\$91.36
	(16 samples @ \$12.59/sample)	\$201.36

Sample Assaying	(20 samples @ \$27.86/sample)	\$557.18
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Report Preparation	\$750.00
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Total Cost	\$3,223.57
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Appendix 1 – Sample Location Map



Appendix 2 – Assay Reports



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Bureau Veritas Commodities Canada Ltd.

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PHONE (604) 253-3158

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745 East 30th Ave
Vancouver British Columbia V5V 2V8 Canada

Submitted By: Doug Warkentin
Receiving Lab: Canada-Vancouver
Received: January 23, 2024
Analysis Start: February 05, 2024
Report Date: February 13, 2024
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN24000147.1

CLIENT JOB INFORMATION

Project: Fr-WB-IT-Sh
Shipment ID:
P.O. Number
Number of Samples: 30

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps
PICKUP-RJT Client to Pickup Rejects

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

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Vancouver British Columbia V5V 2V8
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SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	390	Crush, split and pulverize 250 g rock to 200 mesh		Order Canceled	VAN
AQ200	21	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
AQ250_EXT	9	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN

ADDITIONAL COMMENTS


Martin Wong
Data Verification Specialist

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Page: 2 of 2

Part: 1 of 5

CERTIFICATE OF ANALYSIS

VAN24000147.1

	Method	Analyte	Unit	MDL	WGHT	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200			
					Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
					kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
					0.01	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	1	0.01
CR230914-1	Rock																							
CR230914-2	Rock																							
CR230914-3	Rock																							
CR230914-4	Rock																							
CR230914-5	Rock																							
CR230914-6	Rock																							
CR230914-7	Rock																							
CR230915-1	Rock																							
CR230915-2	Rock																							
CR230915-3	Rock																							
CR230915-4	Rock																							
CR230916-1	Rock																							
CR230916-2	Rock																							
CR230916-3	Rock																							
CR230916-4	Rock																							
CR230916-5	Rock																							
CR230916-6	Rock																							
CR230916-7	Rock																							
CR230916-8	Rock																							
CR230916-8A	Rock																							
CR230917-1	Rock																							
CR230917-2	Rock																							
CR230917-3	Rock																							
CR230917-4	Rock																							
CR230917-5	Rock																							
CR231006-1	Rock																							
CR231006-2	Rock																							
CR231006-3	Rock																							
CR231006-4	Rock																							
CR231006-5	Rock																							



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PHONE (604) 253-3158

Page: 2 of 2

Part: 2 of 5

CERTIFICATE OF ANALYSIS

VAN24000147.1

Method	Analyte	Unit	MDL	AQ200 P %	AQ200 La ppm	AQ200 Cr ppm	AQ200 Mg %	AQ200 Ba ppm	AQ200 Ti %	AQ200 B ppm	AQ200 Al %	AQ200 Na %	AQ200 K %	AQ200 W ppm	AQ200 Hg ppm	AQ200 Sc ppm	AQ200 Ti ppm	AQ200 S %	AQ200 Ga ppm	AQ200 Se ppm	AQ200 Te ppm	AQ250 Mo ppm	AQ250 Cu ppm
				0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.01	0.01
CR230914-1	Rock			0.065	4	5	0.86	64	0.001	<20	1.33	0.048	0.22	<0.1	0.01	1.4	<0.1	<0.05	4	<0.5	0.8		
CR230914-2	Rock			0.075	3	6	0.95	120	0.002	<20	1.87	0.077	0.18	0.1	<0.01	2.3	<0.1	<0.05	6	<0.5	<0.2		
CR230914-3	Rock			0.180	33	7	1.13	90	0.003	<20	1.85	0.031	0.33	<0.1	<0.01	2.1	0.1	0.28	6	<0.5	<0.2		
CR230914-4	Rock			0.063	3	4	0.61	93	0.009	<20	1.18	0.050	0.21	0.2	<0.01	1.2	<0.1	<0.05	4	<0.5	<0.2		
CR230914-5	Rock			0.072	4	6	1.03	161	0.002	<20	1.85	0.013	0.39	0.1	<0.01	1.3	0.1	0.09	4	<0.5	<0.2		
CR230914-6	Rock			0.067	4	4	0.64	85	0.055	<20	1.56	0.040	0.22	1.0	<0.01	1.3	<0.1	<0.05	4	<0.5	<0.2		
CR230914-7	Rock			0.074	6	37	1.84	362	0.002	<20	1.77	0.025	0.32	1.2	0.04	2.7	<0.1	0.05	5	<0.5	1.1		
CR230915-1	Rock			0.112	9	13	0.72	47	0.156	<20	1.50	0.074	0.26	0.5	<0.01	3.6	0.1	0.32	4	<0.5	<0.2		
CR230915-2	Rock			0.063	3	10	1.45	96	0.263	<20	2.05	0.009	0.05	0.5	<0.01	4.1	<0.1	<0.05	9	<0.5	<0.2		
CR230915-3	Rock			0.167	17	19	1.96	178	0.113	38	3.30	0.025	0.33	<0.1	<0.01	12.9	<0.1	<0.05	14	<0.5	<0.2		
CR230915-4	Rock			0.225	8	26	2.20	115	0.342	<20	3.38	0.037	0.36	0.2	<0.01	10.2	<0.1	<0.05	18	<0.5	<0.2		
CR230916-1	Rock																					0.81	192.10
CR230916-2	Rock																					1.08	92.53
CR230916-3	Rock																					2.12	18.41
CR230916-4	Rock																					1.34	2320.38
CR230916-5	Rock																					17.30	93.38
CR230916-6	Rock																					0.64	68.13
CR230916-7	Rock																					0.65	83.94
CR230916-8	Rock																					0.84	63.75
CR230916-8A	Rock																					1.37	132.19
CR230917-1	Rock			0.082	6	36	1.06	98	0.152	26	1.82	0.009	0.31	0.9	0.01	5.5	0.2	<0.05	6	<0.5	<0.2		
CR230917-2	Rock			0.068	6	17	1.21	33	0.009	<20	1.60	0.030	0.12	<0.1	0.02	8.1	0.4	0.64	7	<0.5	<0.2		
CR230917-3	Rock			0.058	4	16	0.81	35	0.005	<20	1.25	0.026	0.15	0.1	<0.01	5.9	0.4	1.26	6	1.0	<0.2		
CR230917-4	Rock			0.125	8	9	1.63	133	0.063	<20	2.73	0.028	0.31	0.5	<0.01	5.1	0.2	<0.05	10	<0.5	<0.2		
CR230917-5	Rock			0.062	4	6	1.00	29	0.153	26	1.79	0.040	0.21	0.5	<0.01	8.1	<0.1	<0.05	7	<0.5	0.2		
CR231006-1	Rock			0.005	<1	1199	22.83	3	0.001	82	0.22	0.008	<0.01	0.1	<0.01	6.3	<0.1	<0.05	<1	<0.5	<0.2		
CR231006-2	Rock			0.010	<1	1482	22.01	3	0.002	107	0.48	0.009	<0.01	0.1	0.01	8.4	<0.1	<0.05	<1	<0.5	<0.2		
CR231006-3	Rock			0.006	<1	1270	22.39	7	0.002	94	0.37	0.005	<0.01	0.2	<0.01	7.9	<0.1	<0.05	<1	<0.5	<0.2		
CR231006-4	Rock			0.079	4	34	1.13	23	0.135	41	1.95	0.175	0.07	1.6	<0.01	2.2	<0.1	0.75	8	0.7	<0.2		
CR231006-5	Rock			0.017	6	59	2.65	38	0.002	<20	0.34	0.072	0.12	<0.1	1.02	2.2	<0.1	<0.05	2	<0.5	<0.2		



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745 East 30th Ave
Vancouver British Columbia V5V 2V8 Canada

Submitted By: Doug Warkentin
Receiving Lab: Canada-Vancouver
Received: January 23, 2024
Analysis Start: January 26, 2024
Report Date: January 30, 2024
Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN24000148.1

CLIENT JOB INFORMATION

Project: Fr-WB-IT-Sh
Shipment ID:
P.O. Number
Number of Samples: 19

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SLBHP	247	Sorting, labeling and boxing samples received as pulps		Order Canceled	VAN
AQ200	19	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN

SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps

ADDITIONAL COMMENTS

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Crucible Resources Ltd.
745 East 30th Ave
Vancouver British Columbia V5V 2V8
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CC:



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*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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745 East 30th Ave
Vancouver British Columbia V5V 2V8 Canada

Project: Fr-WB-IT-Sh
Report Date: January 30, 2024

Page: 2 of 2

Part: 1 of 2

CERTIFICATE OF ANALYSIS

VAN24000148.1

	Method	Analyte	Unit	MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
CR230915-G1	Silt Pulp		0.3	274.2	13.9	76	0.1	44.2	39.4	819	5.81	15.0	0.2	9.5	1.1	14	0.2	0.2	0.1	138	0.40	0.131		
CR230915-G2	Silt Pulp		0.7	84.0	11.7	64	0.2	21.0	17.8	626	3.98	5.6	0.6	2.4	1.1	7	0.2	0.2	0.2	85	0.16	0.078		
CR230915-G3	Silt Pulp		0.2	202.3	15.8	88	0.1	37.0	31.2	864	5.19	6.7	0.4	2.3	1.1	16	0.2	0.1	0.2	122	0.43	0.084		
CR230915-G4	Silt Pulp		0.4	264.6	17.8	79	0.1	40.8	33.3	917	5.58	7.0	1.2	6.2	1.3	21	0.3	0.2	0.2	125	0.50	0.073		
CR230915-G5	Silt Pulp		0.5	258.5	11.5	87	<0.1	44.0	30.1	997	5.87	5.6	0.6	10.4	2.5	23	0.2	0.1	0.2	131	0.62	0.113		
CR230915-G6	Silt Pulp		0.4	370.9	10.1	85	0.1	47.2	29.8	897	5.81	6.5	0.6	4.0	2.2	20	0.2	0.1	0.1	132	0.62	0.113		
CR230915-G7	Silt Pulp		0.3	55.0	9.9	85	<0.1	25.8	22.6	1078	5.29	3.8	0.2	1.9	1.5	19	0.2	0.2	0.2	127	0.55	0.098		
CR230915-G8	Silt Pulp		0.4	53.7	8.4	78	<0.1	27.0	24.4	925	5.32	3.5	0.4	3.8	2.3	17	<0.1	0.1	0.2	130	0.44	0.083		
CR230915-G9	Silt Pulp		0.4	55.7	6.9	80	<0.1	26.0	25.9	958	5.80	3.2	0.3	1.5	2.5	16	<0.1	<0.1	0.1	140	0.44	0.119		
CR230915-G10	Silt Pulp		1.1	110.8	11.2	119	<0.1	41.6	42.7	2302	9.38	7.7	0.4	1.6	1.6	21	0.2	<0.1	<0.1	239	0.50	0.164		
CR230915-G11	Silt Pulp		0.4	39.6	9.0	128	<0.1	32.0	35.3	1570	8.12	2.5	0.2	0.9	1.4	17	0.2	<0.1	<0.1	216	0.51	0.146		
CR230915-G12	Silt Pulp		0.3	59.9	10.1	100	<0.1	30.2	29.5	1096	7.01	3.7	0.5	1.1	2.5	15	0.1	0.1	0.1	182	0.39	0.126		
CR230915-G13	Silt Pulp		0.3	42.9	19.3	120	<0.1	28.0	30.7	1723	7.49	3.1	0.4	0.7	1.5	18	0.3	0.2	0.1	219	0.50	0.116		
CR230915-G14	Silt Pulp		0.3	49.1	8.9	103	<0.1	29.2	32.1	1358	7.82	2.6	0.5	1.4	2.0	22	0.1	<0.1	<0.1	219	0.57	0.138		
CR230915-G15	Silt Pulp		0.5	48.9	10.6	109	<0.1	31.3	32.4	1217	7.84	2.7	0.4	1.0	2.5	17	<0.1	0.1	0.1	219	0.44	0.145		
CR230915-G16	Silt Pulp		0.3	57.5	5.5	130	<0.1	32.8	41.1	1469	9.23	3.2	0.2	0.7	0.7	21	0.1	<0.1	<0.1	272	0.79	0.170		
917-7 Flt Conc.	Silt Pulp		10.4	55.0	26.7	30	4.4	10.0	5.3	1864	1.95	4.6	0.4	4142.2	1.6	20	0.4	0.2	0.4	22	0.14	0.033		
917-7 Flt Clnr Tls	Silt Pulp		10.4	39.3	15.6	29	0.4	5.1	3.4	1318	1.55	2.5	0.3	31.8	1.2	6	0.3	0.2	0.3	16	0.11	0.022		
917-7 Flt Fls	Silt Pulp		6.8	24.5	8.8	11	<0.1	3.1	2.3	762	1.14	2.0	0.2	22.6	0.8	4	0.2	<0.1	0.2	11	0.08	0.015		



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Client: **Crucible Resources Ltd.**
745 East 30th Ave
Vancouver British Columbia V5V 2V8 Canada

Project: Fr-WB-IT-Sh
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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

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CERTIFICATE OF ANALYSIS

VAN24000148.1

	Method	Analyte	Unit	MDL	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200			
					La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
					ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
					1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
CR230915-G1	Silt Pulp	5	57	1.53	69	0.259	<20	2.74	0.003	0.17	0.2	0.02	5.6	<0.1	<0.05	8	<0.5	<0.2			
CR230915-G2	Silt Pulp	7	28	0.78	59	0.260	<20	2.95	0.006	0.09	0.2	0.07	3.2	<0.1	<0.05	9	<0.5	<0.2			
CR230915-G3	Silt Pulp	6	42	1.56	111	0.249	<20	2.65	0.004	0.22	<0.1	0.03	5.4	0.1	<0.05	9	<0.5	<0.2			
CR230915-G4	Silt Pulp	9	50	1.52	123	0.207	<20	3.15	0.005	0.25	0.1	0.05	4.9	0.1	<0.05	10	<0.5	<0.2			
CR230915-G5	Silt Pulp	9	60	1.82	168	0.219	<20	3.12	0.007	0.33	0.1	0.01	5.9	0.2	<0.05	10	<0.5	<0.2			
CR230915-G6	Silt Pulp	9	71	1.73	134	0.212	<20	3.10	0.008	0.26	0.1	0.03	5.9	0.1	<0.05	10	<0.5	<0.2			
CR230915-G7	Silt Pulp	6	32	1.25	140	0.244	<20	2.33	0.005	0.23	0.1	0.05	4.8	0.1	<0.05	10	<0.5	<0.2			
CR230915-G8	Silt Pulp	8	30	1.36	130	0.265	<20	2.44	0.004	0.27	<0.1	0.02	5.6	0.1	<0.05	9	<0.5	<0.2			
CR230915-G9	Silt Pulp	8	24	1.50	147	0.233	<20	2.46	0.004	0.33	<0.1	0.02	5.8	0.1	<0.05	10	<0.5	<0.2			
CR230915-G10	Silt Pulp	6	25	2.27	281	0.332	<20	3.87	0.005	0.75	0.2	0.02	8.8	0.2	<0.05	17	<0.5	<0.2			
CR230915-G11	Silt Pulp	5	22	2.18	259	0.305	<20	3.68	0.005	0.69	0.1	0.04	7.0	0.2	<0.05	15	<0.5	<0.2			
CR230915-G12	Silt Pulp	10	25	1.83	148	0.249	<20	3.68	0.005	0.35	<0.1	0.05	8.8	0.2	<0.05	13	<0.5	<0.2			
CR230915-G13	Silt Pulp	6	22	1.89	224	0.301	<20	3.42	0.006	0.46	0.1	0.04	9.6	0.2	<0.05	15	<0.5	<0.2			
CR230915-G14	Silt Pulp	9	23	2.02	211	0.274	<20	3.41	0.006	0.50	<0.1	0.03	10.6	0.2	<0.05	15	<0.5	<0.2			
CR230915-G15	Silt Pulp	9	25	2.01	178	0.328	<20	3.61	0.006	0.49	0.1	0.02	10.7	0.2	<0.05	14	<0.5	<0.2			
CR230915-G16	Silt Pulp	3	22	2.63	239	0.317	<20	3.86	0.005	0.70	0.1	0.02	9.8	0.3	<0.05	17	<0.5	<0.2			
917-7 Flt Conc.	Silt Pulp	5	13	0.16	212	0.661	<20	0.76	0.013	0.27	0.2	0.02	2.7	0.1	<0.05	2	<0.5	<0.2			
917-7 Flt Clnr Tls	Silt Pulp	3	9	0.12	92	<0.001	<20	0.55	0.008	0.20	0.1	0.01	1.9	<0.1	<0.05	2	<0.5	<0.2			
917-7 Flt Tls	Silt Pulp	2	6	0.08	61	<0.001	<20	0.36	0.005	0.15	<0.1	<0.01	1.2	<0.1	<0.05	1	<0.5	<0.2			