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TECHNICAL REPORT

On the

Melchett Lake Property
62 Mining Cells

253429 135281 285129 etc.

Thunder Bay Mining District
Northwestern Ontario, Canada

Prepared for:

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and
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Bedford, NS

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August 1st, 2020
Revised version October 23, 2020

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1.0 SUMMARY

Alex Pleson of Pleson Geoscience (“Pleson”) was retained by Ben Kuzmich (“the Vendor”) and Silver Spruce Resources Inc. (“the Company”) to explore the Melchett Lake project and prepare a Technical Report and review on the Melchett Lake Property (“the Property”). In conjunction with Pleson, Silver Spruce Resources (TSX.V:SSE) and the second author provided technical personnel, program direction and oversight, and onsite expertise in exploration and data verification on the project during the exploration campaign. The report was prepared for filing assessment work performed on the property in 2019 by the aforementioned parties. The total eligible expenditures on the project for the historic drill collar georeferencing, rock and core sampling, prospecting, transportation and logistics, data analysis and interpretation, GIS Leapfrog preparation and report preparation is CAD$44,827.

The Melchett Property consists of 62 single cell mineral claims covering approximately 1,275 hectares located in Thunder Bay Mining District of Northwestern Ontario, Canada. The Melchett Lake property lies 110 km north of Geraldton and 60 km north of Nakina at approximately 50°45' north latitude and between 86°56' and 87°02' west longitude. Silver Spruce has the option to own 100% of the Mineral Claims by making cash payments, issuing shares and carrying out exploration work for a syndicate led by Ben Kuzmich.

The Melchett Lake property lies within the Archean-age English River Sub-province of the Superior Province. The property comprises part of the northern metavolcanic subzone of the Melchett metasedimentary-metavolcanic belt, which is interpreted to be approximately five kilometres (5km) thick and extends for at least fifty kilometres (50km) east-west.

Metamorphism in the Melchett belt ranges from middle to upper amphibolite (almandine amphibolite). The belt consists of schists and gneisses flanked by several phases of acidic to mafic intrusive rocks. The schists and gneisses represent original mafic to acidic pyroclastic tuffs and flows with associated greywackes, siltstones and argillites with local iron formations.

Highlights of the prospective geology, alteration and mineralization include multiple folded or stacked horizons of coincident alteration and metal mineralization, high Zn/Cu, Zn/Pb and Ag/Au ratios, extensive remobilization of major and trace elements with defined enrichment (Fe, Mg, Co, Cr, Cd) and depletion (Na, Sr, Ca) zones, and continuity, increased alteration and anomalous metal values over large intervals (up to 245 metres in DDH SB-07-01 from 345-590 metres) with strong electromagnetic (BHTEM) 20 channel off-hole responses in the 2007-2008 drilling.

Three principal zones of sulphide mineralization have been outlined on the Property to date, the Nakina 1, Nakina 2 and Relf zones.

The historical exploration data available for the Property area includes numerous geophysical surveys, geological mapping, trenching, sampling, and several periods of diamond core drilling. This work was carried out during the period from 1959 to 2018.

The most recent diamond drilling conducted in 2007 and 2008 on the Property included two drill hole SB7-01 and SB08-02 which were drilled to over 600 metres in depth. A strong BHTEM conductor identified in drill hole SB07-01, the latter drilled in 2007. Additional geophysics (BHTEM) was carried out in 2012 by on SB-02 which reported several conductive zones with sphalerite and chalcopyrite in the corresponding core intervals and was interpreted as increasing in intensity downhole and proximal to a VMS source (Webster, 2012).

The recent project work was performed to verify the multi-kilometre strike length of the known areas of mineralization, broad intervals of mineralization, intense alteration profile similar to well-known polymetallic deposits, and presence of high-grade values of both precious metals and base metals reported from the historical exploration. The current exploration program also included data compilation, and acquisition where required for digital information unavailable via public sources, of all historical geophysical, geochemical, and geological information prior to the field program.

A key aspect of the current program was the identification and verification of GPS co-ordinates for the historical drill collars to develop an accurate plan map and 3D Leapfrog model of the target areas for future drilling plans, to confirm the distribution of geochemical anomalies downhole and relative to the surface geological and geochemical mapping, and to confirm the xyz-coordinate location of downhole EM anomalies associated with 2007-2008 drilling. In particular, the GPS survey noted that minor to major differences in the collar positions were evident and ranged to more than 225 metres. There are holes which were apparently changed in drilling order and other holes which were not drilled at all. Plans and section views confirm the importance of the GPS survey for both the Relf and Nakina Zones. It was apparent that current 2D and 3D modelling would inherit significant diversions from the true locations had this survey not been completed prior to our initial re-interpretation of the BHTEM, positioning of the proposed follow-up deep penetrating geophysical surveys, and Leapfrog modelling for drill holes and Maxwell plates prior to proposed follow-up diamond drilling programs.

The sampling approach for this work was to collect select surface grab samples, and select drill core samples from the dominant unmineralized and mineralized rock types for general geochemical comparison with volcanogenic massive sulphide (VMS) patterns. The team examined the principal showings and trenches, and drill core at the Relf and Nakina targets along the principal mineralized trend. Results of all samples are now in receipt and, at the time of assessment reporting, have undergone preliminary geochemical interpretation.

A total of seventy-two (72) rock and core samples were collected, sixty (60) of which were submitted for assay analysis of Cu, Zn, Pb and multi-element geochemical analysis and Au, and indications of mineral alteration and data verification for comparison with previous exploration.

The data presented in this report is based on the current and historical exploration work results, published assessment and literature reports available from the Vendor, Silver Spruce Resources, Ontario MNDMF, Geological Survey of Canada, and Ontario Geological Survey.

Zinc values range up to 14.7%, lead to 0.96%, copper to 0.52%, silver to 301 g/t, and gold to 0.737 g/t and clearly represent the polymetallic nature of the mineralization from both targets, particularly the Relf Zone. The samples exhibit low alkali content, favourable pathfinder ratios, e.g., Zn/Na, and elevated values of heavy metals, including Te, Bi, Se, Sb, Hg, Cd and In. Where associated with visible sphalerite, galena, chalcopyrite and pyrite, these alteration and mineralization patterns were observed in the current and comparable historical rock samples.

The geochemical samples verify and confirm the intense alteration in the principal mineralization with extensive major and minor element mobilization and replacement consistent with hydrothermal and metamorphic effects, the former associated with subsea potassic alteration to a very thick sericite-muscovite-silica dominant package, and accompanied by the expected sodium depletion and correlative high Zn/Na ratios among others.

Primary copper mineralization appears to be associated with both disseminated sulphides and possible later quartz vein hosted structurally controlled by both metamorphic fabric and remnant stockwork style mineralization. Intense alteration at depth associated with higher copper values, and the Maxwell modelled plates identified in the recently acquired BHTEM data, is consistent with vectoring toward a VMS source. There was no clear local evidence observed of the high Mg enrichment associated with a chloritic vent or pipe hosting the core of the mineralization though there are units represented by felsic in mafic (FIM) breccias east of the principal Relf targets observed by the second author which may indicate amphibole-rich matrices after early hydrothermal chlorite. Given the paucity of structural and younging directions in the volcanics, and given the additional in-house interpretation of the 2002 and 2010 magnetic and EM surveys, it is entirely possible that the sequence has been repeated and thickened by folding of an isoclinal nature, and is less likely to be represented as a simple homoclinal section from south to north.

In summary, based on its favourable geological setting indicating surface and subsurface presence of base metal mineralization with gold potential, and the results of current study, it is concluded that the Property is a property of merit and possesses potential for discovery of economic concentration of zinc, copper, silver and gold through further exploration. Good road access, availability of exploration and mining services in the vicinity makes it a worthy mineral exploration target.

As per current exploration data analysis, the Property clearly has significant target potential for precious and base metal mineralization, and advanced future programs in two phases are recommended and currently are in the design stage concurrent with updated 2D and 3D GIS compilation, data acquisition from previous regional and property scale geophysics, and geochemical modelling prior to ground programs and drilling. The program costs are estimated to be $350,000 for Phase 1 and $600,000 for Phase 2 as results warrant. The principal costs are centred on deep penetrating geophysics and diamond drilling with logistical, geological and GIS support.

2.0 INTRODUCTION

2.1 Purpose of Report

Alexander Pleson of Pleson Geoscience was retained by Silver Spruce Resources ("the Company") on behalf of the claim holder Ben Kuzmich for the purposes of exploration, report and data management on the Melchett Lake Property. This report is an accurate reflection of the work done and has been prepared for filing for assessment credit with the MNDM based on 2019 exploration work.

2.2 Sources of Information

The current report is based primarily on findings of the exploration campaign in October 2019 by the author, Vendor and Silver Spruce Resources Inc., published assessment reports available from the Ministry of Northern Development, Mines and Forestry (MNDMF) Ontario, and published reports by the Ontario Geological Survey (OGS), the Geological Survey of Canada ("GSC"), various research documents, websites, corporate press releases and personal observations during the Property visit. All consulted sources are listed in the References section. The sources of the maps are noted either in the References or on the individual figures.

The authors have no reason to doubt the reliability of the information provided by the Vendor. The author reserves the right but will not be obliged to revise the report and conclusions if additional information becomes known subsequent to the date of this report.

3.0 RELIANCE ON OTHER EXPERTS

For the purpose of the report, the authors have reviewed and relied upon ownership information provided by the Vendor, which to the author's knowledge is correct. A limited search of tenure data on the MNDMF Database Online website on conforms to the data supplied by the Vendor. However, the limited research by the author does not express a legal opinion as to the claim ownership status of the Melchett Lake Property. This disclaimer applies to ownership information relating to the Property, and the information is available in Section 1 (Summary) and Section 4 (Property Description and Location) of this report.

The report also includes contributions from the Silver Spruce technical team, G. Davison, PGeo and L. Lepage, PGeo who participated fully in the field program, collected samples, provided oversight on samples sent to the independent commercial laboratory and reviewed the analytical results.

4.0 PROPERTY DESCRIPTION AND LOCATION

The Melchett Lake property is comprised of 62 single cell mining claims covering approximately 1,275 hectares land located in Thunder Bay Mining District, Northwestern Ontario, Canada (Figure 1). The property lies 110 km north of Geraldton and located in Thunder Bay Mining District 60 km north of Nakina at approximately 50°45' north latitude and between 86°56' and 87°02' west longitude. Locally the Property claims are situated north and east of Melchett Lake extending from Kapikotongwa Lake in the west to Relf Lake in the east.

The property claims were staked on ground by erecting physical posts as required by claim staking regulations in Ontario. In Ontario, all mineral claims staked are subject to $400 per unit worth of eligible assessment work to be undertaken before the year 2 anniversary, followed by $400 per unit per year thereafter. Claim data is summarized in the Table 1, while a pair of maps showing the claims package at two scales are presented in Figures 2 and 3.

There is no past-producing mine on the Property and there were no historical mineral resources or mineral reserve estimates documented.

There are remnants of an abandoned historical exploration camp at Relf Lake and drill core at Relf and Kapikotongwa Lakes which may require cleanup and may or may not be considered an environmental liability for the Property.

An exploration work permit (PR15-412660) was issued for the Property. The permit was issued to carry out trenching, stripping, line cutting, and drilling.

Aboriginal communities potentially affected by the exploration permit activities were consulted by the Company during the exploration permit application process and at the beginning of the work program.

Table 1. Melchett Lake Property Claim List, Ogoki Lake Area

Township / Area	Tenure ID	Tenure Type	Anniversary Date	Tenure Status	Tenure Percentage	Work Required
SPECKLED TROUT RAPI	103699	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	107568	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	107569	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA	107585	Single Cell Mining Claim	2020-03-03	Active	100	400
OGOKI LAKE AREA	110655	Single Cell Mining Claim	2020-03-03	Active	100	400
OGOKI LAKE AREA	110656	Single Cell Mining Claim	2020-03-03	Active	100	400
TENNANT LAKE AREA	110657	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	123264	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA	123294	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA,SPE	123501	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	135281	Single Cell Mining Claim	2020-03-03	Active	100	400
OGOKI LAKE AREA	136958	Single Cell Mining Claim	2020-03-03	Active	100	400
OGOKI LAKE AREA	136959	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	141814	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	141815	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA,SPE	141816	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA	161753	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA	161754	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	167770	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA,SPE	180706	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	180922	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	181230	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA	181231	Single Cell Mining Claim	2020-03-03	Active	100	400
OGOKI LAKE AREA,TEN	181626	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA,TEN	181627	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA,SPE	187470	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	188383	Single Cell Mining Claim	2020-03-03	Active	100	400
OGOKI LAKE AREA,TEN	189071	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	199667	Single Cell Mining Claim	2020-03-03	Active	100	400
OGOKI LAKE AREA,SPE	201756	Single Cell Mining Claim	2020-03-03	Active	100	400
OGOKI LAKE AREA	201757	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA,SPE	207885	Single Cell Mining Claim	2020-03-03	Active	100	400
OGOKI LAKE AREA,SPE	209081	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA,OGC	209082	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	235122	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA,SPE	235123	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	235276	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	235277	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	236632	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	253429	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA	254267	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	255687	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA,SPE	282566	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	291143	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA,SPE	291144	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	291324	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	291325	Single Cell Mining Claim	2020-03-03	Active	100	400
TENNANT LAKE AREA	291566	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA,SPE	292885	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA,SPE	303478	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA	304269	Single Cell Mining Claim	2020-03-03	Active	100	400
TENNANT LAKE AREA	304978	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	311091	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA	311092	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA	311093	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA	320169	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	330341	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA,SPE	342214	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA,SPE	342215	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA	342216	Single Cell Mining Claim	2020-03-03	Active	100	400
SPECKLED TROUT RAPI	342221	Single Cell Mining Claim	2020-03-03	Active	100	400
DURER LAKE AREA	342239	Single Cell Mining Claim	2020-03-03	Active	100	400
					Total Work Required	24800

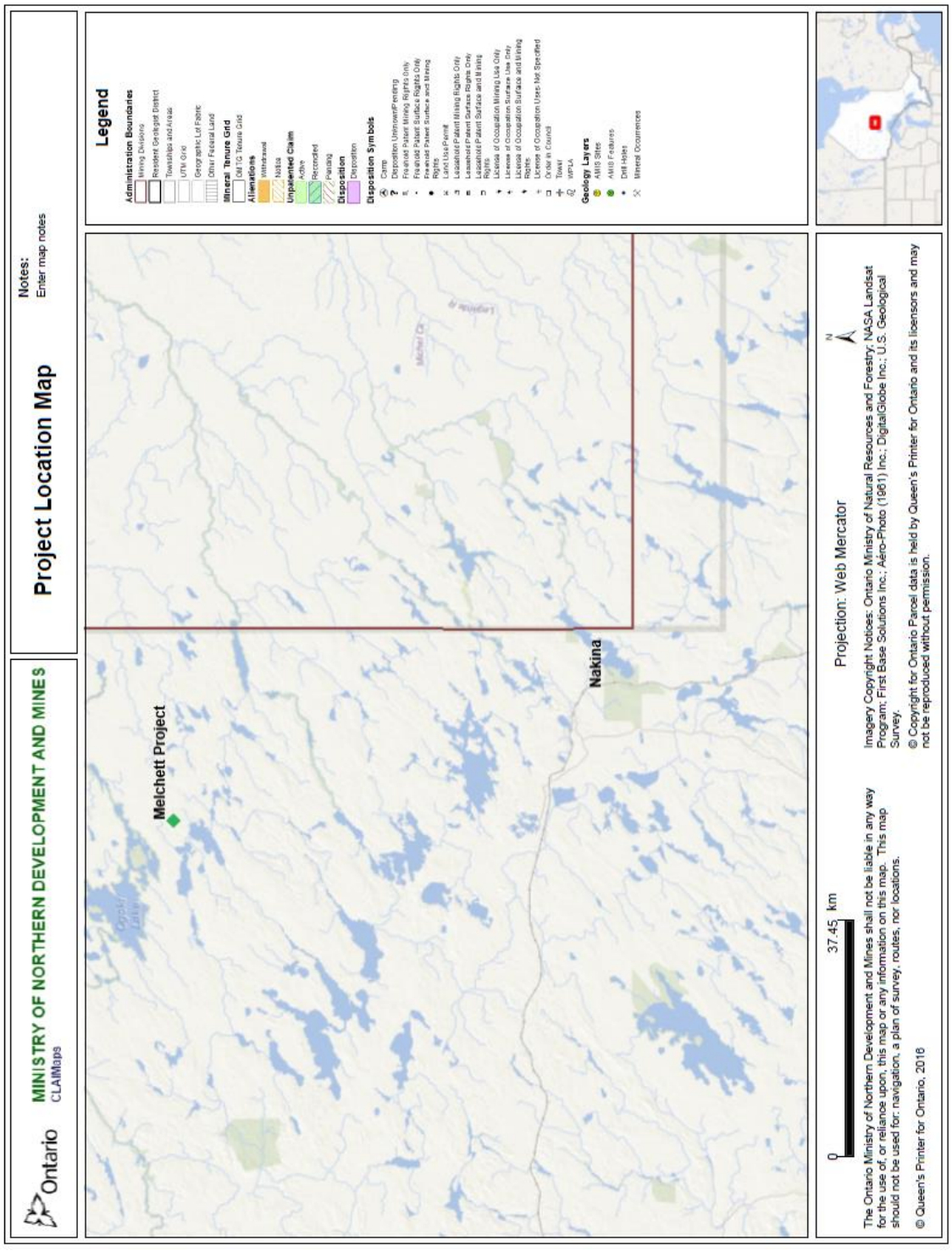

Figure 1. Property Location Map

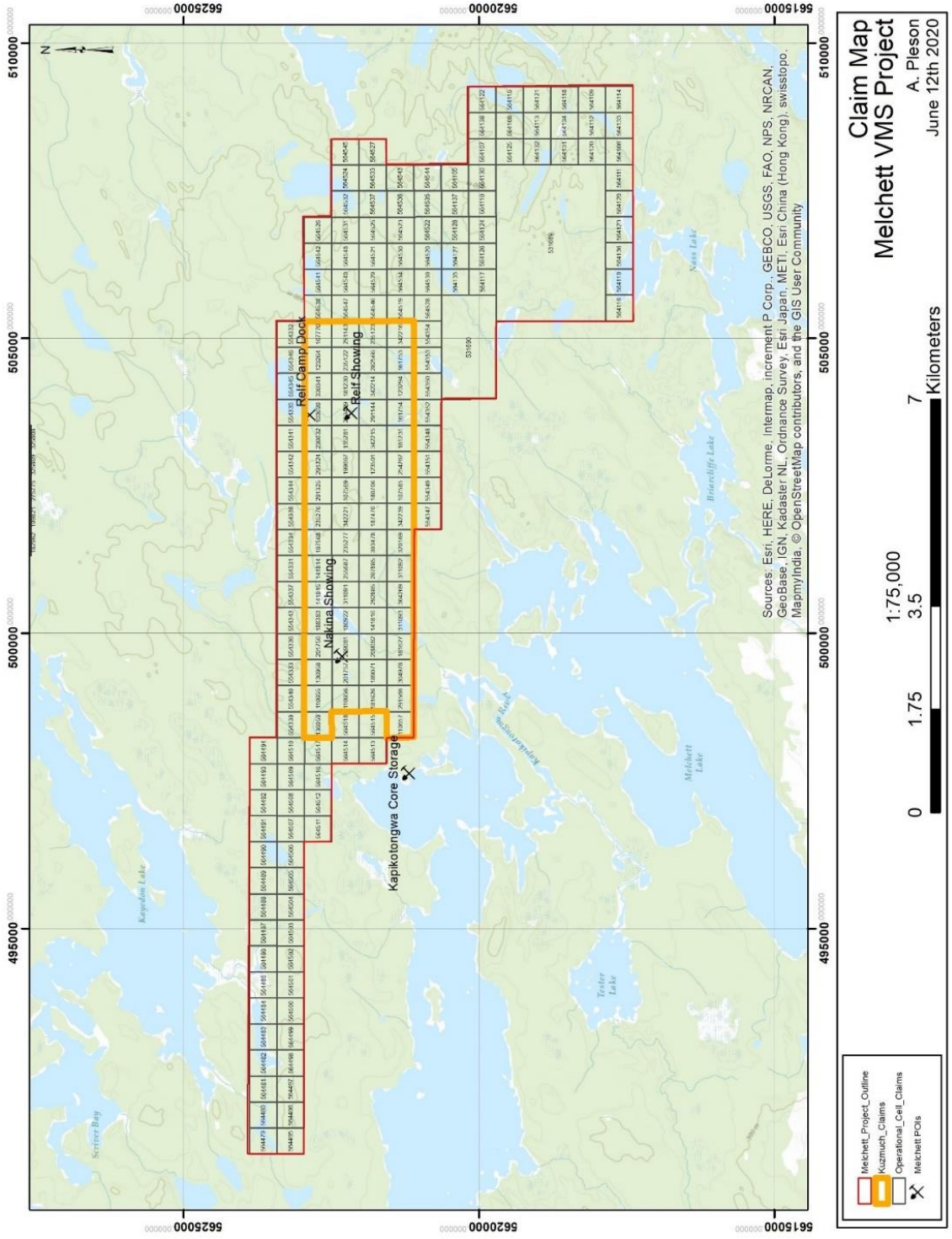

Figure 2. Mineral Claim Map

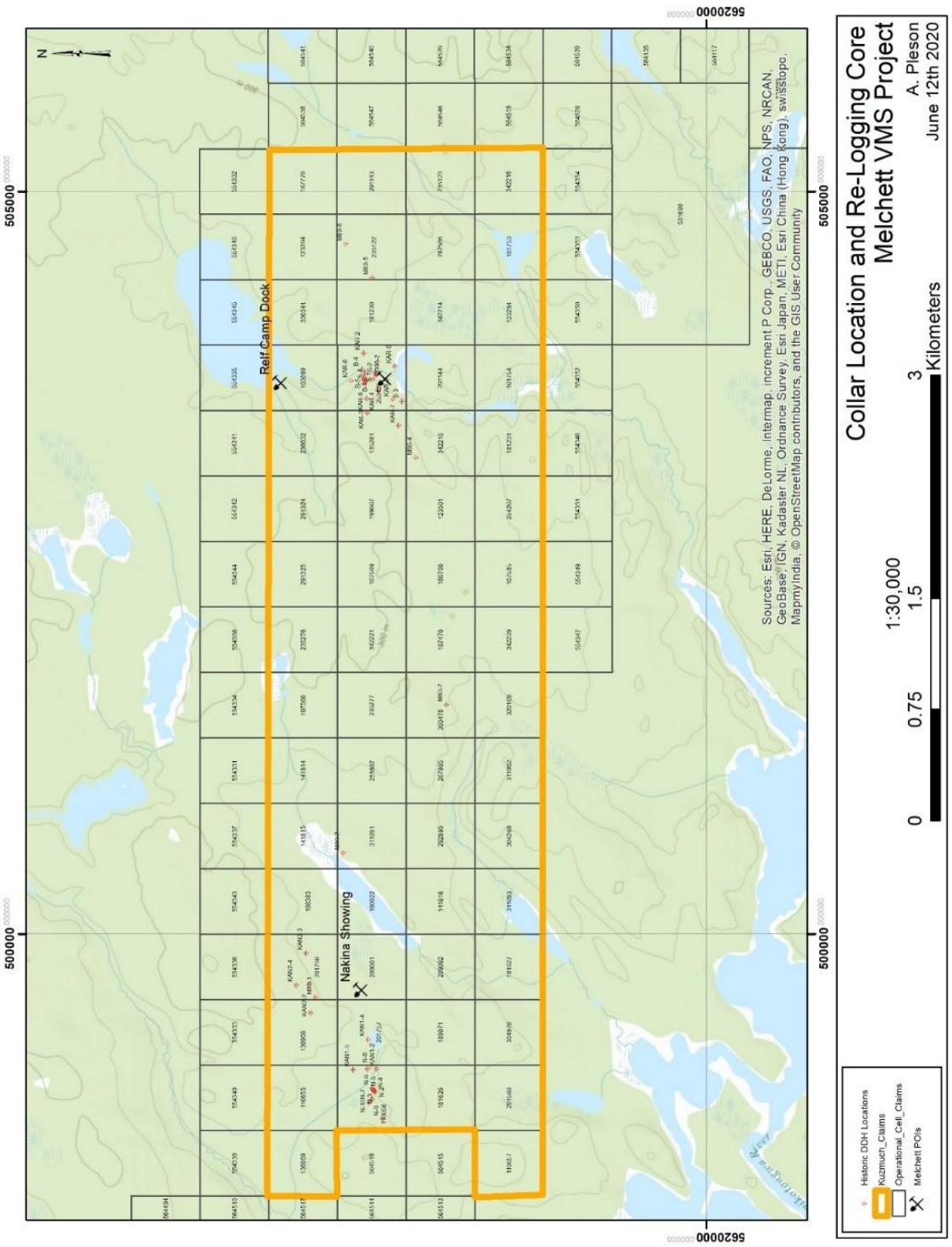

Figure 3. Mineral Claim Map

5.0 ACCESS, CLIMATE, PHYSIOGRAPHY, LOCAL RESOURCES, AND INFRASTRUCTURE

5.1 Access

The Melchett Lake property is accessible via ski or float equipped aircraft from Nakina or Jellicoe to Kapikotongwa Lake, Melchett Lake or Relf Lake. At present, an all-weather road owned by Dofasco exists between Nakina and that company's inactive iron ore mine site at Melchett Lake. The distance by road from the abandoned mine site to Nakina is approximately 90 kilometres. The road currently is being extended from the old airport site to Marten Falls to the north and passes within 4-5 kilometres from the southeast corner of the Melchett Lake property, and approximately 8 kilometres northwest to the Relf Zone.

Photo 1. Float plane landing at dock at Relf Lake

5.2 Climate

The Property area is part of Greenstone community which experiences a humid continental climate, with long, brutally cold winters and warm summers (Figure 4). The highest temperature ever recorded was 40.0 C (104 °F) on July 11 & 12, 1936 (at Longlac). The coldest temperature ever recorded was −50.2 C (−58.4 F) on 31 January 1996 (at Geraldton Airport). December 2017 brought bitterly cold weather to the region, with nearly a week of temperatures near -50°C. The

summer period is approximately 97 days in length extending from the beginning of June to the beginning of September; autumn lasts about 60 days and commonly extends into November.

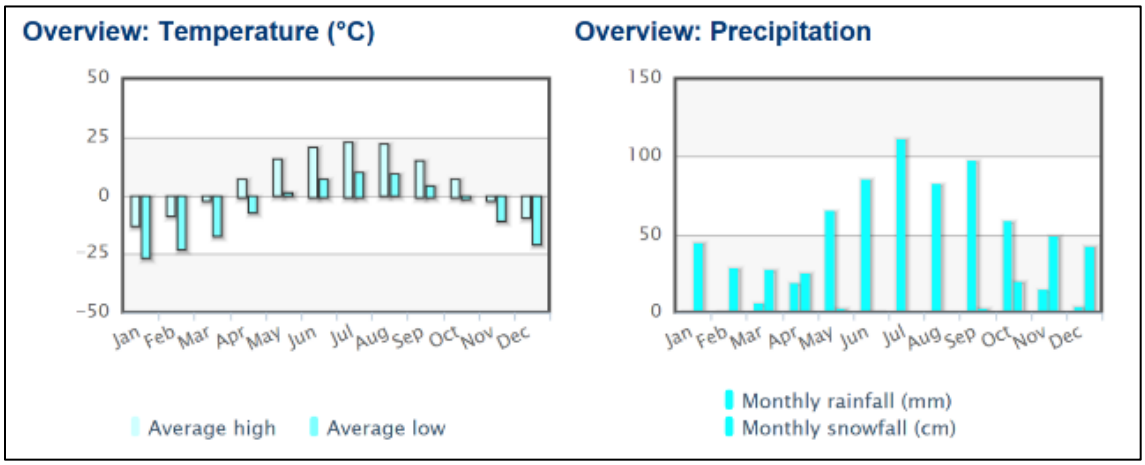

Figure 4. Climate Data

The winter season lasts approximately 6 months extending from November through to May. Although the area normally has about six months of snow-free conditions, exploration and mining work typically can be carried out throughout the year.

5.3 Physiography

The relief on the property is generally subdued, with areas of moderate relief. These areas are represented by outcrops which may range between 5 metres and 35 metres in relief with commonly steeply-sloping faces on the north, and ridges of glacial deposits. Subvertical to sloping cliffs up to 15 metres high often are found on the north and northeast facing margins of bedrock highs. Location of bedrock highs is apparently controlled by proximity to structural lineaments, metamorphic fabric, glacial drift orientation and lithological contrasts. The latter is evidenced particularly by distinct northwest and north-trending patchy ridges dominated by Late Precambrian diabase dykes. A number of elongated, discontinuous sinuous north to northeast-trending ridges across the Melchett property consist solely of glacial outwash with well-defined esker deposits.

The drainage pattern trends south and southwest, which is parallel to the direction of the last glaciation to affect the area. Although elongate finger lakes are common, many of the streams and lakes simply wrap around bedrock and glacial ridges. Many lakes and streams are modified by an abundance of beaver dams. Recent sedimentation in the lakes, especially the predominance of sandy spits on the northeast shoreline of Kapikotongwa and the corresponding bedrock cliffs surrounding the northern shores of Melchett Lake, shows a distinct relationship to the local availability of glacially derived detritus.

The vegetation on the property (Photo 2) is controlled by both lithological and glaciological parameters. The glacial ridges support mixed forests of fir, poplar, birch, black spruce and jack

pine, whereas the lowlands are covered by sparse black spruce and sphagnum mosses. The bogs and wetlands support alder and cedar. The outcrops are commonly covered by deadfall from the vegetation in the surrounding area. Vegetation and surficial geology maps were documented in Wahl and Davison (1984) and validated using the current aerial imagery.

Photo 2. Aerial view of the Melchett Lake Property area physiography

5.4 Local Resources and Infrastructure

The property is part of Greenstone area which is an amalgamated town in the Province of Ontario with a population of 4,636 according to the 2016 Canadian census. Greenstone Town stretches along Highway 11 from Lake Nipigon to Longlac and covers 2,767.19 square kilometres (1,068.42 sq mi). The town was formed in 2001, by combining the former Townships of Beardmore and Nakina, the Towns of Geraldton and Longlac with large unincorporated portions of Unorganized Thunder Bay District.

The Town of Geraldton has a population of 1,893 (2011). Geraldton is situated in northwestern Ontario on the Canadian National Railway, 282 km northeast of Thunder Bay was established in the early 1930s as a consequence of the Little Long Lac gold rush. At the height of the boom in the later 1930s, Geraldton acted as a service center to a dozen gold mining camps as well as to the developing pulpwood industry in the area. The area has seen exploration booms in the 1980's and more recently with the advance of gold exploration and development projects near Geraldton (e.g., Hard Rock) and several gold and base metal projects (e.g., Marshall Lake) in the region.

Limited services are available in Nakina (Photo3) but include the principal base for transportation by float plane and an airport capable of handling private airplanes and charter helicopter operations.

Photo 3. Director of Silver Spruce at Nakina air base

The city of Thunder Bay, located via a major highway about 300 kilometres to the southwest of the Property, has most of the required supplies for exploration work including drilling and geophysical survey companies, grocery stores, hardware stores, exploration equipment supply stores, restaurants, hotels and a hospital. Many junior exploration and mining companies are based in Thunder Bay, and thus the city is a source of skilled mining labour.

There are several lakes, rivers and creeks in and around the Melchett Lake Property area which can be used for access and as a source of potable water. There is no electrical power in the vicinity of the Property. An onsite temporary camp will be required for longer term exploration work such as drilling, geophysical surveys and geochemical sampling. Float plane or winter trail access to potential camp locations has been used for past exploration though boat or Skidoo access via Melchett Lake to the adjoining lakes may be utilized with the improved road conditions.

6.0 HISTORY

6.1 Exploration Work From 1959-2018

Data on file with the Ontario Geological Survey (OGS) assessment library indicates that the first reported work in the Melchett Lake area was carried out in 1959. Subsequent to this time work has been ongoing albeit sporadically. Listed below in Table 2 is a summary of work on file with the OGS as it applies to the Melchett Lake property.

Table 2. Summary of Exploration History

Year	Operator	Work
1959-63	Kerr-Lund and Little Long Lac Mines Option	• discovery of zinc mineralization • trenching, geophysics (S.P.) and geochemistry • drilling 6 holes at Relf Lake
1964	Shawmin Exploration	focused on Relf Lake area (Kerr-Lund showing) • trenching main zone 45 feet wide • average results: 9.43 oz/t Ag, 13% Zn, 1.2% Pb, 0.26% Cu • best results: 16.4 oz/t Ag, 19.1% Zn, 2.2% Pb, 0.40% Cu • drilling of four holes
1967-1968	Nakina Mines Ltd.	• magnetics and EM, geochemistry • best results: 0.84 oz/t Au, 14.85% Zn
1968-1970	Chimo Gold Mines	• magnetics and EM at Relf Zone • no conductors, magnetically flat • were unable to join Nakina Mines zones and Relf Zone
1975	Falconbridge	• airborne magnetics and EM survey • numerous (40) conductors but none related to known mineralization
1978-1981	Cominco	• magnetics, I.P. and geologic mapping • drilled 10 holes on I.P. anomalies

		• intersected disseminated pyrite • did not drill known sulphide zones
1983-1987	Kerr Addison Mines Ltd.	• magnetics, VLF, geologic mapping, whole rock geochemistry, soil geochemistry • diamond drilling, down hole EM
1997-1998	Redbird Gold Corporation	• magnetics and HLEM (horizontal loop electromagnetics) • results indicate low mag and no conductors on the eastern part; and high mag plus multiple conductors on the west side
2000-2002	Tribute Minerals Corp.	• airborne HeliTEM (DighemV); significant number of conductors and magnetic lineaments •
2002-2006	Melchett Syndicate	• limited reporting on geophysics, Max-Min, magnetics •
2007-2010	Stratabound Minerals	• drilling 2 DDH, BHTEM on 1 hole •
2011-2013	Anconia Resources	• BHTEM on 1 hole, core geochemistry, no records filed •
2017-2019	Kuzmich Syndicate	• Recent and current work •
2019-2020	Silver Spruce Resources	• Current work

Significant results from the early historical work provide the impetus for continued exploration on the Melchett Lake property.

Selected grab samples taken from the Relf Zone by Shawmin averaged 13.0% zinc (Zn), 1.2% lead (Pb), 0.26% copper (Cu) and 325g/t silver (Ag); best results received were 19.1% Zn, 2.2% Pb, 0.40% Cu, 565g/t Ag and 1.72g/t gold (Au) (Table 3).

At the Nakina 1 Zone, Nakina Mines reported (Table 3), in separate samples, 14.85% Zn and 28.8g/t Au from a pyritized felsic volcanic unit. Rock sampling of a pyritized felsic volcanic unit in the Nakina 2 Zone by Kerr Addison returned a value of 15.08 g/t Au.

Zone	Length (m)	Au (g/t)	Ag (g/t)	Zn (%)	Cu (%)	Pb (%)
Nakina	1.67 *	--	12	2.37	--	--
Nakina	0.61*	0.6	24	**8.25**	--	1.08
Nakina	Grab	**9.3**	29	**14.85**	0.23	--
Nakina	Grab	**26.1**	**123**	0.15	**1.65**	--
Nakina	Grab	0.9	60	2.97	0.05	**5.5**
Nakina	Grab	0.3	12	**7.65**	0.10	--
Relf	6.65*	--	**--**	**0.84**	**--**	**--**
Relf	13.71**	--	**293**	**13.0**	0.26	1.2
Relf	Grab **	--	**510**	**19.1**	0.40	**2.2**
Relf	Grab	1.7	**160**	**6.19**	0.70	1.02
Relf	Grab	0.1	58	**10.3**	0.20	0.19

Table 3. Historical Assays (* values from diamond drilling, ** values from trenching)

A selection of Relf and Nakina Zone samples collected in 1983 and 1984 by Kerr Addison geologist and current Silver Spruce director G. Davison is shown below in Table 4.

Sample No. Relf	Zinc ppm	Lead ppm	Copper ppm	Silver ppm	Gold ppb	Zinc %	Silver g/t
A-244	>10000	5400	1900	>100	78	**7.03**	**120.7**
A-245	>10000	5600	3500	>100	**900**	**8.65**	**133.7**
A-246	>10000	>10000	2600	>100	110	**7.97**	**181**
A-247	>10000	5500	7000	>100	**1700**	**6.19**	**160.2**
A-248	>10000	3700	3200	>100	250	**8.65**	**133.7**
A-249	>10000	1900	2100	64	97	**10.3**	
A-250	>10000	1500	620	11	34	4.23	
A-253	>10000	300	610	7	84	**5.13**	
A-923	>10000	2480	1420	62	70	NR	
A-925	>10000	645	2120	29	57	NR	

Table 4. Historical Assays – Kerr Addison

Sample No. Relf	Zinc ppm	Lead ppm	Copper ppm	Silver ppm	Gold ppb	Zinc %	Silver g/t
A-926	>10000	420	2500	23.2	15	NR	

Sample No. Nakina	Zinc ppm	Lead ppm	Copper ppm	Silver ppm	Gold ppb	Zinc %	Silver g/t
A-215	>10000	300	46	NR	**720**	2.89	
A-437	>10000	2500	420	14.2	270	NR	
A-439	>10000	2600	89	17.4	**560**	NR	
A-441	>10000	210	1950	10.6	**1000**	NR	
A-505	>10000	>10000	660	6.8	230	NR	
A-512	>10000	1900	39	3.8	42	NR	

Table 4 continued. Historical Assays – Kerr Addison

A selection of Relf Zone samples collected in 1996 and 1997 by Redbird Gold is shown in Table 5.

Sample No. Relf	Zinc %	Lead %	Copper %	Silver g/t Relf
1061	12.90	1.920	0.288	552
1064	11.60	0.866	0.507	278
1065	16.80	2.400	0.075	655
1066	8.26	0.330	0.972	170
1067	11.10	1.300	0.142	394
1068	9.88	0.558	0.154	179

Table 5. Historical Assays – Redbird Gold

Gold mineralization in the Iron Lake area, which was not examined during the current due diligence program, is traced for at least 600 metres within a sheared, sericite-silica altered felsic metavolcanic and contains 3-8% pyrite, with lesser chalcopyrite and sphalerite. Grab samples reported 7.7g/t Au, 13.05g/t Au and 13.48g/t Au.

All of the above metal values were reported by past operators in the Melchett Lake area, from grab samples which may not be representative of the metal grades, and are historical in nature.

6.2 2007 Drill Program

In 2007, a single deep, 619-metre BQ drill hole (KAR-09, later SB07-01) tested the downward extension of mineralization associated with the Relf zone. The hole was begun at -75° dip, completed at -56.2° dip on a collar azimuth of 180°.Diamond drilling was performed by Boart-

Longyear of Haileybury, Ontario, between October 22 and November 10, 2007. Drilling indicated that mineralization to be continuous and open at depth. The downhole EM survey carried out by Quantec (Coulson, 2002) outlined a 'strong conductive anomaly' past the current extent of drilling. This drill hole ended in a 7metre interval of a highly silicified lithology which was interpreted as associated with the untested anomaly.

6.3 2008 Drill Program

In 2008, another BQ drill hole was drilled on the Property by Layne Christensen of Sudbury, Ontario. Hole SB08-02 (Photo 4) was terminated at 688 metres in depth and its purpose was to test the down-dip extension of an intense geochemical anomaly present in the Relf Zone and to attempt to determine the causative source of a strong BHTEM conductor identified in drill hole SB07-01. The hole was begun at -80° dip, completed at -56.1° dip on a collar azimuth of 180°.

Photo 4. Stratabound Drill Core stacked on Relf Zone taken in 2018

6.4 Geophysical and Geochemical Interpretation

The whole rock geochemistry of the felsic volcanics indicated that alteration within the was more intense than that reported in the near-surface drill hole KAR-03. Geochemically anomalous Cu mineralization was reported within the immediate footwall to the "mineralized sequence". A down the hole BHTEM survey was completed on hole SB-07-01. Reports by the geophysical contractor (Quantec, 2002) identified three in-hole and off-hole conductors in SB-07-011 though Webster (2012) indicated that there were no in-hole conductors, either related to the Zn horizons within the "mineralized sequence" nor the Cu mineralization in the immediate footwall felsic volcanics though one significant moderate intensity anomaly was detected off the bottom of hole SB-07-01 and was interpreted to be located 100m to the east.

The whole rock geochemistry of the felsic volcanics in SB-08-02 were found to be more intense indicating an increasing proximity to a source vent. The richest Zn mineralization intersected to date was reported in drill hole SB-08-02 and copper mineralization was characterized by fine interconnected veinlets of chalcopyrite, which is consistent with a stockwork zone found to underlie VMS deposits. In 2012, Anconia (Webster, 2012) completed a down the hole BHTEM survey of drill hole SB-08-02 and identified numerous conductive zones with an incidence of increased conductivity related to the Zn stratiform mineralization. Within the footwall felsic volcanics, five conductive zones were identified with four zones directly related to increased Cu mineralization (veinlets of chalcopyrite). As per SB-07-01, another off-hole conductor was identified at depth and potentially to the east. The interpretation is consistent with a plunging zone with increasing zinc and copper values and may vector to a vent stockwork zone.

Photo 5. Disseminated sulphides in historical drill core

6.5. 2018-2019 Work by Kuzmich Syndicate (Vendor)

Work on the project was carried out from March 10th, 2018 to January 14th, 2019. The completed work included prospecting, trail cutting, data compilation, core storage inventory, and infrastructure analysis. The areas of work completed is outlined in Figure 5. The prospecting completed confirmed the presence of zinc mineralization at the Relf showing. The data compilation has provided an invaluable insight into the structural and style of zinc mineralization on the Property. Table 6 lists the samples taken from both the Relf and Nakina Zones with the work area and samples shown on the map in Figure 5.

The sampling project was completed in two phases. Phase 1 focused on the Nakina Trend from August 5th to 9th 2018, while Phase 2 focused on the Relf Showing on September 25th 2018. This campaign was successful in determining the nature of mineralization and location of the Relf

Showing as indicated in the UTM coordinates in the table below. The sampling program defined a mineralized trend associated to the MDI location of the Nakina Zone. However, no historic work was discovered where the MDI coordinate is located or within a 100m radius.

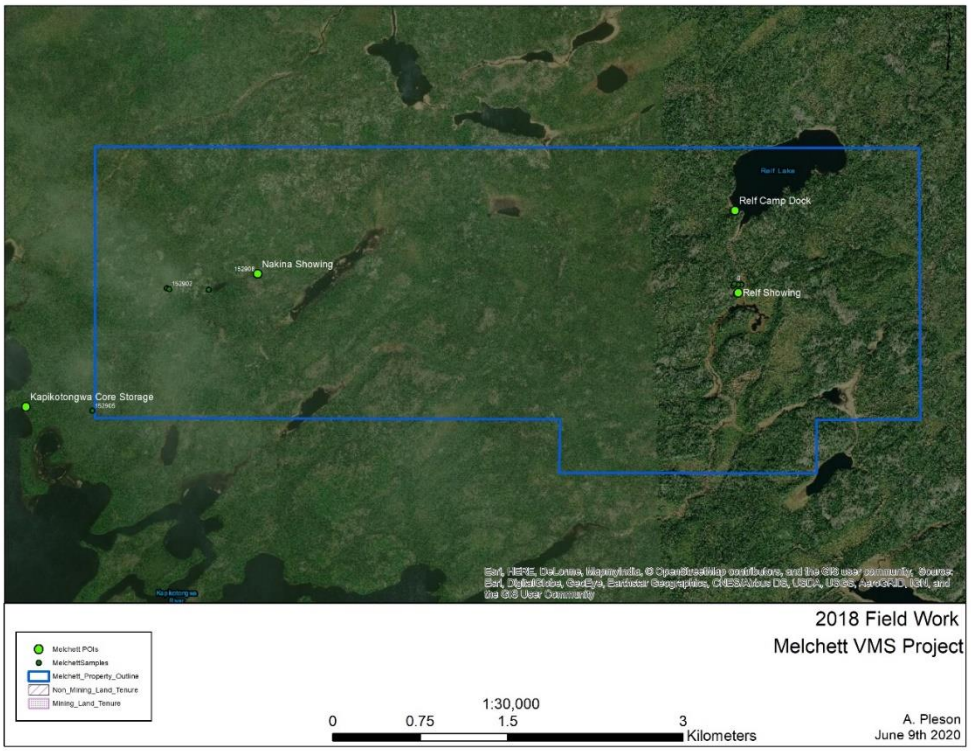

Figure 5. Location map of 2018-2019 Geological Program

Sample ID	Sampler	Location ID	Easting	Northing	Type	Description
152901	A. Pleson	West Nakina Trend	498854	5622211	Grab	4% blebby po, minor diss py, very rusty, silceous felsic volcanic, wk magnetic
152902	A. Pleson	Nakina Trend	498875	5622202	Grab	50-60% quartz. Quartz flooded felsic volanic, 2% disseminated po, weakly magnetic
152903	A. Pleson	Nakina Trend	499212	5622197	Grab	Sercite schist, quartz flooded, mod foliation, trace biotite, 1% diss pyrite, tr po,
152904	A. Pleson	Nakina Trend	499212	5622197	Grab	Strong ankerite orange alteration on weather surface, with patches of pure black oxidation, felsic vol, 2% diss f.g. py.
152905	A. Pleson	Nakina South	498216	5621163	Grab	gossaned outcrop, highly siliceous biotite-serecite schist, 3% po diss, trace diss py, minor blebs of coarse grained py throughout, mod folition
152906	A. Pleson	Nakina Trend	499629	5622335	Grab	rusty felsic volcanic, similar to the rest of the trend, disseminated po and py (~2% combined) fine grained, weak foliation E-W trend, 10% of sample is white quartz vein, not mineralized
152907	A. Pleson	Nakina Trend	499629	5622335	Grab	same as previous but ~ 0.5% more po, weakly magnetic
152908	A. Pleson	Nakina Trend	499615	5622326	Grab	gossaned outcrop, highly siliceous biotite-serecite schist, 3% po diss, trace diss py, minor blebs of coarse grained py throughout, mod folition
294251	Afzaal Pirzada	Relf Trench	503703	5622234	Grab	Tr sulphides
294252	Afzaal Pirzada	Relf Trench	503744	5622241	Grab	serecite schist
294253	Afzaal Pirzada	Relf	503774	5622241	Grab	Zn, argillite
294254	Afzaal Pirzada	Relf	503744	5622241	Grab	Massive sulphide zone
294415	Afzaal Pirzada/Alex Pleson	Relf Core	503715	5622249	Drill Core	Serecite schist, silceous, tr cpy blebs, ~2% diss py, bands or stringers of sphalerite cross-cut foliation (5-8%)
294416	Afzaal Pirzada/Alex Pleson	Relf Core	503715	5622249	Drill Core	Serecite schist, siliceous, massive blebs of cpy + py associated to very silica flooded layer, spacradic crystals of sphalerite

Sample ID	Sampler	Location ID	Easting	Northing	Type	Description
152901	A. Pleson	West Nakina Trend	498854	5622211	Grab	4% blebby po, minor diss py, very rusty, silceous felsic volcanic, wk magnetic
152902	A. Pleson	Nakina Trend	498875	5622202	Grab	50-60% quartz. Quartz flooded felsic volanic, 2% disseminated po, weakly magnetic
152903	A. Pleson	Nakina Trend	499212	5622197	Grab	Sercite schist, quartz flooded, mod foliation, trace biotite, 1% diss pyrite, tr po,
152904	A. Pleson	Nakina Trend	499212	5622197	Grab	Strong ankerite orange alteration on weather surface, with patches of pure black oxidation, felsic vol, 2% diss f.g. py.
152905	A. Pleson	Nakina South	498216	5621163	Grab	gossaned outcrop, highly siliceous biotite-serecite schist, 3% po diss, trace diss py, minor blebs of coarse grained py throughout, mod folition
152906	A. Pleson	Nakina Trend	499629	5622335	Grab	rusty felsic volcanic, similar to the rest of the trend, disseminated po and py (~2% combined) fine grained, weak foliation E-W trend, 10% of sample is white quartz vein, not mineralized
152907	A. Pleson	Nakina Trend	499629	5622335	Grab	same as previous but ~ 0.5% more po, weakly magnetic
152908	A. Pleson	Nakina Trend	499615	5622326	Grab	felsic volcanic, wk foliation E-W, minor rusty along fractures, tr diss py assciated to fractures, v.wk silica alteration, disseminated py, with odd random blebs of slightly coarser py, tr po;

Table 6. 2018-2019 Geological Program Grab and Drill Core Sampling

7.0 GEOLOGICAL SETTING AND MINERALIZATION

7.1 Regional Geology

The Melchett Lake property (Figure 6) lies within the English River Sub province of the Superior Province, which is of Achaean age. The property comprises part of the northern metavolcanic subzone of the Melchett metasedimentary-metavolcanic belt, which is some 5 kilometres thick and extends for at least 50 kilometres in an east-west direction. The belt consists of amphibolite grade schists and gneisses flanked by several phases of acidic to mafic intrusives. The schists and gneisses represent original mafic to acidic pyroclastic tuffs and flows with associated greywackes, siltstones and argillites with local iron formations.

The Melchett Lake metavolcanic assemblage has been estimated to contain approximately 10% mafic rocks, 80% intermediate rocks and 10% acidic rocks, and was interpreted to form a northwards-younging sequence with a 500 metre thickness of massive and pillowed mafic volcanic flows grading upwards into a 1500 metre thickness of a well layered, thickly bedded sequence of intermediate tuffs and pyroclastics. Above these lies a unit of felsic tuff-breccias and flows, this is extensively mineralized with pyrite and some sphalerite. This unit is estimated to reach a thickness of 700 metres in the centre of the property but thins markedly both to the east and west to a few metres in thickness over a distance of some l5 km in each direction. A thickness of between 750 and 900 metres of intermediate tuffs, breccias and flows overlies this sequence, and marks the onset of a new volcanic cycle.

The supracrustal succession exhibits easterly trending schistosity with steeply to moderately dipping linear structures and has clearly been strongly folded. Several lineaments can be interpreted from aerial photographs, but the consistent outcrop pattern of the late diabase dykes suggest a minimum of late faulting. Many of the observed lineaments may reflect only erosion resulting from the latest glaciation.

Metamorphism in the Melchett belt ranges from middle to upper amphibolite (almandine amphibolite). Local areas of partial anatexis are developed proximal to granitoids. The supracrustals are characterized by porphyroblasts of garnet, hornblende, and biotite. Schistosity surfaces with well-developed micaceous mineralogy often contain lineated to grabenschiefer hornblende prisms. Crenulation cleavages with fine micaceous layers were developed in the pelitic horizons.

Many lineaments can be interpreted from air photographs but consistent outcrop series of diabase dykes suggests a period or more of late brittle faulting. The northeast-trending lineament through Kapikotongwa River offsets diabase dykes in a dextral sense for a distance of 300 metres. Other surficial lineaments may reflect only the latest glaciation.

Figure 6. Regional Geological Map

7.2 Property Geology

The rocks on the Melchett Lake property (Davison and Wahl, 1984 among others) consist of an east-west trending assemblage of schists and gneisses derived from mafic to acidic volcanics and associated epiclastic deposits. The mafic to intermediate rocks are now massive to foliated hornblende- feldspar(-garnet) schists with some fragments in which clast sizes may reach 45cm x 15cm and abundances may reach between 40% and 80%. These fragments probably represent mafic lapilli tuffs. The acidic volcanics are now massive to schistose quartz - feldspar (-sericite) schists and gneisses, often with siliceous and micaceous layers alternating, and fragmental units containing quartz-feldspar-garnet clasts of up to 40cm x l0cm in size. Some presumed lapilli reach up to 100cm in length, but the degree of structural stretching is unknown.

A few strongly chloritized and schistose mafic dykes occur within the schists and gneisses at Melchett Lake. These are generally deformed, and concordant or semi-concordant to the schistosity of their hosts.

Fold axes and rare facing orientations suggest that the rocks on the Melchett Lake property young northwards and form the northern limb of a large easterly double plunging antiform. Later north-south folding and brittle fault features are indicated by crenulations and offsets of strata.

There are also pegmatitic and quartz veins up to 35cm in width intruding various lithologies on the Melchett Lake property, and late (Keweenawan?) diabase dykes of three types cut across the Archean supracrustal rocks.

Highlights of the prospective geology, alteration and mineralization (Figures 7 and 8) are as follows:

- Three known centres of coincident alteration and metal mineralization
- Multiple stratigraphic horizons
- Distal and stacked proximal sulphides
- High Zn/Cu, Zn/Pb, Ag/Au
- Extensive remobilization of major and trace elements
- Sericite-quartz-cordierite-chlorite alteration zone
- Broad phyllic-pyrite zones
- Intense Na depletion with elevated Zn, Ca and Sr depletion with elevated Zn
- Fe, Mg, Co, Cr, Cd enrichment within and below mineralization
- Continuity of alteration and anomalous Zn over large intervals in core drilling
- Extensive alteration haloes analogous to world class zinc deposits

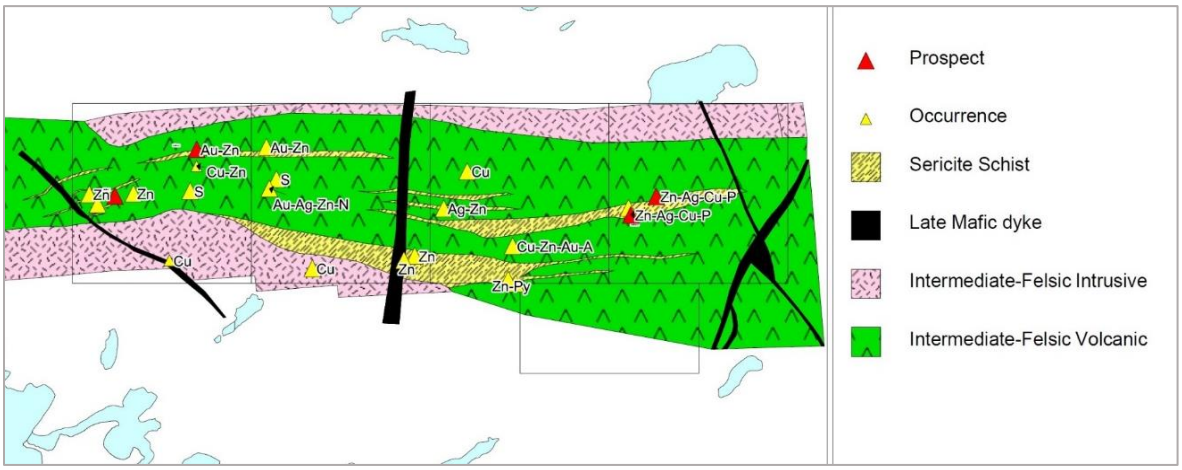

Figure 7. Property geology with historical soil geochemical anomalies

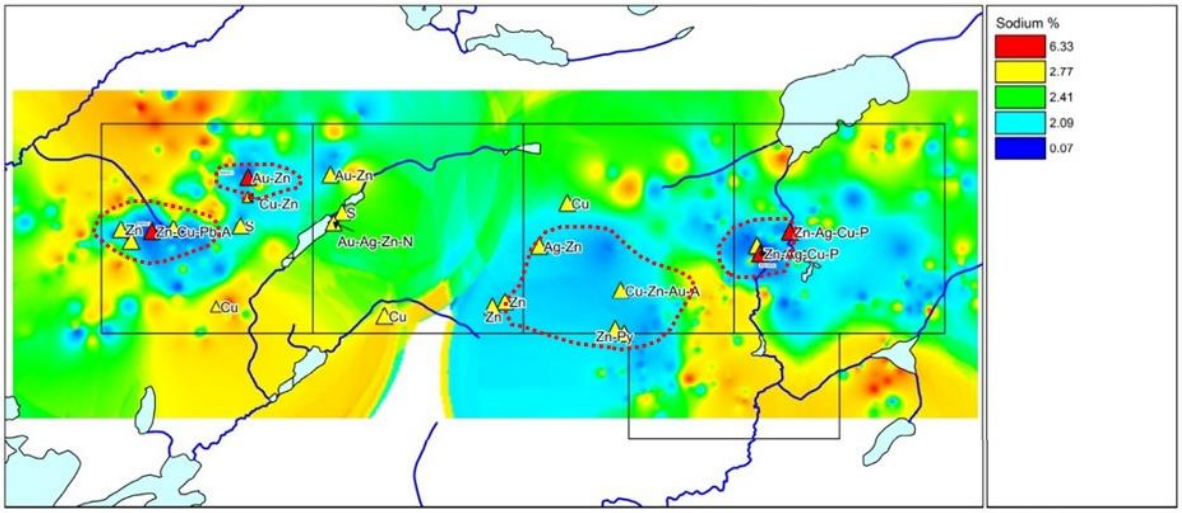

Figure 8. Sodium depletion anomalies and mineralized centres

7.3 Mineralization

The Melchett Lake belt contains several occurrences of polymetallic Zn-Pb-Cu-Ag-Au VMS style mineralization similar in character to ore deposits exploited at Mattabi, Winston Lake, Geco and Uchi Lake. Base metal mineralization consisting of pyrite, sphalerite, chalcopyrite and galena occurs within the felsic metavolcanic sequences of the Property. There are locally high-grade lenses of Zn & Ag with variable Cu, Au and Pb, and gold grades to 26.1 g/t Au, silver grades to 560 g/t Ag and zinc grades to 19.1%. The mineralization is interpreted to occur as paleo-topographic accumulations related to fumarolic activity forming polymetallic deposits overprinted by a later stage gold-rich event.

Three zones of sulphide mineralization have been outlined on the property to date, the Nakina 1, Nakina 2 and Relf zones. Nakina 1 extends for some 1.5 kilometres east-west, with the central 300 metres containing zinc (sphalerite) and silver mineralization and is developed in acidic to intermediate metavolcanic schists with abundant pyrite, sericite and chlorite alteration. Nakina 2 has been defined over approximately 800 metres, with primarily gold mineralization recorded in trenches, and is developed in acidic to intermediate metavolcanic schists with abundant sericite alteration, minor chloritization and disseminated pyrite. The Relf zone extends for approximately 1.3 kilometres east-west, with zinc-silver (with minor copper and lead) mineralization in intermediate metavolcanic schists occurring over the western 300 metres (Photos 6, 7 and 8).

The Relf and Nakina 1 zones, separated by approximately 5 kilometres, are believed to lie at the same stratigraphic horizon, with the Nakina 2 zone some 400 metres higher in the stratigraphy than Nakina 1. A major strike-slip fault trending NW with an interpreted dextral movement of 500 metres cuts the mineralized sequence between the Nakina 1 and Relf zones.

Photo 6. Drone aerial of the Relf (Kerr-Lund) occurrence in 2018

Photo 7. Overview of the stripped Relf (Kerr-Lund) occurrence in 2018

Photo 8. Intense oxidized sulphide mineralization in sericite schist at Relf showing in 2018

8.0 DEPOSIT TYPES

Based on the property geology and mineralization, the most probable deposit model for the property is volcanogenic massive sulphide (VMS) deposit type.

Volcanogenic massive sulphide (VMS) deposits are also known as volcanic-associated, volcanic-hosted, and volcano-sedimentary-hosted massive sulphide deposits. They typically occur as lenses of polymetallic massive sulphide that form at or near the seafloor in submarine volcanic environments. They form from metal-enriched fluids associated with seafloor hydrothermal convection. Their immediate host rocks can be either volcanic or sedimentary.

VMS deposits are major sources of Zn, Cu, Pb, Ag and Au, and significant sources for Co, Sn, Se, Mn, Cd, In, Bi, Te, Ga and Ge. Some also contain significant amounts of As, Sb and Hg. Historically, they account for 27% of Canada's Cu production, 49% of its Zn, 20% of its Pb, 40% of its Ag and 3% of its Au.

Because of their polymetallic content, VMS deposits continue to be one of the best deposit types for security against fluctuating prices of different metals (Galley et. al., 2007). These deposit types are also known as volcanic-exhalative deposits in contrast to the similar SEDEX (sedimentary exhalative) deposits which are formed in sedimentary sequences.

As shown in Figure 9, most VMS deposits have two components. There typically is a mound-shaped to tabular, stratabound body composed principally of massive (>40%) sulphide, quartz and subordinate phyllosilicates and iron oxide minerals and altered silicate wall rock. These stratabound bodies are typically underlain by discordant to semi-concordant stockwork veins and disseminated sulphides.

The stockwork vein systems, or "pipes", are enveloped in distinctive alteration halos, which may extend into the hanging-wall strata above the VMS deposit (Galley et al., 2007).

The most common feature among all types of VMS deposits is that they are formed in extensional tectonic settings, including both oceanic seafloor spreading and arc environment.

Modern seafloor VMS deposits are recognized in both oceanic spreading ridge and arc environments (Herzig and Hannington, 1995), but deposits that are still preserved in the geological record formed mainly in oceanic and continental nascent-arc, rifted arc and back-arc settings (Allen et al., 2002; Franklin et al., 1998).

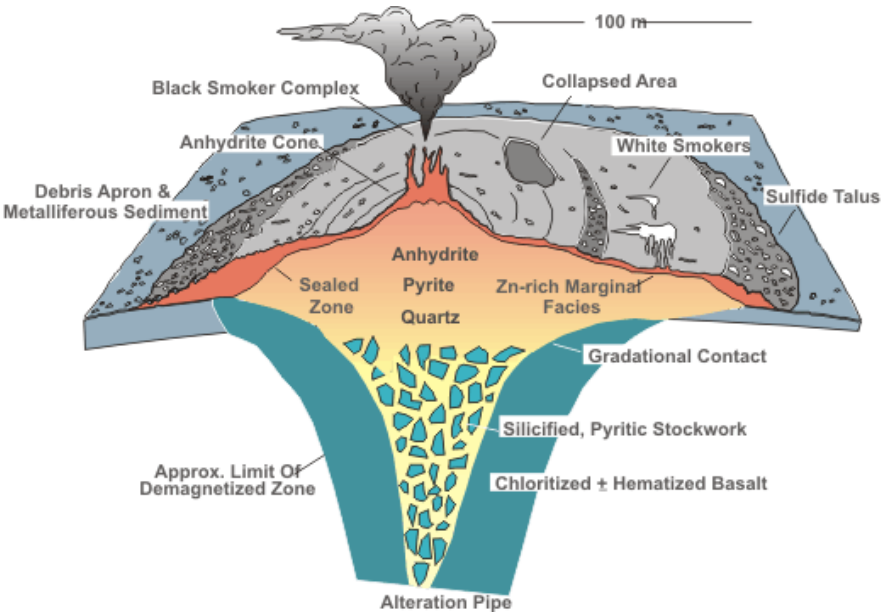

Figure 9. Typical Section of a VMS deposit (Galley 1993, 2007)

The following are the major exploration criteria for Canadian VMS deposits and key attributes of VMS-hosting volcanic complexes.

1. The deposits occur in volcanic belts from Late Archean to Eocene in which extension is indicated by relatively primitive (tholeiitic to transitional) bimodal volcanism in nascent arc, rifted arc and back-arc environments. Some obducted seafloor-spreading centers and rifted continental margins are also prospective.

2. VMS formation occurs during periods of major ocean-closing and terrane accretion. This includes the Late Archean (2.8-2.69 Ga), Paleoproterozoic (1.92-1.87 Ga), Cambro-Ordovician (500-450 Ma), Devonian-Mississippian (370-340 Ma), and Early Jurassic (200-180 Ma).

3. In effusive flow-dominated settings in oceanic arc and continental margin arcs, VMS can be associated with 15-25 km-long mafic to composite synvolcanic intrusions. These intrusions are Na-rich and depleted in low field strength elements and have low airborne radiometric responses but commonly show magnetic halos due to surrounding zones of high-temperature fluid interaction. Exploration should be focused up to 3000metres up section in the co-magmatic volcanic suites in the hanging wall of the intrusions. Rhyolites with high Zr (>300 ppm), negative chondrite-normalized Eu anomalies, (La/Yb)N<7, (Gd/Yb)N<2 and Y/Zr< 7 define high-temperature (>900°C) felsic volcanic environments favourable for VMS formation. The presence of synvolcanic dike swarms and exhalite horizons are indicative of areas of high paleo-heat flow.

4. In continental back arc, bimodal siliciclastic-dominated settings aeromagnetic surveys can be used to identify areally extensive Fe-formations to target hydrothermally active paleo-seafloor horizons. Variations in the mineralogy of the iron formations and varying element ratios can serve as vectors toward high-temperature hydrothermal centers. Volumetrically minor sill-dike complexes also may identify higher temperature hydrothermal centers.

5. In upper greenschist-amphibolite metamorphic terranes, distinctive, coarse-grained mineral suites commonly define VMS alteration zones. These include chloritoid, garnet, staurolite, kyanite, andalusite, phlogopite and gahnite. More aluminous mineral assemblages commonly occur closer to a high temperature alteration pipe. Metamorphic mineral chemistry, such as Fe/Zn ratio of staurolite, is also a vector to ore. These largely refractory minerals have a high survival rate in surficial sediments, and can be used through heavy mineral separation as further exploration guides in till-covered areas.

6. Mineralogy and chemistry can be used to identify large-scale hydrothermal alteration systems in which clusters of VMS deposits may form. Broad zones of semi-conformable alteration will show increases in Ca-Si (epidotisation-silicification), Ca-Si-Fe (actinolite-clinozoisite-magnetite), Na (spilitization), or K-Mg (mixed chlorite-sericite ±K-spar). Proximal alteration associated with discordant sulphide-silicate stockwork vein systems includes chlorite-quartz-sulphide or sericite-quartz-pyrite ±aluminosilicate-rich assemblages and is typically strongly depleted in Na and Ca due to high-temperature feldspar destruction. In addition to geochemical analysis, X-ray diffraction, PIMA and oxygen isotope analysis can assist in vectoring towards higher-temperature proximal alteration zones and associated VMS mineralization. Although PIMA has been used most effectively on alteration systems that contain minerals with a high reflective index, there has been some success in identifying greenschist facies minerals within Precambrian VMS hydrothermal systems (Galley et al., 2007).

9.0 EXPLORATION

9.1. SUMMARY OF ACTIVITIES

The recent project work was performed to verify the multi-kilometre strike length of the known areas of mineralization, broad intervals of mineralization, intense alteration profile similar to well-known polymetallic deposits, and presence of high-grade values of both precious metals and base metals reported from the historical exploration. The current exploration program also included data compilation, and acquisition where required for digital information unavailable via public sources, of all historical geophysical, geochemical, and geological information prior to the field program.

A key aspect of the current program was the identification and verification of GPS co-ordinates for the historical drill collars to develop an accurate plan map and 3D Leapfrog model of the target areas for future drilling plans, to confirm the distribution of geochemical anomalies downhole and relative to the surface geological and geochemical mapping, and to confirm the xyz-coordinate location of downhole EM anomalies associated with 2007-2008 drilling.

The Property was accessed via float equipped aircraft from Nakina to fly camps on both Relf Lake and Kapikotongwa Lake, the latter west of Melchett Lake, and by helicopter to camp sites and target areas from Nakina Airport and by boat to the various trails to target zones.

Photo 9. Field crew unloading gear on Kapikotongwa Lake

The team spent a total of four days at the Relf Lake showings and three days at the Nakina showings. Silver Spruce Director, Greg Davison, who worked the Melchett Lake area both for Kerr Addison Mines and Tribute Minerals, respectively, led the management oversight of the Property. In addition to the important task of georeferencing historic drill hole locations and

determining the correct collar identification, the program also included five days of reconnaissance sampling, prospecting and geological investigations on both the Nakina showing and Relf showing. The field program involved Greg Davison and Luc Lepage of Silver Spruce Resources, Billy and Kevin Fields, Alex Pleson and Ben Kuzmich of Pleson Geoscience.

Consulting Geologist Luc Lepage, MSc, PGeo, was the manager of the on-site activities for the field program. Mr. Lepage has extensive international exploration experience including field work at the nearby Marshall Lake VMS project.

Photo 10. Helicopter mobilization to the Relf Zone showings

Photo 11. Helicopter mobilization to the Nakina Zone showings

Field work for the due diligence program focused on GPS location surveys of the historical drill collars to initiate and update the 2D and 3D Leapfrog model, and preservation and sampling of the diamond drill core stored on the Property, which may be required for future due diligence of alteration profiles, and geological sampling and data verification on known occurrences.

The team examined the principal showings and trenches, and drill core at the Relf and Nakina targets separated by five kilometres along the principal mineralized trend. Limited ground truthing of geochemical and geophysical targets was conducted by prospecting over areas peripheral to the known mineralization. Daily logs of activity are provided in Appendix I.

A total of seventy-two (72) rock and core samples were collected, sixty (60) of which were submitted for assay analysis of Cu, Zn, Pb and multi-element geochemical analysis and Au, and indications of mineral alteration and data verification for comparison with previous exploration.

9.2 HISTORIC DRILL HOLE GEOREFERENCE SURVEY

A key aspect of the current program was the identification and verification of GPS co-ordinates for the historical drill collars to develop an accurate plan map and build a 2D and 3D Leapfrog model of the target areas for future drilling plans, to confirm the distribution of geochemical anomalies downhole and relative to the surface geological and geochemical mapping, and to confirm the xyz-coordinate location of downhole BHPEM anomalies specifically associated with 2007-2008 drilling.

In many holes, collars were identified with clear-cut pads, drill stems protruding from the surface and some relict DDH collar markers (Photos 12, 13 and 14).

Photo 12. Collar identification in the Relf Zone

Photo 13. Collar identification in the Nakina Zone

Luc Lepage, shown above, a consultant to Silver Spruce Resources Inc. ("SSE"), led the team that conducted the georeferencing along the Relf and Nakina discovery areas to identify any potential remnants of past drilling from 1964 through 2008.

Photo 14. Collar identification in the Relf Zone – note large pad access

The georeferencing campaign proved to be invaluable. Much effort and re-tracing of steps was required as many of the drill collars were mis-located or located only via original cut grid co-ordinates prepared from the 1960's to the 1980's.

The team was able to identify enough drill collars (34) on surface to correct and confirm several of the prior operator's assessment report maps (Table 7, Figures 10 and 11).

Hole ID	Easting	Northing	Reference	GPS E - LL	GPS N - LL	E diff	N diff	dip	Az	Az final	Dip Test	Dip Test	Casing	Hole Length	Grid Northing	Historical Samples	
S-1	503780	5622233	Master .xls														
S-2	503768	5622225	Master .xls														
S-3	503589	5622052	Master .xls														
S-4	503723	5622295	Master .xls														
N-1	498941	5622235						45°	194°					101.8032m	026N		
N-2	498941	5622235						45°	156°					99.06m	026N		
N-3	498945	5622239						45°	165°					93.5736m	050N		
N-4	498949	5622244						45°	165°					94.1832m	077N		
N-5	498955	5622252						45°	165°					99.6696m	105N		
N-6	498965	5622251						45°	165°					103.0224m	106N		
N-7	498870	5622274						45°	180°					164.8968m	200N		
N-8	499115	5622260						45°	180°					157.5816m	1400N		
N-9	498758	5622183						45°	180°					134.112m	075N		
N-10	498870	5622274						70°	180°					89.3064m	200N		
M80-1	499575	5622635															
M80-2	500549	5622448															
M80-3	499608	5622647															
M80-4	503185	5622153						60°	177°					136m	550S		
M80-5	504418	5622281						50°	177°					154.3m	350S		
M80-6	504650	5622436						45°	177°					157.3m	175S		
M80-7	502677	5621728						45°	177°					151m	650S		
KAR-01	503737	5622311	Report no.12	503728	5622394	8.6	-83.5	70°	180°	no data	-60°	195.07m	Yes	195.07m	235S	B-100-233	234
KAR-02	503914	5622310	Report no.12	503685	5622237	228.6	72.9	70°	180°	no data	-54°	181.96m	Yes	181.96m	330S	B-234-357	124
KAR-03	503512	5622285	Report no.12	503584	5622128	-71.6	156.7	70°	180°	no data	-54°	212.44m	Yes	212.44m	430S	B-358-502	145
KAR-04	503666	5622215	Report no.12	503503	5622308	162.5	-93.1	70°	180°	no data	nil	nil	Yes	93.87m	250S		
KAR-05	503861	5622277	Report no.14					70°	180°	no data	-57°	213.06m	Yes	213.06m	300S	Sample B-567 to B-701	
KAR-06	503835	562273	Report no.14					70°	180°	no data	-59°	213.11m	Yes	213.11m	400s	Samples B-702 to B-847	
KAR-07	503427	5622075	Report no.14					70°	180°	no data	-60°	213.06m	Yes	150m	460S	Samples B-848 to B1000	
KAR-08	503729	5622394	Report no.39					70°	180°	no data	-61.5°	213.06m	Yes	213.06m	450S	Sample B-1001 to B-1142	
KAN 1-1	499093	5622286	Report April 15 1987					60°	180°	no data	-51°	121.92	Yes	233.5m	085N	Sample C100-C265	
KAN 1-2	499095	5622223	Report no.16					60°	180°	no data	-57°	75.89m	Yes	75.89m	100N	Sample C-410 to C-454	
KAN 1-3	498891	5622254	Report no.17					70°	180°	no data			Yes	*175m*	*30W*		
KAN 1-4	499292	5622280						70°	180°	no data			Yes	*175m*	*85N*		
KAN 1-5										no data			Yes	*305m*	*150N*		
KAN 2-1	499666	5622681	Report April 15 1987					70°	180°	no data	-66°	212.44m	Yes	212.44m	420N	Samples D-100 to D244	245
KAN 2-2	499472	5622668	Report no.16					60°	180°	no data	-52°	213.06m	Yes	213.06m	450N	Sample D-245 to D-382	138
KAN 2-3	499872	5622699	Report no.16					60°	180°		-52°	106.37m	Yes	106.37m	420N	Samples D-527 to D-596	
KAN 2-4			Report no.16					60°	180°		-52°	106.37m	Yes	106.37m	420N	Samples D-597 to D-661	
KAN 2-5			Report no.16					60°	180°		-52°	152.09m	Yes	152.09m	500N	Samples D-662 to D-767	
KAN 2-6			Report no.17					60°	180°		-52°	106.37m	Yes	106.37m	420N	Samples D-455-D-526	
SB07-01	503616	5622289	2007 Drilling report (2008)	503604	5622307	11.7	-18	75°	180°	199.4°	-56.2°	100, 206, 415, 622m	Yes	622m	250S	445551-645	95
SB08-02	503728	5622022	2008 drilling report (2009)	503724	5622249	4	-227	80°	180°	no data	-56.1°	50m int to 650m	Yes	688m	315S	195201-304	104

Table 7. DDH Collar Georeference Data for Relf and Nakina Zones

Hole ID	Easting	Northing	Note				Core size	Company	Year	Date Drilled	Artesian	Contractor	Core storage	Logged By:	2019 Samples	
S-1	503780	5622233						Shawmine 1964 ??								
S-2	503768	5622225						Shawmine 1964 ??								
S-3	503589	5622052						Shawmine 1964 ??								
S-4	503723	5622295						Shawmine 1964 ??								
N-1	498941	5622235					AXT	Nakina Mine - D	1968				N/A			
N-2	498941	5622235					AXT	Nakina Mine - D	1968				N/A			
N-3	498945	5622239					AXT	Nakina Mine - D	1968				N/A			
N-4	498949	5622244					AXT	Nakina Mine - D	1968				N/A			
N-5	498955	5622252					AXT	Nakina Mine - D	1968				N/A			
N-6	498965	5622251					AXT	Nakina Mine - D	1968				N/A			
N-7	498870	5622274					AXT	Nakina Mine - D	1968				N/A			
N-8	499115	5622260					AXT	Nakina Mine - D	1968				N/A			
N-9	498758	5622183					AXT	Nakina Mine - D	1968				N/A			
N-10	498870	5622274					AXT	Nakina Mine - D	1968				N/A			
M80-1	499575	5622635							1980							
M80-2	500549	5622448							1980							
M80-3	499608	5622647							1980							
M80-4	503185	5622153					AQ	Cominco drilling	1980				Kap Lake			
M80-5	504418	5622281					AQ	Cominco drilling	1980				Kap Lake			
M80-6	504650	5622436					AQ	Cominco drilling	1980				Kap Lake			
M80-7	502677	5621728					AQ	Cominco drilling	1980				Kap Lake			
KAR-01	503737	5622311	twin collar? ... or AQ rod used as anchor?				BQ	Kerr Addison	1987	Feb 9-12 1987	Nil	Connors	Kap Lake	B Otton	108112-114	3
KAR-02	503914	5622310	casing left in hole as per logging geologist				BQ,Boyle 25A	Kerr Addison	1987	Feb 13-17 1987	Nil	Connors	Kap Lake	B Otton	108115	1
KAR-03	503512	5622285	casing left in hole as per logging geologist				BQ	Kerr Addison	1987	Feb 17-20 1987	Nil	Connors	Kap Lake	B Otton	108116-118	3
KAR-04	503666	5622215	found old rotten drill pad but no collar - casing apparently left in hole				BQ	Kerr Addison	1987	Feb 20-23 1987	Nil	Connors	Kap Lake	B Otton		
KAR-05	503861	5622277	casing left in hole as per logging geologist				BQ	Kerr Addison	1987	Sep 20-23 1987	Nil	Connors	Kap Lake	B Otton		
KAR-06	503835	562273	casing left in hole as per logging geologist				BQ	Kerr Addison	1987	Sep 24-28 1987	Nil	Connors	Kap Lake	B Otton		
KAR-07	503427	5622075	casing left in hole as per logging geologist				BQ	Kerr Addison	1987	Sep 30 - Oct 1 1987	Nil	Connors	Kap Lake	B Otton		
KAR-08	503729	5622394					BQ	Kerr Addison	1987	Oct 2-5 1987	Nil	Connors	Kap Lake	B Otton		
KAN 1-1	499093	5622286	casing left in hole as per logging geologist				BQ	Kerr Addison	1987	Feb 25-28 1987	Nil	Connors	Kap Lake	B Otton		
KAN 1-2	499095	5622223	casing left in hole as per logging geologist				BQ	Kerr Addison	1987	Nov 15-19 1987	Nil	Connors	Kap Lake	B Otton		
KAN 1-3	498891	5622254	Grid location from Map is not reliable, verify against logs				BQ	Kerr Addison	1987	Nov 10-14 1987	Nil	Connors	Kap Lake	B Otton		
KAN 1-4	499292	5622280	never drilled ??				BQ	Kerr Addison	1987		Nil	Connors	Kap Lake	B Otton		
KAN 1-5			never drilled ??					Kerr Addison			Nil	Connors	Kap Lake	B Otton		
KAN 2-1	499666	5622681	casing left in hole as per logging geologist				BQ,Boyle 37A	Kerr Addison	1987	Feb 13-20 1987	Nil	Connors	Kap Lake	B Otton	108107-109	3
KAN 2-2	499472	5622668	casing left in hole as per logging geologist				BQ	Kerr Addison	1987	Oct 8-10 1987	Nil	Connors	Kap Lake	A Ainslie	108110-111	2
KAN 2-3	499872	5622699	casing left in hole as per logging geologist				BQ	Kerr Addison	1987	Oct 15-16 1987	Nil			Andrew Ainslie		
KAN 2-4			casing left in hole as per logging geologist				BQ	Kerr Addison	1987	Oct 16-17 1987	Nil			Andrew Ainslie		
KAN 2-5			casing left in hole as per logging geologist				BQ	Kerr Addison	1987	Oct 17-Nov 10 1987	Nil			Andrew Ainslie		
KAN 2-6			casing left in hole as per logging geologist				BQ	Kerr Addison	1987	Oct 13-14 1987	Nil			Andrew Ainslie		
SB07-01	503616	5622289	Collar found dipping 76° azim 180°, hole also named KAR-09 in 2007 report				BQ	Stratabound	2007	Oct 28-Nov 4 2007	Nil	Boart Longyear	Relf Lake	JL Wahl	36126-36138	13
SB08-02	503728	5622022	Collar was found at site with core, NAD27-NAD83 conversion issue				BQ + AQ	Stratabound	2008	Aug 27-Sep 7 2008	Nil	Boart Longyear	Relf Lake	JL Wahl	36139-36150,36726-36735,108202-203	24

Table 7 continued. DDH Collar Georeference Data for Relf and Nakina Zones

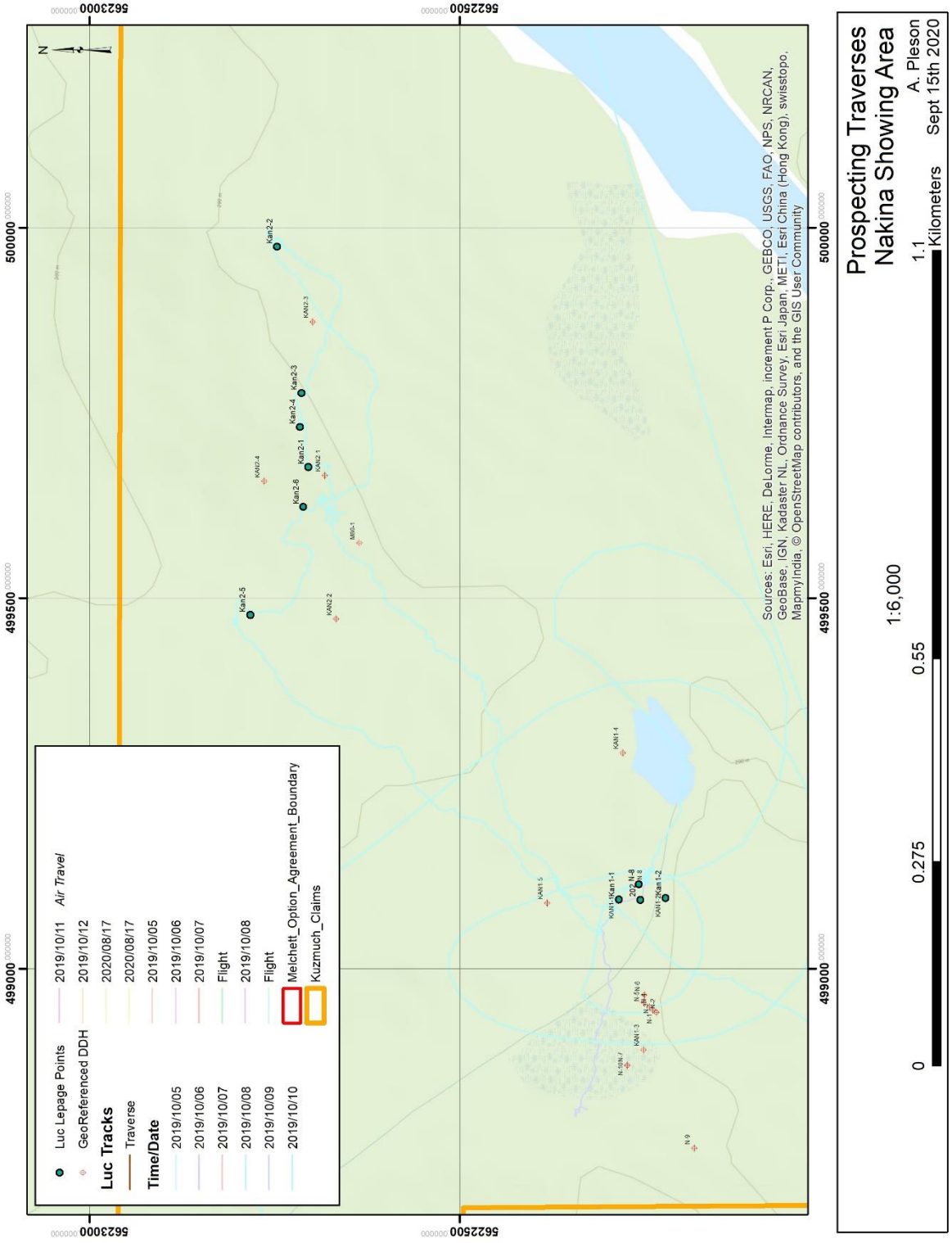

Figure 10. DDH Location at Nakina Zone Prior to and After 2019 Georeferencing

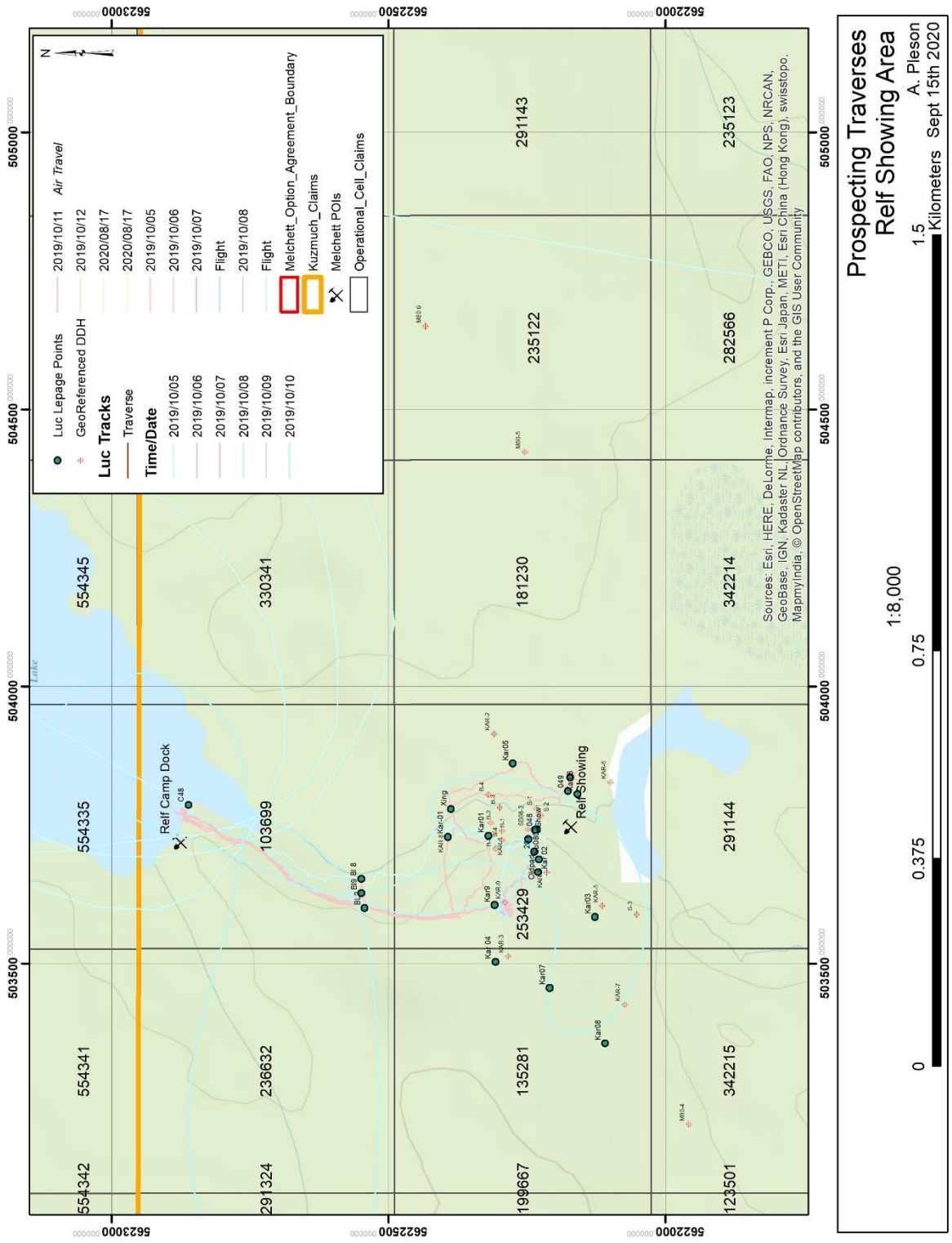

Figure 11. DDH Location at Relf Zone Prior to and After 2019 Georeferencing

The GPS survey noted that minor to major differences in the collar positions were evident and deviation of diamond drill holes from the MNDM database to the corrected position ranged to more than 225 metres (Figures 10, 11 and 12). Plans and section views confirm the importance of completing the GPS survey for both the Relf and Nakina Zones prior to data analysis and further field activity planning.

The collars for the Nakina area holes, which exhibited significant variance from the assessment literature, and the trench zones, were re-located using GPS. The collars in the Nakina Zone in the case of the older holes (pre-1987) were very difficult to locate and identify in part due the patchy nature of the forest cover, and inaccurate historical records.

Though the majority of the Kerr Addison holes drilled in 1987 were located in both the Nakina and Relf Zones, though the locations as shown in Figures 10, 11, 12 and 13 were significantly shifted from the expected sites, and explained the length of time required for the team to find the collars.

There also are holes which apparently were changed in drilling order and other holes which were not drilled at all. Errors due to changes in GPS co-ordinates systems from NAD27 to NAD83 and WGS84, and variance in different grid locations may show significant deviation in line spacing and orientation to the surveyed collars. One or more may play a role in the requirement for verification of the collar location prior to 3D modeling and planning.

A plan view of the shift in Relf Zone DDH locations and its importance to current and future exploration planning is clearly evidenced in Figure 13. A schematic cross section from the Relf Zone generated using Leapfrog software (Figure 14) clearly shows the excellent correlation of the intervals of major mineralization with consistent northerly dipping structural fabric from three diamond drill holes in the Relf Zone using the updated georeferencing data.

Additional GPS acquisition and collar surveying for the historical collars will be a requisite adjunct to the follow-up ground exploration program.

It was very apparent that 2D and 3D modelling would inherit significant diversions from the true locations had this survey not been completed prior to re-interpretation of the BHTEM, positioning of the proposed follow-up deep penetrating geophysical surveys, and Leapfrog modelling for drill holes and Maxwell plates prior to proposed follow-up diamond drilling programs.

The value of this survey will prove itself in Silver Spruce Resource's continued effort in modelling all of the historic diamond drill holes and downhole geophysics in 2D and 3D. The added success of this accuracy will provide the Company with precise target vectors and mitigate spatial errors in future exploration work.

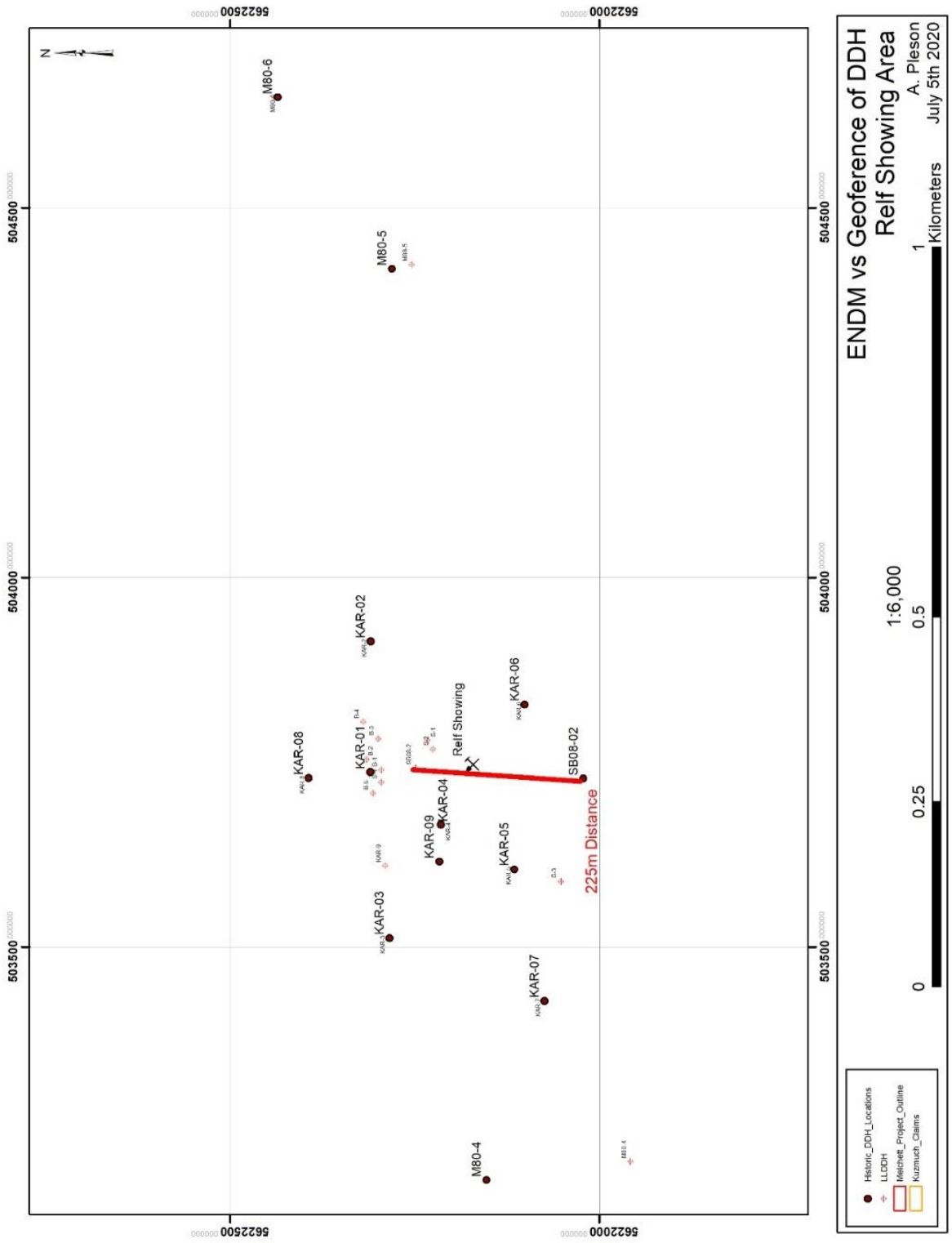

Figure 12. Georeferenced DDH Comparison from Relf Zone

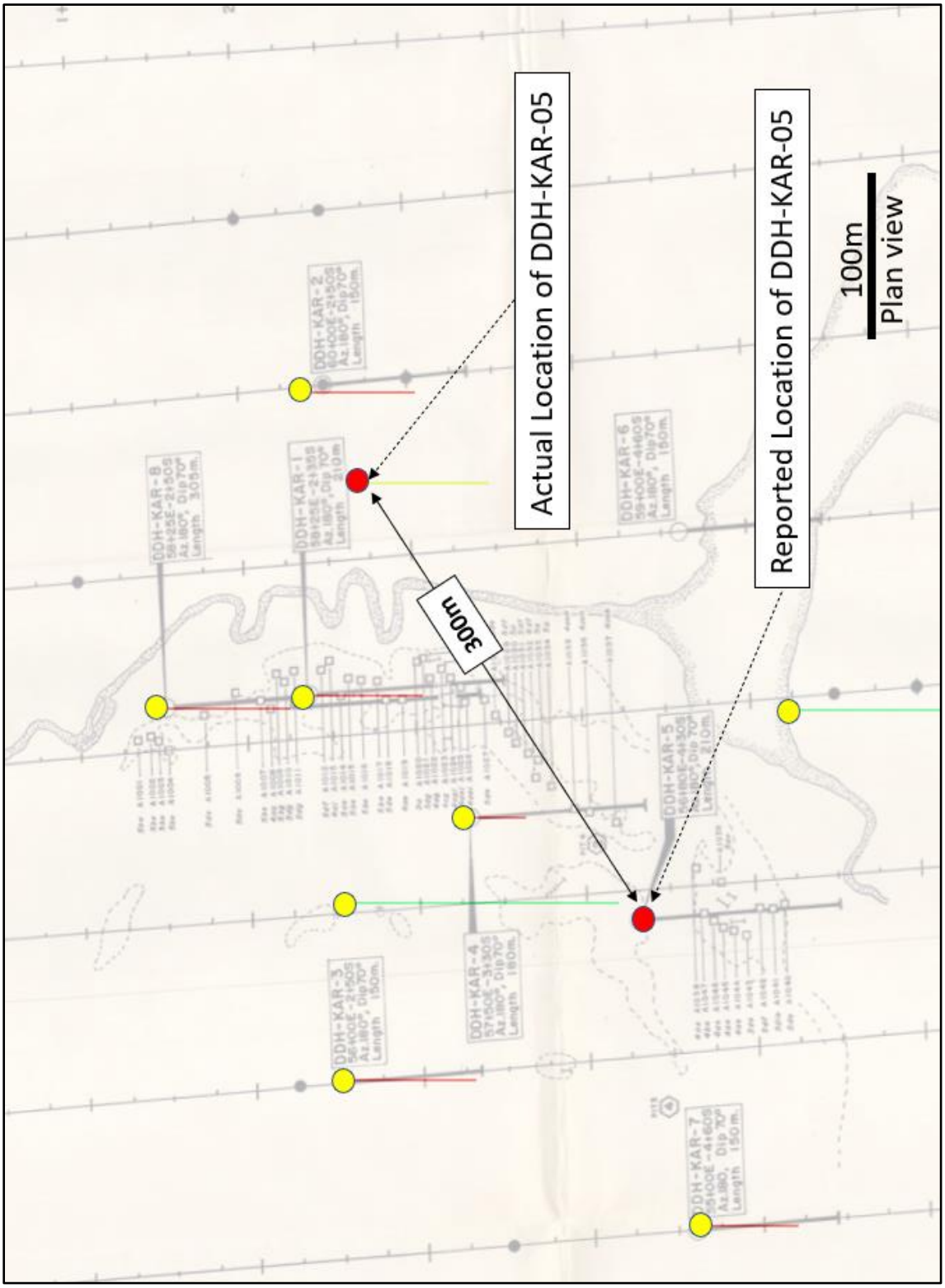

Figure 13. Plan View from Leapfrog of Georeferenced DDH at Relf Zone

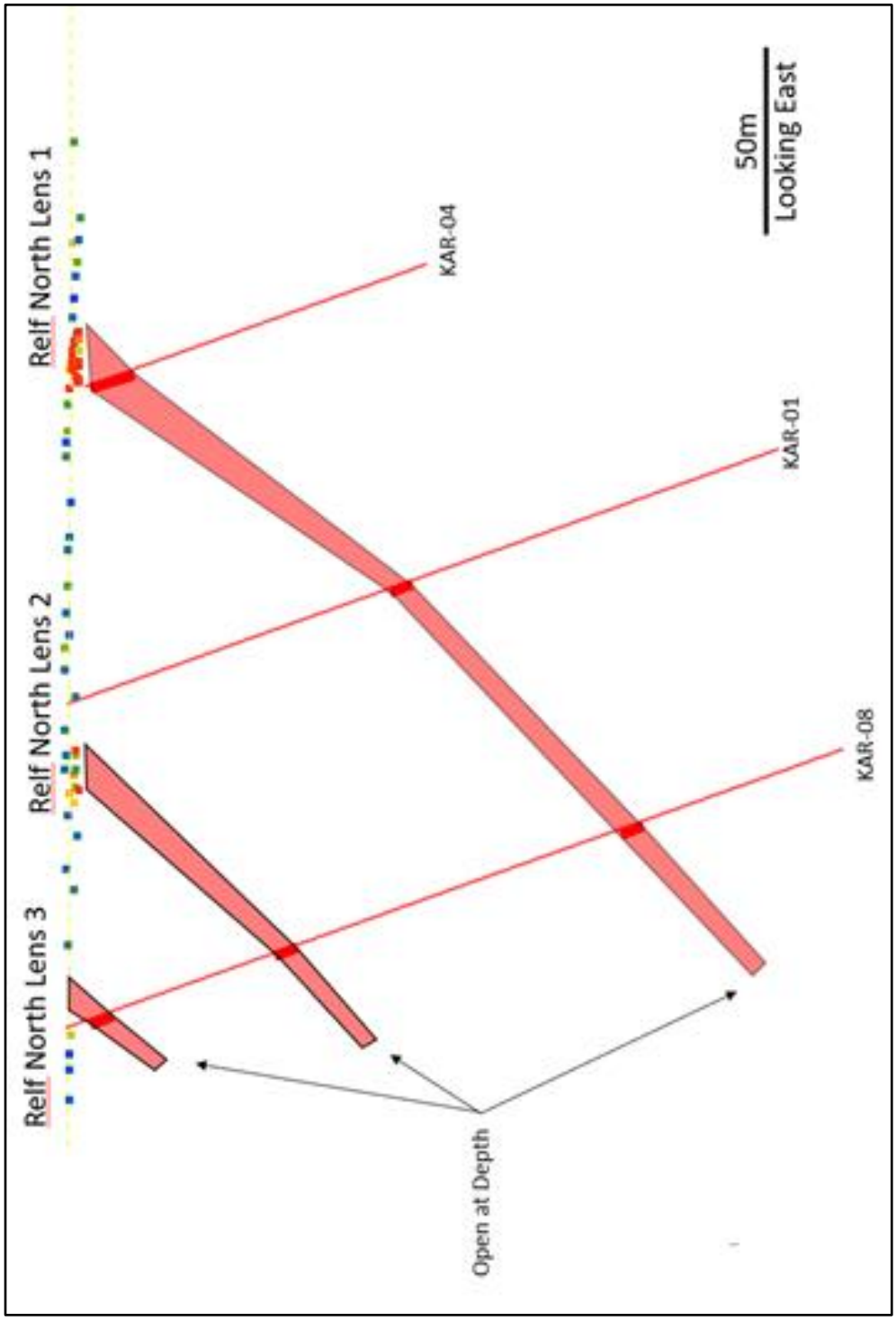

Figure 14. Schematic Leapfrog Cross Section of Georeferenced DDH at Relf Zone

9.3 CORE AND TRENCH SAMPLING, PROSPECTING AND STRIPPING

The sampling approach for this work was to collect select and representative surface grab samples, some from the known trenches and drill core samples from each of the dominant rock types for general geochemical comparison with volcanogenic massive sulphide (VMS) patterns.

The team primarily examined the principal showings and trenches, and drill core at the Relf and Nakina targets along the principal mineralized trend.

Limited time was available for prospecting but was conducted in both Nakina and Relf Zones and included stripping of outcrops and searching for mineralized float. Of note, the area is covered by glacial debris, albeit thin in places, by outwash, esker and lacustrine deposits, much of which can be closely correlated with the vegetation and surficial geology maps (Wahl and Davison, 1984).

The data presented in this report is based on the current and historical exploration work results, published assessment and literature reports available from the Vendor, Silver Spruce Resources, Ontario MNDMF, Geological Survey of Canada, and Ontario Geological Survey.

Drill core from the Stratabound Minerals program of two holes in 2007 and 2008 was unstacked and re-stacked at the Relf Lake collar sites (Photo 15) whereas Kerr Addison core from the 1983-1987 programs were stored in moderate to poorly preserved racks near the Kapikotongwa Lake ("Kap") camp location, two kilometres west of the Nakina showings (Photos 16 and 17). The former core was well preserved, and all of the remaining core was laid out and reviewed before cross-stacking, and 10cm whole core samples were collected at several intervals principally for metal and alteration geochemistry (Photos 18 and 19). The majority of the well mineralized intervals were sampled in their entirety by programs done by one or more of Kerr Addison, Redbird, Melchett Syndicate, Stratabound and Anconia Resources.

Photo 15. Well preserved core stacks from Stratabound deep drilling in 2007/2008

Photo 16. Silver Spruce Director Davison pulling coherent tray of split core for sampling at the Kapikotongwa storage site

The core at Kap-Nakina included Kerr Addison holes from both the Nakina and Relf targets. The core racks were in very poor condition and only a small proportion of the core was readily accessible for any sampling as labels and core integrity were limited. No re-logging of the KA-R or KA-N drill core from 1987 was possible due to the poor condition and inability to view many of the core intervals either missing, collapsed, or grown over by vegetation. Limited samples, only where hole identification was verified (Photo 19), were collected from felsic metavolcanics with textures and coloration similar to the principal alteration textures known from the surface exposures at Relf and Nakina. Table 8 lists the drill holes sampled in the current program.

Photo 17. Overgrown Nakina and Relf Zone core stored at Kapikotongwa Lake

Hole ID	Easting	Northing	Reference	GPS E- LL	GPS N - LL	E diff	N diff	dip	Az	Az final	Dip Test	Dip Test	Casing	Hole Length	Grid Northing	Historical Samples	
KAR-01	503737	5622311	Report no.12	503728	5622394	8.6	-83.5	70°	180°	no data	-60°	195.07m	Yes	195.07m	235S	B-100-233	234
KAR-02	503914	5622310	Report no.12	503685	5622237	228.6	72.9	70°	180°	no data	-54°	181.96m	Yes	181.96m	330S	B-234-357	124
KAR-03	503512	5622285	Report no.12	503584	5622128	-71.6	156.7	70°	180°	no data	-54°	212.44m	Yes	212.44m	430S	B-358-502	145
KAN 2-1	499666	5622681	Report April 15 1987					70°	180°	no data	-66°	212.44m	Yes	212.44m	420N	Samples D-100 to D244	245
KAN 2-2	499472	5622668	Report no.16					60°	180°	no data	-52°	213.06m	Yes	213.06m	450N	Sample D-245 to D-382	138
SB07-01	503616	5622289	2007 Drilling report (2008)	503604	5622307	11.7	-18	75°	180°	199.4°	-56.2°	100, 206, 415, 622m	Yes	622m	250S	445551-645	95
SB08-02	503728	5622022	2008 drilling report (2009)	503724	5622249	4	-227	80°	180°	no data	-56.1°	50m int to 650m	Yes	688m	315S	195201-304	104
Hole ID	Easting	Northing	Note					Core size	Company	Year	Date Drilled	Artesian	Contractor	Core storage	Logged By:	2019 Samples	
KAR-01	503737	5622311	twin collar? ... or AQ rod used as anchor?					BQ	Kerr Addison	1987	Feb 9-12 1987	Nil	Connors	Kap Lake	B Otton	108112-114	3
KAR-02	503914	5622310	casing left in hole as per logging geologist					BQ Boyle 25A	Kerr Addison	1987	Feb 13-17 1987	Nil	Connors	Kap Lake	B Otton	108115	1
KAR-03	503512	5622285	casing left in hole as per logging geologist					BQ	Kerr Addison	1987	Feb 17-20 1987	Nil	Connors	Kap Lake	B Otton	108116-118	3
KAN 2-1	499666	5622681	casing left in hole as per logging geologist					BQ Boyle 37A	Kerr Addison	1987	Feb 13-20 1987	Nil	Connors	Kap Lake	B Otton	108107-109	3
KAN 2-2	499472	5622668	casing left in hole as per logging geologist					BQ	Kerr Addison	1987	Oct 8-10 1987	Nil	Connors	Kap Lake	A Ainslie	108110-111	2
SB07-01	503616	5622289	Collar found dipping 76° azim 180°, hole also named KAR-09 in 2007 report					BQ	Stratabound	2007	Oct28-Nov4 2007	Nil	Boart Longyear	Relf Lake	JL Wahl	36126-36138	13
SB08-02	503728	5622022	Collar was found at site with core, NAD27-NAD83 conversion issue					BQ + AQ	Stratabound	2008	Aug27-Sep7 2008	Nil	Boart Longyear	Relf Lake	JL Wahl	36139-36150, 36726-36735, 108202-203	24

Table 8 Historical DDH sampled in 2019 program

The KAR-09 and SB-0802 drill holes were reviewed with the historical drill logs and samples were selected from intervals of interest, where available, as shown in Table 9. The sampling locations, were utilized for providing comparative geochemical and alteration data shown for 1987-2008 DDH sections, logs and assays in Appendix IV. Simplified geological logs and current sample depths for all of the selected diamond drill holes are provided in Figures 15-21.

Photo 18. Sampling newly laid out Nakina and Relf Zone core stored at Kapikotongwa Lake

Photo 19. Sampling Relf Zone core stored at drill sites

Rock sampling was carried out at both the Nakina and Relf targets at known trench locations as defined in Table 9. The Nakina targets are characterized by high silica-pyrite and a well foliated micaceous fabric. The Relf trenches are intensely altered and well oxidized with extensive gossans with friable to silicified quartz-sericite schists, and massive to spongy ferroan sphalerite with pyrite in stringers to lenses of several centimetres, now exposed over an area of forty by

twenty metres (Photos 20 and 21). The schists exhibited disseminated pyrite with pinch swell textures and steep dips along an east-west fabric. Lineations in the area are steeply dipping and appear orthogonal to the principal oblate alignment of the mineralization.

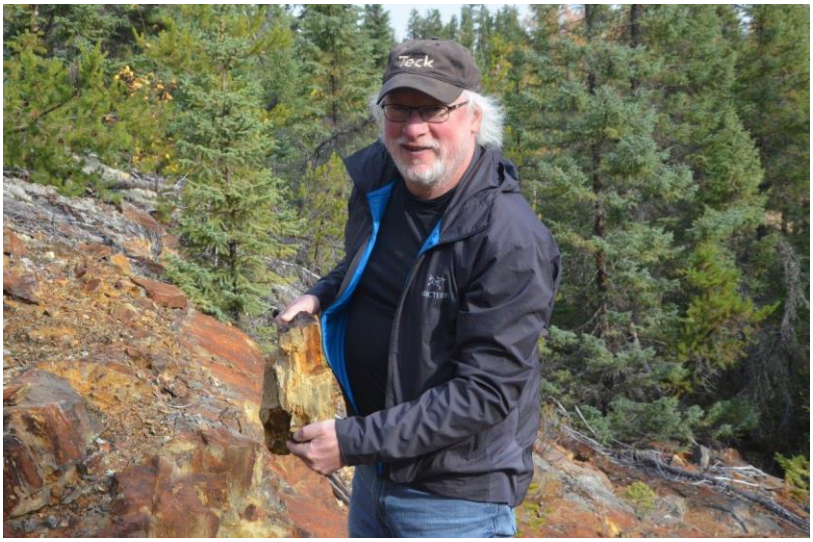

Photo 20. Sampling intensely altered mineralized sericite schist at Relf Zone

Photo 21. Sample of intensely altered, ferroan sphalerite-rich sericite schist at Relf Zone

Limited prospecting and stripping of outcrops principally in Nakina Zone, and to a lesser degree in the Relf Zone, identified quartz veins and highly silicified and sulphidized felsic schist peripheral to the known areas of drilling (Photos 22 and 23). The prospecting was carried out in conjunction with the GPS survey of drill collars and was preliminary in its extent, geometry and nature. The daily traverses covered during the prospecting are shown for the Nakina and Relf Zones are shown with the drill hole locations in Figures 10 and 11 and for clarity repeated herein in Figures 22 and 23. Grab samples were collected from several outcrops but mainly adjacent to trenches.

Sample no.	Description	Project	Date	Hole No.	From (m)	To (m)	Easting	Northing	Old sample no.	Location	Sample type	Geol	Comments
36126	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	238 m	---	503604	5622307	445578	Relf Zone	Core	LdL	
36127	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	311 m	---	503604	5622307	445586	Relf Zone	Core	LdL	
36128	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	360 m	---	503604	5622307	445593	Relf Zone	Core	LdL	
36129	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	365 m	---	503604	5622307	445594	Relf Zone	Core	LdL	
36130	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	367 m	---	503604	5622307	445597	Relf Zone	Core	LdL	
36131	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	384 m	---	503604	5622307	445598	Relf Zone	Core	LdL	
36132	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	463 m	---	503604	5622307	445609	Relf Zone	Core	LdL	
36133	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	464 m	---	503604	5622307	445610	Relf Zone	Core	LdL	
36134	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	477 m	---	503604	5622307	445614	Relf Zone	Core	LdL	
36135	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	537 m	---	503604	5622307	445621	Relf Zone	Core	LdL	
36136	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	541 m	---	503604	5622307	445625	Relf Zone	Core	LdL	
36137	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	548 m	---	503604	5622307	445632	Relf Zone	Core	LdL	
36138	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	582 m	---	503604	5622307	445640	Relf Zone	Core	LdL	
36139	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	269 m	---	503724	5622249	195230	Relf Zone	Core	LdL	
36140	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	270 m	---	503724	5622249	195231	Relf Zone	Core	LdL	
36141	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	272 m	---	503724	5622249	195233	Relf Zone	Core	LdL	
36142	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	273 m	---	503724	5622249	195234	Relf Zone	Core	LdL	
36143	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	310 m	---	503724	5622249	195238	Relf Zone	Core	LdL	
36144	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	328 m	---	503724	5622249	195240	Relf Zone	Core	LdL	
36145	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	337 m	---	503724	5622249	195241	Relf Zone	Core	LdL	
36146	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	345 m	---	503724	5622249	195242	Relf Zone	Core	LdL	
36147	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	346 m	---	503724	5622249	195243	Relf Zone	Core	LdL	
36148	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	371 m	---	503724	5622249	195246	Relf Zone	Core	LdL	
36149	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	373 m	---	503724	5622249	195247	Relf Zone	Core	LdL	
36150	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	374 m	---	503724	5622249	195248	Relf Zone	Core	LdL	
36726	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	377 m	---	503724	5622249	195251	Relf Zone	Core	LdL	
36727	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	380 m	---	503724	5622249	195254	Relf Zone	Core	LdL	
36728	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	397 m	---	503724	5622249	195267	Relf Zone	Core	LdL	
36729	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	520 m	---	503724	5622249	195283	Relf Zone	Core	LdL	
36730	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	557 m	---	503724	5622249	195287	Relf Zone	Core	LdL	
36731	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	563 m	---	503724	5622249	195288	Relf Zone	Core	LdL	
36732	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	590 m	---	503724	5622249	195291	Relf Zone	Core	LdL	
36733	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	602 m	---	503724	5622249	195293	Relf Zone	Core	LdL	
36734	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	531.7 m	---	503724	5622249	n/a	Relf Zone	Core	LdL	
36735	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	240.5 m	---	503724	5622249	n/a	Relf Zone	Core	LdL	Epidote, Cu-rich zone?
108202	Core split grab (partial interval)	Melchett Lake - Relf	10-Oct	SB08-02	20.9 m	---	503724	5622249		Relf Zone	Core	LdL	
108203	Core split grab (partial interval)	Melchett Lake - Relf	10-Oct	SB08-02	699 m	---	503724	5622249	195300	Relf Zone	Core	LdL	

Table 9 Rock and core sampling locations and depth of interval

Sample no.	Description	Project	Date	Hole No.	From (m)	To (m)	Easting	Northing	Old sample no.	Location	Sample type	Geol	Comments
108201	Grab sample from outcrop	Melchett Lake - Relf	10-Oct		---	---	503730	5622255	195000	Relf Zone	rock	GD,LdL	
108204	Display piece from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108205	Assay from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108206	Assay from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108207	Display piece from 108206	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108208	Display piece from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108209	Display piece from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108210	Assay from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108211	Display piece from 108210	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108212	Display piece from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108213	Assay from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108214	Display piece from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108215	Display piece from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108216	Display piece from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108217	Assay from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108218	Display piece from 108217	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108101	Outcrop, trench	Melchett Lake - Nakina 1	10-Oct	trench	---	---	499150	5622275	±15m	Nakina Zone	rock	GD,LdL	
108102	Outcrop, trench	Melchett Lake - Nakina 1	10-Oct	trench	---	---	499150	5622275	±15m	Nakina Zone	rock	GD,LdL	
108103	Outcrop, trench	Melchett Lake - Nakina 1	10-Oct	trench	---	---	499150	5622275	±15m	Nakina Zone	rock	GD,LdL	
108104	Outcrop, trench	Melchett Lake - Nakina 1	10-Oct	trench	---	---	499150	5622275	±15m	Nakina Zone	rock	GD,LdL	
108105	Outcrop, trench	Melchett Lake - Nakina 1	10-Oct	trench	---	---	499150	5622275	±15m	Nakina Zone	rock	GD,LdL	
108106	Outcrop, trench	Melchett Lake - Nakina 1	10-Oct	trench	---	---	499150	5622275	±15m	Nakina Zone	rock	GD,LdL	
108107	sampled old 1987 core (KA)	Melchett Lake - Nakina	11-Oct	Kan2-1	38.71 m	40.23 m	503503	5622308	D-125	Kap Core Store	Core	LdL	dup location of D125
108108	sampled old 1987 core (KA)	Melchett Lake - Nakina	11-Oct	Kan2-1	142 m	---	503503	5622308	D-200 (approx)	Kap Core Store	Core	LdL	
108109	sampled old 1987 core (KA)	Melchett Lake - Nakina	11-Oct	Kan2-1	147 m	---	503503	5622308	D-200 (approx)	Kap Core Store	Core	LdL	Historical high Zn values
108110	sampled old 1987 core (KA)	Melchett Lake - Nakina	11-Oct	Kan2-2	126.84 m	128.34 m	unconfirmed		D-324	Kap Core Store	Core	LdL	re-assay D-324
108111	sampled old 1987 core (KA)	Melchett Lake - Nakina	11-Oct	Kan2-2	169 m	---	unconfirmed		D-352	Kap Core Store	Core	LdL	
108112	sampled old 1987 core (KA)	Melchett Lake - Relf	11-Oct	KAR-1	119 m	---	503728	5622394	B-180	Kap Core Store	Core	LdL	Au, Zn, and Pb anomalies
108113	sampled old 1987 core (KA)	Melchett Lake - Relf	11-Oct	KAR-1	119 m	---	503728	5622394	B-180	Kap Core Store	Core	LdL	Au, Zn, and Pb anomalies (second piece)
108114	sampled old 1987 core (KA)	Melchett Lake - Relf	11-Oct	KAR-1	119 m	---	503728	5622394	B-180	Kap Core Store	Core	LdL	Au, Zn, and Pb anomalies (third piece)
108115	sampled old 1987 core (KA)	Melchett Lake - Relf	11-Oct	KAR-2	165.74 m	166 m	503685	5622237	B-345 (approx)	Kap Core Store	Core	LdL	Zn-Cu anomaly, tried resampling, core missing
108116	sampled old 1987 core (KA)	Melchett Lake - Relf	11-Oct	KAR-3	33.8 m	34.5 m	503584	5622128	B-380	Kap Core Store	Core	LdL	re-assay B-380 (Zn)
108117	sampled old 1987 core (KA)	Melchett Lake - Relf	11-Oct	KAR-3	135 m	---	503584	5622128	B-450 (approx)	Kap Core Store	Core	LdL	re-do B446-450 but core missing
108118	sampled old 1987 core (KA)	Melchett Lake - Relf	11-Oct	KAR-3	99.5 m	100 m	503584	5622128	B-425	Kap Core Store	Core	LdL	re-do of B425 but most of box is missing

Table 9 continued Rock and core sampling locations and depth of interval

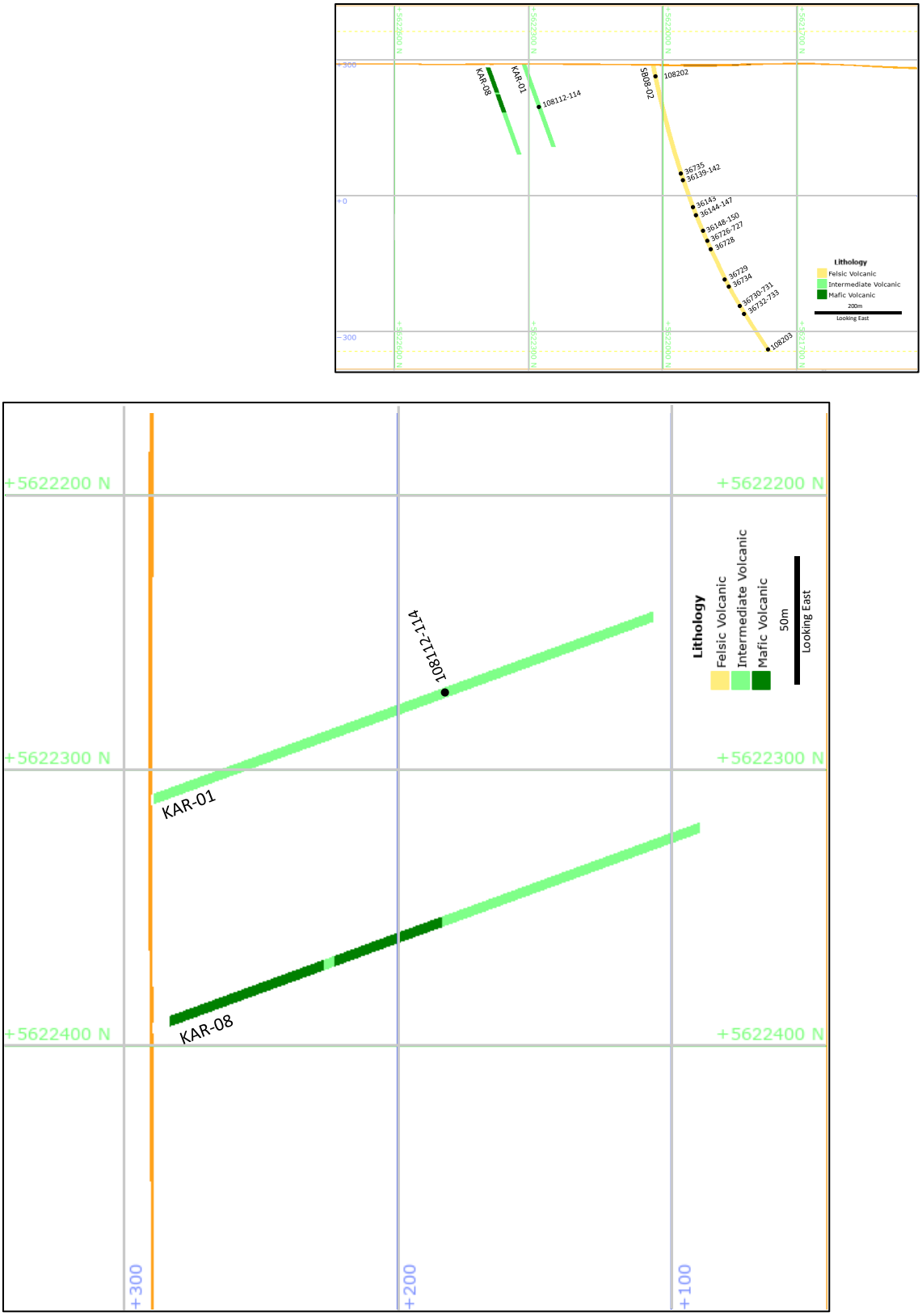

Figure 15. Schematic Section and Sampling Depths KAR-01

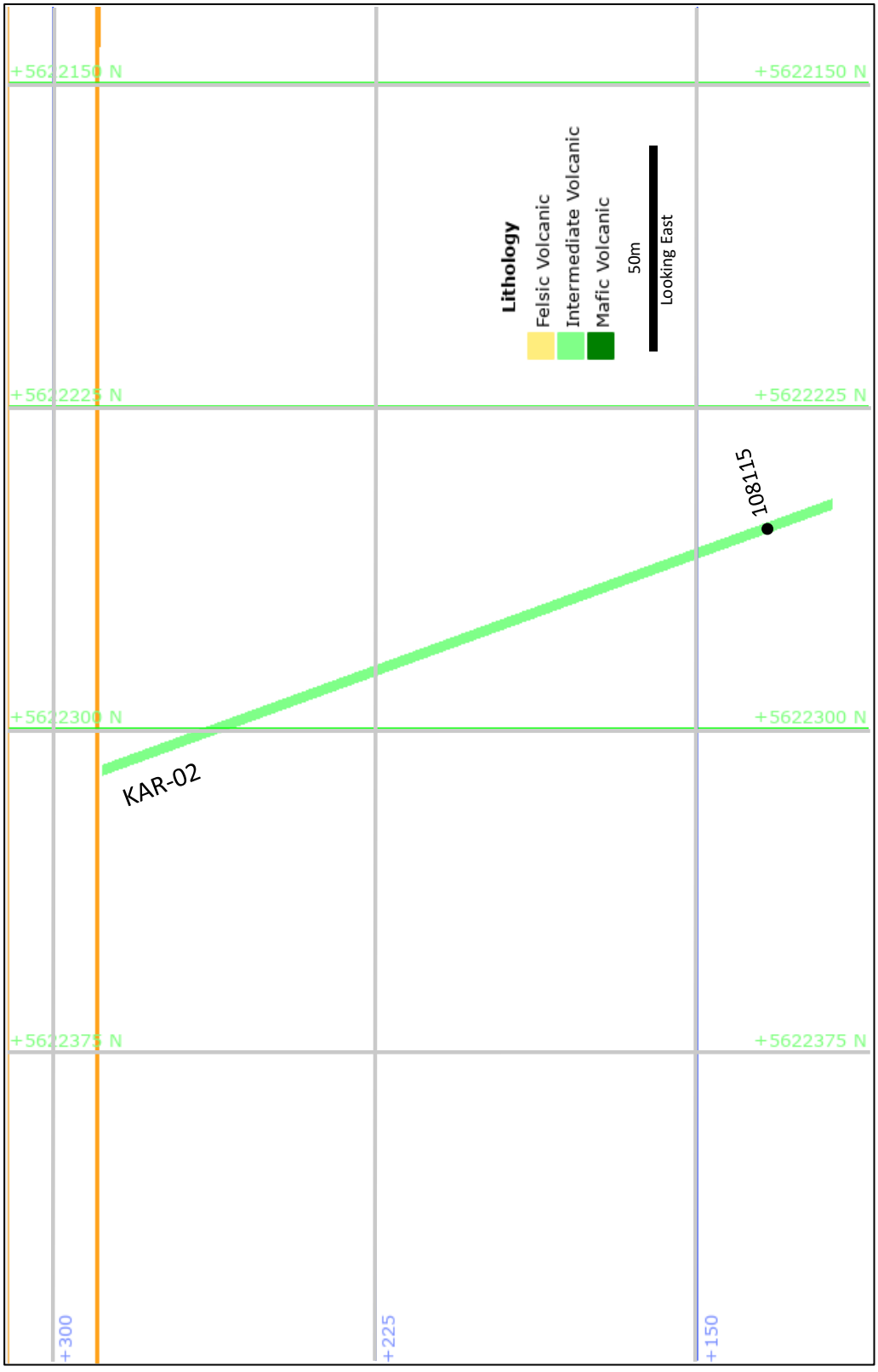

Figure 16. Schematic Section and Sampling Depths KAR-02

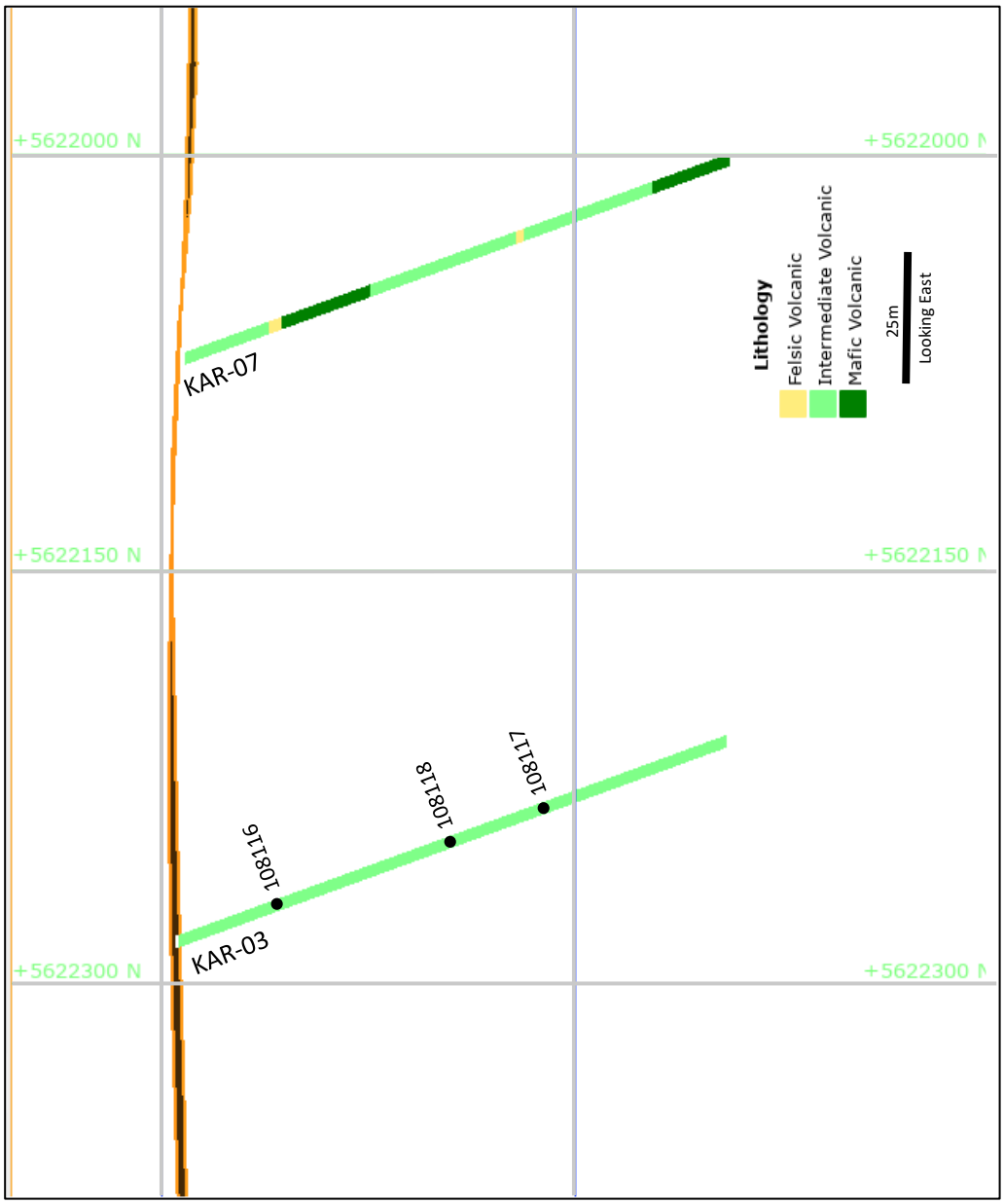

Figure 17. Schematic Section and Sampling Depths KAR-03

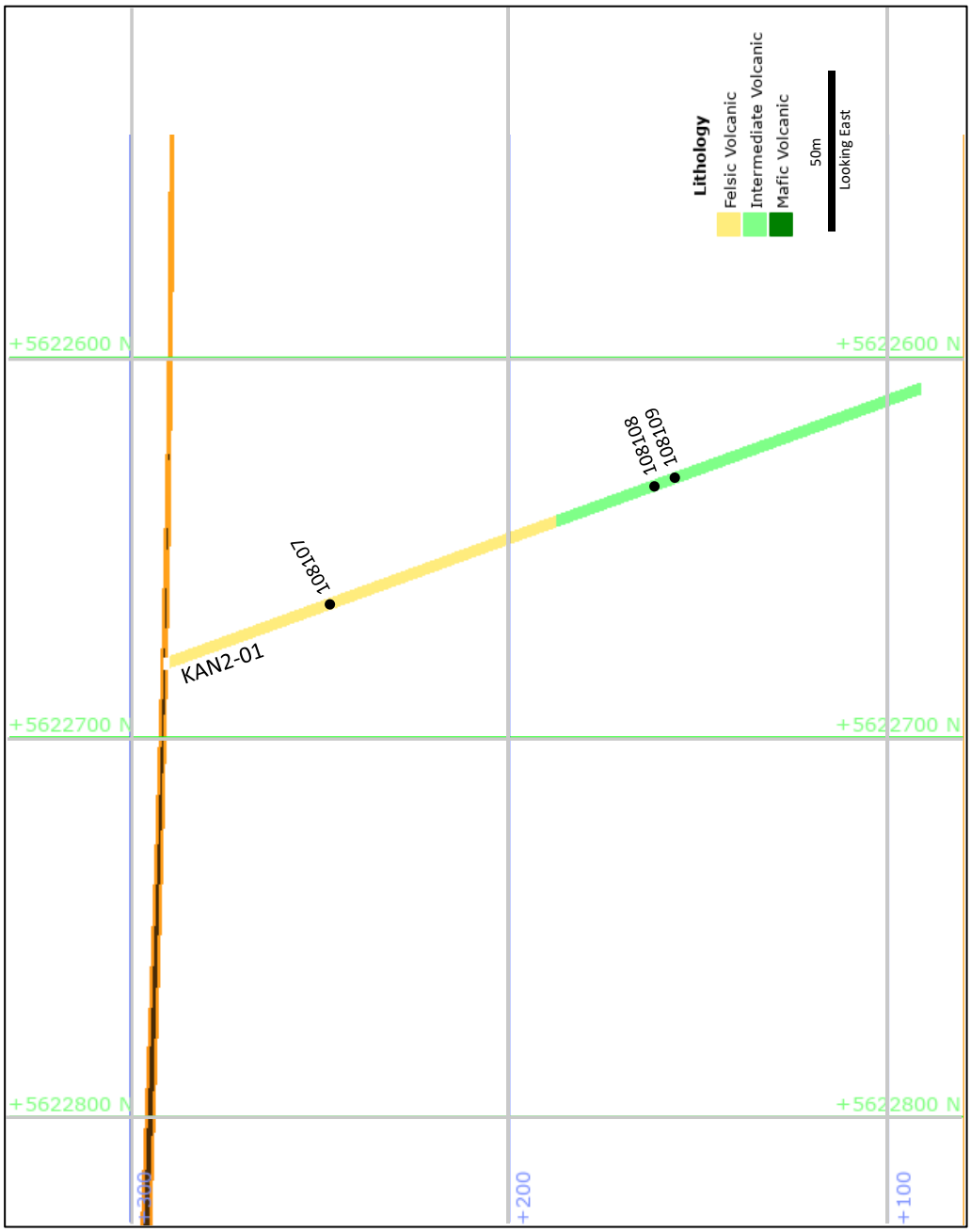

Figure 18. Schematic Section and Sampling Depths KAN 2-1

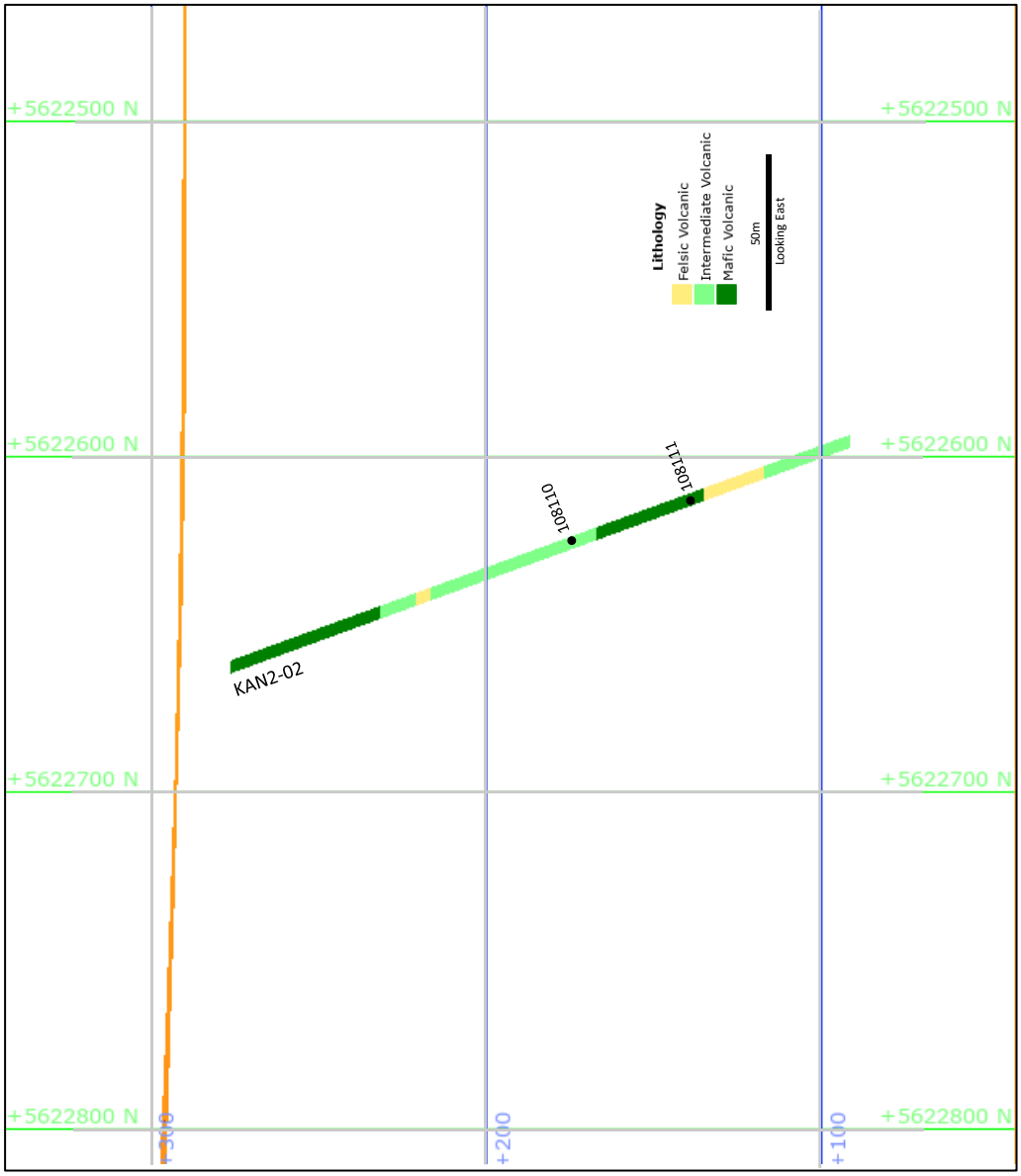

Figure 19. Schematic Section and Sampling Depths KAN 2-2

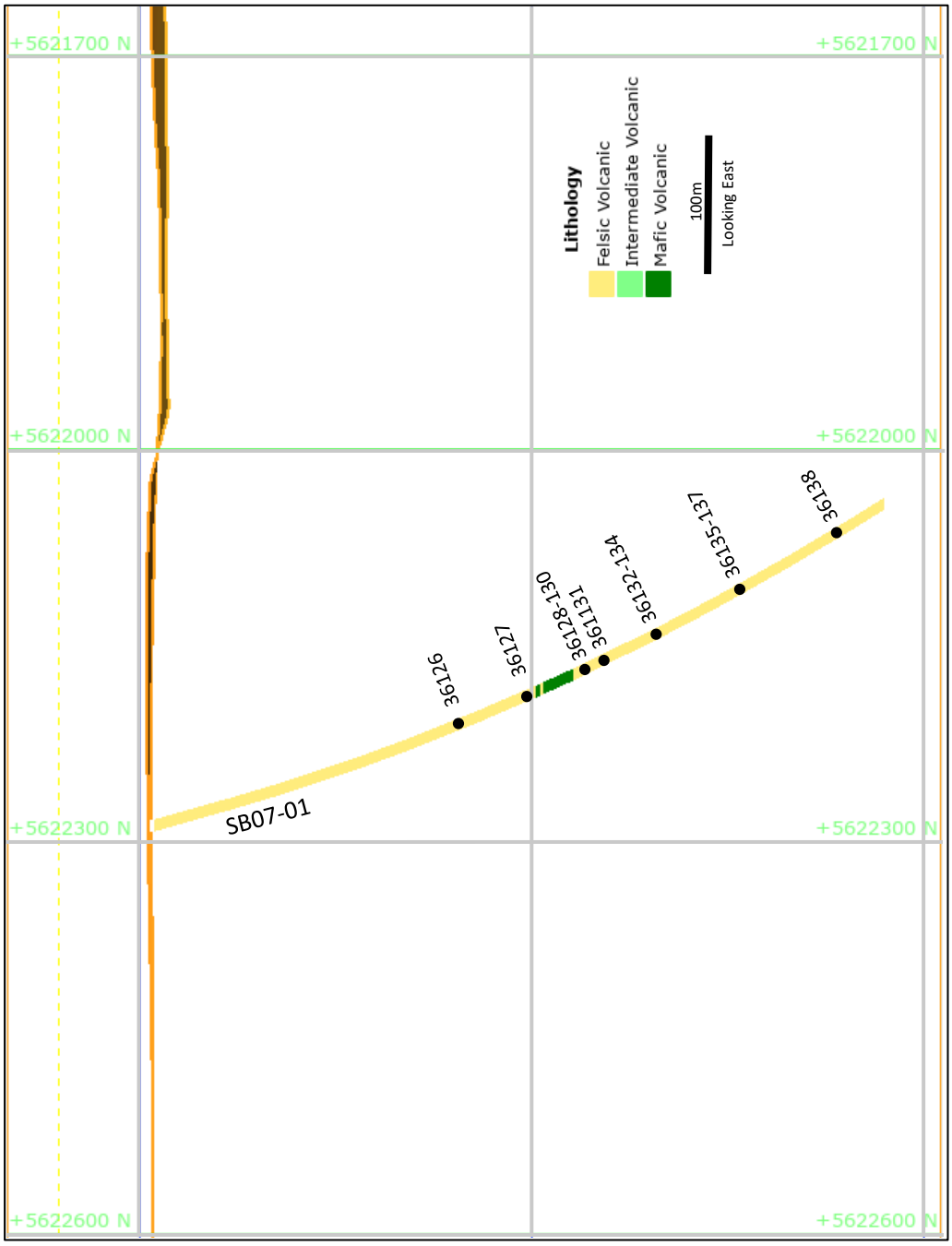

Figure 20. Schematic Section and Sampling Depths KAR-09 (SB-07-01)

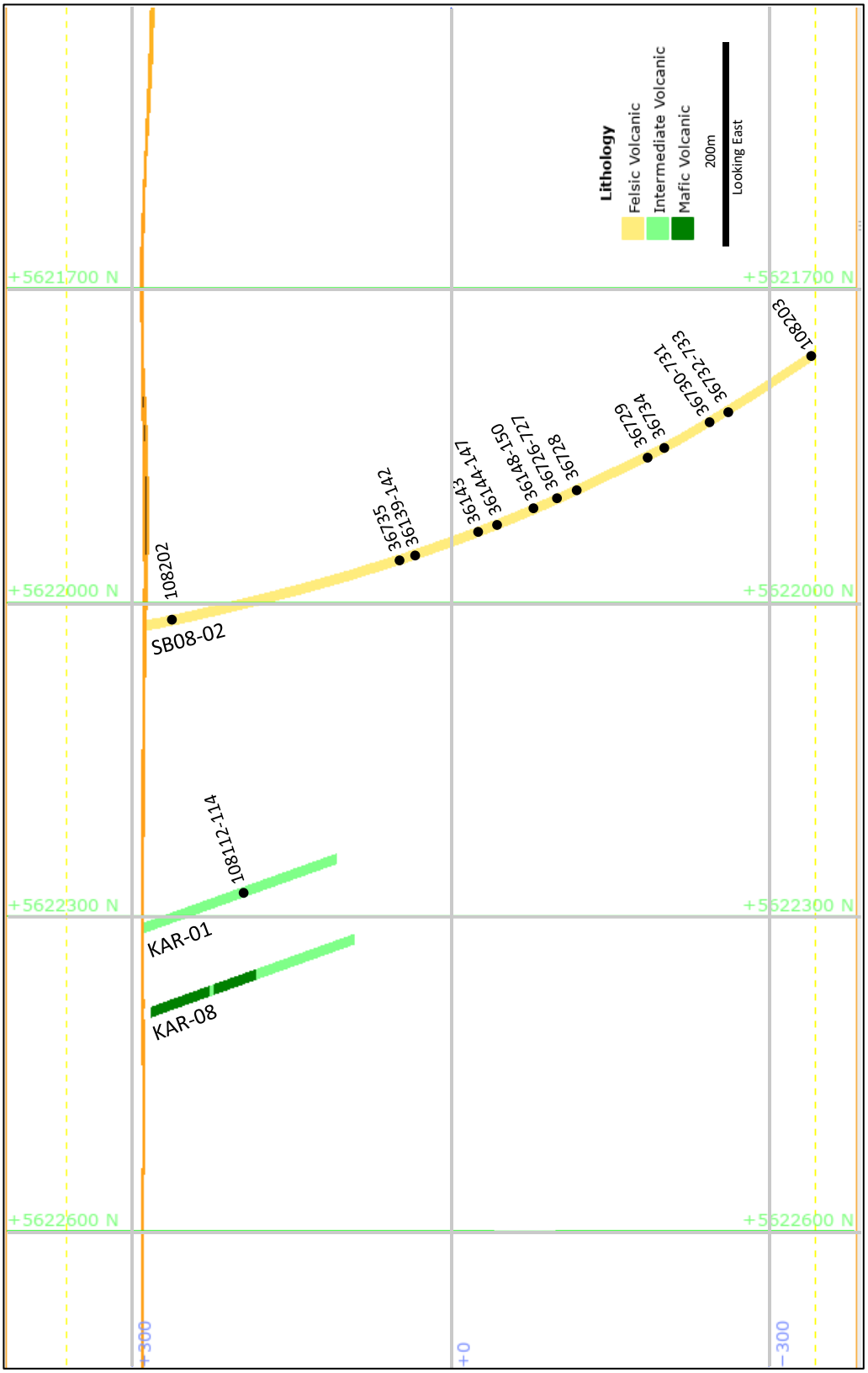

Figure 21. Schematic Section and Sampling Depths SB-08-02

Photo 22. Stripping outcrops in the Nakina Zone

Photo 23. Prospecting in Nakina Zone

The sampling locations for all core, float and outcrop material are documented in Table 9 and Appendix II. Figure 24 displays the core and sampling location maps on the Property.

The complete analytical certificates and QA/QC documents are reported in Appendix III.

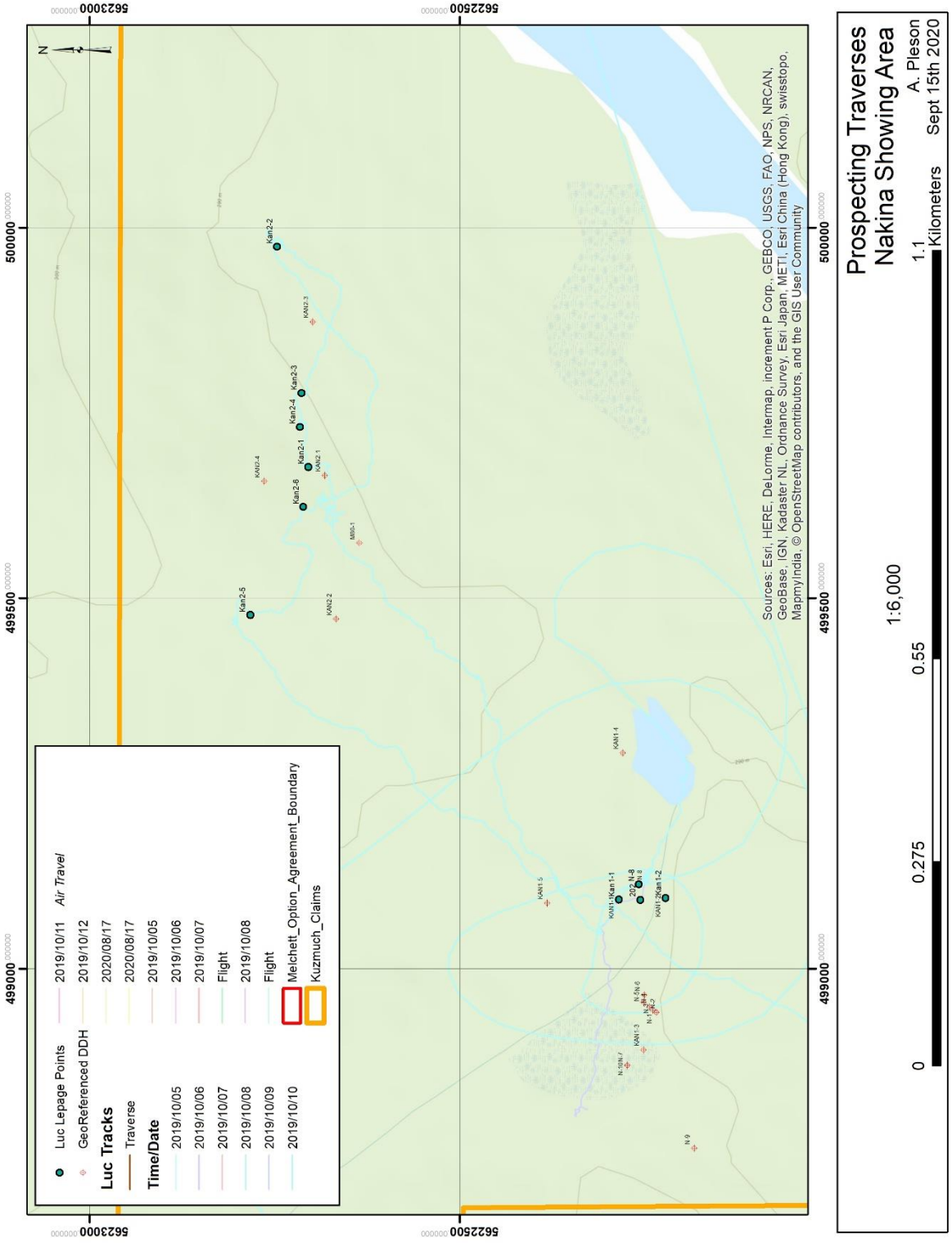

Figure 22. Prospecting Traverses Nakina Zone

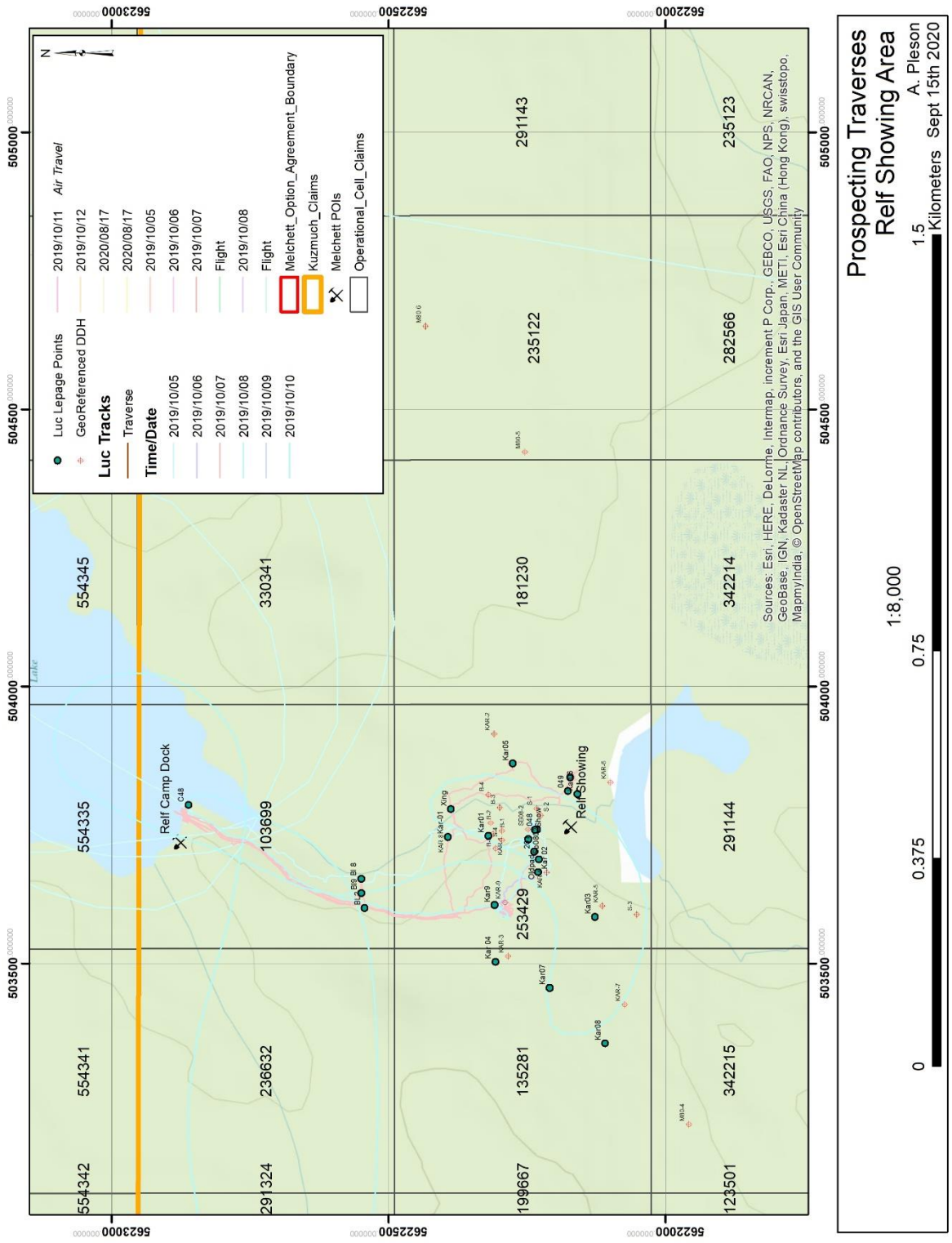

Figure 23. Prospecting Traverses Relf Zone

A total of seventy-two (72) rock and core samples were collected, sixty (60) of which were submitted for assay analysis of Cu, Zn, Pb and multi-element geochemical analysis and Au, and indications of mineral alteration and data verification for comparison with previous exploration.

Precious and base metal assay data were reported for core and rock samples collected from the Nakina and Relf Zones. Zinc values range up to 14.7%, lead to 0.96%, copper to 0.52%, silver to 301 g/t, and gold to 0.737 g/t and clearly represent the polymetallic nature of the mineralization from both targets, particularly the Relf Zone.

A selection of the significant precious and base metal assay data is tabulated below in Table 10.

Sample No. Nakina	Zinc ppm	Lead ppm	Copper ppm	Silver ppm	Gold ppm	Zinc %	Silver g/t
108101	20	10.6	16.5	1.1	0.031		
108102	2	0.4	0.7	0.02	0.002		
108103	3310	892	58.6	1.6	0.088		
108104	>10000	6690	399	4.06	0.383	3.24	
108105	108	63.8	11.8	0.31	0.022		
108106	230	22.5	52	1.04	0.012		
Relf							
108201	203	12.4	51.7	1.02	0.012		
108204	>10000	622	1465	27	0.053	3.98	
108205	>10000	634	1470	27.5	0.03	1.08	
108207	>10000	1185	2250	52.7	0.034	4.42	
108210	>10000	2740	5180	>100	0.737	9.12	131
108211	>10000	863	2050	39.1	0.054	4.89	
108217	>10000	9650	1600	>100	0.119	14.7	301

Table 10. Select Results from 2019 Sampling Program

For comparison and verification with the current samples, at the Nakina l Zone, Nakina Mines reported, in separate samples, 14.85% Zn and 28.8g/t Au from a pyritized felsic volcanic unit. Rock sampling of a pyritized felsic volcanic unit in the Nakina 2 Zone by Kerr Addison returned a value of 15.08g/t Au. Selected grab samples taken from the Relf Zone by Shawmin averaged 13.0% zinc (Zn), 1.2% lead (Pb), 0.26% copper (Cu) and 325g/t silver (Ag); best results received were 19.1% Zn, 2.2% Pb, 0.40% Cu, 565g/t Ag and 1.72g/t gold (Au).

Gold mineralization in the Iron Lake area, which was not examined during the October 2019 field program, contained similar sericite-silica altered felsic metavolcanics with 3-8% pyrite, with lesser chalcopyrite and sphalerite. Grab samples reported 7.7g/t Au, 13.05g/t Au and 13.48g/t Au.

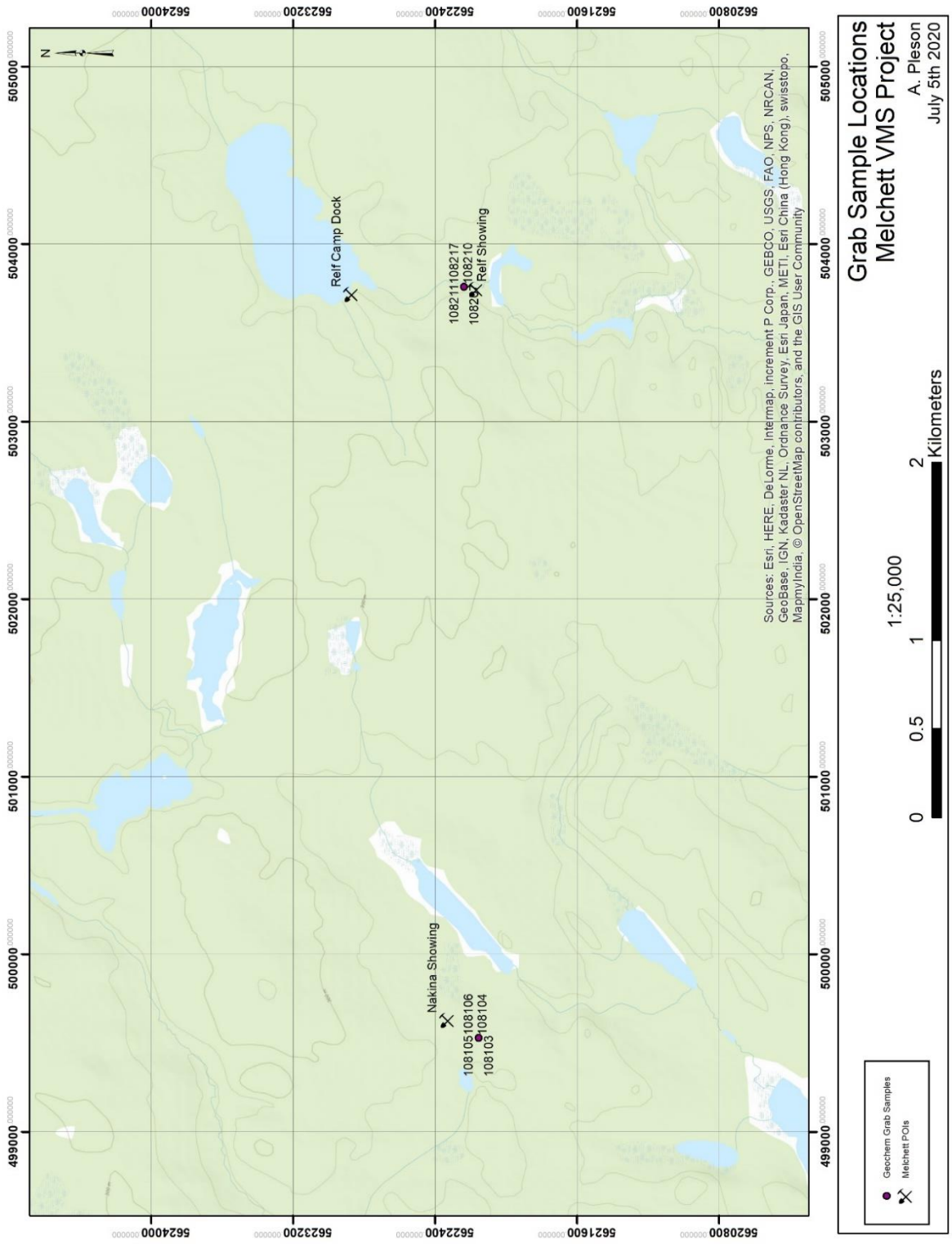

Figure 24. Location Map for 2019 Nakina and Relf Rock Sampling Program

Results of all of the current samples have undergone preliminary geochemical interpretation. The trench and core samples exhibit low alkali content, favourable pathfinder ratios, e.g., Zn/Na, and elevated values of heavy metals, including Te, Bi, Se, Sb, Hg, Cd and In, associated with sphalerite, galena, chalcopyrite and pyrite observed in the rock samples.

The geochemical data from the samples confirm the intense alteration in the principal mineralization with extensive major and minor element mobilization and replacement consistent with hydrothermal and metamorphic effects, the former associated with subsea potassic alteration to a very thick sericite-muscovite-silica dominant package, and accompanied by the expected sodium depletion and correlative high Zn/Na ratios.

Primary copper mineralization appears to be associated with both disseminated sulphides and possible later quartz vein hosted structurally controlled by both metamorphic fabric and remnant stockwork style mineralization. Intense alteration at depth associated with higher copper values, and the Maxwell modelled plates identified in the recently acquired BHTEM data, is consistent with vectoring toward a VMS source.

There was no local evidence observed of the high Mg enrichment associated with a chloritic vent or pipe hosting the core of the mineralization though there are units represented by felsic in mafic (FIM) breccias east of the principal Relf targets observed by the second author which may indicate amphibole-rich matrices after early hydrothermal chlorite. Given the paucity of structural and younging directions in the volcanics, and given the additional in-house interpretation of the 2002 and 2010 magnetic and EM surveys, it is entirely possible that the sequence has been repeated and thickened by folding of an isoclinal nature, and is less likely to be represented as a simple homoclinal section from south to north.

In summary, based on its favourable geological setting indicating surface and subsurface presence of base metal mineralization with gold potential, and the results of current study, it is concluded that the Property is a property of merit and possesses potential for discovery of economic concentration of zinc, copper, silver and gold through further exploration. Good road access, availability of exploration and mining services in the vicinity makes it a worthy mineral exploration target.

10.0 DRILLING

No drilling was done on the Melchett Lake Property by the Vendor. The historical drilling on the Property carried out by various operators is discussed in Sections 6 and 9 of this report.

11.0 SAMPLE PREPARATION, ANALYSES AND SECURITY

Samples were weighed on receipt (WEI-21) and logged into the global tracking system (LOG-22). The samples were crushed to 70% passing 2mm (PREP-31) and a split of up to 250 grams was pulverized to 85% passing 75 micrometres (-200 mesh). The sample pulps were transferred internally to ALS Global's North Vancouver analytical facility for analysis. ALS Global in North

Vancouver, British Columbia, Canada, is a facility certified as ISO 9001:2008 and accredited to ISO/IEC 17025:2005 from the Standards Council of Canada.

The first batch of thirteen rock samples was reported in the first batch. Twenty-four pulps (25gram split) were submitted for analysis by Aqua Regia Digestion followed by Inductively Coupled Plasma Mass Spectrometry (ICP-MS) multi-element analyses (ALS Code AuME-TL43, 51 elements). Thirty-six pulps also were submitted for whole rock oxide, metals and multi-element analysis. Results of forty-seven samples were reported in a second and third batch. Allll sample assays and analyses, and QA/QC documents are reported herein (Appendix III).

All precious and base metal analyses that reach the over-limits of AuME-TL43, ME-MS81d or ME-4ACD81 were re-analyzed with an Ore Grade method. Over-limit Cu (>1%), Pb (>1%), Zn (>1%) and Ag (>100ppm) samples were analyzed by Ore Grade 4 Acid Digestion followed by Ore Grade Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES) for Pb (ALS Code Pb-OG62) and Ag (ALS Code Ag-OG62), and by Atomic Absorption Spectroscopy (AAS) for Cu (ALS Code Cu-AA62) and Zn (ALS Code Zn-AA62). Gold, as required, would be analyzed using 30gram fire assay with Atomic Absorption Spectroscopy (ALS Code Au-AA23). Over-limit Au (>10ppm) would be conducted by 30gram fire assay with Gravimetric finish (ALS Code Au-GRA21).

All precious and base metal analyses that reached the over-limits of AuME-TL43 were re-analyzed with an Ore Grade method. Over-limit Zn (>1%) and Ag (>100ppm) samples were analyzed by Ore Grade Aqua Regia Digestion followed by Ore Grade Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES) for Ag (ALS Code Ag-OG46) and Zn (ALS Code Zn-OG46).

No independent or in-house quality control samples (blanks, standards, duplicates) were inserted into the sample sets. ALS Global conducts its own internal QA/QC program of blanks, standards and duplicates, and the results are provided with the Company sample certificates. The results of the ALS control samples will be reviewed by the Company's QP and evaluated for acceptable tolerances. All sample and pulp rejects will be stored at ALS Global pending full review of the analytical data, and future selection of pulps for independent third-party check analyses, as requisite.

Samples were collected by the Company's QPs (Davison, Lepage), packaged in plastic bags with Tyvek tags and shipped by contract air services to Nakina and, using the QPs' private vehicles, delivered directly to the ALS Global sample preparation facilities in Thunder Bay, Ontario. Photographs of the individual rock and core samples were collected from each sample prior to shipment and all images will be made available on the Company web site in due course.

For the present study, the sample preparation, security and analytical procedures used by the laboratories are considered adequate. No officer, director, employee or associate of the Vendor was involved directly in sample collection, preparation and analysis. Historical grades and assay data used for the present study are taken from MNDM assessment reports, company press releases and OGS geological reports which are deemed reliable. Historical geological descriptions taken from the above-mentioned sources were prepared and approved by professional geologists or engineers are deemed reliable.

12.0 DATA VERIFICATION

The current work was performed to update and verify the multi-kilometre strike length of the known areas of mineralization, broad intervals of mineralization, intense alteration profile similar to well-known polymetallic deposits, and presence of high-grade values of both precious metals and base metals reported from the historical exploration.

One of the authors, GD, was involved on the sampling and exploration programs for three previous groups on the Melchett Lake property, and has spent the bulk of four field seasons on the historical claims prior to participating in the current program on the active claim package.

Samples were collected from the principal known targets by the Company's QPs, packaged in plastic bags with Tyvek tags and shipped by contract air services to Nakina and, using the QPs' private vehicles, delivered directly to the ALS Global sample preparation facilities in Thunder Bay, Ontario.

Photographs of the individual rock and core samples were collected from each sample prior to shipment. Several select rock samples from the Nakina and Relf trenches were split as required, with a representative portion bagged and sealed in packages by the QPs for analysis.

A valid comparison of the samples collected by the author on earlier programs was presented in the previous sections. The authors believe that the contained data provides adequate verification of the historical and current sampling protocols, analytical methodologies and results.

No independent or in-house quality control samples (blanks, standards, duplicates) were inserted into the sample sets. ALS Global conducts its own internal QA/QC program of blanks, standards and duplicates, and the results are provided with the Company sample certificates. The results of the ALS control samples were reviewed by the Company's QP and evaluated and approved for acceptable tolerances.

13.0 MINERAL PROCESSING AND METALLURGICAL TESTING

No mineral processing or metallurgical testing was done on samples from the Property during the current program.

14.0 MINERAL RESOURCE ESTIMATES

No mineral resource estimates were carried out during the current program.

SECTIONS 15 to 22 – NOT APPLICABLE

23.0 ADJACENT PROPERTIES

The project is located within a historically active exploration and mining region north of Geraldton including Copper Lake's Marshall Lake VMS project, Premier Gold's Hardrock-Greenstone Au mine and past-producing Anaconda-Dofasco iron mine and the Skibi Lake and Stewart Lake iron prospects, and along one of the access routes proposed northward from Nakina to the Ring of Fire Ni-Cr-Cu-PGE exploration projects.

The Ontario Geological Survey Exploration Highlights in 2016-2017 reported "The potential of discovery of economic zinc-lead-silver-gold-bearing VMS deposits in the Melchett Lake greenstone belt is high." The key prospects in the belt are shown in Table 10 and Figure 16.

Exploration for VMS deposits in the MLGB has occurred sporadically following the discovery of zinc mineralization at the Nakina Mine prospect (Nakina 1) in 1959.

The Melchett Lake banded iron formation was the focus of iron exploration in the 1960s and hosts two iron resources: Skibi Lake (335 000 000 tons of 26.2% acid-soluble Fe) and Stewart Lake (49 500 000 tons grading 30% Fe; Ontario Geological Survey 2016).

The key historical work on adjacent claims was carried out prior to the year 2000 and the area has been generally quiet in recent years other than the core Melchett Lake claims. The principal regional exploration, since the closures of the iron mining operations, was focused on gold.

Several mineral claims located nearby to the east of the Melchett Property are held by various mining companies and individual prospectors though activity is limited to nil. The closest significant base metal exploration is underway by Copper Lake in the Marshall Lake area approximately 45 kilometres to the southwest, and are located in a separate greenstone belt south of the English River boundary.

The writer has not been able to independently verify the information contained although he has no reason to doubt the accuracy of the descriptions.

Occurrence/Prospect and Location	Mineral Deposit Inventory (MDI) Number	Assay Highlights	Description of Occurrence
Nakina Mines Prospect (Nakina 1 Zone) (499534E, 5622152N)	*MDI42L14SE00005*	14.85% Zn, 0.13% Cu, 0.92 oz/ton Ag and 0.30 oz/ton Au (assay from trench; Nakina Mines Ltd., 1968) 8.25% Zn, 1.08% Pb, 0.76 oz/ton Ag and 0.20 oz/ton Au (Hole N-4, Nakina Mines Ltd., 1968)	Polymetallic pyrite-sphalerite-chalcopyrite-galena mineralization occurs within felsic to intermediate metavolcanic schists within abundant pyrite, sericite and chloritic alteration.
Lun-Kerr Occurrence (Relf Zone) (503908E, 5622130N)	*MDI42L15SW00003*	19.1% Zn, 0.40% Cu, 2.2% Pb and 16.4 oz/ton Ag (assay from trench, Shawmine Explorations Ltd., 1964)	Polymetallic pyrite-sphalerite-chalcopyrite-galena mineralization occurs within muscovite-sericite schists and quartzo-feldspathic mica schists
Aldor Exploration Gold Occurrence (512492E, 5616455N)	*MDI42L10NW00007*	0.52 oz/ton over 25 cm	Sample from quartz vein in a quartz gabbro dike (later interpreted to be a mafic metavolcanic unit)
Campbell Occurrence (506406E, 5618999N; location approximate)	n/a	1.8% Zn, 1.0% Cu and 0.06 oz/ton Au (assay from grab sample)	Disseminated copper, zinc, gold mineralization from pyritic quartz-sericite schist (altered felsic pyroclastic rocks)
Molly Lake Occurrence (508192E, 5617632N; location approximate)	n/a	1.5 % Zn and 0.17 oz/ton Au	Mineralization consists of massive pyrrhotite in a 3 m thick amphibolite schist layer

N.B., oz/ton – ounces per ton.

Table 11. Occurrences and Prospects in the Melchett Belt

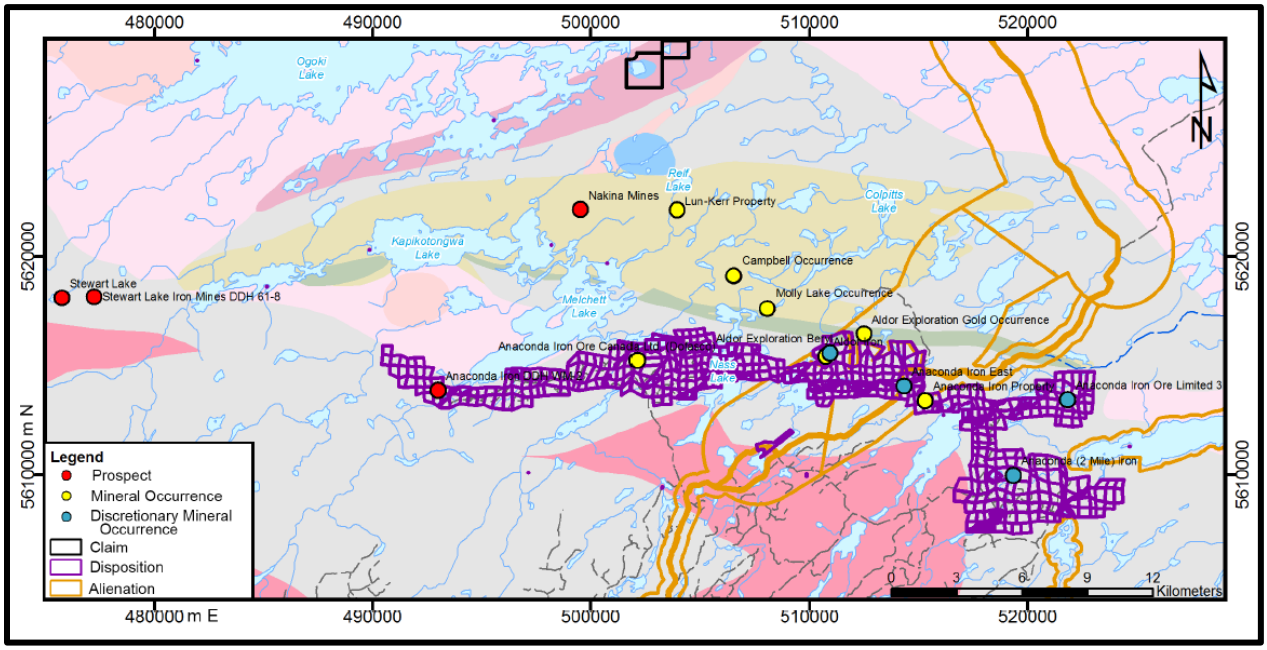

Figure 25. Regional Mineral Occurrences in the Melchett Belt

24.0 OTHER RELEVANT DATA AND INFORMATION

24.1 Environmental and Social Concerns

There is no historical mineral production from the Melchett Property, however there are remnants of a historical camp at Relf Lake which may need a clean up to remove old structures and other camp waste.

The author is not aware of any other environmental liabilities which have accrued from historical exploration activity.

24.2 Aboriginal Issues

Ministry of Northern Development, Mines and Forestry (MNDMF) Ontario encourages claim holders to engage with Aboriginal communities and begin developing a working relationship as early in the mining sequence as possible. Communications with the two local First Nations was conducted and documented prior to the work performed on the Melchett Lake property.

25.0 INTERPRETATION AND CONCLUSIONS

The recent project work was performed to verify aspects of the multi-kilometre strike length of the known areas of mineralization, broad intervals of mineralization, intense alteration profile similar to well-known polymetallic deposits, and presence of high-grade values of both precious metals and base metals reported from the historical exploration.

The sampling approach for this work was to collect grab surface grab and drill core samples from specific areas of the property and diamond drill holes. The primary objective for data validation was to confirm the location of past DDH drill holes. The data presented in this report is based on the current and historical exploration work results, published press releases, assessment and literature reports available from the Vendor, Silver Spruce Resources, Ontario MNDMF, the Geological Survey of Canada, and the Ontario Geological Survey.

A key aspect of the current program was the identification and verification of GPS co-ordinates for the historical drill collars to develop an accurate plan map and 3D Leapfrog model of the target areas for future drilling plans, to confirm the distribution of geochemical anomalies downhole and relative to the surface geological and geochemical mapping, and to confirm the xyz-coordinate location of downhole EM anomalies associated with 2007-2008 drilling.

The GPS survey noted that minor to major differences in the collar position were evident and ranged to more than 225 metres. There are holes which were apparently changed in drilling order and other holes which were not drilled at all. It was apparent that 2D and 3D modelling would inherit significant diversions from the true locations had this survey not been completed prior to re-interpretation of the BHTEM, positioning of the proposed follow-up deep penetrating

geophysical surveys, and Leapfrog modelling for drill holes and Maxwell plates prior to proposed follow-up diamond drilling programs.

The team examined the principal showings and trenches, and drill core at the Relf and Nakina targets along the principal mineralized trend.

Precious and base metal assay data were reported for core and rock samples collected from the Nakina and Relf Zones. Zinc values range up to 14.7%, lead to 0.96%, copper to 0.52%, silver to 301 g/t, and gold to 0.737 g/t and clearly represent the polymetallic nature of the mineralization from both targets, particularly the Relf Zone.

Results of all samples have undergone preliminary geochemical interpretation. The trench and core samples exhibit low alkali content, favourable pathfinder ratios, e.g., Zn/Na, and elevated values of heavy metals, including Te, Bi, Se, Sb, Hg, Cd and In, associated with sphalerite, galena, chalcopyrite and pyrite observed in the rock samples.

The geochemical data confirmed the intense alteration in the principal mineralization with extensive major and minor element mobilization and replacement consistent with hydrothermal and metamorphic effects, the former associated with subsea potassic alteration to a very thick sericite-muscovite-silica dominant package, and accompanied by the expected sodium depletion and correlative high Zn/Na ratios.

Primary copper mineralization appears to be associated with both disseminated sulphides and possible later quartz vein hosted structurally controlled by both metamorphic fabric and remnant stockwork style mineralization. Intense alteration at depth associated with higher copper values, and the Maxwell modelled plates identified in the recently acquired BHTEM data, is consistent with vectoring toward a VMS source. There was no local evidence observed from the current sampling campaign of the high Mg enrichment associated with a chloritic vent or pipe hosting the core of the mineralization though there are units represented by felsic in mafic (FIM) breccias east of the principal Relf targets observed by the second author which may indicate amphibole-rich matrices after early hydrothermal chlorite.

Given the paucity of structural and younging directions in the volcanics, and given the additional in-house interpretation of the 2002 and 2010 magnetic and EM surveys, it is entirely possible that the sequence has been repeated and thickened by folding of an isoclinal nature, and which may prove favourable to the exploration efforts and potential focus of the target mineralization and proposed geophysical and drilling programs.

In summary, based on its promising geological setting indicating surface and subsurface presence of base metal mineralization with gold potential, and the results of current study, it is concluded that the Property is a property of merit and possesses potential for discovery of economic concentration of zinc, copper, silver and gold through further exploration. Good road access, availability of exploration and mining services in the vicinity makes it a worthy mineral exploration target.

26.0 RECOMMENDATIONS

In the Qualified Persons' opinions, the character of the Melchett Property is sufficient to merit the following phased work program, where the second phase is contingent upon the warrant of results from Phase 1. The current project costs are shown in Appendix V.

As per current exploration data analysis, the Property clearly has significant target potential for precious and base metal mineralization, and advanced future programs in two phases are recommended and currently are in the design stage concurrent with updated 2D and 3D GIS compilation, data acquisition from previous regional and property scale geophysics, and geochemical modelling prior to ground programs and drilling. The program costs are estimated to be $300,000 for Phase 1 and $650,000 for Phase 2 as results warrant. The principal costs are centred on deep penetrating geophysics and diamond drilling.

Phase 1 – Budget $300,000

- ✓ Acquisition of 2002 HeliTEM Survey
- ✓ Acquisition of 2008 and 2012 Borehole EM Surveys
- ✓ GIS Compilation of Ground and Airborne Geophysical Surveys
- ✓ Additional Geophysical Survey – Deep Penetrating IP such as Titan or ZTEM
- ✓ Detailed Geological and Structural Maps of Principal Targets, Trenches
- ✓ Geological Evaluation of Top Indicators for Structural Correlation with Geophysically Derived Lineaments and Axial Reversals
- ✓ Target Analysis
- ✓ Ground Location of Proposed Drill Targets

Phase 2 – Budget $650,000

- ✓ Drilling to test shallow extent along strike of geochemical targets in Relf Zone (500m)
- ✓ Drilling to test Matthews modelling under Relf Zone (1,500m)
- ✓ Drilling to test depth and along strike targets in Nakina Zone (500m)
- ✓ Drilling to test other geochemical targets such as Central Zone (500m)
- ✓ Geological logging, chemical analysis
- ✓ 2D and 3D Leapfrog modelling

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28.0 SIGNATURE PAGE

The report signatures are provided on the authors' certificates.

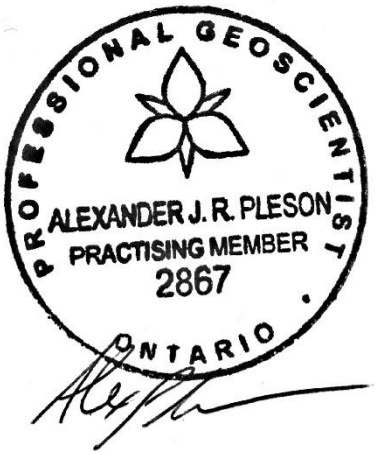
29.0 CERTIFICATE OF AUTHOR

I, Alexander Pleson, P.Geo., as an author of this report regarding the exploration project in the Thunder Bay Mining District, Northwestern Ontario, Canada; do hereby certify that:

1. I am a consulting geologist at Pleson Geoscience of Nipigon, ON, CA P0T 2J0
2. I have B.Sc. degree in Geology from Lakehead University.
3. I am registered as a Professional Geologist in Ontario (License #: 2867).
4. I have been practicing as a professional since 2017, and have 11 years of experience in mineral exploration.
5. The exploration work was carried out under my supervision and I was on site during mobilization of the 2019 project activities.
6. I hold a direct interest in the mining cells identified in this report.

Dated: August 1, 2020, October 22, 2020

Signed and Sealed:



CERTIFICATE OF QUALIFICATION

I, James Gregory Davison, residing at 921-7th Street, Montrose, British Columbia, Canada, V0G 1P0 do hereby certify, regarding the exploration project in the Thunder Bay Mining District, Northwestern Ontario, Canada, that:

1. I am a Professional Geologist registered with the Engineers and Professional Geologists of British Columbia. I meet the requirements of a "Qualified Person" as outlined in National Instrument 43-101.

2. I graduated from Dalhousie University in Halifax, Nova Scotia, Canada in 1979 with an Honours B.Sc. in Geology and from Brock University in St. Catharines, Ontario, Canada in 1984 with a M.Sc. in Geological Sciences.

3. I have practiced my profession continuously since 1979. I am currently a self-employed contract exploration geologist, mineralogist, process mineralogist and managing director of Davison and Associates.

4. I have been actively involved in base metal and gold exploration, mine development and mining operations since 1977 in Canada, United States of America, Mexico and several countries in the Americas, Africa and Europe.

5. I acted in the role of Director with respect to the Silver Spruce Resources' 2019 exploration project. I hold no direct interest in the Property claims.

6. I am a co-author of this report and it is based on data supplied to me by Pleson Geosciences, Silver Spruce Resources Inc. and information collected from previously published sources.

7. I have been actively involved in base metal and gold exploration, mine development and mining operations since 1977 in Canada, United States of America, Mexico and several countries in the Americas, Africa and Europe.

8. Neither I nor any affiliated entity of mine, have earned the majority of our income during the preceding three years from Pleson Geosciences or any associated or affiliated companies.

9. I have worked on the Melchett Lake property from May 1983 to August 1983, May 1984 to August 1984, May 1999 to January 2002, and October 2019 and I have been involved with the initial collection or field preparation of the samples that are the focus of this report.

10. I have read the NI 43-101 and Form 43-101F1 and have prepared the technical report in conformity with generally accepted Canadian mining industry practice.

11. I am not aware of any material fact or material change with respect to the subject matter of the technical report which has not been reflected in the technical report, the omission to disclose which makes the technical report misleading.

12. This report may be utilized for the development of the property provided that no portion is used out of context in such a manner as to convey a meaning that differs from that set out in the whole.

13. Consent is hereby given to Pleson Geosciences and Silver Spruce Resources to use or reproduce this report or any part of it for the purposes of development of the property, or related to the raising of funds.

Montrose, BC
August 1, 2020,
Parksville, BC
October 22, 2020

James Gregory Davison, M.Sc., P. Geo.

Appendix I. Summary Daily Logs

Date	Location	Personnel	Daily log
Thu 03-Oct-19		Luc	Fly to Thunder Bay from Toronto and Drive to Geraldton ON to stay at a B&B
Fri 04-Oct-19		Alex, Luc	Day in Geraldton for preparation, printed several assessment reports (AR), performed the download of several related reports from the MNDM data server to gather DDH location coordinates and PDF copies of historical assessment reports and drilling reports.
Sat 05-Oct-19		Alex, Luc, Billy, Kevin	Travel to Leuenberger Air Services, Fly to Relf Lake (1st camp) from Nakina with Leuenberger Air services, by single Otter, and setup camp with Alex Pleson. Start re-opening the trail to the two most recent drill holes, find core, examined the location and condition of the stored core. Cut helipad for Greg/Ben visit, found one historical drill hole casing on our hike back to camp.
Sun 06-Oct-19		Luc, Billy, Kevin	Alex Pleson flies out in the AM while our two helpers from Longlac arrive to help with the remaining work for the week. Spent time to highlight high grade zones to examine using the database and started pulling the boxes out. Resampled several sections for verification and examined rock type
Mon 07-Oct-19		Luc, Billy, Kevin	Continued sampling and examining the 2007-2008 core north of camp and started prospecting outcrops in the area while searching for drill collars using both the GPS coordinates from the Ministry's database and the ones provided by the current owners. After failing to find some of the historical drill holes, the ground team recalculated possible new GPS coordinates using control points acquired from historical cut lines found in the area of the most recent (2007-2008) drilling. Several notches, markers, and stumps were found on aging trees in the bush defining the old cut grid. GPS coordinates to be verified were re-calculated and a new layout was prepared for ground verification.
Tue 08-Oct-19		Luc, Billy, Kevin	Hiking/travel through the bush from point to point to confirm the location of historical drill holes using the recalculated GPS coordinates. Numerous drill collars were found and new updated GPS coordinates were acquired at each drill site. Prospecting outcrops on-route did not yield any new findings.
Wed 09-Oct-19		Luc, Billy, Kevin	Plane arrived 9:30am. Took down camp and relocated to the west of the property at a cabin on Kapikotongwa Lake. Setup camp and cleanup the core cache area of fallen trees and debris. Started examining historic core (1986-87) but several sections were missing and labels are absent. We proceeded to extract the sections of high interest from the assay database in order to find them again in core. Many of these sections were completely missing from the core boxes as the second half of the core might have been taken for re-sampling / re-analysis at some point in the past. Spent evening listing fringe zone and secondary zones of mineralisation that might have not been sampled the first time around.
Thu 10-Oct-19		Luc, Billy, Kevin, Greg, Ben	Assisted by Greg and Ben, prospected both Nakina and Relf showings. Samples sent to Nakina by helicopter. Stayed in the bush to prospect and verify location of drill collars. Same GPS grid coordinates were used to estimate location of historic drill holes. Grid coordinates for each hole acquired directly from daily drill logs and not from compilations.

Fri 11-Oct-19		Luc, Billy, Kevin	Sampled and examined core from storage area to compare with rocks found in outcrop in the field. Sections were collected for analyses, most of the core where old samples were taken was missing (whole core taken?). Samples taken were both for confirmation of old results and new analyses.
Sat 12-Oct-19		Luc	Fly out to Nakina and drive to Thunder Bay, deliver samples to laboratory before boarding late day flight to Toronto.

Appendix II. 2019 Sample Spreadsheet

Sample no.	Description	Project	Date	Hole No.	From (m)	To (m)	Easting	Northing	Old sample no.	Location	Sample type	Geol	Comments
36126	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	238 m	---	503604	5622307	445578	Relf Zone	Core	LdL	
36127	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	311 m	---	503604	5622307	445586	Relf Zone	Core	LdL	
36128	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	360 m	---	503604	5622307	445593	Relf Zone	Core	LdL	
36129	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	365 m	---	503604	5622307	445594	Relf Zone	Core	LdL	
36130	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	367 m	---	503604	5622307	445597	Relf Zone	Core	LdL	
36131	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	384 m	---	503604	5622307	445598	Relf Zone	Core	LdL	
36132	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	463 m	---	503604	5622307	445609	Relf Zone	Core	LdL	
36133	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	464 m	---	503604	5622307	445610	Relf Zone	Core	LdL	
36134	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	477 m	---	503604	5622307	445614	Relf Zone	Core	LdL	
36135	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	537 m	---	503604	5622307	445621	Relf Zone	Core	LdL	
36136	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	541 m	---	503604	5622307	445625	Relf Zone	Core	LdL	
36137	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	548 m	---	503604	5622307	445632	Relf Zone	Core	LdL	
36138	Core split grab (partial interval)	Melchett Lake - Relf	06-Oct	SB07-01	582 m	---	503604	5622307	445640	Relf Zone	Core	LdL	
36139	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	269 m	---	503724	5622249	195230	Relf Zone	Core	LdL	
36140	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	270 m	---	503724	5622249	195231	Relf Zone	Core	LdL	
36141	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	272 m	---	503724	5622249	195233	Relf Zone	Core	LdL	
36142	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	273 m	---	503724	5622249	195234	Relf Zone	Core	LdL	
36143	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	310 m	---	503724	5622249	195238	Relf Zone	Core	LdL	
36144	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	328 m	---	503724	5622249	195240	Relf Zone	Core	LdL	
36145	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	337 m	---	503724	5622249	195241	Relf Zone	Core	LdL	
36146	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	345 m	---	503724	5622249	195242	Relf Zone	Core	LdL	
36147	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	346 m	---	503724	5622249	195243	Relf Zone	Core	LdL	
36148	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	371 m	---	503724	5622249	195246	Relf Zone	Core	LdL	
36149	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	373 m	---	503724	5622249	195247	Relf Zone	Core	LdL	
36150	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	374 m	---	503724	5622249	195248	Relf Zone	Core	LdL	
36726	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	377 m	---	503724	5622249	195251	Relf Zone	Core	LdL	
36727	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	380 m	---	503724	5622249	195254	Relf Zone	Core	LdL	
36728	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	397 m	---	503724	5622249	195267	Relf Zone	Core	LdL	
36729	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	520 m	---	503724	5622249	195283	Relf Zone	Core	LdL	
36730	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	557 m	---	503724	5622249	195287	Relf Zone	Core	LdL	
36731	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	563 m	---	503724	5622249	195288	Relf Zone	Core	LdL	
36732	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	590 m	---	503724	5622249	195291	Relf Zone	Core	LdL	
36733	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	602 m	---	503724	5622249	195293	Relf Zone	Core	LdL	
36734	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	531.7 m	---	503724	5622249	n/a	Relf Zone	Core	LdL	
36735	Core split grab (partial interval)	Melchett Lake - Relf	07-Oct	SB08-02	240.5 m	---	503724	5622249	n/a	Relf Zone	Core	LdL	Epidote, Cu-rich zone?
108202	Core split grab (partial interval)	Melchett Lake - Relf	10-Oct	SB08-02	20.9 m	---	503724	5622249		Relf Zone	Core	LdL	
108203	Core split grab (partial interval)	Melchett Lake - Relf	10-Oct	SB08-02	699 m	---	503724	5622249	195300	Relf Zone	Core	LdL	

Sample no.	Description	Project	Date	Hole No.	From (m)	To (m)	Easting	Northing	Old sample no.	Location	Sample type	Geol	Comments
108201	Grab sample from outcrop	Melchett Lake - Relf	10-Oct		---	---	503730	5622255	195000	Relf Zone	rock	GD,LdL	
108204	Display piece from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108205	Assay from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108206	Assay from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108207	Display piece from 108206	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108208	Display piece from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108209	Display piece from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108210	Assay from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108211	Display piece from 108210	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108212	Display piece from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108213	Assay from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108214	Display piece from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108215	Display piece from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108216	Display piece from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108217	Assay from trench	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108218	Display piece from 108217	Melchett Lake - Relf	10-Oct	trench	---	---	503740	5622250	±15m	Relf Zone	rock	GD,LdL	
108101	Outcrop, trench	Melchett Lake - Nakina 1	10-Oct	trench	---	---	499150	5622275	±15m	Nakina Zone	rock	GD,LdL	
108102	Outcrop, trench	Melchett Lake - Nakina 1	10-Oct	trench	---	---	499150	5622275	±15m	Nakina Zone	rock	GD,LdL	
108103	Outcrop, trench	Melchett Lake - Nakina 1	10-Oct	trench	---	---	499150	5622275	±15m	Nakina Zone	rock	GD,LdL	
108104	Outcrop, trench	Melchett Lake - Nakina 1	10-Oct	trench	---	---	499150	5622275	±15m	Nakina Zone	rock	GD,LdL	
108105	Outcrop, trench	Melchett Lake - Nakina 1	10-Oct	trench	---	---	499150	5622275	±15m	Nakina Zone	rock	GD,LdL	
108106	Outcrop, trench	Melchett Lake - Nakina 1	10-Oct	trench	---	---	499150	5622275	±15m	Nakina Zone	rock	GD,LdL	
108107	sampled old 1987 core (KA)	Melchett Lake - Nakina	11-Oct	Kan2-1	38.71 m	40.23 m	503503	5622308	D-125	Kap Core Store	Core	LdL	dup location of D125
108108	sampled old 1987 core (KA)	Melchett Lake - Nakina	11-Oct	Kan2-1	142 m	---	503503	5622308	D-200 (approx)	Kap Core Store	Core	LdL	
108109	sampled old 1987 core (KA)	Melchett Lake - Nakina	11-Oct	Kan2-1	147 m	---	503503	5622308	D-200 (approx)	Kap Core Store	Core	LdL	Historical high Zn values
108110	sampled old 1987 core (KA)	Melchett Lake - Nakina	11-Oct	Kan2-2	126.84 m	128.34 m	unconfirmed		D-324	Kap Core Store	Core	LdL	re-assay D-324
108111	sampled old 1987 core (KA)	Melchett Lake - Nakina	11-Oct	Kan2-2	169 m	---	unconfirmed		D-352	Kap Core Store	Core	LdL	
108112	sampled old 1987 core (KA)	Melchett Lake - Relf	11-Oct	KAR-1	119 m	---	503728	5622394	B-180	Kap Core Store	Core	LdL	Au, Zn, and Pb anomalies
108113	sampled old 1987 core (KA)	Melchett Lake - Relf	11-Oct	KAR-1	119 m	---	503728	5622394	B-180	Kap Core Store	Core	LdL	Au, Zn, and Pb anomalies (second piece)
108114	sampled old 1987 core (KA)	Melchett Lake - Relf	11-Oct	KAR-1	119 m	---	503728	5622394	B-180	Kap Core Store	Core	LdL	Au, Zn, and Pb anomalies (third piece)
108115	sampled old 1987 core (KA)	Melchett Lake - Relf	11-Oct	KAR-2	165.74 m	166 m	503685	5622237	B-345 (approx)	Kap Core Store	Core	LdL	Zn-Cu anomaly, tried resampling, core missing
108116	sampled old 1987 core (KA)	Melchett Lake - Relf	11-Oct	KAR-3	33.8 m	34.5 m	503584	5622128	B-380	Kap Core Store	Core	LdL	re-assay B-380 (Zn)
108117	sampled old 1987 core (KA)	Melchett Lake - Relf	11-Oct	KAR-3	135 m	---	503584	5622128	B-450 (approx)	Kap Core Store	Core	LdL	re-do B446-450 but core missing
108118	sampled old 1987 core (KA)	Melchett Lake - Relf	11-Oct	KAR-3	99.5 m	100 m	503584	5622128	B-425	Kap Core Store	Core	LdL	re-do of B425 but most of box is missing

Appendix III. Analytical Certificates

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

CERTIFICATE TB19256426

Project: MEL

This report is for 13 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 11-OCT-2019.

The following have access to data associated with this certificate:

KARL BOLTZ	GREG DAVISON	BRIAN PENNEY

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
Ag-OG46	Ore Grade Ag - Aqua Regia	
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Zn-OG46	Ore Grade Zn - Aqua Regia	
AuME-TL43	25g Trace Au + Multi Element PKG	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

CERTIFICATE OF ANALYSIS TB19256426

Sample Description	Method	WEI-21	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
108101		0.92	0.031	1.10	1.48	15.4	10	10	0.17	0.22	0.84	0.02	27.4	11.7	15	0.11
108102		0.69	0.002	0.02	0.38	0.3	10	<10	0.09	0.01	0.50	0.01	1.65	0.3	11	<0.05
108103		0.71	0.088	1.60	1.71	81.0	<10	<10	0.19	0.02	0.58	13.80	18.00	22.6	32	0.20
108104		0.89	0.383	4.06	1.81	76.2	<10	10	0.08	0.05	0.24	128.5	8.68	16.6	30	0.11
108105		0.59	0.022	0.31	1.16	9.4	10	30	0.09	0.04	0.22	0.41	5.93	10.1	23	0.08
108106		1.04	0.012	1.04	1.54	1.9	10	20	0.11	0.62	0.53	0.72	21.7	21.0	28	0.61
108201		1.58	0.012	1.02	1.55	1.7	<10	20	0.11	0.62	0.55	0.54	21.4	19.9	28	0.59
108204		1.41	0.053	27.0	0.88	3.8	<10	10	0.16	30.9	0.20	156.0	14.50	50.0	11	0.13
108205		2.34	0.030	27.5	1.25	3.4	10	20	0.22	32.6	0.36	53.6	13.70	21.5	16	0.16
108207		0.40	0.034	52.7	0.61	2.6	10	10	0.09	63.5	0.11	178.0	5.53	27.5	8	0.10
108210		1.01	0.737	>100	0.78	5.7	10	<10	0.15	101.5	0.21	315	8.21	63.9	8	0.14
108211		1.22	0.054	39.1	0.91	3.9	10	10	0.14	45.8	0.12	186.5	13.05	31.9	11	0.13
108217		0.77	0.119	>100	0.90	6.7	10	10	0.21	526	0.25	567	8.18	68.0	9	0.11

***** See Appendix Page for comments regarding this certificate *****

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

CERTIFICATE OF ANALYSIS TB19256426

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOD	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
108101		16.5	4.61	6.67	0.06	0.30	<0.01	0.025	0.12	13.1	24.7	0.67	339	0.36	0.03	0.33
108102		0.7	0.39	1.09	<0.05	<0.02	<0.01	0.005	0.01	0.6	1.9	0.03	58	0.16	0.01	<0.05
108103		58.6	10.55	5.23	0.05	0.32	0.03	0.118	0.11	8.5	19.9	1.68	705	0.35	<0.01	0.32
108104		399	7.90	8.19	0.09	0.15	0.28	0.863	0.05	4.4	19.8	1.72	889	0.32	<0.01	0.14
108105		11.8	3.72	3.77	<0.05	0.25	<0.01	0.019	0.10	2.6	23.0	0.85	400	0.65	<0.01	0.16
108106		52.0	4.57	6.62	0.05	0.30	0.01	0.039	0.86	9.2	21.4	1.08	757	1.96	0.04	<0.05
108201		51.7	4.57	6.40	0.05	0.32	0.01	0.039	0.85	9.2	21.5	1.09	765	2.23	0.05	<0.05
108204		1465	4.68	2.69	0.06	0.16	4.27	0.305	0.14	5.9	9.3	0.45	413	1.75	0.01	0.10
108205		1470	4.50	3.58	<0.05	0.15	1.41	0.110	0.16	5.7	15.8	0.68	485	1.05	0.01	0.09
108207		2250	5.10	2.51	0.06	0.27	6.49	0.438	0.12	2.0	5.6	0.24	341	3.09	<0.01	<0.05
108210		5180	7.53	3.62	0.11	0.18	24.4	3.20	0.11	3.4	7.9	0.35	701	0.37	0.01	0.22
108211		2050	4.59	2.95	0.05	0.14	5.48	0.415	0.13	5.7	11.3	0.48	460	2.57	0.01	0.11
108217		1600	6.40	3.88	0.12	0.22	20.5	1.800	0.11	3.5	10.3	0.48	1050	0.22	0.01	0.18

***** See Appendix Page for comments regarding this certificate *****

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

CERTIFICATE OF ANALYSIS TB19256426

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
108101		19.7	1510	10.6	3.1	<0.001	1.85	0.23	4.8	3.5	0.7	7.5	<0.01	0.64	5.5	0.123
108102		0.8	10	0.4	0.2	<0.001	0.01	<0.05	0.2	<0.2	0.2	1.2	<0.01	0.01	<0.2	<0.005
108103		51.2	300	892	2.7	<0.001	>10.0	0.61	3.3	1.3	1.3	2.7	<0.01	0.02	2.2	0.091
108104		30.7	390	6690	1.0	<0.001	6.33	0.80	3.1	29.8	2.0	1.4	<0.01	0.09	1.2	0.070
108105		32.1	510	63.8	1.9	<0.001	1.88	0.08	1.1	0.9	0.3	1.2	<0.01	0.01	2.9	0.070
108106		33.3	510	22.5	31.9	0.001	2.10	0.05	8.2	1.7	0.6	4.2	<0.01	0.19	1.8	0.157
108201		32.8	520	12.4	30.7	0.001	2.10	0.05	8.1	1.7	0.6	4.3	<0.01	0.18	1.9	0.158
108204		11.9	480	622	3.9	0.001	4.98	0.46	1.1	15.1	0.3	1.8	<0.01	1.03	1.3	0.044
108205		10.7	560	634	4.6	0.001	2.65	0.25	1.8	8.8	0.4	2.3	<0.01	0.85	1.6	0.070
108207		5.7	300	1185	3.0	<0.001	5.25	0.49	0.7	16.3	0.4	0.9	<0.01	1.53	1.4	0.010
108210		9.7	360	2740	3.6	<0.001	7.80	1.17	1.0	35.0	0.6	2.2	<0.01	2.37	1.1	0.053
108211		6.3	400	863	3.9	0.001	4.34	0.39	1.2	13.9	0.3	2.7	<0.01	1.03	1.4	0.042
108217		10.0	240	9650	3.6	<0.001	8.15	4.41	1.3	43.5	0.5	1.5	<0.01	7.93	1.2	0.052

***** See Appendix Page for comments regarding this certificate *****

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

CERTIFICATE OF ANALYSIS TB19256426

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	Ag-OG46	Zn-OG46
	Analyte	Tl	U	V	W	Y	Zn	Zr	Ag	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.05	1	0.05	0.05	2	0.5	1	0.001
108101		0.02	0.54	42	0.35	13.00	20	12.3		
108102		<0.02	<0.05	3	<0.05	1.04	2	<0.5		
108103		0.03	0.24	25	0.06	6.47	3310	13.6		
108104		0.06	0.10	25	<0.05	2.84	>10000	6.0		3.24
108105		0.02	0.23	15	0.11	5.10	108	10.1		
108106		0.25	0.26	67	0.08	5.87	230	12.6		
108201		0.25	0.27	67	0.08	5.91	203	13.0		
108204		0.05	0.18	12	0.13	3.67	>10000	6.3		3.98
108205		0.06	0.22	20	0.17	4.48	>10000	6.6		1.080
108207		0.05	0.15	9	0.07	2.84	>10000	11.5		4.42
108210		0.12	0.11	13	0.14	3.02	>10000	7.3	131	9.12
108211		0.06	0.19	13	0.15	2.95	>10000	5.7		4.89
108217		0.30	0.15	14	0.10	2.71	>10000	8.5	301	14.70

***** See Appendix Page for comments regarding this certificate *****

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

CERTIFICATE OF ANALYSIS TB19256426

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-22	PUL-31
	PUL-QC	SPL-21	WEI-21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag-OG46	AuME-TL43	ME-OG46	Zn-OG46

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

CERTIFICATE TB19267123

Project: MEL

This report is for 11 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 22-OCT-2019.

The following have access to data associated with this certificate:

KARL BOLTZ	GREG DAVISON	BRIAN PENNEY

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Zn-OG46	Ore Grade Zn - Aqua Regia	
AuME-TL43	25g Trace Au + Multi Element PKG	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

CERTIFICATE OF ANALYSIS TB19267123

Sample Description	Method	WEI-21	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
108107		0.56	0.143	1.49	2.92	32.0	10	10	0.30	1.18	1.20	1.45	10.85	19.1	25	0.67
108108		0.13	0.065	1.90	1.57	4.4	10	50	0.51	0.43	2.16	0.03	11.15	21.3	19	0.87
108109		0.38	0.024	0.78	2.94	36.8	10	20	0.37	0.42	1.29	5.99	13.20	14.3	30	0.69
108110		0.55	0.031	1.18	3.18	23.4	10	20	0.36	0.12	0.64	0.10	9.30	12.7	21	0.82
108111		0.34	0.136	4.85	0.63	26.2	10	10	0.22	0.54	0.13	0.29	8.67	15.9	6	0.39
108112		0.26	0.051	15.95	2.74	5.6	10	20	0.23	22.5	1.08	37.6	13.55	41.2	23	1.07
108113		0.13	0.002	0.26	4.91	4.8	10	180	0.54	0.49	1.99	0.21	21.8	15.6	40	0.95
108115		0.26	0.004	0.11	3.58	1.4	10	170	0.40	0.07	1.54	2.47	30.6	13.4	19	1.79
108116		0.29	0.010	0.89	4.07	1.7	10	40	0.23	0.08	1.15	3.69	21.4	18.7	44	1.22
108117		0.26	0.002	0.42	3.27	2.5	10	80	0.17	0.16	0.47	0.16	11.25	19.5	29	4.67
108118		0.17	0.005	0.42	4.38	5.9	10	130	0.45	0.11	1.85	0.09	26.8	19.3	42	1.79

***** See Appendix Page for comments regarding this certificate *****

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

CERTIFICATE OF ANALYSIS TB19267123

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOD	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
108107		114.0	5.52	7.96	0.07	0.31	0.09	0.055	1.05	5.7	11.9	1.37	714	1.50	0.16	0.16
108108		240	2.54	4.08	<0.05	0.04	<0.01	0.030	0.36	5.3	19.7	1.15	342	0.74	0.03	<0.05
108109		27.6	3.95	10.10	0.06	0.17	0.10	0.142	1.11	5.6	20.2	2.15	585	1.81	0.12	<0.05
108110		37.3	4.17	9.67	0.05	0.22	<0.01	0.024	1.61	4.3	20.7	2.45	749	1.34	0.11	0.08
108111		10.0	3.93	1.64	<0.05	0.40	0.02	0.017	0.35	4.1	6.1	0.41	80	1.48	0.01	0.06
108112		333	6.74	8.04	0.08	0.15	1.99	0.038	0.72	5.9	43.1	1.56	751	1.26	0.06	0.10
108113		19.8	4.20	14.05	0.07	0.05	0.02	0.033	1.76	10.4	49.0	1.75	707	1.62	0.29	<0.05
108115		17.2	3.45	11.35	0.07	0.07	0.01	0.033	1.63	14.4	49.3	1.58	725	0.98	0.05	0.13
108116		46.9	4.60	12.70	0.07	0.06	0.02	0.037	2.24	8.9	38.0	2.64	1100	0.70	0.12	0.06
108117		55.6	4.45	13.00	0.08	0.11	<0.01	0.035	2.25	5.0	53.2	2.41	880	1.12	0.06	0.08
108118		79.0	3.93	13.20	0.07	0.08	0.01	0.024	1.97	12.7	46.9	1.85	1200	0.67	0.07	0.10

***** See Appendix Page for comments regarding this certificate *****

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

CERTIFICATE OF ANALYSIS TB19267123

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
108107		39.7	510	19.1	33.3	<0.001	5.52	0.07	4.8	4.5	0.4	19.7	<0.01	1.78	0.9	0.108
108108		40.4	950	2.8	10.2	<0.001	1.31	0.05	3.7	1.2	0.2	16.0	<0.01	2.40	0.5	0.006
108109		34.1	500	27.9	26.7	<0.001	1.92	0.13	9.1	4.0	0.9	25.0	<0.01	0.28	0.7	0.113
108110		22.5	480	9.4	48.8	0.001	3.06	0.07	6.4	3.7	0.6	17.9	<0.01	0.61	0.7	0.147
108111		32.2	430	5.5	11.3	0.003	4.49	0.18	0.9	3.8	<0.2	3.8	<0.01	6.70	1.2	0.018
108112		31.0	660	3150	26.6	<0.001	4.46	1.69	4.6	11.3	0.6	14.1	<0.01	1.07	1.4	0.118
108113		36.3	880	78.8	47.7	<0.001	0.31	0.07	9.4	0.3	0.9	36.3	<0.01	0.03	1.7	0.219
108115		20.7	570	14.3	65.1	<0.001	0.22	0.09	5.9	<0.2	0.5	25.5	<0.01	0.03	2.5	0.220
108116		39.0	530	76.4	52.0	<0.001	0.91	0.07	10.3	0.3	0.9	13.5	0.01	0.03	0.8	0.243
108117		35.8	540	9.1	55.6	<0.001	0.63	<0.05	11.7	0.3	1.0	4.5	<0.01	0.06	0.8	0.280
108118		38.2	600	37.0	62.1	<0.001	0.65	0.08	10.4	0.6	0.9	36.1	<0.01	0.02	1.9	0.257

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BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

CERTIFICATE OF ANALYSIS TB19267123

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	Zn-OG46
	Analyte	Tl	U	V	W	Y	Zn	Zr	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.05	1	0.05	0.05	2	0.5	0.001
108107		0.30	0.23	32	0.07	4.36	408	12.0	
108108		0.07	0.08	21	<0.05	6.06	17	2.3	
108109		0.16	0.18	57	3.89	4.65	1320	8.6	
108110		0.32	0.18	46	0.08	4.00	83	8.5	
108111		0.10	0.24	7	0.06	3.39	98	17.1	
108112		0.33	0.28	32	0.15	6.01	>10000	6.7	1.180
108113		0.45	0.28	68	0.11	6.26	151	3.0	
108115		0.77	0.29	51	0.43	8.93	286	3.5	
108116		0.63	0.12	74	0.14	4.68	1060	3.4	
108117		0.52	0.16	84	0.09	3.34	248	3.6	
108118		0.62	0.19	72	0.32	6.77	143	4.8	

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Finalized Date: 5-NOV-2019
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Project: MEL

CERTIFICATE OF ANALYSIS TB19267123

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	LOG-22	PUL-31	PUL-QC
	SPL-21	WEI-21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
	AuME-TL43	ME-OG46	Zn-OG46

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To: **SILVER SPRUCE RESOURCES**
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MONTROSE BC V0G 1P0

Finalized Date: 19-NOV-2019
This copy reported on
20-NOV-2019
Account: SILSPRE

CERTIFICATE TB19267127

Project: MEL

This report is for 36 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 22-OCT-2019.

The following have access to data associated with this certificate:

KARL BOLTZ	GREG DAVISON	BRIAN PENNEY

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-4ACD81	Base Metals by 4-acid dig.	ICP-AES
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
ME-MS81	Lithium Borate Fusion ICP-MS	ICP-MS
TOT-ICP06	Total Calculation for ICP06	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

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Finalized Date: 19-NOV-2019
Account: SILSPRE

Project: MEL

CERTIFICATE OF ANALYSIS TB19267127

Sample Description	Method	WEI-21	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
	Analyte	Recvd Wt.	Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd	Hf	Ho	La	Lu	Nb
	Units	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.02	0.5	0.1	10	0.01	0.05	0.03	0.03	0.1	0.05	0.2	0.01	0.1	0.01	0.2
108202		0.27	353	41.9	50	0.94	2.95	1.74	0.91	17.0	3.47	3.5	0.64	20.0	0.29	5.4
36126		0.25	225	25.4	50	1.41	3.08	1.67	0.57	16.1	2.88	3.3	0.57	11.9	0.28	5.8
36127		0.43	1320	27.9	60	1.79	2.42	1.33	0.68	15.0	2.50	3.5	0.48	13.8	0.24	5.4
36128		0.41	891	57.7	70	1.15	5.76	3.30	1.53	28.9	5.85	6.7	1.18	28.7	0.51	5.8
36129		0.24	528	38.7	40	0.58	4.03	2.47	0.93	18.2	3.94	4.3	0.87	18.6	0.35	7.1
36130		0.50	474	38.0	50	0.72	4.08	2.44	1.05	18.8	4.10	4.4	0.83	18.4	0.37	7.5
36131		0.71	655	33.9	50	0.86	3.28	1.90	0.71	17.0	3.63	4.0	0.70	16.5	0.29	6.7
36132		0.28	603	28.1	30	2.05	2.61	1.70	0.59	15.7	2.73	3.6	0.51	14.3	0.25	5.1
36133		0.27	761	28.1	30	1.69	2.37	1.44	0.54	15.9	2.68	3.6	0.49	14.2	0.23	4.8
36134		0.42	572	30.4	30	1.19	2.68	1.52	0.83	18.4	2.92	3.9	0.56	15.3	0.22	5.4
36135		0.44	546	32.3	40	1.23	2.97	1.81	0.85	16.2	3.08	3.6	0.56	17.0	0.25	5.0
36136		0.47	260	29.7	40	0.75	2.81	1.58	0.69	16.7	2.73	4.0	0.52	14.9	0.24	5.4
36137		0.39	472	38.6	50	1.32	3.28	1.76	0.99	19.3	3.61	4.2	0.64	18.8	0.26	6.5
36138		0.71	528	28.1	60	1.20	2.15	1.49	0.57	17.4	2.75	3.5	0.47	14.1	0.25	5.0
36139		0.37	990	26.6	30	1.10	2.34	1.47	0.58	15.0	2.59	3.5	0.47	12.0	0.23	5.3
36140		0.32	1900	39.3	40	1.55	3.16	1.98	0.65	22.9	3.47	4.4	0.67	19.6	0.31	7.5
36141		0.46	1530	34.2	30	2.21	3.09	1.84	0.80	18.9	3.26	4.0	0.64	17.9	0.31	6.3
36142		0.48	1315	33.5	30	2.06	2.86	1.72	0.67	19.2	3.00	4.3	0.57	16.4	0.27	6.5
36143		0.40	643	35.9	30	0.46	2.85	1.68	0.82	19.6	3.17	3.6	0.58	17.5	0.24	6.9
36144		0.33	956	34.6	40	1.31	2.94	1.74	0.86	16.9	3.18	3.8	0.59	16.8	0.22	5.9
36145		0.39	598	32.4	40	0.93	2.56	1.42	0.75	15.8	3.02	3.2	0.53	16.0	0.26	5.3
36146		0.20	1425	31.2	50	1.54	3.01	1.56	0.84	17.2	3.00	3.2	0.57	15.4	0.26	5.4
36147		0.17	733	23.3	40	2.28	1.93	1.25	0.47	15.1	2.04	2.8	0.40	11.2	0.20	4.6
36148		0.30	1380	29.4	40	2.93	2.86	1.66	0.69	17.2	2.84	3.6	0.56	14.3	0.25	5.4
36149		0.39	790	29.1	50	1.97	2.83	1.70	0.73	17.5	2.87	3.6	0.59	14.0	0.27	5.7
36150		0.43	1040	32.3	50	2.03	2.88	1.77	0.78	17.7	3.15	3.7	0.63	15.8	0.27	5.8
36726		0.34	793	30.3	50	1.68	2.70	1.64	0.83	17.5	2.84	3.7	0.56	14.8	0.26	5.8
36727		0.21	1195	32.8	50	1.26	3.05	1.96	0.85	19.5	3.25	3.8	0.66	15.8	0.31	6.1
36728		0.45	461	30.5	60	1.04	2.63	1.56	0.74	17.4	3.11	3.5	0.58	14.9	0.25	5.5
36729		0.22	556	29.0	40	1.29	2.48	1.48	0.58	17.8	2.77	4.0	0.54	14.4	0.23	5.5
36730		0.17	306	32.4	40	2.79	3.14	1.84	0.68	17.7	3.08	3.8	0.66	16.3	0.28	5.4
36731		0.22	127.0	24.8	30	2.06	2.16	1.43	0.60	14.6	2.52	2.9	0.50	12.5	0.23	4.2
36732		0.24	309	20.6	50	34.3	2.08	1.19	0.39	13.8	2.02	2.9	0.40	10.1	0.17	6.5
36733		0.49	136.0	29.1	30	0.63	2.76	1.85	0.67	16.6	2.68	3.8	0.63	14.1	0.25	5.0
36734		0.30	462	23.8	30	2.28	1.66	0.93	0.59	17.0	2.26	2.8	0.35	11.6	0.14	3.9
36735		0.35	190.0	24.7	50	0.64	4.23	3.91	0.88	24.1	3.45	2.6	1.09	11.7	0.66	3.2

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BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 19-NOV-2019
Account: SILSPRE

Project: MEL

CERTIFICATE OF ANALYSIS TB19267127

Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
	Analyte	Nd	Pr	Rb	Sm	Sn	Sr	Ta	Tb	Th	Tm	U	V	W	Y	Yb
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	0.03	0.2	0.03	1	0.1	0.1	0.01	0.05	0.01	0.05	5	1	0.1	0.03
108202		18.7	5.29	27.4	3.86	1	128.0	0.5	0.49	3.10	0.28	0.76	72	3	16.8	1.88
36126		12.6	3.26	73.4	2.97	1	39.7	0.5	0.42	1.83	0.27	0.49	81	1	15.5	1.64
36127		12.3	3.43	75.9	2.81	1	76.8	0.6	0.37	3.24	0.19	0.81	75	2	13.1	1.39
36128		26.7	7.29	95.5	6.43	8	54.7	0.7	0.95	5.02	0.50	1.27	132	2	31.2	3.32
36129		18.0	4.88	49.4	4.36	1	40.5	0.9	0.63	3.25	0.35	0.80	73	1	22.0	2.28
36130		18.4	4.75	52.7	4.50	1	44.6	0.7	0.66	3.39	0.34	0.81	77	1	22.5	2.27
36131		15.8	4.18	66.2	3.55	1	44.1	0.6	0.54	2.81	0.31	0.69	68	1	18.9	2.02
36132		12.1	3.35	54.0	2.94	1	38.2	0.5	0.44	2.97	0.22	0.72	60	2	14.5	1.54
36133		12.8	3.56	50.1	3.04	1	25.2	0.5	0.38	3.10	0.20	0.73	58	2	13.4	1.44
36134		13.9	3.63	53.6	2.99	1	75.5	0.5	0.47	3.20	0.23	0.81	69	1	14.4	1.64
36135		14.3	3.86	31.2	3.45	1	56.3	0.5	0.51	3.00	0.25	0.72	64	1	17.4	1.74
36136		12.9	3.57	21.7	2.99	1	36.1	0.5	0.43	3.17	0.22	0.78	67	1	14.3	1.52
36137		17.8	4.89	37.8	3.88	1	59.6	0.6	0.59	3.32	0.27	0.83	98	2	17.4	1.87
36138		13.0	3.37	36.7	2.98	1	19.0	0.5	0.36	2.81	0.21	0.76	76	1	12.0	1.56
36139		12.6	3.34	61.9	2.65	1	54.1	0.5	0.38	3.69	0.22	0.93	64	1	13.1	1.43
36140		17.0	4.68	87.2	3.49	3	38.2	0.7	0.53	4.95	0.27	1.19	95	2	17.8	2.08
36141		15.0	4.07	87.9	3.28	1	40.2	0.6	0.52	4.39	0.30	1.09	77	1	17.4	2.06
36142		15.1	4.02	90.8	3.29	1	40.6	0.6	0.46	4.40	0.23	1.11	80	1	15.5	1.67
36143		17.1	4.47	48.6	3.68	1	31.1	0.5	0.46	3.41	0.22	0.87	91	1	14.6	1.56
36144		16.0	4.28	39.7	3.38	1	123.5	0.5	0.48	3.34	0.22	0.82	91	1	15.5	1.54
36145		14.8	3.92	45.2	3.03	1	56.2	0.5	0.45	2.54	0.22	0.66	69	1	14.2	1.60
36146		14.7	3.81	36.1	3.19	1	63.8	0.5	0.48	2.73	0.24	0.67	91	1	15.9	1.68
36147		10.4	2.71	50.4	2.40	1	39.9	0.4	0.32	2.45	0.17	0.62	62	2	10.3	1.20
36148		13.3	3.34	69.2	2.97	1	58.8	0.5	0.45	2.82	0.25	0.74	73	1	14.8	1.52
36149		12.8	3.39	72.4	3.02	1	58.7	0.5	0.48	2.87	0.26	0.77	81	2	15.9	1.76
36150		14.4	3.70	81.5	3.21	1	66.4	0.5	0.53	3.06	0.25	0.76	82	1	16.1	1.69
36726		13.9	3.54	67.8	3.11	1	63.8	0.5	0.44	2.92	0.23	0.72	85	1	14.8	1.65
36727		15.0	3.79	44.7	3.25	1	74.2	0.5	0.56	3.12	0.29	0.81	91	1	17.6	1.83
36728		13.6	3.46	48.7	2.98	1	28.1	0.5	0.48	2.93	0.24	0.73	83	5	14.5	1.78
36729		12.9	3.26	47.9	2.89	2	16.5	0.4	0.40	2.95	0.21	0.73	71	2	13.2	1.54
36730		14.2	3.72	53.8	3.21	1	52.0	0.4	0.54	3.16	0.29	0.82	70	1	16.7	1.73
36731		11.4	2.84	51.1	2.55	1	33.0	0.4	0.36	2.48	0.22	0.56	56	1	12.8	1.46
36732		9.3	2.38	65.6	2.02	1	14.7	5.0	0.34	2.04	0.16	1.82	58	<1	10.9	1.19
36733		12.9	3.33	16.1	2.94	1	42.0	0.5	0.45	2.92	0.28	0.72	70	1	15.8	1.74
36734		10.2	2.69	51.8	2.33	1	50.9	0.4	0.31	2.25	0.13	0.46	62	<1	8.7	0.85
36735		12.2	2.83	57.0	3.06	1	85.4	0.3	0.61	2.12	0.64	0.91	79	<1	30.0	4.65

***** See Appendix Page for comments regarding this certificate *****

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 19-NOV-2019
Account: SILSPRE

Project: MEL

CERTIFICATE OF ANALYSIS TB19267127

Sample Description	Method	ME-MS81	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	OA-GRA05
	Analyte	Zr	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	P2O5	SrO	BaO	LOI
	Units	ppm	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	LOD	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	0.01	0.01	0.01	0.01	0.01	0.01
108202		139	64.1	14.55	6.72	3.75	4.28	2.46	1.43	0.006	0.44	0.25	0.10	0.02	0.04	2.10
36126		147	65.5	13.35	6.67	1.45	5.21	0.88	4.02	0.006	0.52	0.23	0.13	<0.01	0.03	1.63
36127		146	67.8	13.90	5.87	2.02	2.60	1.56	4.86	0.008	0.48	0.27	0.10	0.01	0.15	1.35
36128		278	48.2	22.4	8.52	3.26	4.88	0.99	5.41	0.008	0.81	0.39	0.16	0.01	0.10	4.12
36129		185	65.8	14.90	5.68	2.36	3.43	2.38	2.79	0.005	0.52	0.30	0.14	0.01	0.06	0.91
36130		183	66.6	15.45	5.58	2.58	4.00	1.62	2.92	0.006	0.55	0.29	0.15	0.01	0.05	0.82
36131		165	67.5	13.50	7.11	1.57	2.06	0.54	4.45	0.006	0.49	0.43	0.14	<0.01	0.08	2.62
36132		147	68.1	13.70	7.77	1.25	2.87	1.09	3.16	0.004	0.45	0.31	0.10	<0.01	0.07	1.55
36133		147	68.7	13.40	7.76	1.34	3.03	0.96	3.14	0.004	0.44	0.37	0.11	0.01	0.09	1.00
36134		159	67.4	14.85	4.68	3.49	1.82	1.87	3.32	0.004	0.48	0.30	0.11	0.01	0.07	2.09
36135		153	66.4	13.40	6.60	3.56	2.27	2.15	1.90	0.005	0.44	0.26	0.09	0.01	0.06	2.97
36136		160	67.4	14.30	4.42	3.61	1.46	4.17	1.20	0.004	0.46	0.16	0.12	0.01	0.03	2.95
36137		175	67.5	15.45	7.60	2.27	2.42	1.46	2.19	0.006	0.64	0.33	0.15	0.01	0.05	1.22
36138		144	70.1	14.10	8.73	0.50	2.02	0.15	1.79	0.007	0.50	0.11	0.12	<0.01	0.06	2.38
36139		143	71.7	11.85	5.55	2.20	3.05	0.37	3.79	0.004	0.44	0.27	0.10	0.01	0.11	1.87
36140		183	62.6	16.55	6.49	0.98	2.56	0.34	5.74	0.004	0.60	0.15	0.13	0.01	0.21	2.88
36141		168	66.5	14.55	5.61	1.24	3.51	0.40	4.81	0.004	0.54	0.29	0.11	0.01	0.17	2.16
36142		178	64.7	14.35	6.25	1.20	3.83	0.36	4.89	0.004	0.53	0.23	0.12	<0.01	0.15	2.37
36143		151	65.3	14.90	7.24	1.21	2.70	1.06	3.70	0.003	0.61	0.34	0.14	0.01	0.07	2.62
36144		154	65.0	14.60	5.64	3.39	2.85	2.74	2.36	0.005	0.58	0.32	0.13	0.02	0.11	2.25
36145		133	68.3	12.30	6.88	1.79	2.25	1.51	3.09	0.005	0.49	0.27	0.12	0.01	0.07	2.41
36146		141	66.4	14.15	7.21	1.94	3.04	2.50	1.98	0.006	0.59	0.46	0.14	0.01	0.16	1.39
36147		115	62.0	11.15	12.65	1.30	3.17	0.77	2.67	0.005	0.42	0.39	0.10	<0.01	0.09	4.38
36148		147	68.2	13.55	6.94	1.73	2.67	1.14	3.63	0.005	0.50	0.50	0.13	0.01	0.16	1.25
36149		144	65.3	13.90	5.90	2.73	2.78	0.40	4.70	0.006	0.51	0.63	0.13	0.01	0.09	2.13
36150		153	64.6	13.95	5.99	2.74	2.78	0.31	4.66	0.007	0.51	0.62	0.12	0.01	0.12	2.93
36726		151	65.2	14.05	5.65	3.57	2.47	0.50	4.30	0.006	0.52	0.47	0.12	0.01	0.09	2.04
36727		162	65.3	14.95	6.44	2.42	1.87	2.69	2.52	0.006	0.55	0.44	0.13	0.01	0.13	2.12
36728		148	67.4	13.45	6.64	2.80	1.99	0.91	2.60	0.007	0.49	0.31	0.12	<0.01	0.05	2.27
36729		165	70.4	13.35	7.49	0.82	1.88	0.76	2.80	0.004	0.44	0.12	0.10	<0.01	0.06	1.65
36730		160	66.9	13.80	7.19	2.50	2.04	2.80	2.05	0.004	0.45	0.30	0.11	0.01	0.03	1.49
36731		117	66.5	10.25	12.75	0.41	2.08	1.64	1.81	0.004	0.36	0.54	0.10	<0.01	0.01	1.98
36732		116	68.3	11.10	11.65	0.44	2.89	0.35	1.72	0.006	0.34	0.38	0.15	<0.01	0.04	1.88
36733		151	69.5	13.10	8.53	1.52	3.38	1.34	0.96	0.003	0.45	0.17	0.11	0.01	0.01	1.28
36734		118	65.6	14.20	7.64	2.44	2.62	1.00	2.08	0.003	0.34	0.26	0.06	0.01	0.05	3.81
36735		102	55.6	18.15	5.02	9.92	2.43	0.91	2.43	0.006	0.36	0.24	0.95	0.01	0.02	3.64

***** See Appendix Page for comments regarding this certificate *****

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 19-NOV-2019
Account: SILSPRE

Project: MEL

CERTIFICATE OF ANALYSIS TB19267127

Sample Description	Method	TOT-ICP06	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81
	Analyte	Total	Ag	As	Cd	Co	Cu	Li	Mo	Ni	Pb	Sc	Tl	Zn
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.01	0.5	5	0.5	1	1	10	1	1	2	1	10	2
108202		100.25	0.6	<5	<0.5	17	74	30	2	37	28	10	<10	111
36126		99.63	1.1	<5	<0.5	18	30	60	4	37	135	13	<10	608
36127		100.98	1.3	<5	<0.5	12	64	20	2	36	448	11	10	298
36128		99.26	6.9	<5	2.0	19	1450	50	2	29	288	16	10	947
36129		99.29	<0.5	<5	1.8	14	36	40	1	27	32	11	<10	642
36130		100.63	<0.5	<5	0.5	15	29	40	1	28	45	11	<10	275
36131		100.50	5.3	<5	0.8	27	317	20	4	24	79	10	<10	355
36132		100.42	1.7	<5	<0.5	17	761	40	3	15	100	9	<10	198
36133		100.35	<0.5	<5	<0.5	15	9	50	2	17	26	9	10	201
36134		100.49	0.9	5	0.6	12	127	30	1	18	80	10	<10	470
36135		100.12	1.6	<5	3.1	17	617	40	2	15	82	9	<10	924
36136		100.29	0.5	<5	0.5	9	152	40	2	18	10	9	<10	194
36137		101.30	1.0	7	<0.5	24	69	50	2	36	35	13	<10	256
36138		100.57	1.3	<5	0.8	28	1100	40	4	21	34	11	<10	191
36139		101.31	0.7	6	3.3	11	25	30	2	21	85	8	10	682
36140		99.24	3.0	<5	24.8	11	243	40	2	21	304	11	<10	6470
36141		99.90	0.8	<5	3.0	12	84	50	2	26	68	10	<10	1435
36142		98.98	1.0	<5	<0.5	13	103	50	3	24	92	11	<10	586
36143		99.90	2.0	6	6.1	15	289	40	1	24	131	12	<10	1865
36144		100.00	<0.5	<5	<0.5	17	36	50	1	35	76	12	<10	229
36145		99.50	0.9	5	7.3	14	86	40	1	27	202	10	<10	2070
36146		99.98	0.6	<5	12.8	19	70	100	2	32	135	13	<10	3290
36147		99.10	7.4	9	19.2	19	1700	50	1	17	210	9	<10	8220
36148		100.42	0.7	<5	1.4	13	32	50	1	30	49	11	<10	443
36149		99.22	1.2	10	3.5	16	85	40	2	29	513	12	<10	1150
36150		99.35	1.8	5	3.9	14	61	50	2	31	509	11	10	1185
36726		99.00	0.8	10	0.6	13	27	40	1	32	58	11	<10	227
36727		99.58	<0.5	5	4.0	19	35	50	2	38	56	12	<10	919
36728		99.04	2.3	<5	12.8	24	642	30	2	24	40	11	<10	3170
36729		99.87	2.2	<5	<0.5	20	209	40	4	17	23	9	<10	179
36730		99.67	0.5	<5	1.9	15	469	30	3	20	305	9	<10	584
36731		98.43	2.1	<5	3.1	23	513	20	1	20	193	8	<10	4930
36732		99.25	8.3	<5	2.6	26	3520	80	1	16	33	6	10	191
36733		100.36	5.3	<5	12.6	29	1740	120	3	19	17	10	10	1140
36734		100.11	4.0	6	4.6	12	430	60	1	30	31	7	<10	1305
36735		99.69	0.5	<5	<0.5	12	55	20	1	24	13	11	<10	111

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 19-NOV-2019
Account: SILSPRE

Project: MEL

CERTIFICATE OF ANALYSIS TB19267127

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
CRU-31	LOG-22	PUL-31	PUL-QC
SPL-21	WEI-21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
ME-4ACD81	ME-ICP06	ME-MS81	OA-GRA05
TOT-ICP06			

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

QC CERTIFICATE TB19256426

Project: MEL

This report is for 13 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 11-OCT-2019.

The following have access to data associated with this certificate:

KARL BOLTZ	GREG DAVISON	BRIAN PENNEY

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
Ag-OG46	Ore Grade Ag - Aqua Regia	
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Zn-OG46	Ore Grade Zn - Aqua Regia	
AuME-TL43	25g Trace Au + Multi Element PKG	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19256426

Sample Description	Method Analyte Units LOD	AuME-TL43 Au ppm 0.001	AuME-TL43 Ag ppm 0.01	AuME-TL43 Al % 0.01	AuME-TL43 As ppm 0.1	AuME-TL43 B ppm 10	AuME-TL43 Ba ppm 10	AuME-TL43 Be ppm 0.05	AuME-TL43 Bi ppm 0.01	AuME-TL43 Ca % 0.01	AuME-TL43 Cd ppm 0.01	AuME-TL43 Ce ppm 0.02	AuME-TL43 Co ppm 0.1	AuME-TL43 Cr ppm 1	AuME-TL43 Cs ppm 0.05	AuME-TL43 Cu ppm 0.2
STANDARDS																
CCU-1e																
Target Range - Lower Bound																
Upper Bound																
GBM903-13																
GBM903-13																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		0.005	4.47	2.61	35.1	10	160	0.86	0.67	0.98	2.27	76.2	19.7	86	10.50	674
Target Range - Lower Bound		0.002	4.00	2.23	29.6	<10	100	0.67	0.58	0.86	2.01	66.2	17.0	79	9.45	587
Upper Bound		0.006	4.92	2.75	36.4	30	160	0.95	0.73	1.08	2.47	81.0	21.0	98	11.65	675
OREAS 252		0.657	0.19	1.69	16.8	10	70	0.80	0.12	1.02	0.17	41.2	33.3	59	0.69	52.6
Target Range - Lower Bound		0.564	0.16	1.48	14.4	<10	40	0.57	0.08	0.89	0.15	36.0	29.5	52	0.57	47.3
Upper Bound		0.766	0.22	1.83	17.8	30	100	0.84	0.14	1.11	0.21	44.0	36.3	66	0.85	54.9
OREAS 621																
OREAS 621																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		0.376	0.50	0.74	35.8	10	220	1.02	5.50	0.31	0.34	73.0	14.1	17	1.06	1425
Target Range - Lower Bound		0.331	0.45	0.67	29.9	<10	190	0.78	4.97	0.27	0.30	68.2	12.4	15	1.02	1450
Upper Bound		0.451	0.58	0.84	36.7	20	280	1.08	6.10	0.35	0.38	83.4	15.4	20	1.36	1670
OREAS-45e		0.045	0.24	3.21	13.6	10	130	0.51	0.21	0.03	0.02	16.45	50.8	724	0.61	715
Target Range - Lower Bound		0.042	0.21	2.98	11.2	<10	110	0.29	0.19	<0.01	<0.01	15.90	46.7	763	0.56	659
Upper Bound		0.059	0.28	3.66	13.9	20	170	0.53	0.25	0.05	0.04	19.50	57.3	935	0.83	759
BLANKS																
BLANK		<0.001	<0.01	<0.01	<0.1	10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
BLANK		<0.001	<0.01	<0.01	<0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
Target Range - Lower Bound		<0.001	<0.01	<0.01	<0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
Upper Bound		0.002	0.02	0.02	0.2	20	20	0.10	0.02	0.02	0.02	0.04	0.2	2	0.10	0.4
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19256426

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05	0.2
STANDARDS																
CCU-1e																
Target Range - Lower Bound																
Upper Bound																
GBM903-13																
GBM903-13																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		3.69	9.78	0.12	0.52	0.06	0.161	1.26	36.7	32.8	1.14	370	15.45	0.31	0.33	740
Target Range - Lower Bound		3.22	8.73	<0.05	0.41	0.03	0.137	1.12	32.4	29.1	1.01	336	13.05	0.27	0.22	622
Upper Bound		3.96	10.80	0.24	0.55	0.09	0.179	1.40	40.0	35.7	1.25	422	16.10	0.35	0.46	761
OREAS 252		5.03	4.99	0.07	0.02	0.02	0.027	0.14	17.4	7.1	1.68	493	1.57	0.26	0.08	127.5
Target Range - Lower Bound		4.41	4.62	<0.05	<0.02	<0.01	0.017	0.11	15.4	5.6	1.49	438	1.30	0.22	<0.05	111.0
Upper Bound		5.41	5.76	0.17	0.06	0.04	0.039	0.17	19.2	7.0	1.85	546	1.70	0.30	0.18	136.0
OREAS 621																
OREAS 621																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		3.38	5.86	0.08	0.70	0.01	0.556	0.28	34.8	4.5	0.14	315	2.83	0.08	0.13	9.4
Target Range - Lower Bound		3.14	5.37	<0.05	0.38	<0.01	0.517	0.24	33.9	4.0	0.11	289	2.65	0.06	<0.05	7.8
Upper Bound		3.86	6.67	0.19	0.50	0.04	0.643	0.32	41.9	5.1	0.17	365	3.35	0.11	0.21	10.0
OREAS-45e		24.6	13.60	0.16	0.46	0.01	0.081	0.05	6.1	2.4	0.07	273	1.74	0.02	0.05	386
Target Range - Lower Bound		20.4	11.20	0.24	0.68	<0.01	0.076	0.03	5.7	2.2	0.07	324	1.59	<0.01	0.11	321
Upper Bound		25.0	13.80	0.48	0.88	0.03	0.105	0.08	7.4	2.9	0.12	408	2.05	0.05	0.33	393
BLANKS																
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05	0.2
Target Range - Lower Bound		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
Upper Bound		0.02	0.10	0.10	0.04	0.02	0.010	0.02	0.4	0.2	0.02	10	0.10	0.02	0.10	0.4
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

***** See Appendix Page for comments regarding this certificate *****

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19256426

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005	0.02
STANDARDS																
CCU-1e																
Target Range - Lower Bound																
Upper Bound																
GBM903-13																
GBM903-13																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		1000	1070	150.0	0.008	0.29	2.58	7.3	1.2	3.3	73.5	<0.01	0.03	21.7	0.329	0.85
Target Range - Lower Bound			946	132.0	0.006	0.27	2.10	6.5	0.6	2.8	66.6	<0.01	<0.01	19.1	0.277	0.64
Upper Bound			1155	162.0	0.010	0.35	2.96	8.1	1.5	4.0	81.8	0.03	0.04	23.8	0.349	0.92
OREAS 252		850	11.2	11.1	<0.001	0.01	0.50	5.7	0.3	0.7	82.8	<0.01	0.03	3.6	0.122	0.07
Target Range - Lower Bound		<10	10.1	10.0	<0.001	<0.01	0.31	5.0	<0.2	0.3	74.9	<0.01	<0.01	2.8	0.104	<0.02
Upper Bound		20	12.7	12.4	0.003	0.04	0.61	6.4	0.6	1.1	91.9	0.03	0.04	4.0	0.138	0.12
OREAS 621																
OREAS 621																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		210	14.7	16.3	<0.001	0.06	1.12	1.4	2.4	1.1	11.7	<0.01	0.07	7.8	0.015	0.10
Target Range - Lower Bound			14.2	15.7	<0.001	0.04	0.94	1.3	1.8	0.8	10.9	<0.01	0.04	7.2	<0.005	0.05
Upper Bound			17.8	19.4	0.002	0.09	1.40	1.9	2.8	1.7	13.7	0.02	0.09	9.2	0.026	0.15
OREAS-45e		260	12.3	7.3	<0.001	0.03	0.47	80.5	1.9	0.8	3.9	<0.01	0.10	9.6	0.076	0.06
Target Range - Lower Bound			11.7	6.7	<0.001	0.02	0.39	70.1	1.3	0.4	3.4	<0.01	0.08	8.3	0.090	<0.02
Upper Bound			14.8	8.4	0.002	0.07	0.70	85.9	2.3	1.3	4.6	0.03	0.13	10.6	0.122	0.10
BLANKS																
BLANK		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
BLANK		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
Target Range - Lower Bound		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
Upper Bound		20	0.4	0.2	0.002	0.02	0.10	0.2	0.4	0.4	0.4	0.02	0.02	0.4	0.010	0.04
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19256426

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	Ag-OG46	Zn-OG46
	Analyte	U	V	W	Y	Zn	Zr	Ag	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.05	1	0.05	0.05	2	0.5	1	0.001
STANDARDS									
CCU-1e									3.10
Target Range - Lower Bound									2.91
Upper Bound									3.13
GBM903-13									0.907
GBM903-13								26	0.939
Target Range - Lower Bound								22	0.901
Upper Bound								26	0.968
MRGeo08		5.94	98	2.10	19.35	757	17.5		
Target Range - Lower Bound		4.93	88	1.79	16.90	678	13.5		
Upper Bound		6.13	109	2.53	20.8	833	19.5		
OREAS 252		0.66	43	0.14	12.90	88	1.9		
Target Range - Lower Bound		0.48	37	<0.05	11.50	77	0.6		
Upper Bound		0.74	47	0.24	14.20	99	3.0		
OREAS 621									5.03
OREAS 621								69	5.14
Target Range - Lower Bound								65	4.99
Upper Bound								71	5.35
OREAS 905		1.94	5	0.50	6.42	59	30.4		
Target Range - Lower Bound		1.83	3	0.40	5.85	53	16.8		
Upper Bound		2.35	8	0.72	7.27	69	23.9		
OREAS-45e		1.58	263	<0.05	5.74	24	18.7		
Target Range - Lower Bound		1.41	257	<0.05	4.93	27	23.2		
Upper Bound		1.84	317	0.21	6.13	38	32.6		
BLANKS									
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5		
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5		
Target Range - Lower Bound		<0.05	<1	<0.05	<0.05	<2	<0.5		
Upper Bound		0.10	2	0.10	0.10	4	1.0		
BLANK									0.001
BLANK								<1	<0.001
Target Range - Lower Bound								<1	<0.001
Upper Bound								2	0.002

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MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19256426

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.001	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05	0.2
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		0.075	0.84	2.67	2.0	<10	360	0.30	0.19	0.11	0.26	20.1	8.9	4	1.87	528
DUP		0.082	0.82	2.55	1.9	<10	350	0.28	0.19	0.10	0.27	18.90	8.6	4	1.84	520
Target Range - Lower Bound		0.072	0.78	2.47	1.8	<10	320	0.23	0.17	0.09	0.24	18.50	8.2	3	1.71	505
Upper Bound		0.085	0.88	2.75	2.1	20	390	0.35	0.21	0.12	0.29	20.5	9.3	5	2.00	543

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Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19256426

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05	0.2
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		4.45	9.77	0.12	0.02	0.02	0.054	0.84	7.8	13.7	1.30	1320	19.30	0.01	0.36	3.9
DUP		4.26	9.54	0.13	0.02	0.02	0.055	0.82	7.3	13.3	1.26	1280	19.00	0.01	0.43	3.7
Target Range - Lower Bound		4.13	9.12	0.07	<0.02	<0.01	0.047	0.78	7.0	12.7	1.21	1230	18.15	<0.01	0.33	3.4
Upper Bound		4.58	10.20	0.18	0.04	0.03	0.062	0.88	8.1	14.3	1.35	1370	20.2	0.02	0.46	4.2

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Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19256426

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005	0.02
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		1470	27.8	32.9	0.001	0.03	0.07	5.6	0.7	0.7	84.6	<0.01	0.34	2.3	0.142	0.42
DUP		1430	28.7	33.1	<0.001	0.03	0.07	5.5	0.6	0.7	81.3	<0.01	0.37	2.1	0.139	0.39
Target Range - Lower Bound		1370	26.6	31.3	<0.001	0.02	<0.05	5.2	0.4	0.5	78.6	<0.01	0.33	1.9	0.128	0.35
Upper Bound		1530	29.9	34.8	0.002	0.04	0.10	5.9	0.9	0.9	87.3	0.02	0.38	2.5	0.153	0.46

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MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19256426

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	Ag-OG46	Zn-OG46
	Analyte	U	V	W	Y	Zn	Zr	Ag	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOD	0.05	1	0.05	0.05	2	0.5	1	0.001
DUPLICATES									
ORIGINAL								336	
DUP								340	0.055
Target Range - Lower Bound								329	0.053
Upper Bound								347	0.057
ORIGINAL									3.07
DUP									3.03
Target Range - Lower Bound									2.97
Upper Bound									3.13
ORIGINAL		0.85	69	0.07	5.62	185	0.6		
DUP		0.79	66	0.07	5.45	193	0.6		
Target Range - Lower Bound		0.73	63	<0.05	5.21	178	<0.5		
Upper Bound		0.91	72	0.10	5.86	200	1.0		

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Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19256426

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	CRU-QC	LOG-22	PUL-31
	PUL-QC	SPL-21	WEI-21	

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:				
	Ag-OG46	AuME-TL43	ME-OG46	Zn-OG46

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

QC CERTIFICATE TB19267123

Project: MEL

This report is for 11 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 22-OCT-2019.

The following have access to data associated with this certificate:

KARL BOLTZ	GREG DAVISON	BRIAN PENNEY

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-OG46	Ore Grade Elements - AquaRegia	ICP-AES
Zn-OG46	Ore Grade Zn - Aqua Regia	
AuME-TL43	25g Trace Au + Multi Element PKG	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

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To: **SILVER SPRUCE RESOURCES**
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MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19267123

Sample Description	Method Analyte Units LOD	AuME-TL43 Au ppm 0.001	AuME-TL43 Ag ppm 0.01	AuME-TL43 Al % 0.01	AuME-TL43 As ppm 0.1	AuME-TL43 B ppm 10	AuME-TL43 Ba ppm 10	AuME-TL43 Be ppm 0.05	AuME-TL43 Bi ppm 0.01	AuME-TL43 Ca % 0.01	AuME-TL43 Cd ppm 0.01	AuME-TL43 Ce ppm 0.02	AuME-TL43 Co ppm 0.1	AuME-TL43 Cr ppm 1	AuME-TL43 Cs ppm 0.05	AuME-TL43 Cu ppm 0.2
STANDARDS																
EMOG-17																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		0.359	0.54	0.68	35.4	10	210	0.83	5.35	0.31	0.37	73.2	14.0	16	1.14	1485
Target Range - Lower Bound		0.331	0.45	0.67	29.9	<10	190	0.78	4.97	0.27	0.30	68.2	12.4	15	1.02	1450
Upper Bound		0.451	0.58	0.84	36.7	20	280	1.08	6.10	0.35	0.38	83.4	15.4	20	1.36	1670
OREAS-133a																
Target Range - Lower Bound																
Upper Bound																
OREAS-134b																
Target Range - Lower Bound																
Upper Bound																
OREAS-45e		0.042	0.26	2.99	13.6	10	130	0.38	0.27	0.03	0.02	16.45	48.7	749	0.66	729
Target Range - Lower Bound		0.042	0.21	2.98	11.2	<10	110	0.29	0.19	<0.01	<0.01	15.90	46.7	763	0.56	659
Upper Bound		0.059	0.28	3.66	13.9	20	170	0.53	0.25	0.05	0.04	19.50	57.3	935	0.83	759
BLANKS																
BLANK		<0.001	<0.01	<0.01	<0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
Target Range - Lower Bound		<0.001	<0.01	<0.01	<0.1	<10	<10	<0.05	<0.01	<0.01	<0.01	<0.02	<0.1	<1	<0.05	<0.2
Upper Bound		0.002	0.02	0.02	0.2	20	20	0.10	0.02	0.02	0.02	0.04	0.2	2	0.10	0.4
BLANK																
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
108112																
DUP																
Target Range - Lower Bound																
Upper Bound																

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MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19267123

Sample Description	Method Analyte Units LOD	AuME-TL43 Fe % 0.01	AuME-TL43 Ga ppm 0.05	AuME-TL43 Ge ppm 0.05	AuME-TL43 Hf ppm 0.02	AuME-TL43 Hg ppm 0.01	AuME-TL43 In ppm 0.005	AuME-TL43 K % 0.01	AuME-TL43 La ppm 0.2	AuME-TL43 Li ppm 0.1	AuME-TL43 Mg % 0.01	AuME-TL43 Mn ppm 5	AuME-TL43 Mo ppm 0.05	AuME-TL43 Na % 0.01	AuME-TL43 Nb ppm 0.05	AuME-TL43 Ni ppm 0.2
STANDARDS																
EMOG-17																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		3.25	5.88	0.08	0.77	0.01	0.584	0.27	36.7	4.0	0.14	311	3.15	0.08	0.17	9.0
Target Range - Lower Bound		3.14	5.37	<0.05	0.38	<0.01	0.517	0.24	33.9	4.0	0.11	289	2.65	0.06	<0.05	7.8
Upper Bound		3.86	6.67	0.19	0.50	0.04	0.643	0.32	41.9	5.1	0.17	365	3.35	0.11	0.21	10.0
OREAS-133a																
Target Range - Lower Bound																
Upper Bound																
OREAS-134b																
Target Range - Lower Bound																
Upper Bound																
OREAS-45e		24.2	13.15	0.18	0.57	0.01	0.090	0.05	6.4	1.9	0.07	261	1.91	0.02	0.08	382
Target Range - Lower Bound		20.4	11.20	0.24	0.68	<0.01	0.076	0.03	5.7	2.2	0.07	324	1.59	<0.01	0.11	321
Upper Bound		25.0	13.80	0.48	0.88	0.03	0.105	0.08	7.4	2.9	0.12	408	2.05	0.05	0.33	393
BLANKS																
BLANK		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
Target Range - Lower Bound		<0.01	<0.05	<0.05	<0.02	<0.01	<0.005	<0.01	<0.2	<0.1	<0.01	<5	<0.05	<0.01	<0.05	<0.2
Upper Bound		0.02	0.10	0.10	0.04	0.02	0.010	0.02	0.4	0.2	0.02	10	0.10	0.02	0.10	0.4
BLANK																
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
108112																
DUP																
Target Range - Lower Bound																
Upper Bound																

***** See Appendix Page for comments regarding this certificate *****

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19267123

Sample Description	Method Analyte Units LOD	AuME-TL43 P ppm 10	AuME-TL43 Pb ppm 0.2	AuME-TL43 Rb ppm 0.1	AuME-TL43 Re ppm 0.001	AuME-TL43 S % 0.01	AuME-TL43 Sb ppm 0.05	AuME-TL43 Sc ppm 0.1	AuME-TL43 Se ppm 0.2	AuME-TL43 Sn ppm 0.2	AuME-TL43 Sr ppm 0.2	AuME-TL43 Ta ppm 0.01	AuME-TL43 Te ppm 0.01	AuME-TL43 Th ppm 0.2	AuME-TL43 Ti % 0.005	AuME-TL43 Tl ppm 0.02
STANDARDS																
EMOG-17																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		220	15.5	16.4	<0.001	0.06	1.24	1.6	2.4	1.2	12.0	<0.01	0.06	8.1	0.015	0.11
Target Range - Lower Bound			14.2	15.7	<0.001	0.04	0.94	1.3	1.8	0.8	10.9	<0.01	0.04	7.2	<0.005	0.05
Upper Bound			17.8	19.4	0.002	0.09	1.40	1.9	2.8	1.7	13.7	0.02	0.09	9.2	0.026	0.15
OREAS-133a																
Target Range - Lower Bound																
Upper Bound																
OREAS-134b																
Target Range - Lower Bound																
Upper Bound																
OREAS-45e		270	13.5	7.2	<0.001	0.04	0.55	81.1	1.5	1.0	3.8	<0.01	0.12	10.2	0.079	0.06
Target Range - Lower Bound			11.7	6.7	<0.001	0.02	0.39	70.1	1.3	0.4	3.4	<0.01	0.08	8.3	0.090	<0.02
Upper Bound			14.8	8.4	0.002	0.07	0.70	85.9	2.3	1.3	4.6	0.03	0.13	10.6	0.122	0.10
BLANKS																
BLANK		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
Target Range - Lower Bound		<10	<0.2	<0.1	<0.001	<0.01	<0.05	<0.1	<0.2	<0.2	<0.2	<0.01	<0.01	<0.2	<0.005	<0.02
Upper Bound		20	0.4	0.2	0.002	0.02	0.10	0.2	0.4	0.4	0.4	0.02	0.02	0.4	0.010	0.04
BLANK																
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
108112																
DUP																
Target Range - Lower Bound																
Upper Bound																

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BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19267123

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	Ag-OG46	Pb-OG46	Zn-OG46
	Analyte	U	V	W	Y	Zn	Zr	Ag	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOD	0.05	1	0.05	0.05	2	0.5	1	0.001	0.001
STANDARDS										
EMOG-17								69	0.747	0.775
Target Range - Lower Bound								64	0.697	0.726
Upper Bound								70	0.749	0.781
OREAS 905		2.03	5	0.63	6.42	57	33.9			
Target Range - Lower Bound		1.83	3	0.40	5.85	53	16.8			
Upper Bound		2.35	8	0.72	7.27	69	23.9			
OREAS-133a								99	4.95	10.75
Target Range - Lower Bound								93	4.73	10.25
Upper Bound								101	5.07	10.95
OREAS-134b								213	13.75	18.40
Target Range - Lower Bound								196	12.90	17.05
Upper Bound								212	13.85	18.30
OREAS-45e		1.79	262	0.05	5.88	24	22.0			
Target Range - Lower Bound		1.41	257	<0.05	4.93	27	23.2			
Upper Bound		1.84	317	0.21	6.13	38	32.6			
BLANKS										
BLANK		<0.05	<1	<0.05	<0.05	<2	<0.5			
Target Range - Lower Bound		<0.05	<1	<0.05	<0.05	<2	<0.5			
Upper Bound		0.10	2	0.10	0.10	4	1.0			
BLANK								1	0.001	0.001
Target Range - Lower Bound								<1	<0.001	<0.001
Upper Bound								2	0.002	0.002
DUPLICATES										
108112										1.180
DUP								17	0.340	1.175
Target Range - Lower Bound								16	0.331	1.145
Upper Bound								18	0.350	1.210

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QC CERTIFICATE OF ANALYSIS TB19267123

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.001	0.01	0.01	0.1	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05	0.2
DUPLICATES																
108117		0.002	0.42	3.27	2.5	10	80	0.17	0.16	0.47	0.16	11.25	19.5	29	4.67	55.6
DUP		0.002	0.41	3.22	2.5	10	80	0.16	0.16	0.46	0.17	10.55	19.0	28	4.58	54.0
Target Range - Lower Bound		<0.001	0.38	3.07	2.3	<10	60	0.11	0.14	0.43	0.15	10.35	18.2	26	4.34	52.7
Upper Bound		0.003	0.45	3.42	2.7	20	100	0.22	0.18	0.50	0.18	11.45	20.3	31	4.91	56.9

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QC CERTIFICATE OF ANALYSIS TB19267123

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05	0.2
DUPLICATES																
108117		4.45	13.00	0.08	0.11	<0.01	0.035	2.25	5.0	53.2	2.41	880	1.12	0.06	0.08	35.8
DUP		4.40	12.55	0.07	0.06	<0.01	0.035	2.24	4.6	53.8	2.39	855	0.99	0.06	0.07	34.7
Target Range - Lower Bound		4.19	12.10	<0.05	0.06	<0.01	0.028	2.12	4.4	50.7	2.27	819	0.95	0.05	<0.05	33.3
Upper Bound		4.66	13.45	0.10	0.11	0.02	0.042	2.37	5.2	56.3	2.53	916	1.16	0.07	0.10	37.2

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Project: MEL

QC CERTIFICATE OF ANALYSIS TB19267123

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOD	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005	0.02
DUPLICATES																
108117		540	9.1	55.6	<0.001	0.63	<0.05	11.7	0.3	1.0	4.5	<0.01	0.06	0.8	0.280	0.52
DUP		530	8.9	53.9	<0.001	0.63	<0.05	11.4	0.4	0.9	4.1	<0.01	0.06	0.8	0.280	0.53
Target Range - Lower Bound		500	8.4	51.9	<0.001	0.59	<0.05	10.9	<0.2	0.7	3.9	<0.01	0.05	0.6	0.261	0.47
Upper Bound		570	9.7	57.6	0.002	0.67	0.10	12.2	0.4	1.2	4.7	0.02	0.07	1.0	0.299	0.58

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Finalized Date: 5-NOV-2019
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Project: MEL

QC CERTIFICATE OF ANALYSIS TB19267123

Sample Description	Method	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	AuME-TL43	Ag-OG46	Pb-OG46	Zn-OG46
	Analyte	U	V	W	Y	Zn	Zr	Ag	Pb	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOD	0.05	1	0.05	0.05	2	0.5	1	0.001	0.001
DUPLICATES										
108117		0.16	84	0.09	3.34	248	3.6			
DUP		0.16	83	0.09	3.09	245	3.1			
Target Range - Lower Bound		0.10	78	<0.05	3.00	232	2.6			
Upper Bound		0.22	89	0.10	3.43	261	4.1			

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BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 5-NOV-2019
Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19267123

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
	CRU-31	LOG-22	PUL-31	PUL-QC
	SPL-21	WEI-21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
	AuME-TL43	ME-OG46	Zn-OG46

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 19-NOV-2019
This copy reported on
20-NOV-2019
Account: SILSPRE

QC CERTIFICATE TB19267127

Project: MEL

This report is for 36 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 22-OCT-2019.

The following have access to data associated with this certificate:

KARL BOLTZ	GREG DAVISON	BRIAN PENNEY

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize up to 250g 85% <75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-4ACD81	Base Metals by 4-acid dig.	ICP-AES
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
ME-MS81	Lithium Borate Fusion ICP-MS	ICP-MS
TOT-ICP06	Total Calculation for ICP06	

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Saa Traxler, General Manager, North Vancouver

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Finalized Date: 19-NOV-2019
Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19267127

Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
	Analyte	Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd	Hf	Ho	La	Lu	Nb	Nd
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.5	0.1	10	0.01	0.05	0.03	0.03	0.1	0.05	0.2	0.01	0.1	0.01	0.2	0.1
STANDARDS																
AMIS0085		352	67.9	570	3.88	11.10	8.30	0.88	13.6	7.42	4.3	2.50	35.3	1.37	10.9	26.7
Target Range - Lower Bound																
Upper Bound																
AMIS0167		88.1	45.6	460	1.04	6.09	3.20	0.72	3.4	5.41	2.6	1.26	23.6	0.33	4.6	18.5
Target Range - Lower Bound																
Upper Bound																
AMIS0286																
AMIS0286																
Target Range - Lower Bound																
Upper Bound																
AMIS0304		2760	8210	100	0.40	135.5	33.7	144.0	53.0	354	25.9	18.05	3450	2.00	>2500	3900
Target Range - Lower Bound		2340	7280	70	0.35	119.0	30.6	135.0	47.8	309	25.0	16.20	3250	1.84	4670	3610
Upper Bound		2860	8900	120	0.45	145.5	37.4	165.0	58.7	377	31.0	19.80	3970	2.27	>2500	4410
AMIS0343																
AMIS0343																
Target Range - Lower Bound																
Upper Bound																
AMIS0461																
AMIS0461																
Target Range - Lower Bound																
Upper Bound																
EMOG-17																
EMOG-17																
Target Range - Lower Bound																
Upper Bound																
OREAS 146		>10000	4760	190	0.47	218	82.9	117.0	27.6	343	3.7	37.6	2510	6.36	413	2180
Target Range - Lower Bound		11450	4220	160	0.47	202	78.3	114.5	26.2	323	3.6	33.1	2260	5.66	349	1965
Upper Bound		>10000	5160	220	0.59	246	95.7	139.5	32.2	395	4.8	40.5	2760	6.94	427	2400
OREAS-101b		175.5	1305	30	2.21	30.7	18.25	7.12	25.4	33.8	9.9	6.27	769	2.50	56.9	357
Target Range - Lower Bound			1200			24.3	16.80	6.96		36.9		5.70	710	2.31		340
Upper Bound			1465			29.8	20.6	8.58		45.2		6.98	868	2.85		416
SRM88B		6.0	3.4	<10	0.17	0.63	0.46	0.11	0.2	0.72	<0.2	0.16	4.8	0.05	0.4	3.1
Target Range - Lower Bound																
Upper Bound																
SY-4		325	116.5	10	1.44	18.55	14.25	1.78	35.6	14.15	10.9	4.52	54.5	2.20	13.1	54.7
Target Range - Lower Bound		306	109.5	<10	1.34	16.35	12.75	1.77	33.1	12.55	9.8	3.86	52.1	1.88	11.5	51.2
Upper Bound		375	134.5	30	1.66	20.1	15.65	2.23	40.7	15.45	12.4	4.74	63.9	2.32	14.5	62.8

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MONTROSE BC V0G 1P0

Finalized Date: 19-NOV-2019
Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19267127

Sample Description	Method Analyte Units LOD	ME-MS81 Pr ppm 0.03	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tm ppm 0.01	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.1	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 2
STANDARDS																
AMIS0085		7.74	216	6.92	3	98.5	1.5	1.56	51.6	1.36	267	32	2	67.9	9.18	158
Target Range - Lower Bound																
Upper Bound																
AMIS0167		5.07	17.4	4.86	2	19.8	1.6	1.07	49.4	0.43	502	65	1	25.2	2.70	106
Target Range - Lower Bound																
Upper Bound																
AMIS0286																
AMIS0286																
Target Range - Lower Bound																
Upper Bound																
AMIS0304		>1000	10.7	628	25	3500	12.0	34.5	454	3.48	22.9	388	5	422	17.05	1175
Target Range - Lower Bound		925	9.3	543	22	3060	11.1	30.8	406	3.14	21.6	331	3	369	15.25	1005
Upper Bound		>1000	11.8	664	29	3740	13.8	37.7	496	3.86	26.5	415	7	451	18.75	1230
AMIS0343																
AMIS0343																
Target Range - Lower Bound																
Upper Bound																
AMIS0461																
AMIS0461																
Target Range - Lower Bound																
Upper Bound																
EMOG-17																
EMOG-17																
Target Range - Lower Bound																
Upper Bound																
OREAS 146		535	25.5	454	42	3080	3.8	46.5	901	9.80	2.53	160	26	926	52.4	230
Target Range - Lower Bound		493	23.7	397	40	2790	3.6	42.5	813	8.90	2.37	140	25	814	48.1	204
Upper Bound		603	29.5	485	52	3410	4.6	51.9	993	10.90	3.01	182	33	996	58.9	254
OREAS-101b		122.0	175.0	50.5	10	20.2	2.7	5.19	34.9	2.64	398	74	18	162.5	18.05	398
Target Range - Lower Bound		114.5		43.2				4.82	32.7	2.38	348	66		160.0		
Upper Bound		139.5		52.8				5.92	40.1	2.94	426	94		196.0		
SRM88B		0.80	2.9	0.55	<1	61.2	0.1	0.10	0.28	0.05	0.21	<5	<1	7.6	0.31	5
Target Range - Lower Bound																
Upper Bound																
SY-4		14.05	52.3	13.20	7	1185	0.7	2.70	1.23	2.34	0.71	7	<1	112.0	15.05	635
Target Range - Lower Bound		13.45	49.3	11.40	6	1070	0.7	2.33	1.11	2.06	0.66	<5	<1	107.0	13.30	543
Upper Bound		16.55	60.7	14.00	10	1310	1.1	2.87	1.47	2.54	0.94	18	3	131.0	16.30	668

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Project: MEL

QC CERTIFICATE OF ANALYSIS TB19267127

Sample Description	Method	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	OA-GRA05	TOT-ICP06
	Analyte	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	P2O5	SrO	BaO	LOI	Total
	Units	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	LOD	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	0.01	0.01	0.01	0.01	0.01	0.01	0.01
STANDARDS																
AMIS0085		70.8	10.80	3.43	3.18	1.72	1.74	4.60	0.078	0.21	0.06	0.08	0.01	0.04		99.29
Target Range - Lower Bound		69.0	10.60	3.33	3.12	1.64	1.62	4.48	0.068	0.18	0.04	0.05	<0.01	0.02		97.99
Upper Bound		72.1	11.35	3.67	3.44	1.86	1.84	4.90	0.090	0.24	0.09	0.10	0.03	0.06		>102.00
AMIS0167		92.8	2.40	3.33	0.11	0.22	0.07	0.49	0.058	0.14	0.02	0.03	<0.01	0.01		101.30
Target Range - Lower Bound		89.6	2.29	3.28	0.10	0.21	0.06	0.45	0.049	0.12	<0.01	<0.01	<0.01	<0.01		97.99
Upper Bound		93.3	2.55	3.62	0.16	0.27	0.12	0.55	0.067	0.18	0.04	0.05	0.02	0.02		>102.00
AMIS0286															7.71	
AMIS0286															7.68	
Target Range - Lower Bound															7.25	
Upper Bound															8.03	
AMIS0304		12.00	1.50	21.3	28.2	2.76	0.10	0.28	0.012	1.74	0.45	18.05	0.42	0.29		94.84
Target Range - Lower Bound		11.90	1.42	20.3	27.7	2.72	0.06	0.25	0.005	1.69	0.41	17.80	0.36	0.25		
Upper Bound		12.75	1.62	21.6	29.3	3.02	0.12	0.31	0.016	1.91	0.51	18.90	0.44	0.31		
AMIS0343																
AMIS0343																
Target Range - Lower Bound																
Upper Bound																
AMIS0461															38.6	
AMIS0461															38.9	
Target Range - Lower Bound															36.9	
Upper Bound															40.9	
EMOG-17																
EMOG-17																
Target Range - Lower Bound																
Upper Bound																
OREAS 146		20.3	3.04	28.6	17.45	6.98	0.30	1.30	0.025	1.44	2.47	0.55	0.39	1.55		93.75
Target Range - Lower Bound		19.50	2.82	27.5	16.75	6.59	0.26	1.19	0.017	1.35	2.30	0.49	0.33	1.39		97.99
Upper Bound		20.7	3.12	29.1	17.85	7.15	0.34	1.37	0.031	1.53	2.56	0.59	0.41	1.59		>102.00
OREAS-101b		62.0	10.15	14.95	1.57	2.02	0.07	2.82	0.004	0.63	0.11	0.28	0.01	0.02		94.63
Target Range - Lower Bound																
Upper Bound																
SRM88B		1.15	0.30	0.29	30.1	20.8	0.03	0.10	<0.002	0.01	0.01	<0.01	0.01	<0.01		99.50
Target Range - Lower Bound		1.05	0.30	0.24	29.1	20.4	<0.01	0.08	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01		97.99
Upper Bound		1.21	0.37	0.31	30.8	21.7	0.05	0.13	0.006	0.04	0.04	0.03	0.03	0.03		>102.00
SY-4		50.1	20.4	6.18	7.87	0.50	7.12	1.65	<0.002	0.28	0.10	0.13	0.15	0.04		99.08
Target Range - Lower Bound		48.7	20.1	5.95	7.74	0.49	6.81	1.56	<0.002	0.25	0.08	0.10	0.11	<0.01		97.99
Upper Bound		51.1	21.3	6.47	8.36	0.59	7.39	1.76	0.005	0.32	0.13	0.16	0.17	0.06		>102.00

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To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 19-NOV-2019
Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19267127

Sample Description	Method	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81
	Analyte	Ag	As	Cd	Co	Cu	Li	Mo	Ni	Pb	Sc	Tl	Zn
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.5	5	0.5	1	1	10	1	1	2	1	10	2
STANDARDS													
AMIS0085													
Target Range - Lower Bound													
Upper Bound													
AMIS0167													
Target Range - Lower Bound													
Upper Bound													
AMIS0286													
AMIS0286													
Target Range - Lower Bound													
Upper Bound													
AMIS0304													
Target Range - Lower Bound													
Upper Bound													
AMIS0343		<0.5	16	<0.5	2	55	7260	4	14	10	<1	40	83
AMIS0343		<0.5	10	<0.5	2	51	6910	3	13	7	<1	40	80
Target Range - Lower Bound		<0.5	<5	<0.5	<1	47	6300	<1	11	<2	<1	<10	70
Upper Bound		1.1	24	1.0	5	56	7730	6	17	10	2	50	90
AMIS0461													
AMIS0461													
Target Range - Lower Bound													
Upper Bound													
EMOG-17		71.3	626	21.5	795	8520	30	1135	8050	7760	8	<10	7770
EMOG-17		68.3	610	20.7	762	8360	30	1090	7730	7460	8	<10	7610
Target Range - Lower Bound		60.4	517	17.7	685	7740	<10	996	6820	6570	6	<10	6800
Upper Bound		75.0	643	22.7	839	8910	50	1220	8330	8030	10	20	8320
OREAS 146													
Target Range - Lower Bound													
Upper Bound													
OREAS-101b													
Target Range - Lower Bound													
Upper Bound													
SRM88B													
Target Range - Lower Bound													
Upper Bound													
SY-4													
Target Range - Lower Bound													
Upper Bound													

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QC CERTIFICATE OF ANALYSIS TB19267127

Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
	Analyte	Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd	Hf	Ho	La	Lu	Nb	Nd
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.5	0.1	10	0.01	0.05	0.03	0.03	0.1	0.05	0.2	0.01	0.1	0.01	0.2	0.1
BLANKS																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		3.0	<0.1	<10	<0.01	<0.05	<0.03	<0.03	<0.1	<0.05	<0.2	<0.01	0.1	<0.01	<0.2	<0.1
BLANK		6.2	<0.1	<10	0.01	<0.05	<0.03	<0.03	<0.1	<0.05	<0.2	0.01	<0.1	<0.01	<0.2	<0.1
Target Range - Lower Bound		<0.5	<0.1	<10	<0.01	<0.05	<0.03	<0.03	<0.1	<0.05	<0.2	<0.01	<0.1	<0.01	<0.2	<0.1
Upper Bound		1.0	0.2	20	0.02	0.10	0.06	0.06	0.2	0.10	0.4	0.02	0.2	0.02	0.4	0.2
DUPLICATES																
ORIGINAL		368	15.6	10	0.33	2.08	1.34	0.57	18.4	2.25	3.2	0.42	7.1	0.25	1.9	9.3
DUP		381	17.7	10	0.32	2.30	1.47	0.74	18.9	2.24	2.8	0.50	7.9	0.25	2.2	10.5
Target Range - Lower Bound		355	15.7	<10	0.30	2.03	1.30	0.59	17.6	2.08	2.7	0.43	7.0	0.23	1.7	9.3
Upper Bound		394	17.6	20	0.35	2.35	1.51	0.72	19.7	2.41	3.4	0.49	8.0	0.27	2.4	10.5
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
36130																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Project: MEL

QC CERTIFICATE OF ANALYSIS TB19267127

Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
	Analyte	Pr	Rb	Sm	Sn	Sr	Ta	Tb	Th	Tm	U	V	W	Y	Yb	Zr
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.03	0.2	0.03	1	0.1	0.1	0.01	0.05	0.01	0.05	5	1	0.1	0.03	2
BLANKS																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.03	<0.2	<0.03	<1	0.1	0.1	<0.01	<0.05	<0.01	<0.05	<5	<1	<0.1	<0.03	<2
BLANK		<0.03	<0.2	<0.03	<1	0.1	<0.1	<0.01	<0.05	<0.01	<0.05	<5	<1	<0.1	<0.03	<2
Target Range - Lower Bound		<0.03	<0.2	<0.03	<1	<0.1	<0.1	<0.01	<0.05	<0.01	<0.05	<5	<1	<0.1	<0.03	<2
Upper Bound		0.06	0.4	0.06	2	0.2	0.2	0.02	0.10	0.02	0.10	10	2	0.2	0.06	4
DUPLICATES																
ORIGINAL		2.20	12.1	2.53	1	403	0.3	0.34	1.00	0.20	1.02	79	1	12.3	1.52	115
DUP		2.54	12.2	2.75	1	415	0.2	0.37	1.17	0.20	0.98	81	1	13.3	1.64	103
Target Range - Lower Bound		2.22	11.3	2.48	<1	388	<0.1	0.33	0.98	0.18	0.90	71	<1	12.1	1.47	102
Upper Bound		2.52	13.0	2.80	2	430	0.4	0.38	1.19	0.22	1.10	89	2	13.5	1.69	116
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
36130																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19267127

Sample Description	Method	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	OA-GRA05	TOT-ICP06
	Analyte	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	P2O5	SrO	BaO	LOI	Total
	Units	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	LOD	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	0.01	0.01	0.01	0.01	0.01	0.01	0.01
BLANKS																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK															0.00	
BLANK															0.00	
Target Range - Lower Bound															<0.01	
Upper Bound															0.02	
BLANK		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01		0.01
BLANK		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<0.01	<0.01	0.01	<0.01	<0.01		0.01
Target Range - Lower Bound		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01		
Upper Bound		0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.004	0.02	0.02	0.02	0.02	0.02		
DUPLICATES																
ORIGINAL		65.8	15.95	5.02	3.49	1.95	3.94	0.95	<0.002	0.44	0.11	0.14	0.05	0.04		
DUP		65.3	15.90	5.05	3.50	1.94	3.93	0.94	<0.002	0.44	0.11	0.16	0.05	0.04		
Target Range - Lower Bound		63.9	15.50	4.90	3.40	1.89	3.83	0.91	<0.002	0.42	0.10	0.14	0.04	0.03		
Upper Bound		67.2	16.35	5.17	3.59	2.00	4.04	0.98	0.004	0.46	0.12	0.16	0.06	0.05		
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL															4.69	
DUP															4.75	
Target Range - Lower Bound															4.59	
Upper Bound															4.85	
36130																
DUP																
Target Range - Lower Bound																
Upper Bound																

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BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 19-NOV-2019
Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19267127

Sample Description	Method / Analyte / Units / LOD	ME-4ACD81 Ag ppm 0.5	ME-4ACD81 As ppm 5	ME-4ACD81 Cd ppm 0.5	ME-4ACD81 Co ppm 1	ME-4ACD81 Cu ppm 1	ME-4ACD81 Li ppm 10	ME-4ACD81 Mo ppm 1	ME-4ACD81 Ni ppm 1	ME-4ACD81 Pb ppm 2	ME-4ACD81 Sc ppm 1	ME-4ACD81 Tl ppm 10	ME-4ACD81 Zn ppm 2
BLANKS													
BLANK		<0.5	<5	<0.5	<1	<1	<10	<1	2	<2	<1	<10	<2
BLANK		<0.5	<5	<0.5	1	<1	<10	<1	<1	2	<1	<10	<2
Target Range - Lower Bound		<0.5	<5	<0.5	<1	<1		<1	<1	<2			<2
Upper Bound		1.0	10	1.0	2	2		2	2	4			4
BLANK													
BLANK													
Target Range - Lower Bound													
Upper Bound													
BLANK													
BLANK													
Target Range - Lower Bound													
Upper Bound													
DUPLICATES													
ORIGINAL													
DUP													
Target Range - Lower Bound													
Upper Bound													
ORIGINAL		<0.5	<5	<0.5	15	82	10	<1	8	3	15	<10	50
DUP		<0.5	<5	<0.5	15	87	10	<1	8	4	15	<10	53
Target Range - Lower Bound		<0.5	<5	<0.5	13	81	<10	<1	7	<2	13	<10	47
Upper Bound		1.0	10	1.0	17	88	20	2	9	4	17	20	56
ORIGINAL													
DUP													
Target Range - Lower Bound													
Upper Bound													
36130		<0.5	<5	0.5	15	29	40	1	28	45	11	<10	275
DUP		<0.5	<5	0.6	15	33	40	2	29	47	11	<10	286
Target Range - Lower Bound		<0.5	<5	<0.5	13	29	30	<1	26	42	9	<10	264
Upper Bound		1.0	10	1.0	17	33	50	2	31	50	13	20	297

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QC CERTIFICATE OF ANALYSIS TB19267127

Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
	Analyte	Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd	Hf	Ho	La	Lu	Nb	Nd
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.5	0.1	10	0.01	0.05	0.03	0.03	0.1	0.05	0.2	0.01	0.1	0.01	0.2	0.1
DUPLICATES																
36132																
DUP																
Target Range - Lower Bound																
Upper Bound																
36731		127.0	24.8	30	2.06	2.16	1.43	0.60	14.6	2.52	2.9	0.50	12.5	0.23	4.2	11.4
DUP		124.0	24.0	30	2.03	2.27	1.36	0.53	14.0	2.37	2.9	0.46	12.0	0.22	4.2	10.8
Target Range - Lower Bound		118.5	23.1	20	1.93	2.05	1.30	0.51	13.5	2.27	2.6	0.45	11.5	0.20	3.8	10.4
Upper Bound		132.5	25.7	40	2.16	2.38	1.49	0.62	15.1	2.62	3.2	0.51	13.0	0.25	4.6	11.8

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QC CERTIFICATE OF ANALYSIS TB19267127

Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
	Analyte	Pr	Rb	Sm	Sn	Sr	Ta	Tb	Th	Tm	U	V	W	Y	Yb	Zr
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.03	0.2	0.03	1	0.1	0.1	0.01	0.05	0.01	0.05	5	1	0.1	0.03	2
DUPLICATES																
36132																
DUP																
Target Range - Lower Bound																
Upper Bound																
36731		2.84	51.1	2.55	1	33.0	0.4	0.36	2.48	0.22	0.56	56	1	12.8	1.46	117
DUP		2.70	50.1	2.38	1	32.0	0.3	0.37	2.29	0.21	0.58	53	1	12.2	1.43	116
Target Range - Lower Bound		2.60	47.9	2.31	<1	30.8	0.2	0.34	2.22	0.19	0.49	47	<1	11.8	1.34	109
Upper Bound		2.94	53.3	2.62	2	34.2	0.5	0.39	2.55	0.24	0.65	62	2	13.2	1.55	124

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QC CERTIFICATE OF ANALYSIS TB19267127

Sample Description	Method	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	OA-GRA05	TOT-ICP06
	Analyte	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2	MnO	P2O5	SrO	BaO	LOI	Total
	Units	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	LOD	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	0.01	0.01	0.01	0.01	0.01	0.01	0.01
DUPLICATES																
36132															1.55	
DUP															1.63	
Target Range - Lower Bound															1.54	
Upper Bound															1.64	
36731		66.5	10.25	12.75	0.41	2.08	1.64	1.81	0.004	0.36	0.54	0.10	<0.01	0.01		
DUP		65.3	10.15	12.60	0.40	2.05	1.61	1.77	0.003	0.36	0.53	0.10	0.01	0.01		
Target Range - Lower Bound		64.2	9.94	12.35	0.38	2.00	1.57	1.74	<0.002	0.34	0.51	0.09	<0.01	<0.01		
Upper Bound		67.6	10.45	13.00	0.43	2.13	1.68	1.84	0.004	0.38	0.56	0.11	0.02	0.02		

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **SILVER SPRUCE RESOURCES**
BOX 604
MONTROSE BC V0G 1P0

Finalized Date: 19-NOV-2019
Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19267127

Sample Description	Method / Analyte / Units / LOD	ME-4ACD81 Ag ppm 0.5	ME-4ACD81 As ppm 5	ME-4ACD81 Cd ppm 0.5	ME-4ACD81 Co ppm 1	ME-4ACD81 Cu ppm 1	ME-4ACD81 Li ppm 10	ME-4ACD81 Mo ppm 1	ME-4ACD81 Ni ppm 1	ME-4ACD81 Pb ppm 2	ME-4ACD81 Sc ppm 1	ME-4ACD81 Tl ppm 10	ME-4ACD81 Zn ppm 2
		DUPLICATES											
36132													
DUP													
Target Range - Lower Bound													
Upper Bound													
36731													
DUP													
Target Range - Lower Bound													
Upper Bound													

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 19-NOV-2019
Account: SILSPRE

Project: MEL

QC CERTIFICATE OF ANALYSIS TB19267127

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:				
CRU-31	LOG-22	PUL-31	PUL-QC
SPL-21	WEI-21		

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:			
ME-4ACD81	ME-ICP06	ME-MS81	OA-GRA05
TOT-ICP06			

Appendix IV. Historical Drill Sections, Logs and Assays

KERR ADDISON MINES LTD.

DIAMOND DRILL RECORD

Co-ords: 2+35S L58+25E
Azimuth: 180.0
Dip: -70.0
Elevation: .0
Length: 195.07 metres
Twp./Area: MELCHETT LAKE

Drill Type: Boyles 25A
Core Size: BQ

HOLE NO.: KAR-01
Property: MELCHETT O-2[illegible] SELF ZONE
Date Started: Feb. 9/1987
Date Completed: Feb 12,1987
Logged by: BARRY OTTON
Date Logged:
Claim number: 676458

Dip Tests

195.07 -60.0

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
.00	1.22	OVERBURDEN					
1.22	148.01	INTERMEDIATE TUFFACEOUS SCHIST					
		Dark to medium grey with tiger striped appearance. Fine-grained sugary texture. Main minerals are feldspar, biotite, chlorite, and garnet. 5% disseminated pyrite on shear planes with foliation at 45-55 degrees to core axis. Weakly fractured at various angles to core axis.	B-100	1.22	2.72	1.50	<5
			B-101	2.72	5.43	2.71	n/a
			B-102	5.43	6.93	1.50	n/a
			B-103	6.93	8.34	1.41	n/a
			B-104	8.34	9.87	1.53	n/a
			B-105	9.87	11.34	1.47	<5
			B-106	11.34	12.96	1.62	n/a
			B-107	12.96	14.53	1.57	n/a
			B-108	14.53	16.01	1.48	n/a
		Locally chloritic and biotite rich with trace garnet and trace carbonate.	B-109	16.01	17.47	1.46	n/a
			B-110	17.47	19.17	1.70	<5
			B-111	19.17	20.80	1.63	n/a
		Occassional magnetic sections and silicified sections. Locally bleached to a pale grey but still with tiger striped appearance which is due to bedding.	B-112	20.80	22.22	1.42	n/a
			B-113	22.22	23.66	1.44	n/a
			B-114	23.66	25.00	1.34	n/a
			B-115	25.00	26.45	1.45	<5
			B-116	26.45	27.89	1.44	n/a
		Occassional 4 mm carbonate - pyrite cube veinlets at 10 degrees to core axis. Occassional carbonate amygdules and carbonate - muscovite veinlets perpendicular to core axis. Occassional veinlets, parallel to foliation, of coarse-grained clear quartz , chlorite and trace garnet. Numerous fractures with strike 180 degrees and vertical dip which are filled with chlorite carbonate , and	B-117	27.89	29.50	1.61	n/a
			B-118	29.50	30.95	1.45	n/a
			B-119	30.95	32.11	1.16	n/a
			B-120	32.11	33.42	1.31	<5
			B-121	33.42	35.06	1.64	n/a
			B-122	35.06	36.69	1.63	n/a
			B-123	36.69	38.18	1.49	n/a
			B-124	38.18	39.63	1.45	n/a
			B-125	39.63	40.40	.77	<5
			B-126	40.40	42.44	2.04	n/a

from (m)	to (m)	Description
		7% pyrite flakes.
2.80	4.23	Broken core lost due to grinding.
45.0	0.7m	Vein of barren quartz perpendicular to the schistosity.
47.35	10%	Pyrite on a fracture with strike 090 degrees and dip 40 degrees N.
63.00	91.00	20cm quartz vein with 3% coarse-grained pyrite.
78.50	80.00	Weakly magnetic. Moderate foliation at 60 degrees to core axis.
95.97	97.12	Contorted bedding which follows the schistosity. Minor quartz stringers at all angles to core axis.
102.00	150.00	1 to 2% fine-grained, black sphalerite.
102.00	106.00	Finer grained schist with minor magnetite, and trace medium-grained, dark brown sphalerite.
110.75	111.08	Silicified zone with quartz stringers and medium brown sphalerite in seams parallel to bedding.
114.5	30	Cm quartz vein with minor tourmaline and coarse-grained pyrite.

Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
B-127	42.44	43.87	1.43	n/a
B-128	43.87	45.00	1.13	n/a
B-129	45.00	45.70	.70	<5
B-130	45.70	46.75	1.05	<5
B-131	46.75	48.23	1.48	n/a
B-132	48.23	49.89	1.66	n/a
B-133	49.89	51.48	1.59	n/a
B-134	51.48	52.96	1.48	n/a
B-135	52.96	54.43	1.47	<5
B-136	54.43	55.89	1.46	n/a
B-137	55.89	57.34	1.45	n/a
B-138	57.34	58.81	1.47	n/a
B-139	58.81	60.24	1.43	n/a
B-140	60.24	61.76	1.52	<5
B-141	61.76	63.24	1.48	n/a
B-142	63.24	64.64	1.40	n/a
B-143	64.64	66.07	1.43	n/a
B-144	66.07	67.45	1.38	n/a
B-145	67.45	68.95	1.50	<5
B-146	68.95	70.30	1.35	n/a
B-147	70.30	71.78	1.48	n/a
B-148	71.78	73.22	1.44	n/a
B-149	73.22	74.68	1.46	n/a
B-150	74.68	76.08	1.40	<5
B-151	76.08	77.57	1.49	n/a
B-152	77.57	79.00	1.43	n/a
B-153	79.00	80.40	1.40	n/a
B-154	80.40	81.87	1.47	n/a
B-155	81.87	83.27	1.40	<5
B-156	83.27	84.75	1.48	n/a
B-157	84.75	86.27	1.52	n/a
B-158	86.27	87.68	1.41	n/a
B-159	87.68	89.15	1.47	n/a
B-160	89.15	90.53	1.38	<5
B-161	90.53	92.05	1.52	n/a
B-162	92.05	93.45	1.40	n/a
B-163	93.45	94.87	1.42	n/a
B-164	94.87	96.38	1.51	n/a
B-165	96.38	97.87	1.49	10
B-166	97.87	99.29	1.42	n/a
B-167	99.29	100.75	1.46	n/a
B-168	100.75	102.27	1.52	n/a
B-169	102.27	103.75	1.48	n/a
B-170	103.75	105.25	1.50	<5
B-171	105.25	106.71	1.46	n/a
B-172	106.71	108.19	1.48	n/a
B-173	108.19	109.64	1.45	n/a
B-174	109.64	111.17	1.53	n/a
B-175	111.17	112.66	1.49	<5
B-176	112.66	114.15	1.49	n/a

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
			B-177	114.15	115.55	1.40	n/a
			B-178	115.55	117.04	1.49	n/a
			B-179	117.04	118.52	1.48	n/a
			B-180	118.52	119.98	1.46	20
			B-181	119.98	121.45	1.47	n/a
			B-182	121.45	122.90	1.45	n/a
			B-183	122.90	124.38	1.48	n/a
			B-184	124.38	125.82	1.44	n/a
			B-185	125.82	127.26	1.44	5
			B-186	127.26	128.73	1.47	n/a
			B-187	128.73	130.19	1.46	n/a
			B-188	130.19	131.67	1.48	n/a
			B-189	131.67	133.20	1.53	n/a
			B-190	133.20	134.68	1.48	<5
			B-191	134.68	136.19	1.51	n/a
			B-192	136.19	137.63	1.44	n/a
			B-193	137.63	139.14	1.51	n/a
			B-194	139.14	140.56	1.42	n/a
			B-195	140.56	142.04	1.48	145
			B-196	142.04	143.49	1.45	n/a
			B-197	143.49	145.00	1.51	n/a
			B-198	145.00	146.47	1.47	n/a
			B-199	146.47	148.01	1.54	n/a
148.01	150.05	ANDESITE					
		Very thin andesite flow with massive texture. The rock is dark green and fine-grained. 1% disseminated pyrite. There are 5% carbonate veinlets parallel to the schistosity which contain minor rhodocrosite ?. Lower contact is sharp at 45 degrees to core axis parallel to the schistosity.	B-200	148.01	149.40	1.39	<5
			B-201	149.40	150.05	.65	n/a
150.05	195.07	INTERMEDIATE TUFFACEOUS SCHIST					
		Dark grey, fine-grained, weakly bedded schist with a weak foliation at 50 degrees to core axis. The schist is strongly silicified. 1-3% Disseminated pyrite.	B-202	150.05	150.93	.88	n/a
			B-203	150.93	152.29	1.36	n/a
			B-204	152.29	153.80	1.51	n/a
			B-205	153.80	155.27	1.47	<5
			B-206	155.27	156.66	1.39	n/a
			B-207	156.66	158.03	1.37	n/a
			B-208	158.03	159.33	1.30	n/a
		182.50 195.07 Medium to pale grey, moderately banded, intermediate tuffaceous schist with moderate	B-209	159.33	160.63	1.30	n/a
			B-210	160.63	162.04	1.41	<5
			B-211	162.04	163.50	1.46	n/a
			B-212	163.50	164.91	1.41	n/a

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
		silicification. More bleached than above. 5% disseminated pyrite.	B-213	164.91	166.40	1.49	n/a
			B-214	166.40	167.87	1.47	n/a
			B-215	167.87	169.37	1.50	<5
			B-216	169.37	170.83	1.46	n/a
			B-217	170.83	172.34	1.51	n/a
	195.07	End of hole.	B-218	172.34	173.81	1.47	n/a
			B-219	173.81	175.25	1.44	n/a
		Casing left in hole.	B-220	175.25	176.70	1.45	<5
			B-221	176.70	178.51	1.81	n/a
			B-222	178.51	179.61	1.10	n/a
			B-223	179.61	181.06	1.45	n/a
			B-224	181.06	182.45	1.39	n/a
			B-225	182.45	183.97	1.52	15
			B-226	183.97	185.46	1.49	n/a
			B-227	185.46	186.90	1.44	n/a
			B-228	186.90	188.27	1.37	n/a
			B-229	188.27	189.72	1.45	n/a
			B-230	189.72	191.11	1.39	n/a
			B-231	191.11	192.52	1.41	n/a
			B-232	192.52	193.95	1.43	n/a
			B-233	193.95	195.07	1.12	n/a

KERR ADDI MINES LTD.

DIAMOND DRILL RECORD

Co-ord.: 3+30S 57+50E
Azimuth: 180.0
Dip: -70.0
Elevation: .0
Length: 181.96 metres
Twp./Area: MELCHETT LAKE

Drill Type: Boyles 25A
Core Size: B.Q.

HOLE NO.: KAR-02
Property: MELCHETT O-25 RELF ZONE

Date Started: Feb. 13 1987
Date Completed: Feb. 17 1987
Logged by: BARRY OTTON
Date Logged:

Claim number: 676458

Dip Tests

181.96 -54.0

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
.00	1.52	OVERBURDEN					
1.52	33.93	INTERMEDIATE TUFFACEOUS SCHIST					
		Dark grey, fine-grained intermediate tuffaceous schist.	B-234	1.52	4.00	2.48	25
			B-235	4.00	5.46	1.46	10
		Tiger striped appearance and a moderate schistosity at 45 degrees to core axis. Moderately bedded parallel to the schistosity and weakly silicified.	B-236	5.46	6.85	1.39	n/a
			B-237	6.85	8.23	1.38	n/a
			B-238	8.23	9.70	1.47	n/a
			B-239	9.70	11.17	1.47	n/a
			B-240	11.17	12.57	1.40	<5
		1-3% Disseminated pyrite. Main minerals are feldspar, biotite, hornblende and quartz.	B-241	12.57	14.04	1.47	n/a
			B-242	14.04	15.45	1.41	n/a
			B-243	15.45	16.90	1.45	n/a
			B-244	16.90	18.32	1.42	n/a
		Occassional pale green altered sections or 1 cm medium-grained chlorite rich layers.	B-245	18.32	19.80	1.48	5
			B-246	19.80	21.25	1.45	n/a
			B-247	21.25	22.74	1.49	n/a
		7.8 to 14.4 : magnetite bearing horizon.	B-248	22.74	24.18	1.44	n/a
			B-249	24.18	25.73	1.55	n/a
			B-250	25.73	27.30	1.57	40
		22.5 : 15 cm quartz vein with strike 090 degrees and dip 65 degrees north.	B-251	27.30	28.77	1.47	n/a
			B-252	28.77	30.24	1.47	n/a
			B-253	30.24	31.71	1.47	n/a
		33.93 : lower contact is sharp, at 30 degrees to core axis.	B-254	31.71	33.15	1.44	n/a
			B-255	33.15	33.93	.78	<5
33.93	60.37	ANDESITIC TUFFS					
			B-256	33.93	34.60	.67	n/a

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
		Dark green, poorly banded, fine-grained tuff. Moderate foliation at 30 degrees to core axis. Trace to 1% pyrite. Minor biotite.	B-257	34.60	36.00	1.40	n/a
			B-258	36.00	37.48	1.48	n/a
			B-259	37.48	38.95	1.47	n/a
			B-260	38.95	40.39	1.44	<5
			B-261	40.39	41.76	1.37	n/a
		Occassional 2 to 10 cm clean quartz veins at 090 degrees dipping 70 degrees north.	B-262	41.76	43.28	1.52	n/a
			B-263	43.28	44.70	1.42	n/a
			B-264	44.70	46.12	1.42	n/a
		Occassional feldspar chlorite carbonate veins.	B-265	46.12	47.61	1.49	10
			B-266	47.61	48.96	1.35	n/a
			B-267	48.96	50.40	1.44	n/a
		51.48 to 52.4 : dark grey banded tuff as at beginning of hole. upper contact and lower contact are sharp.	B-268	50.40	51.84	1.44	n/a
			B-269	51.84	53.28	1.44	n/a
			B-270	53.28	54.65	1.37	25
		Lower contact is gradational.	B-271	54.65	56.10	1.45	n/a
			B-272	56.10	57.54	1.44	n/a
			B-273	57.54	58.91	1.37	n/a
			B-274	58.91	60.37	1.46	n/a
60.37	181.96	INTERMEDIATE TUFFACEOUS SCHIST					
			B-275	60.37	61.81	1.44	25
		Dark to medium grey, fine-grained intermediate tuff schist. Speckled appearance along the schistosity.	B-276	61.81	63.28	1.47	n/a
			B-277	63.28	64.67	1.39	n/a
			B-278	64.67	66.14	1.47	n/a
			B-279	66.14	67.60	1.46	n/a
		Moderately schistose at 45 degrees to core axis.. Biotite rich. 3% disseminated pyrite.Up to 5% medium-grained garnet.	B-280	67.60	69.10	1.50	40
			B-281	69.10	70.50	1.40	n/a
			B-282	70.50	72.00	1.50	n/a
		Occassional 2 to 10 cm quartz veins, with trace pyrite, parallel to schistosity.	B-283	72.00	73.43	1.43	n/a
			B-284	73.43	74.88	1.45	n/a
			B-285	74.88	76.24	1.36	15
			B-286	76.24	77.70	1.46	n/a
		71.12 to 71.33 : layer with 20% quartz seams, 72% pale grey tuff and 8% fine-grained, disseminated pyrite.	B-287	77.70	79.11	1.41	n/a
			B-288	79.11	80.58	1.47	n/a
			B-289	80.58	82.00	1.42	n/a
			B-290	82.00	83.42	1.42	10
		147.45 : fractures with strike 190 degrees and dip 55 degrees E healed with carbonate and dusty black sphalerite.	B-291	83.42	84.94	1.52	n/a
			B-292	84.94	86.40	1.46	n/a
			B-293	86.40	87.91	1.51	n/a
			B-294	87.91	89.38	1.47	n/a
		152.0 : 7 cm true width of quartz and tuff layers and 15% coarse-grained dark brown sphalerite, 7% coarse-grained pyrite and 4% pyrrhotite, all parallel to schistosity at 60 degrees to core axis.	B-295	89.38	90.83	1.45	10
			B-296	90.83	92.24	1.41	n/a
			B-297	92.24	93.65	1.41	n/a
			B-298	93.65	95.09	1.44	n/a
			B-299	95.09	96.62	1.53	n/a
		160.4 : 3 mm with 4% medium-grained pyrite, 10% light brown soft mineral and 2% galena.	B-300	96.62	98.12	1.50	25
			B-301	98.12	99.60	1.48	n/a
			B-302	99.60	101.05	1.45	n/a
			B-303	101.05	102.55	1.50	n/a

from (m)	to (m)	Description
		161.48 : 10 cm true width of 20% quartz seams, 4% dark brown sphalerite, 5% pyrite, 4% chalcopyrite as a tube structure with strike 160 degrees and plunge 80 degrees.
		181.96 End of hole.
		Casing left in hole.

Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
B-304	102.55	104.00	1.45	n/a
B-305	104.00	105.52	1.52	15
B-306	105.52	107.02	1.50	n/a
B-307	107.02	108.49	1.47	n/a
B-308	108.49	109.94	1.45	n/a
B-309	109.94	111.44	1.50	n/a
B-310	111.44	112.94	1.50	5
B-311	112.94	114.44	1.50	n/a
B-312	114.44	115.91	1.47	n/a
B-313	115.91	117.40	1.49	n/a
B-314	117.40	118.88	1.48	n/a
B-315	118.88	120.38	1.50	5
B-316	120.38	121.86	1.48	n/a
B-317	121.86	123.30	1.44	n/a
B-318	123.30	124.77	1.47	n/a
B-319	124.77	126.22	1.45	n/a
B-320	126.22	127.67	1.45	5
B-321	127.67	129.14	1.47	n/a
B-322	129.14	130.60	1.46	n/a
B-323	130.60	132.06	1.46	n/a
B-324	132.06	133.54	1.48	n/a
B-325	133.54	135.05	1.51	5
B-326	135.05	136.55	1.50	n/a
B-327	136.55	138.05	1.50	n/a
B-328	138.05	139.44	1.39	n/a
B-329	139.44	140.92	1.48	n/a
B-330	140.92	142.34	1.42	20
B-331	142.34	143.74	1.40	<5
B-332	143.74	145.28	1.54	n/a
B-333	145.28	146.70	1.42	10
B-334	146.70	148.16	1.46	<5
B-335	148.16	149.63	1.47	5
B-336	149.63	151.07	1.44	20
B-337	151.07	152.53	1.46	n/a
B-338	152.53	154.02	1.49	n/a
B-339	154.02	155.52	1.50	n/a
B-340	155.52	156.97	1.45	20
B-341	156.97	158.47	1.50	35
B-342	158.47	159.95	1.48	30
B-343	159.95	161.40	1.45	n/a
B-344	161.40	162.81	1.41	n/a
B-345	162.81	164.30	1.49	40
B-346	164.30	165.74	1.44	15
B-347	165.74	167.21	1.47	n/a
B-348	167.21	168.66	1.45	n/a
B-349	168.66	170.15	1.49	n/a
B-350	170.15	171.60	1.45	20
B-351	171.60	173.13	1.53	80
B-352	173.13	174.60	1.47	n/a
B-353	174.60	176.11	1.51	n/a

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
			B-354	176.11	177.60	1.49	n/a
			B-355	177.60	179.10	1.50	25
			B-356	179.10	180.51	1.41	n/a
			B-357	180.51	181.96	1.45	n/a

KERR ADDISON MINES LTD.

DIAMOND DRILL RECORD

Co-ords: 4+30 S L 56+80 E
Azimuth: 180.0
Dip: -70.0
Elevation: .0
Length: 212.44 metres
Twp./Area: MELCHETT LAKE

Drill Type: Boyles 25A
Core Size: BQ

HOLE NO.: KAR-03
Property: MELCHETT O-25 ELF ZONE

Date Started: Feb. 17,1987
Date Completed: Feb. 20, 1987
Logged by: BARRY OTTON
Date Logged:

Claim number: 676467

Dip Tests

212.44 -54.0

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
.00	1.52	OVERBURDEN					
1.52	212.44	INTERMEDIATE TUFFACEOUS SCHIST					
		Medium to dark grey, fine-grained intermediate tuffaceous schist. Moderate schistosity at 30 degrees to core axis. Laminations are poorly developed. Strongly silicified. Contains 15% biotite and 1% disseminated pyrite. Locally up to 10% garnet. Occassional 5 cm quartz chlorite veins perpendicular to schistosity.	B-358	1.52	3.08	1.56	n/a
			B-359	3.08	4.64	1.56	n/a
			B-360	4.64	6.14	1.50	5
			B-361	6.14	7.64	1.50	n/a
			B-362	7.64	9.14	1.50	n/a
			B-363	9.14	10.63	1.49	n/a
			B-364	10.63	12.12	1.49	n/a
			B-365	12.12	13.54	1.42	<5
			B-366	13.54	14.99	1.45	n/a
			B-367	14.99	16.46	1.47	n/a
			B-368	16.46	17.92	1.46	n/a
			B-369	17.92	19.34	1.42	n/a
			B-370	19.34	20.76	1.42	<5
			B-371	20.76	21.20	.44	n/a
			B-372	21.20	23.65	2.45	n/a
			B-373	23.65	25.10	1.45	n/a
			B-374	25.10	26.52	1.42	n/a
			B-375	26.52	28.00	1.48	5
			B-376	28.00	29.48	1.48	n/a
			B-377	29.48	30.95	1.47	n/a
			B-378	30.95	32.39	1.44	n/a
			B-379	32.39	33.80	1.41	n/a
			B-380	33.80	35.31	1.51	10
			B-381	35.31	36.68	1.37	n/a
			B-382	36.68	38.10	1.42	n/a
			B-383	38.18	39.60	1.42	n/a
			B-384	39.60	41.00	1.40	n/a
	28.00 78.30	5% disseminated pyrite and trace orangy brown sphalerite.					
	74.80 75.26	20% very fine-grained and medium-grained pyrite as bedding layers, 4% sphalerite and 30% quartz flooding along bedding.					
	76.54 77.25	Quartz vein parallel to schistosity with 10% fragment of tuff and 2% pyrite.					
	95.85 98.40	10% quartz flooding along bedding. 3% pyrite in quartz and 4% pyrite and trace pyrrhotite in the tuff.					

from (m)	to (m)	Description
118.00	118.86	20% pyrite, 3% pyrrhotite, 2% sphalerite and 10% quartz in dark grey tuffaceous schist.
130.50	131.50	Pale grey felsic tuffaceous schist with 10% quartz which contains 8% very fine-grained disseminated pyrite , 3% pyrrhotite and 1% sphalerite.
131.50	212.44	Dark grey, intermediate tuffaceous schist with moderate schistosity at 55 degrees to core axis and a weakly banded appearance due to biotite rich and biotite poor layers. The schist contains 5 to 10% garnet , 3% disseminated pyrite and is locally chloritic.
205.75	206.80	Quartz vein stockwork with 3% sphalerite in the chlorite rich selvages. 4% Pyrite , trace chalcopyrite and minor carbonate in the quartz.
212.44		End of hole.
		Casing left in hole.

Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
B-385	41.00	42.47	1.47	65
B-386	42.47	43.96	1.49	n/a
B-387	43.96	45.40	1.44	n/a
B-388	45.40	46.81	1.41	n/a
B-389	46.81	48.24	1.43	n/a
B-390	48.24	49.70	1.46	55
B-391	49.70	51.17	1.47	n/a
B-392	51.17	52.60	1.43	n/a
B-393	52.60	54.03	1.43	n/a
B-394	54.03	55.48	1.45	n/a
B-395	55.48	56.99	1.51	25
B-396	56.99	58.42	1.43	n/a
B-397	58.42	59.84	1.42	n/a
B-398	59.84	61.25	1.41	n/a
B-399	61.25	62.71	1.46	n/a
B-400	62.71	64.20	1.49	<5
B-401	64.20	65.78	1.58	n/a
B-402	65.78	67.24	1.46	n/a
B-403	67.24	68.70	1.46	n/a
B-404	68.70	70.16	1.46	n/a
B-405	70.16	71.69	1.53	35
B-406	71.69	73.17	1.48	n/a
B-407	73.17	74.66	1.49	n/a
B-408	74.66	76.13	1.47	35
B-409	76.13	77.55	1.42	n/a
B-410	77.55	79.05	1.50	15
B-411	79.05	80.46	1.41	n/a
B-412	80.46	81.88	1.42	n/a
B-413	81.88	83.33	1.45	n/a
B-414	83.33	84.80	1.47	n/a
B-415	84.80	86.25	1.45	10
B-416	86.25	87.70	1.45	n/a
B-417	87.70	89.13	1.43	n/a
B-418	89.13	90.60	1.47	n/a
B-419	90.60	92.05	1.45	n/a
B-420	92.05	93.57	1.52	<5
B-421	93.57	95.00	1.43	n/a
B-422	95.00	96.52	1.52	n/a
B-423	96.52	98.00	1.48	15
B-424	98.00	99.50	1.50	n/a
B-425	99.50	100.95	1.45	10
B-426	100.95	102.42	1.47	n/a
B-427	102.42	103.90	1.48	n/a
B-428	103.90	105.37	1.47	n/a
B-429	105.37	106.87	1.50	n/a
B-430	106.87	108.37	1.50	5
B-431	108.37	109.84	1.47	n/a
B-432	109.84	111.29	1.45	n/a
B-433	111.29	112.73	1.44	n/a
B-434	112.73	114.20	1.47	n/a

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
			B-435	114.20	115.64	1.44	<5
			B-436	115.64	117.52	1.88	n/a
			B-437	117.52	118.90	1.38	295
			B-438	118.90	120.17	1.27	125
			B-439	120.17	121.52	1.35	n/a
			B-440	121.52	123.00	1.48	35
			B-441	123.00	124.38	1.38	n/a
			B-442	124.38	125.85	1.47	n/a
			B-443	125.85	127.37	1.52	n/a
			B-444	127.37	128.80	1.43	n/a
			B-445	128.80	130.25	1.45	35
			B-446	130.25	131.70	1.45	115
			B-447	131.70	133.20	1.50	n/a
			B-448	133.20	134.72	1.52	n/a
			B-449	134.72	136.20	1.48	n/a
			B-450	136.20	137.64	1.44	460
			B-451	137.64	139.08	1.44	n/a
			B-452	139.08	140.50	1.42	n/a
			B-453	140.50	142.03	1.53	n/a
			B-454	142.03	143.52	1.49	n/a
			B-455	143.52	144.96	1.44	<5
			B-456	144.96	146.40	1.44	n/a
			B-457	146.40	147.84	1.44	n/a
			B-458	147.84	149.30	1.46	n/a
			B-459	149.30	150.77	1.47	n/a
			B-460	150.77	152.16	1.39	5
			B-461	152.16	153.59	1.43	n/a
			B-462	153.59	155.00	1.41	n/a
			B-463	155.00	156.45	1.45	n/a
			B-464	156.45	157.93	1.48	n/a
			B-465	157.93	159.42	1.49	15
			B-466	159.42	160.90	1.48	n/a
			B-467	160.90	162.30	1.40	n/a
			B-468	162.30	163.76	1.46	n/a
			B-469	163.76	165.20	1.44	n/a
			B-470	165.20	166.62	1.42	5
			B-471	166.62	168.08	1.46	n/a
			B-472	168.08	169.51	1.43	n/a
			B-473	169.51	170.92	1.41	n/a
			B-474	170.92	172.44	1.52	n/a
			B-475	172.44	173.87	1.43	20
			B-476	173.87	175.38	1.51	n/a
			B-477	175.38	176.87	1.49	n/a
			B-478	176.87	178.37	1.50	n/a
			B-479	178.37	179.84	1.47	n/a
			B-480	179.84	181.28	1.44	10
			B-481	181.28	182.68	1.40	n/a
			B-482	182.68	184.22	1.54	n/a
			B-483	184.22	185.72	1.50	n/a
			B-484	185.72	187.23	1.51	n/a

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
			B-485	187.23	188.69	1.46	5
			B-486	188.69	190.16	1.47	n/a
			B-487	190.16	191.64	1.48	n/a
			B-488	191.64	193.13	1.49	n/a
			B-489	193.13	194.60	1.47	n/a
			B-490	194.60	196.00	1.40	5
			B-491	196.00	197.64	1.64	n/a
			B-492	197.64	199.13	1.49	n/a
			B-493	199.13	200.58	1.45	n/a
			B-494	200.58	202.00	1.42	n/a
			B-495	202.00	203.46	1.46	<5
			B-496	203.46	204.97	1.51	n/a
			B-497	204.97	205.75	.78	n/a
			B-498	205.75	206.80	1.05	10
			B-499	206.80	207.87	1.07	10
			B-500	207.87	209.40	1.53	n/a
			B-501	209.40	210.92	1.52	n/a
			B-502	210.92	212.44	1.52	n/a

KERR ADDI MINES LTD.

DIAMOND DRILL RECORD

Co-ords: 4+20 N L18+00 E
Azimuth: 180.0
Dip: -70.0
Elevation: .0
Length: 212.44 metres
Twp./Area:

Drill Type: Boyles 37A
Core Size: BQ

HOLE NO.: KAN2-1
Property: MELCHETT O-25
NAKINA 2

Date Started: Feb. 13, 1987
Date Completed: Feb. 20, 1987
Logged by: B.O.
Date Logged:

Claim number: 766648

Dip Tests

212.44 -66.0

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
.00	1.52	OVERBURDEN					
1.52	109.94	FELSIC TUFFACEOUS SCHIST Pale to medium grey, fine-grained felsic tuffaceous schist with tiger striped appearance. Strongly laminated parallel to a moderate schistosity at 40 degrees to core axis. The schist is non silicified. Main minerals are feldspar, biotite, quartz, hornblende and garnet. Minor magnetite is present. 5-7% disseminated pyrite and 1-2% disseminated pyrrhotite. Occassional fractures with strike 165 degrees and dip 75 degrees E which are associated with pale green bleaching, chlorite alteration and minor pyrite. 20.20 21.40 1% disseminated chalcopyrite. 41.84 42.08 Blocky, highly fractured core. 54.10 63.90 Medium to dark grey, silicified tuff with tiger striped appearance and moderate schistosity. Disseminated pyrite is 7%. 102.00 105.44 Numerous hairline fractures at all angles to core axis with pale green carbonate	D-100	1.52	3.26	1.74	30
			D-101	3.26	4.80	1.54	50
			D-102	4.80	6.30	1.50	40
			D-103	6.30	7.80	1.50	50
			D-104	7.80	9.27	1.47	45
			D-105	9.27	10.77	1.50	25
			D-106	10.77	12.17	1.40	20
			D-107	12.17	13.60	1.43	20
			D-108	13.60	14.96	1.36	50
			D-109	14.96	16.41	1.45	10
			D-110	16.41	17.83	1.42	35
			D-111	17.83	19.47	1.64	40
			D-112	19.47	21.05	1.58	50
			D-113	21.05	22.54	1.49	20
			D-114	22.54	24.00	1.46	20
			D-115	24.00	25.49	1.49	35
			D-116	25.49	26.93	1.44	35
			D-117	26.93	28.37	1.44	30
			D-118	28.37	29.78	1.41	35
			D-119	29.78	31.20	1.42	20
			D-120	31.20	32.61	1.41	40
			D-121	32.61	34.10	1.49	35
			D-122	34.10	35.60	1.50	80
			D-123	35.60	37.12	1.52	50
			D-124	37.12	38.71	1.59	50
			D-125	38.71	40.23	1.52	265
			D-126	40.23	41.76	1.53	40

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
		alteration. Occassional slip planes with strike 240 degrees and dip 45 degrees S.	D-127	41.76	43.20	1.44	25
			D-128	43.20	44.49	1.29	20
			D-129	44.49	45.64	1.15	15
			D-130	45.64	47.16	1.52	25
			D-131	47.16	48.60	1.44	30
			D-132	48.60	50.06	1.46	30
			D-133	50.06	51.44	1.38	25
			D-134	51.44	52.95	1.51	15
			D-135	52.95	54.39	1.44	30
			D-136	54.39	55.50	1.11	60
			D-137	55.50	57.00	1.50	25
			D-138	57.00	58.50	1.50	<5
			D-139	58.50	60.00	1.50	15
			D-140	60.00	61.42	1.42	5
			D-141	61.42	62.95	1.53	20
			D-142	62.95	65.98	3.03	20
			D-143	65.98	67.41	1.43	15
			D-144	67.41	68.90	1.49	10
			D-145	68.90	70.40	1.50	15
			D-146	70.40	71.86	1.46	20
			D-147	71.86	73.30	1.44	20
			D-148	73.30	74.50	1.20	25
			D-149	74.50	76.07	1.57	20
			D-150	76.07	77.56	1.49	15
			D-151	77.56	79.02	1.46	20
			D-152	79.02	80.50	1.48	10
			D-153	80.50	82.00	1.50	10
			D-154	82.00	83.41	1.41	35
			D-155	83.41	84.88	1.47	20
			D-156	84.88	86.65	1.77	60
			D-157	86.65	88.16	1.51	20
			D-158	88.16	89.50	1.34	5
			D-159	89.50	90.77	1.27	10
			D-160	90.77	92.21	1.44	15
			D-161	92.21	93.60	1.39	15
			D-162	93.60	95.12	1.52	20
			D-163	95.12	96.62	1.50	5
			D-164	96.62	98.04	1.42	15
			D-165	98.04	99.60	1.56	5
			D-166	99.60	101.01	1.41	10
			D-167	101.01	102.50	1.49	5
			D-168	102.50	104.02	1.52	10
			D-169	104.02	105.44	1.42	10
			D-170	105.44	106.87	1.43	20
			D-171	106.87	108.14	1.27	15
			D-172	108.14	109.94	1.80	20
109.94	212.44	INTERMEDIATE TUFFACEOUS SCHIST					
			D-173	109.94	111.30	1.36	10

from (m)	to (m)	Description
		Medium grey, fine-grained intermediate tuffaceous schist with moderate schistosity at 40 degrees to core axis. Moderately silicified. 7% disseminated pyrite and up to 15% biotite. Numerous quartz seams parallel to the bedding. Locally intensely silicified with minor fractured and brecciated sections.
139.30	143.70	30% soft pale green alteration along the bedding at 50 degrees to core axis.
186.43		a 15 cm zone with 20% pyrite and 3% syrup coloured sphalerite.
206.00	210.00	Light grey, silicified section with 5 to 10% pyrite.
212.44		End of hole.
		Casing left in hole.

Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
D-174	111.30	112.71	1.41	25
D-175	112.71	113.99	1.28	20
D-176	113.99	115.38	1.39	15
D-177	115.38	116.66	1.28	15
D-178	116.66	118.12	1.46	<5
D-179	118.12	119.54	1.42	<5
D-180	119.54	120.93	1.39	25
D-181	120.93	122.37	1.44	5
D-182	122.37	123.81	1.44	20
D-183	123.81	125.22	1.41	35
D-184	125.22	126.84	1.62	20
D-185	126.84	128.24	1.40	5
D-186	128.24	129.50	1.26	<5
D-187	129.50	130.30	.80	15
D-188	130.30	131.83	1.53	<5
D-189	131.83	133.35	1.52	<5
D-190	133.35	134.60	1.25	40
D-191	134.60	136.00	1.40	45
D-192	136.00	137.17	1.17	10
D-193	137.17	138.64	1.47	5
D-194	138.64	139.92	1.28	<5
D-195	139.92	141.44	1.52	15
D-196	141.44	143.34	1.90	40
D-197	143.34	144.78	1.44	45
D-198	144.78	146.18	1.40	60
D-199	146.18	147.92	1.74	40
D-200	147.92	149.67	1.75	30
D-201	149.67	151.17	1.50	10
D-202	151.17	152.55	1.38	<5
D-203	152.55	154.00	1.45	35
D-204	154.00	155.49	1.49	40
D-205	155.49	156.97	1.48	30
D-206	156.97	158.45	1.48	50
D-207	158.45	159.78	1.33	45
D-208	159.78	161.23	1.45	35
D-209	161.23	162.67	1.44	25
D-210	162.67	164.17	1.50	25
D-211	164.17	165.60	1.43	20
D-212	165.60	167.00	1.40	10
D-213	167.00	168.40	1.40	10
D-214	168.40	169.60	1.20	20
D-215	169.60	171.07	1.47	<5
D-216	171.07	172.30	1.23	10
D-217	172.30	173.70	1.40	40
D-218	173.70	175.10	1.40	45
D-219	175.10	176.50	1.40	15
D-220	176.50	178.00	1.50	5
D-221	178.00	179.13	1.13	5
D-222	179.13	180.64	1.51	<5
D-223	180.64	181.96	1.32	15

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
			D-224	181.96	183.50	1.54	25
			D-225	183.50	185.00	1.50	30
			D-226	185.00	186.41	1.41	25
			D-227	186.41	187.84	1.43	20
			D-228	187.84	189.30	1.46	25
			D-229	189.30	190.84	1.54	25
			D-230	190.84	192.30	1.46	45
			D-231	192.30	193.84	1.54	5
			D-232	193.84	195.22	1.38	<5
			D-233	195.22	196.70	1.48	15
			D-234	196.70	198.16	1.46	<5
			D-235	198.16	199.60	1.44	<5
			D-236	199.60	201.04	1.44	10
			D-237	201.04	202.50	1.46	10
			D-238	202.50	203.96	1.46	10
			D-239	203.96	205.40	1.44	10
			D-240	205.40	206.91	1.51	20
			D-241	206.91	208.39	1.48	15
			D-242	208.39	209.85	1.46	<5
			D-243	209.85	211.30	1.45	20
			D-244	211.30	212.44	1.14	15

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ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

CERTIFICATE OF ANALYSIS A8711574

To: KERR ADDISON MINES LTD.
P.O. BOX 91
COMMERCE COURT WEST
TORONTO, ONTARIO
M5L 1C7

Page No. : 1-A
Tot. Pages: 1
Date : 27-JUN-87
Invoice # : I-8711574
P.O. # :

Project : MELCHETT (0-25)
Comments: ATT'N JOHN WAHL

SAMPLE DESCRIPTION	PREP CODE		Mo ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	P ppm (ICP)	Pb ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Ni ppm (ICP)	Ba ppm (ICP)	Fe % (ICP)	Mn ppm (ICP)	Cr ppm (ICP)	Mg % (ICP)
B-100	214	232	< 1	< 10	172	480	40	< 2	< 0.5	14	27	300	4.51	715	200	1.11
B-105	214	232	< 1	< 10	73	470	10	< 2	< 0.5	12	26	250	4.41	750	171	1.25
B-110	214	232	1	< 10	86	490	10	< 2	< 0.5	14	28	230	4.39	760	200	1.07
B-115	214	232	< 1	< 10	136	480	15	< 2	< 0.5	14	26	280	4.37	585	195	1.18
B-120	214	232	4	< 10	77	540	10	< 2	< 0.5	12	29	270	4.30	680	200	1.78
B-125	214	232	2	< 10	61	480	5	< 2	< 0.5	13	28	280	4.42	830	150	1.62
B-130	214	232	1	< 10	119	460	10	< 2	< 0.5	11	26	280	3.20	730	160	1.04
B-135	214	232	2	< 10	84	520	5	< 2	< 0.5	15	31	240	4.54	690	220	1.93
B-140	214	232	< 1	< 10	205	450	20	< 2	< 0.5	15	34	430	4.92	860	160	1.71
B-145	214	232	1	< 10	38	510	10	< 2	< 0.5	14	34	320	4.59	490	230	1.89
B-150	214	232	8	< 10	41	560	10	< 2	< 0.5	19	116	430	5.06	480	345	1.98
B-155	214	232	1	< 10	48	410	5	< 2	< 0.5	14	68	390	4.39	545	280	1.89
B-160	214	232	5	< 10	73	400	10	< 2	< 0.5	13	69	410	3.88	840	240	1.53
B-165	214	232	7	< 10	64	540	10	< 2	0.5	21	49	1590	4.74	435	250	1.06
B-170	214	232	13	< 10	520	550	45	< 2	1.0	14	126	340	4.60	1220	405	1.57
B-175	214	232	13	< 10	240	460	40	< 2	< 0.5	11	105	260	4.21	1270	360	1.77
B-180	214	232	12	< 10	5310	580	2100	10	17.0	31	166	225	6.44	3290	530	1.50
B-185	214	232	7	< 10	510	440	80	4	1.0	14	83	420	4.53	2020	350	1.93
B-190	214	232	7	< 10	127	520	20	< 2	< 0.5	14	76	280	4.56	1010	290	1.82
B-195	214	232	4	< 10	158	550	40	< 2	< 0.5	12	33	330	4.22	935	190	1.41
B-200	214	232	< 1	< 10	128	670	10	< 2	< 0.5	35	167	60	6.15	1140	625	6.21
B-205	214	232	< 1	< 10	80	610	10	< 2	< 0.5	14	32	230	5.10	890	165	3.23
B-210	214	232	3	< 10	96	580	5	< 2	< 0.5	16	61	340	4.82	770	195	2.06
B-215	214	232	4	< 10	76	500	5	< 2	< 0.5	12	66	230	3.84	675	240	1.84
B-220	214	232	< 1	< 10	75	580	5	< 2	< 0.5	14	33	220	4.44	765	145	1.96

CERTIFICATION : B. Cuff

Chemex Labs Ltd.
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450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA, ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

CERTIFICATE OF ANALYSIS A8711574

To: KERR ADDISON MINES LTD.
P.O. BOX 91
COMMERCE COURT WEST
TORONTO, ONTARIO
M5L 1C7

Page No. : 1-B
Tot. Pages: 1
Date : 27-JAN-87
Invoice # : I-8-1574
P.O. # :

Project : MELCHETT (0-25)
Comments: ATT'N JOHN WAHL

SAMPLE DESCRIPTION	PREP CODE		V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)				
B-100	214	232	66	8.23	1.0	2.88	48	< 0.5	0.289	114	1.96	1.68				
B-105	214	232	69	8.46	1.0	3.51	35	< 0.5	0.367	160	2.08	1.27				
B-110	214	232	63	8.58	1.0	3.41	51	1.0	0.350	136	2.13	1.79				
B-115	214	232	67	8.18	1.0	3.50	39	< 0.5	0.334	103	1.20	1.91				
B-120	214	232	68	9.02	1.5	3.77	39	< 0.5	0.365	140	2.19	1.60				
B-125	214	232	65	8.37	1.0	3.70	45	< 0.5	0.368	127	1.91	1.69				
B-130	214	232	55	7.20	1.0	1.94	36	1.0	0.240	76	1.39	2.63				
B-135	214	232	66	8.41	1.0	3.32	43	1.0	0.325	79	1.35	2.12				
B-140	214	232	64	8.55	1.0	3.01	44	< 0.5	0.286	88	1.41	2.45				
B-145	214	232	64	8.45	1.0	3.55	45	< 0.5	0.358	100	1.36	1.98				
B-150	214	232	65	8.43	1.0	3.04	62	1.0	0.260	94	2.26	1.44				
B-155	214	232	68	7.67	1.0	2.97	40	< 0.5	0.343	87	1.58	1.33				
B-160	214	232	56	8.07	1.0	3.06	40	< 0.5	0.306	117	2.53	1.08				
B-165	214	232	67	8.70	1.5	1.41	47	1.0	0.252	157	1.71	2.02				
B-170	214	232	55	7.75	1.0	3.13	74	< 0.5	0.316	113	2.05	1.32				
B-175	214	232	52	7.16	1.0	1.98	76	1.0	0.274	92	1.61	1.51				
B-180	214	232	37	6.66	1.0	2.21	115	8.5	0.286	54	0.70	1.78				
B-185	214	232	49	6.54	1.0	1.73	93	1.5	0.286	88	1.12	1.82				
B-190	214	232	62	7.94	1.0	2.67	41	1.0	0.331	90	1.86	1.89				
B-195	214	232	59	7.03	1.0	3.12	47	2.5	0.299	55	0.39	2.30				
B-200	214	232	128	6.58	1.0	6.25	34	1.0	0.224	144	1.50	0.49				
B-205	214	232	74	8.55	1.0	2.15	47	1.0	0.392	97	1.99	1.63				
B-210	214	232	69	8.46	1.0	3.18	52	1.0	0.367	106	2.09	1.65				
B-215	214	232	58	6.80	1.0	2.68	44	1.0	0.324	89	2.32	0.83				
B-220	214	232	70	8.19	1.0	3.34	47	1.0	0.375	124	2.87	0.73				

CERTIFICATION : B. Cumfer

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PHONE (416) 890-0310

CERTIFICATE OF ANALYSIS A8711 72

To : KERR ADDISON MINES LTD.
P.O. BOX 91
COMMERCE COURT WEST
TORONTO, ONTARIO
M5L 1C7

Page No. : 1
Tot. Pages: 1
Date : 27-[illegible]-87
Invoice # : I-8[illegible]1572
P.O. # :

Project : MELCHETT (0-25)
Comments: ATT'N JOHN WAHL

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA
B-100	205	---	< 5
B-105	205	---	< 5
B-110	205	---	< 5
B-115	205	---	< 5
B-120	205	---	< 5
B-125	205	---	< 5
B-129	205	---	< 5
B-130	205	---	< 5
B-135	205	---	< 5
B-140	205	---	< 5
B-145	205	---	< 5
B-150	205	---	< 5
B-155	205	---	< 5
B-160	205	---	< 5
B-165	205	---	10
B-170	205	---	< 5
B-175	205	---	< 5
B-180	205	---	20
B-185	205	---	5
B-190	205	---	< 5
B-195	205	---	145
B-200	205	---	< 5
B-205	205	---	< 5
B-210	205	---	< 5
B-215	205	---	< 5
B-220	205	---	< 5

CERTIFICATION : Hart Bichler

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PHONE (416) 890-0310

CERTIFICATE OF ANALYSIS A8711 25

To : KERR ADDISON MINES LTD.
P.O. BOX 91
COMMERCE COURT WEST
TORONTO, ONTARIO
M5L 1C7

Page No. : 1-A
Tot. Pages: 1
Date : 23 R-87
Invoice # : I-8/11825
P.O. # : NONE

Project : KAR-02 MELCHETT 0-25
Comments: ATTN: J. WAHL

SAMPLE DESCRIPTION	PREP CODE		Mo ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	P ppm (ICP)	Pb ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Ni ppm (ICP)	Ba ppm (ICP)	Fe % (ICP)	Mn ppm (ICP)	Cr ppm (ICP)	Mg % (ICP)
B-225	214	232	< 1	< 10	179	690	25	< 2	< 0.5	18	35	420	4.68	1240	215	1.76
B-234	214	232	3	< 10	1050	530	130	< 2	3.0	17	32	560	4.33	1470	175	1.49
B-235	214	232	< 1	< 10	300	510	30	< 2	< 0.5	18	39	340	5.03	820	195	2.11
B-240	214	232	< 1	< 10	104	490	10	< 2	< 0.5	15	33	280	3.90	870	145	1.46
B-245	214	232	1	< 10	76	510	5	< 2	< 0.5	14	37	240	4.08	785	180	1.53
B-250	214	232	< 1	< 10	89	600	10	< 2	< 0.5	27	103	450	5.29	1260	360	4.06
B-255	214	232	< 1	< 10	68	580	5	< 2	< 0.5	40	168	90	5.58	1050	585	6.09
B-260	214	232	< 1	< 10	69	650	10	< 2	< 0.5	37	149	120	5.59	1040	430	5.47
B-265	214	232	2	< 10	1630	530	60	< 2	6.0	16	38	650	3.74	1190	115	1.91
B-270	214	232	< 1	< 10	88	660	15	< 2	1.0	45	200	190	6.43	1160	745	6.90
B-275	214	232	2	< 10	465	800	200	< 2	< 0.5	21	47	610	4.48	1250	130	2.01
B-280	214	232	< 1	< 10	1230	460	200	< 2	3.5	16	33	430	3.42	1570	175	1.96
B-285	214	232	3	< 10	205	480	30	< 2	< 0.5	14	33	370	4.05	1200	145	2.39
B-290	214	232	4	< 10	79	480	10	< 2	10.0	14	32	240	3.79	740	160	1.47
B-295	214	232	4	< 10	425	600	60	< 2	< 0.5	17	35	570	4.26	1420	120	1.97
B-300	214	232	3	< 10	205	500	40	< 2	< 0.5	14	35	390	3.68	1520	105	1.96
B-305	214	232	< 1	< 10	770	490	90	< 2	0.5	15	35	350	4.53	2080	140	2.75
B-310	214	232	3	< 10	102	510	10	< 2	< 0.5	15	37	620	3.86	1180	115	1.65
B-315	214	232	1	< 10	126	510	10	< 2	< 0.5	13	33	360	3.51	880	105	1.60
B-320	214	232	< 1	< 10	178	560	10	< 2	< 0.5	17	36	460	4.43	1230	180	2.07
B-325	214	232	< 1	< 10	73	480	40	< 2	< 0.5	20	39	370	4.58	1060	175	2.56
B-330	214	232	< 1	< 10	265	600	60	< 2	< 0.5	20	45	1020	4.67	2110	215	3.23
B-331	214	232	1	< 10	330	480	40	< 2	1.5	20	40	940	4.32	2050	140	3.40
B-333	214	232	< 1	< 10	495	590	80	< 2	< 0.5	17	41	1100	4.66	2010	165	3.72
B-334	214	232	3	< 10	410	530	90	< 2	< 0.5	17	42	1000	4.62	1630	105	4.50
B-335	214	232	2	< 10	310	520	130	< 2	< 0.5	18	41	900	4.96	2220	140	3.42
B-336	214	232	< 1	< 10	1280	510	110	< 2	5.5	17	37	1120	4.86	2210	130	2.84
B-340	214	232	2	< 10	2020	620	400	< 2	4.5	17	41	1050	4.48	3450	165	1.62
B-341	214	232	< 1	< 10	1310	400	350	< 2	2.0	13	34	510	2.92	1770	160	0.78
B-342	214	232	1	< 10	555	370	140	< 2	1.5	15	32	1230	1.82	1100	215	0.80
B-345	214	232	< 1	< 10	3810	440	430	< 2	6.5	13	31	370	5.06	2580	200	2.48
B-346	214	232	< 1	< 10	820	400	160	< 2	< 0.5	15	32	670	3.97	2650	230	1.98
B-350	214	232	< 1	< 10	360	340	20	< 2	< 0.5	12	36	1100	3.29	1580	195	1.85
B-351	214	232	< 1	< 10	690	330	110	< 2	< 0.5	12	38	750	3.47	1170	175	1.15
B-355	214	232	< 1	< 10	315	350	100	< 2	< 0.5	14	39	1070	3.40	1700	110	1.23

CERTIFICATION : B. C...

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD., E., UNIT 14, MISSISSAUGA, ONTARIO, CANADA L4Z-1R5
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CERTIFICATE OF ANALYSIS A8711025

To : KERR ADDISON MINES LTD.
P.O. BOX 91
COMMERCE COURT WEST
TORONTO, ONTARIO
M5L 1C7

Page No. : 1-B
Tot. Pages: 1
Date : 23-JAN-87
Invoice # : I-8711825
P.O. # : NONE

Project : KAR-02 MELCHETT 0-25
Comments: ATTN: J. WAHL

SAMPLE DESCRIPTION	PREP CODE		V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)				
B-225	214	232	75	8.60	1.5	3.14	56	1.0	0.240	105	2.63	1.52				
B-234	214	232	64	7.29	1.5	1.98	200	2.5	0.295	69	0.67	2.07				
B-235	214	232	73	8.35	1.0	2.30	52	1.0	0.267	97	2.64	1.60				
B-240	214	232	62	7.37	1.0	3.09	55	< 0.5	0.323	110	2.92	0.80				
B-245	214	232	67	8.18	1.5	3.43	51	< 0.5	0.355	131	3.05	0.87				
B-250	214	232	126	8.93	1.5	5.43	85	< 0.5	0.339	210	2.35	1.51				
B-255	214	232	174	6.21	1.5	5.92	63	< 0.5	0.210	330	2.52	0.18				
B-260	214	232	155	6.48	2.0	5.46	69	< 0.5	0.211	330	2.62	0.27				
B-265	214	232	71	7.49	1.5	2.08	51	1.5	0.345	172	2.73	1.51				
B-270	214	232	184	7.13	2.0	6.48	97	< 0.5	0.240	345	2.59	0.49				
B-275	214	232	109	8.50	1.5	3.81	250	5.5	0.384	193	2.81	1.76				
B-280	214	232	63	6.54	1.0	1.73	63	2.0	0.246	41	0.62	1.72				
B-285	214	232	71	7.43	1.0	2.16	56	< 0.5	0.322	77	1.66	1.33				
B-290	214	232	71	7.31	1.0	2.85	41	< 0.5	0.330	150	3.06	0.62				
B-295	214	232	73	7.97	1.0	3.03	63	< 0.5	0.305	113	1.49	1.71				
B-300	214	232	67	7.04	1.0	2.22	50	< 0.5	0.282	71	1.28	1.71				
B-305	214	232	68	7.57	1.0	1.63	55	< 0.5	0.290	60	1.81	1.72				
B-310	214	232	66	7.74	1.0	3.29	54	< 0.5	0.325	82	1.70	1.62				
B-315	214	232	64	7.06	1.0	2.98	52	< 0.5	0.311	77	2.01	1.24				
B-320	214	232	78	7.90	1.0	2.85	61	< 0.5	0.416	70	2.42	1.37				
B-325	214	232	82	8.56	1.0	2.44	56	< 0.5	0.406	59	2.40	1.83				
B-330	214	232	83	8.55	1.0	2.05	69	< 0.5	0.377	59	2.05	2.27				
B-331	214	232	73	7.52	1.0	1.97	57	< 0.5	0.366	54	1.54	1.88				
B-333	214	232	82	8.25	1.0	1.56	42	< 0.5	0.349	57	2.04	2.32				
B-334	214	232	83	8.21	1.0	2.04	35	< 0.5	0.388	63	1.80	2.20				
B-335	214	232	74	7.68	1.0	2.08	51	1.5	0.400	69	1.81	1.81				
B-336	214	232	67	6.83	1.0	1.61	81	1.5	0.373	45	1.09	2.57				
B-340	214	232	78	7.97	1.0	1.43	69	2.5	0.427	66	2.06	3.72				
B-341	214	232	57	6.44	1.0	1.16	51	3.0	0.247	67	1.08	2.91				
B-342	214	232	62	6.62	1.0	1.05	45	1.0	0.252	55	0.68	3.00				
B-345	214	232	57	6.99	1.0	1.32	171	3.0	0.316	54	0.41	3.92				
B-346	214	232	60	7.26	1.0	1.49	54	1.5	0.307	90	0.90	3.78				
B-350	214	232	58	6.61	1.0	0.67	14	2.0	0.241	52	0.30	3.89				
B-351	214	232	56	6.60	0.5	0.39	27	3.0	0.237	51	0.45	4.73				
B-355	214	232	58	7.05	1.0	1.08	62	1.5	0.249	54	1.60	3.51				

CERTIFICATION : B. Cranfield

Chemex Labs Ltd.
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450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA, ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

CERTIFICATE OF ANALYSIS A8711 24

To : KERR ADDISON MINES LTD.
P.O. BOX 91
COMMERCE COURT WEST
TORONTO, ONTARIO
M5L 1C7

Page No. : 1
Tot. Pages: 1
Date : 05 R-87
Invoice # : I-8711824
P.O. # : NONE

Project : KAR-02 MELCHETT 0-25
Comments: ATTN: J. WAHL

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA
B-225	205	---	15
B-234	205	---	25
B-235	205	---	10
B-240	205	---	< 5
B-245	205	---	5
B-250	205	---	40
B-255	205	---	< 5
B-260	205	---	< 5
B-265	205	---	10
B-270	205	---	25
B-275	205	---	25
B-280	205	---	40
B-285	205	---	15
B-290	205	---	10
B-295	205	---	10
B-300	205	---	25
B-305	205	---	15
B-310	205	---	5
B-315	205	---	5
B-320	205	---	5
B-325	205	---	5
B-330	205	---	20
B-331	205	---	< 5
B-333	205	---	10
B-334	205	---	< 5
B-335	205	---	5
B-336	205	---	20
B-340	205	---	20
B-341	205	---	35
B-342	205	---	30
B-345	205	---	40
B-346	205	---	15
B-350	205	---	20
B-351	205	---	80
B-355	205	---	25

CERTIFICATION : Hart Bichler

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD., E., UNIT 14, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

CERTIFICATE OF ANALYSIS A871)78

To: KERR ADDISON MINES LTD.
P.O. BOX 91
COMMERCE COURT WEST
TORONTO, ONTARIO
M5L 1C7

Page No. : 1-A
Tot. Pages: 2
Date : 23)R-87
Invoice # : I-. .1878
P.O. # :

Project : MELCHETT 0-25 KAR-03
Comments: ATT'N JOHN WAHL

SAMPLE DESCRIPTION	PREP CODE		Mo ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	P ppm (ICP)	Pb ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Ni ppm (ICP)	Ba ppm (ICP)	Fe % (ICP)	Mn ppm (ICP)	Cr ppm (ICP)	Mg % (ICP)
B-360	214	232	< 1	< 10	183	490	130	< 2	1.0	16	36	620	4.34	1570	195	1.86
B-365	214	232	< 1	< 10	600	540	270	< 2	3.5	17	37	260	4.42	965	180	1.79
B-370	214	232	< 1	< 10	168	510	70	< 2	1.0	17	36	310	4.38	890	170	1.56
B-375	214	232	2	< 10	540	560	230	< 2	3.0	20	39	590	5.07	2300	185	2.99
B-380	214	232	2	< 10	3260	460	370	< 2	6.0	17	38	840	5.10	2740	180	2.31
B-390	214	232	< 1	< 10	1680	390	220	< 2	3.5	16	33	520	4.76	2760	155	2.46
B-395	214	232	< 1	< 10	1630	470	310	< 2	3.0	16	31	520	4.53	2660	145	2.07
B-400	214	232	1	< 10	460	390	25	< 2	0.4	12	25	950	3.19	1720	150	1.78
B-405	214	232	< 1	< 10	960	270	40	< 2	2.0	12	28	1000	3.26	1780	160	1.03
B-408	214	232	< 1	< 10	>10000	250	450	< 2	34.0	17	30	210	8.22	1270	225	0.85
B-410	214	232	< 1	< 10	1060	490	100	< 2	3.0	13	36	1260	3.44	3030	160	1.39
B-415	214	232	3	< 10	167	560	25	< 2	< 0.5	14	40	850	3.97	1370	205	1.63
B-420	214	232	2	< 10	640	460	160	< 2	1.0	14	35	920	3.83	2060	155	1.51
B-423	214	232	17	< 10	460	400	60	< 2	< 0.5	15	29	730	4.74	2030	230	1.58
B-425	214	232	< 1	< 10	1600	460	270	< 2	5.0	16	36	1370	4.08	2120	175	1.61
B-430	214	232	< 1	< 10	215	420	55	< 2	< 0.5	17	35	1030	3.66	1410	190	1.50
B-435	214	232	< 1	< 10	615	420	100	< 2	0.5	15	36	1120	3.83	2680	155	2.01
B-437	214	232	< 1	< 10	9750	210	800	< 2	28.0	62	17	280	14.20	995	215	0.82
B-438	214	232	< 1	< 10	1130	420	110	< 2	2.5	18	26	470	5.79	2120	175	1.62
B-440	214	232	< 1	< 10	600	480	90	< 2	2.0	13	29	1200	2.80	1530	210	1.08
B-445	214	232	< 1	< 10	720	420	125	< 2	1.5	20	36	660	4.87	2950	215	1.68
B-446	214	232	< 1	< 10	1160	480	150	< 2	4.0	20	29	510	5.44	2110	205	1.16
B-450	214	232	< 1	< 10	1300	420	45	< 2	1.0	21	34	1020	5.68	2400	165	1.47
B-455	214	232	< 1	< 10	430	500	30	< 2	< 0.5	17	36	870	4.68	2250	195	2.24
B-460	214	232	1	< 10	1910	480	50	< 2	6.5	19	37	570	4.88	1680	170	1.91
B-465	214	232	< 1	< 10	1410	410	160	< 2	5.5	14	33	620	4.03	1440	175	1.40
B-470	214	232	< 1	< 10	805	480	80	< 2	< 0.5	16	38	930	4.85	2780	140	2.12
B-475	214	232	< 1	< 10	790	520	550	< 2	< 0.5	19	45	1440	5.20	4160	205	2.29
B-480	214	232	< 1	< 10	300	560	90	< 2	< 0.5	16	44	740	4.29	3210	185	1.74
B-485	214	232	< 1	< 10	710	520	20	< 2	< 0.5	17	45	760	4.54	1550	225	1.45
B-490	214	232	< 1	< 10	295	480	50	< 2	< 0.5	16	40	560	4.28	2200	180	1.47
B-495	214	232	2	< 10	340	490	30	< 2	< 0.5	14	39	940	4.38	1720	205	1.51
B-498	214	232	1	< 10	1390	1780	30	< 2	22.5	8	18	290	3.01	1890	230	1.01
B-500	214	232	1	< 10	420	450	40	< 2	< 0.5	19	41	830	6.01	2520	210	1.71
B-505	214	232	1	< 10	105	490	5	< 2	< 0.5	17	42	390	4.62	1070	205	1.58
B-510	214	232	3	< 10	80	440	10	< 2	< 0.5	12	30	280	3.73	600	130	1.12
B-515	214	232	< 1	< 10	72	420	5	< 2	< 0.5	12	27	230	3.10	415	120	1.52
B-520	214	232	4	< 10	54	530	5	< 2	< 0.5	17	35	260	4.51	825	145	1.41
B-525	214	232	3	< 10	50	440	5	< 2	< 0.5	12	25	240	2.63	435	120	0.76
B-530	214	232	3	< 10	86	410	5	< 2	< 0.5	15	28	260	4.41	1030	170	1.58

CERTIFICATION :

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA, ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

CERTIFICATE OF ANALYSIS A8715178

To: KERR ADDISON MINES LTD.
P.O. BOX 91
COMMERCE COURT WEST
TORONTO, ONTARIO
M5L 1C7

Page No. : 1-B
Tot. Pages: 2
Date : 23 APR-87
Invoice # : I-1878
P.O. # :

Project : MELCHETT 0-25 KAR-03
Comments: ATT'N JOHN WAHL

SAMPLE DESCRIPTION	PREP CODE		V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)				
B-360	214	232	73	8.11	1.0	2.76	55	< 0.5	0.346	88	1.97	1.86				
B-365	214	232	75	8.31	1.0	3.40	71	1.5	0.381	189	3.35	0.61				
B-370	214	232	74	7.78	1.0	3.48	63	< 0.5	0.376	183	2.85	0.73				
B-375	214	232	77	8.45	1.0	1.87	68	< 0.5	0.338	63	1.86	2.19				
B-380	214	232	63	6.69	1.0	1.47	59	< 0.5	0.325	44	1.95	2.16				
B-390	214	232	63	7.81	1.0	0.87	89	8.5	0.352	89	0.37	5.59				
B-395	214	232	63	7.48	1.0	0.74	50	3.0	0.364	105	0.36	4.86				
B-400	214	232	52	7.22	1.0	2.11	26	< 0.5	0.273	73	0.21	3.70				
B-405	214	232	44	5.76	0.5	1.15	46	< 0.5	0.206	63	0.20	2.90				
B-408	214	232	38	4.61	0.5	0.82	145	3.0	0.171	37	0.15	1.96				
B-410	214	232	53	6.50	1.0	1.11	60	1.0	0.293	53	0.24	3.03				
B-415	214	232	66	8.17	1.0	2.60	44	< 0.5	0.351	88	1.32	2.82				
B-420	214	232	53	6.75	1.0	2.11	50	< 0.5	0.285	87	1.60	1.92				
B-423	214	232	48	5.97	1.0	2.05	106	1.5	0.245	86	0.28	2.67				
B-425	214	232	58	7.09	1.0	1.24	575	1.0	0.299	76	0.59	3.22				
B-430	214	232	67	7.75	1.0	2.83	58	< 0.5	0.308	94	1.40	2.67				
B-435	214	232	64	7.53	1.0	2.19	52	< 0.5	0.313	95	1.15	2.88				
B-437	214	232	12	2.28	< 0.5	1.07	2580	19.5	0.086	22	0.11	0.69				
B-438	214	232	46	6.06	1.0	2.33	1440	3.5	0.229	47	0.38	2.02				
B-440	214	232	54	7.03	1.0	0.98	60	1.0	0.277	55	1.30	2.44				
B-445	214	232	71	9.11	1.0	2.35	720	3.5	0.355	66	0.76	3.73				
B-446	214	232	65	7.41	1.0	1.51	575	4.0	0.296	49	0.65	2.84				
B-450	214	232	68	7.34	1.0	1.72	182	2.5	0.305	82	1.00	3.34				
B-455	214	232	78	9.01	1.0	1.62	68	< 0.5	0.394	88	3.23	2.58				
B-460	214	232	73	7.92	1.0	2.40	225	1.0	0.344	68	1.95	2.23				
B-465	214	232	58	8.18	1.5	2.23	210	2.0	0.302	64	2.43	2.48				
B-470	214	232	75	8.24	1.5	1.86	68	< 0.5	0.383	71	1.72	2.69				
B-475	214	232	63	8.66	1.5	2.45	117	< 0.5	0.370	115	0.68	3.09				
B-480	214	232	64	8.62	1.5	2.38	66	< 0.5	0.353	123	3.09	1.99				
B-485	214	232	70	9.14	1.5	3.04	60	< 0.5	0.370	135	3.07	1.90				
B-490	214	232	66	9.04	1.0	3.05	68	< 0.5	0.356	91	1.93	2.55				
B-495	214	232	61	8.33	1.0	2.59	68	< 0.5	0.310	102	2.72	1.90				
B-498	214	232	24	2.98	0.5	2.26	121	< 0.5	0.147	38	0.19	0.58				
B-500	214	232	59	8.37	1.0	2.60	360	< 0.5	0.307	97	1.77	1.99				
B-505	214	232	76	8.97	1.5	4.09	51	< 0.5	0.375	135	1.95	1.34				
B-510	214	232	64	8.30	1.0	3.35	52	< 0.5	0.317	136	2.78	0.83				
B-515	214	232	54	8.21	1.0	2.90	37	< 0.5	0.286	129	2.98	0.64				
B-520	214	232	68	7.86	1.0	3.98	59	< 0.5	0.364	143	1.84	0.69				
B-525	214	232	63	7.58	1.0	2.68	39	< 0.5	0.279	160	2.29	0.62				
B-530	214	232	64	7.96	1.0	4.68	49	< 0.5	0.307	170	1.90	0.62				

CERTIFICATION : B. Cuff

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

CERTIFICATE OF ANALYSIS A8711876

To: KERR ADDISON MINES LTD.
P.O. BOX 91
COMMERCE COURT WEST
TORONTO, ONTARIO
M5L 1C7

Page No. : 1
Tot. Pages: 2
Date : 09 JUL-87
Invoice # : I-8711876
P.O. # :

Project : MELCHETT 0-25 KAR-03
Comments: ATT'N JOHN WAHL

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA
B-360	205	---	5
B-365	205	---	< 5
B-370	205	---	< 5
B-375	205	---	5
B-380	205	---	10
B-385	205	---	65
B-390	205	---	55
B-395	205	---	25
B-400	205	---	< 5
B-405	205	---	35
B-408	205	---	35
B-410	205	---	15
B-415	205	---	10
B-420	205	---	< 5
B-423	205	---	15
B-425	205	---	10
B-430	205	---	5
B-435	205	---	< 5
B-437	205	---	295
B-438	205	---	125
B-440	205	---	35
B-445	205	---	35
B-446	205	---	115
B-450	205	---	460
B-455	205	---	< 5
B-460	205	---	5
B-465	205	---	15
B-470	205	---	5
B-475	205	---	20
B-480	205	---	10
B-485	205	---	5
B-490	205	---	5
B-495	205	---	< 5
B-498	205	---	10
B-500	205	---	10
B-505	205	---	< 5
B-510	205	---	< 5
B-515	205	---	< 5
B-520	205	---	5
B-525	205	---	5

CERTIFICATION : Stan Bichler

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA, ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

CERTIFICATE OF ANALYSIS A871 78

To: KERR ADDISON MINES LTD.
P.O. BOX 91
COMMERCE COURT WEST
TORONTO, ONTARIO
M5L 1C7

Page No. : 2-A
Tot. Pages: 2
Date : 23 R-87
Invoice # : I-8/11878
P.O. # :

Project : MELCHETT 0-25 KAR-03
Comments: ATT'N JOHN WAHL

SAMPLE DESCRIPTION	PREP CODE		Mo ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	P ppm (ICP)	Pb ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Ni ppm (ICP)	Ba ppm (ICP)	Fe % (ICP)	Mn ppm (ICP)	Cr ppm (ICP)	Mg % (ICP)
B-535	214	232	< 1	< 10	64	420	5	< 2	< 0.5	14	27	220	3.55	835	165	1.49
B-540	214	232	< 1	< 10	78	480	340	< 2	< 0.5	20	51	220	4.18	955	195	1.38
B-543	214	232	< 1	< 10	51	670	5	< 2	< 0.5	21	52	320	5.18	1160	155	1.93
B-544	214	232	3	< 10	61	430	10	< 2	< 0.5	15	32	210	3.63	795	185	1.48
B-545	214	232	3	< 10	80	430	5	< 2	< 0.5	21	42	230	4.67	1250	150	2.09

CERTIFICATION :

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA, ONTARIO, CANADA L4Z-1R5
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CERTIFICATE OF ANALYSIS A8711 78

To: KERR ADDISON MINES LTD.
P.O. BOX 91
COMMERCE COURT WEST
TORONTO, ONTARIO
M5L 1C7

Page No. : 2-B
Tot. Pages: 2
Date : 23 R-87
Invoice # : I-8/11878
P.O. # :

Project : MELCHETT 0-25 KAR-03
Comments: ATT'N JOHN WAHL

SAMPLE DESCRIPTION	PREP CODE		V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)				
B-535	214	232	73	7.70	1.0	3.86	45	< 0.5	0.338	151	2.05	0.76				
B-540	214	232	70	7.80	1.5	3.80	61	< 0.5	0.350	121	1.65	0.85				
B-543	214	232	93	11.10	1.5	4.53	53	< 0.5	0.548	182	2.00	1.34				
B-544	214	232	67	7.46	1.0	3.35	52	< 0.5	0.332	121	1.63	0.82				
B-545	214	232	67	7.56	1.0	4.83	72	< 0.5	0.321	112	1.40	0.77				

CERTIFICATION :

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA, ONTARIO, CANADA L4Z-1R5
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CERTIFICATE OF ANALYSIS A8711876

To: KERR ADDISON MINES LTD.
P.O. BOX 91
COMMERCE COURT WEST
TORONTO, ONTARIO
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Page No. : 2
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Project : MELCHETT 0-25 KAR-03
Comments: ATT'N JOHN WAHL

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA
B-530	205	---	10
B-535	205	---	< 5
B-540	205	---	< 5
B-543	205	---	< 5
B-544	205	---	5
B-545	205	---	5

CERTIFICATION : Hans Bichler

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA, ONTARIO, CANADA L4Z-1R5
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CERTIFICATE OF ANALYSIS A8 7 1 27

To: KERR ADDISON MINES LTD.
P.O. BOX 91
COMMERCE COURT WEST
TORONTO, ONTARIO
M5L 1C7

Page No. : 1-A
Tot. Pages: 1
Date : 23 R-87
Invoice # : I-8 1827
P.O. # : NONE

Project : KAN2-01 MELCHETT 0-2
Comments: ATTN: J. WAHL

SAMPLE DESCRIPTION	PREP CODE		Mo ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	P ppm (ICP)	Pb ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Ni ppm (ICP)	Ba ppm (ICP)	Fe % (ICP)	Mn ppm (ICP)	Cr ppm (ICP)	Mg % (ICP)
D-100	214	232	2	< 10	75	390	10	< 2	< 0.5	18	37	640	4.80	760	150	1.40
D-105	214	232	2	< 10	120	340	20	< 2	< 0.5	17	38	450	4.40	835	165	1.36
D-110	214	232	< 1	< 10	255	410	70	< 2	< 0.5	16	40	510	4.92	1510	165	1.87
D-115	214	232	< 1	< 10	315	450	50	< 2	0.5	17	45	430	4.35	1120	180	1.45
D-120	214	232	1	< 10	305	450	40	< 2	< 0.5	15	44	390	4.18	1010	245	1.47
D-125	214	232	< 1	< 10	630	380	40	< 2	< 0.5	16	42	390	5.59	775	185	1.25
D-130	214	232	< 1	< 10	765	470	35	< 2	1.5	15	44	460	4.40	1310	215	1.66
D-135	214	232	< 1	< 10	265	390	45	< 2	< 0.5	15	41	340	4.10	950	160	1.69
D-140	214	232	1	< 10	96	370	15	< 2	< 0.5	16	41	370	3.80	960	235	2.34
D-145	214	232	4	< 10	55	400	20	< 2	< 0.5	15	41	350	3.68	920	165	1.96
D-150	214	232	2	< 10	154	350	15	< 2	< 0.5	16	39	340	3.89	1000	160	1.95
D-155	214	232	< 1	< 10	115	330	20	< 2	< 0.5	17	38	370	3.82	840	135	1.93
D-160	214	232	< 1	< 10	58	330	15	< 2	< 0.5	13	35	320	3.63	580	140	2.18
D-165	214	232	1	< 10	99	420	10	< 2	< 0.5	14	36	300	3.95	1230	200	3.14
D-170	214	232	4	< 10	98	440	15	< 2	< 0.5	19	49	450	4.20	1150	220	2.62
D-175	214	232	2	< 10	220	410	20	< 2	< 0.5	15	53	450	4.05	1350	320	2.70
D-180	214	232	1	< 10	590	510	80	< 2	< 0.5	24	82	290	4.59	1460	485	4.11
D-185	214	232	2	< 10	84	620	20	< 2	< 0.5	20	87	470	3.79	935	285	3.26
D-190	214	232	< 1	< 10	29	500	10	< 2	< 0.5	14	40	320	4.37	660	165	1.97
D-195	214	232	< 1	< 10	30	450	10	< 2	< 0.5	12	34	410	3.31	445	180	1.74

CERTIFICATION : B. Cook

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA, ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

CERTIFICATE OF ANALYSIS A8711827

To: KERR ADDISON MINES LTD.
P.O. BOX 91
COMMERCE COURT WEST
TORONTO, ONTARIO
M5L 1C7

Page No. : 1-B
Tot. Pages: 1
Date : 23 JUL-87
Invoice # : I-8711827
P.O. # : NONE

Project : KANI-01 MELCHETT 0-2
Comments: ATTN: J. WAHL

SAMPLE DESCRIPTION	PREP CODE		V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)				
D-100	214	232	68	7.32	1.0	2.23	44	< 0.5	0.263	41	0.70	2.15				
D-105	214	232	66	6.86	1.0	2.12	23	< 0.5	0.210	51	0.95	2.17				
D-110	214	232	58	6.48	1.0	1.90	168	1.0	0.252	54	0.76	1.50				
D-115	214	232	58	6.93	1.0	2.19	71	< 0.5	0.204	102	1.30	1.35				
D-120	214	232	60	7.93	1.5	2.81	62	< 0.5	0.188	130	1.88	1.16				
D-125	214	232	60	6.81	1.0	1.37	205	1.5	0.241	46	0.70	2.33				
D-130	214	232	61	7.12	1.0	2.43	45	< 0.5	0.246	84	0.86	2.05				
D-135	214	232	67	7.34	1.0	2.10	57	< 0.5	0.238	81	2.46	1.39				
D-140	214	232	71	7.75	1.5	3.42	34	< 0.5	0.236	114	1.22	1.94				
D-145	214	232	73	7.59	1.5	3.52	35	< 0.5	0.225	129	1.53	1.85				
D-150	214	232	70	7.86	1.5	2.16	43	< 0.5	0.267	74	1.00	2.33				
D-155	214	232	74	7.53	1.5	2.25	28	< 0.5	0.240	74	0.87	2.15				
D-160	214	232	58	6.44	1.0	1.53	15	< 0.5	0.200	54	0.63	1.83				
D-165	214	232	65	7.20	1.0	2.81	36	< 0.5	0.212	99	0.75	1.77				
D-170	214	232	78	7.02	1.5	2.86	55	< 0.5	0.203	93	1.03	1.90				
D-175	214	232	65	7.07	1.0	2.71	55	< 0.5	0.216	99	0.80	1.99				
D-180	214	232	90	6.65	1.5	4.44	83	1.5	0.229	73	0.89	1.16				
D-185	214	232	69	9.41	1.5	4.09	51	< 0.5	0.206	200	1.48	2.17				
D-190	214	232	65	8.13	1.0	1.70	31	1.0	0.283	92	2.45	1.84				
D-195	214	232	61	7.41	1.0	1.50	18	2.0	0.227	55	1.05	2.30				

CERTIFICATION :

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA, ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

CERTIFICATE OF ANALYSIS A8711880

T ERR ADDISON MINES LTD.
P.O. BOX 91
COMMERCE COURT WEST
TORONTO, ONTARIO
M5L 1C7

Page No : 1-A
Tot. Pages : 1
Date : 23-MAR-87
Invoice # : I-8711880
P.O. # :

Project : MELCHETT 0-25KAN2-01
Comments: ATT'N JOHN WAHL

SAMPLE DESCRIPTION	PREP CODE		Mo ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	P ppm (ICP)	Pb ppm (ICP)	Bi ppm (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Ni ppm (ICP)	Ba ppm (ICP)	Fe % (ICP)	Mn ppm (ICP)	Cr ppm (ICP)	Mg % (ICP)
D-200	214	232	2	< 10	1170	450	100	< 2	2.5	13	33	450	4.23	755	150	2.44
D-205	214	232	3	< 10	134	400	20	6	< 0.5	17	35	480	4.76	1060	155	3.14
D-210	214	232	< 1	< 10	76	390	20	6	< 0.5	15	32	410	4.11	600	170	1.87
D-215	214	232	4	< 10	75	445	5	< 2	< 0.5	12	28	305	4.05	750	135	1.45
D-220	214	232	2	< 10	58	410	5	< 2	0.5	15	28	220	4.06	645	145	2.01
D-225	214	232	4	< 10	54	430	10	< 2	< 0.5	18	35	390	5.09	535	230	2.82
D-230	214	232	< 1	< 10	58	390	5	< 2	< 0.5	12	28	320	3.57	640	190	2.61
D-235	214	232	< 1	< 10	164	370	5	7	< 0.5	14	42	310	3.33	755	265	2.48
D-240	214	232	4	< 10	132	430	15	< 2	< 0.5	16	50	550	4.82	1610	180	1.68

CERTIFICATION : B. C—

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CERTIFICATE OF ANALYSIS A8711880

To: KERR ADDISON MINES LTD.
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M5L 1C7

Page No. : 1-B
Tot. Pages: 1
Date : 23-[illegible]R-87
Invoice # : I-[illegible]1880
P.O. # :

Project : MICHETT 0-21(KAN)-01
Comments: ATT'N JOHN WAHL

SAMPLE DESCRIPTION	PREP CODE		V ppm (ICP)	Al % (ICP)	Be ppm (ICP)	Ca % (ICP)	Cu ppm (ICP)	Ag ppm AAS	Ti % (ICP)	Sr ppm (ICP)	Na % (ICP)	K % (ICP)				
D-200	214	232	56	7.41	1.0	1.76	39	1.5	0.185	124	1.72	1.12 1.53				
D-205	214	232	73	7.43	1.0	1.67	40	2.0	0.265	98	1.02	.97 2.19				
D-210	214	232	60	7.46	1.0	1.51	55	1.5	0.161	115	1.46	.94 1.56				
D-215	214	232	72	8.43	1.0	4.00	37	1.0	0.333	165	2.69	2.61 1.03				
D-220	214	232	66	8.61	1.0	2.61	73	1.0	0.179	131	3.23	3.29 0.98				
D-225	214	232	67	8.04	1.0	1.29	75	< 0.5	0.219	81	1.26	.66 1.90				
D-230	214	232	63	7.61	1.0	1.23	27	< 0.5	0.239	82	1.28	.67 1.91				
D-235	214	232	62	6.48	1.0	1.41	40	< 0.5	0.206	75	0.79	.57 1.39				
D-240	214	232	69	8.75	1.0	2.42	37	1.0	0.242	80	1.10	.57 2.94				

CERTIFICATION : [signature]

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CERTIFICATE OF ANALYSIS A8711 26

To: KERR ADDISON MINES LTD.
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M5L 1C7

Page No. : 1
Tot. Pages: 3
Date : 06)R-87
Invoice # : I-8.11826
P.O. # : NONE

Project : KAN2-01 MELCHETT 0-2
Comments: ATTN: J. WAHL

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA									
D-100	205	--	30									
D-101	205	--	50									
D-102	205	--	40									
D-103	205	--	50									
D-104	205	--	45									
D-105	205	--	25									
D-106	205	--	20									
D-107	205	--	20									
D-108	205	--	50									
D-109	205	--	10									
D-110	205	--	35									
D-111	205	--	40									
D-112	205	--	50									
D-113	205	--	20									
D-114	205	--	20									
D-115	205	--	35									
D-116	205	--	35									
D-117	205	--	30									
D-118	205	--	35									
D-119	205	--	20									
D-120	205	--	40									
D-121	205	--	35									
D-122	205	--	80									
D-123	205	--	50									
D-124	205	--	50									
D-125	205	--	265									
D-126	205	--	40									
D-127	205	--	25									
D-128	205	--	20									
D-129	205	--	15									
D-130	205	--	25									
D-131	205	--	30									
D-132	205	--	30									
D-133	205	--	25									
D-134	205	--	15									
D-135	205	--	30									
D-136	205	--	60									
D-137	205	--	25									
D-138	205	--	< 5									
D-139	205	--	15									

CERTIFICATION : Hart Bichler

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CERTIFICATE OF ANALYSIS A8711.26

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Project : KAN2-01 MELCHETT 0-2
Comments: ATTN: J. WAHL

Date :06 JUL-87
Invoice # :I-8711826
P.O. # :NONE

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA
D-140	205	---	5
D-141	205	---	20
D-142	205	---	20
D-143	205	---	15
D-144	205	---	10
D-145	205	---	15
D-146	205	---	20
D-147	205	---	20
D-148	205	---	25
D-149	205	---	20
D-150	205	---	15
D-151	205	---	20
D-152	205	---	10
D-153	205	---	10
D-154	205	---	35
D-155	205	---	20
D-156	205	---	60
D-157	205	---	20
D-158	205	---	5
D-159	205	---	10
D-160	205	---	15
D-161	205	---	15
D-162	205	---	20
D-163	205	---	5
D-164	205	---	15
D-165	205	---	5
D-166	205	---	10
D-167	205	---	5
D-168	205	---	10
D-169	205	---	10
D-170	205	---	20
D-171	205	---	15
D-172	205	---	20
D-173	205	---	10
D-174	205	---	25
D-175	205	---	20
D-176	205	---	15
D-177	205	---	15
D-178	205	---	< 5
D-179	205	---	< 5

CERTIFICATION : Ian Bichler

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CERTIFICATE OF ANALYSIS A8711826

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Page No. :3
Tot. Pages: 3
Date :06-MAR-87
Invoice # :I-8711826
P.O. # :NIL

Project : KAN2-01 MELCHETT 0-2
Comments: ATTN: J. WAHL

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA
D-180	205	--	25
D-181	205	--	5
D-182	205	--	20
D-183	205	--	35
D-184	205	--	20
D-185	205	--	5
D-186	205	--	< 5
D-187	205	--	15
D-188	205	--	< 5
D-189	205	--	< 5
D-190	205	--	40
D-191	205	--	45
D-192	205	--	10
D-193	205	--	5
D-194	205	--	< 5
D-195	205	--	15

CERTIFICATION : Hart Bichler

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CERTIFICATE OF ANALYSIS A8711879

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Page No :1
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Date :10-MAR-87
Invoice # :I-8711879
P.O. # :

Project : MELCHETT 0-25KAN2-01
Comments: ATT'N JOHN WAHL

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA
D-196	205	---	40
D-197	205	---	45
D-198	205	---	60
D-199	205	---	40
D-200	205	---	30
D-201	205	---	10
D-202	205	---	< 5
D-203	205	---	35
D-204	205	---	40
D-205	205	---	30
D-206	205	---	50
D-207	205	---	45
D-208	205	---	35
D-209	205	---	25
D-210	205	---	25
D-211	205	---	20
D-212	205	---	10
D-213	205	---	10
D-214	205	---	20
D-215	205	---	< 5
D-216	205	---	10
D-217	205	---	40
D-218	205	---	45
D-219	205	---	15
D-220	205	---	5
D-221	205	---	5
D-222	205	---	< 5
D-223	205	---	15
D-224	205	---	25
D-225	205	---	30
[illegible]	[illegible]		[illegible]
[illegible]	[illegible]		[illegible]
D-226	205	---	25
D-227	205	---	20
D-228	205	---	25
D-229	205	---	25
D-230	205	---	45
D-231	205	---	5
D-232	205	---	< 5
D-233	205	---	15
D-234	205	---	< 5
D-235	205	---	< 5

CERTIFICATION : Hart Buchler

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CERTIFICATE OF ANALYSIS A8711879

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M5L 1C7

Page N:)2
Tot. Pa.. 2
Date : 10-MAR-87
Invoice # : I-8711879
P.O. # :)

Project : MELCHETT 0-25KAN2-01
Comments: ATT'N JOHN WAHL

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA
D-236	205	--	10
D-237	205	--	10
D-238	205	--	10
D-239	205	--	10
D-240	205	--	20
D-241	205	--	15
D-242	205	--	< 5
D-243	205	--	20
D-244	205	--	15

CERTIFICATION : Hart Bichler

KERR ADDISON MINES LTD.

Co-ords: 4+50 N 21+00 E

HOLE NO.: KAN2-2

Azimuth: 180.0

DIAMOND DRILL RECORD

Property: Melchett O-50
Nakina 2

Dip: -60.0

Drill Type:JKS-300

Date Started: Oct 8/87

Elevation: .0

Core Size: BQ

Date Completed:Oct 10/87

Logged by: Andrew Ainslie

Length: 213.06 metres

Date Logged:

Twp./Area:

Claim number: 766640

65' 165'
KAN2-2
TB 766640

Dip Tests

213.06 -52.0

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
.00	16.80	OVERBURDEN					
16.80	62.78	MAFIC TO INTERMEDIATE METAVOLCANICS					
		Light greenish grey to dark bluish grey, fine-grained, slightly schistose, moderate to weak foliation, foliation at 50 degrees to core axis. Main minerals are quartz, feldspar, biotite, with occassional hornblende. 2-3% disseminated pyrite and pyrite cubes. Chlorite and disseminated pyrite associated with mafic minerals. Alternating massive to banded zones.	D-245	16.80	17.86	1.06	25
			D-246	17.86	19.30	1.44	60
			D-247	19.30	20.50	1.20	25
			D-248	20.50	22.05	1.55	10
			D-249	22.05	23.47	1.42	5
			D-250	23.47	24.93	1.46	5
			D-251	24.93	26.44	1.51	15
			D-252	26.44	27.97	1.53	15
			D-253	27.97	29.49	1.52	30
			D-254	29.49	30.89	1.40	30
			D-255	30.89	32.40	1.51	20
			D-256	32.40	33.95	1.55	20
		17.31 17.52 : silicified zone, barren quartz vein.	D-257	33.95	35.43	1.48	5
			D-258	35.43	36.90	1.47	25
		17.31 22.42 : blocky,highly fractured core.	D-259	36.90	38.42	1.52	5
		At 26.86 : increase in biotite. 3-5% disseminated pyrite, locally 5-7% disseminated pyrite.	D-260	38.42	39.90	1.48	<5
			D-261	39.90	41.40	1.50	5
			D-262	41.40	42.59	1.19	15
		37.70 40.46 : blocky,highly fractured core, disseminated pyrite parallel to foliation, occassional feldspar pseudomorphs.	D-263	42.59	44.10	1.51	15
			D-264	44.10	45.57	1.47	<5
			D-265	45.57	47.05	1.48	<5
			D-266	47.05	48.52	1.47	<5
		42.37 45.41 : 1-2% disseminated pyrite, massive, fine-grained, silicified.	D-267	48.52	49.99	1.47	<5
			D-268	49.99	51.56	1.57	<5
			D-269	51.56	53.43	1.87	<5

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
		At 45.41 increase in biotite and hornblende , 2-3% disseminated pyrite.	D-270	53.43	53.43	.00	<5
		At 45.99 core lost due to grinding , weakly banded , feldspar porphyritic , silicified zones.	D-271	53.43	54.21	.78	<5
		53.43 54.21 : mafic zone , fine-grained , massive , increase in amphobloes. Main minerals are feldspar , hornblende , biotite , quartz , and trace pyrite.	D-272	54.21	54.56	.35	15
			D-273	54.56	55.97	1.41	<5
			D-274	55.97	57.47	1.50	<5
			D-275	57.47	58.89	1.42	<5
			D-276	58.89	60.43	1.54	<5
			D-277	60.43	61.88	1.45	<5
			D-278	61.88	62.78	.90	<5
		53.90 54.05 Silicified zone , trace to 1% disseminated pyrite.					
		58.50 58.73 : silicified , hornblende rich zone , muscovite.					
		54.21 58.89 : massive , 1-2% disseminated pyrite , locally up to 5% disseminated pyrite.					
		58.89 62.78 : weakly to moderately banded , local sericite zones , 2-3% disseminated pyrite.					
62.78	64.05	AMPHIBOLITE					
			D-279	62.78	63.38	.60	<5
		Dark grey to greenish grey , fine-grained to medium-grained , massive. Main minerals are feldspar , hornblende , quartz , biotite , and trace disseminated pyrite. Upper contact gradational , contact at 35 degrees to core axis.	D-280	63.38	64.05	.67	<5
64.05	75.60	INTERMEDIATE TO FELSIC METAVOLCANICS					
			D-281	64.05	64.87	.82	<5
		Grey to light grey , medium-grained , weakly to moderately banded , moderate foliation , moderate schistose , slightly sericitized. Main minerals are feldspar , quartz , hornblende, muscovite , biotite. 1-2% disseminated pyrite and is parallel to foliation.	D-282	64.87	66.39	1.52	<5
			D-283	66.39	67.87	1.48	<5
			D-284	67.87	69.35	1.48	<5
			D-285	69.35	70.88	1.53	10
			D-286	70.88	72.35	1.47	10
			D-287	72.35	73.78	1.43	<5
			D-288	73.78	75.27	1.49	<5
			D-289	75.27	76.79	1.52	5
		At 69.50 : Decrease in hornblende , silicified , more felsic. Occassional mafic zones, felsic zones. Occassional sericite and muscovite rich zones.					

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
75.[illegible]	80.50	FELSIC METAVOLCANICS					
			D-290	76.79	78.26	1.47	<5
		Light greenish grey , medium-grained , weak foliation , weakly schistose , silicified. Main minerals are quartz , feldspar , sericite , biotite. Trace disseminated pyrite. Locally 2-3% disseminated pyrite. Minor qsv.	D-291	78.26	79.74	1.48	5
			D-292	79.74	81.25	1.51	10
		78.89 80.50 : gradational lower contact.					
80.5[illegible]	90.00	INTERMEDIATE METAVOLCANICS					
			D-293	81.25	82.71	1.46	5
		Grey to dark grey , medium-grained , massive to weakly banded. Main minerals are feldspar , quartz , hornblende , biotite , muscovite. 2-3% disseminated pyrite.	D-294	82.71	84.21	1.50	<5
			D-295	84.21	85.70	1.49	<5
			D-296	85.70	87.18	1.48	10
			D-297	87.18	88.64	1.46	20
		At 81.99 more massive , trace to 1% disseminated pyrite , locally 2-3% disseminated pyrite , trace disseminated pyrrhotite. Locally biotite , muscovite rich zones associated with disseminated pyrite.	D-298	88.64	90.17	1.53	20
		At 75.20 , 10 cm core lost due to grinding.					
90.[illegible]	132.91	INTERMEDIATE TO FELSIC METAVOLCANICS					
			D-299	90.17	91.62	1.45	20
		Light bluish grey , banded , moderate foliation , moderately schistose. Main minerals are feldspar , quartz , sericite , hornblende , biotite. 1-2% disseminated pyrite , trace disseminated pyrrhotite.	D-300	91.62	93.03	1.41	25
			D-301	93.03	94.49	1.46	60
			D-302	94.49	96.00	1.51	25
			D-303	96.00	97.53	1.53	35
			D-304	97.53	99.03	1.50	<5
			D-305	99.03	100.52	1.49	10
		101.73 105.84 Massive , moderately schistose	D-306	100.52	102.02	1.50	20
		105.84 132.91 2-3% disseminated pyrite , trace to 1% disseminated pyrrhotite associated with sericite banding , tiger striped appearance , foliation at 55 degrees to core axis. Occassional massive zones. Main minerals are feldspar , quartz , hornblende , biotite.	D-307	102.02	103.48	1.46	30
			D-308	103.48	104.99	1.51	45
			D-309	104.99	106.47	1.48	15
			D-310	106.47	107.95	1.48	55
			D-311	107.95	109.42	1.47	20
			D-312	109.42	110.91	1.49	<5
			D-313	110.91	112.42	1.51	20
			D-314	112.42	113.90	1.48	20
			D-315	113.90	115.40	1.50	<5
			D-316	115.40	116.88	1.48	<5
		119.03 123.41 Blocky,highly fractured core.	D-317	116.88	118.38	1.50	<5

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
		At 128.34 : serpentinite. Minor quartz veins at no preferred orientation.	D-318	118.38	119.86	1.48	15
			D-319	119.86	121.20	1.34	10
			D-320	121.20	122.63	1.43	40
			D-321	122.63	123.94	1.31	20
			D-322	123.94	125.38	1.44	15
			D-323	125.38	126.84	1.46	10
			D-324	126.84	128.34	1.50	205
			D-325	128.34	129.85	1.51	50
			D-326	129.85	131.38	1.53	15
			D-327	131.38	132.84	1.46	40
			D-328	132.84	134.41	1.57	20
132.91	140.24	AMPHIBOLITE					
			D-329	134.41	135.86	1.45	25
		Dark grey , medium-grained , weakly schistose , massive. Main minerals are feldspar , hornblende , quartz , biotite. 1-2% disseminated pyrite. Minor quartz veins 139.23 139.50 Broken core.	D-330	135.86	137.31	1.45	10
			D-331	137.31	138.77	1.46	30
			D-332	138.77	140.24	1.47	20
140.24	166.81	INTERMEDIATE METAVOLCANICS					
			D-333	140.24	141.74	1.50	15
		Grey to dark grey , medium-grained , moderately banded , moderately schistose. Main minerals are feldspar , quartz , hornblende , biotite. 2-3% disseminated pyrite. Locally 3-5% disseminated pyrite , locally 7-10% disseminated pyrite on shear planes. At 166.81 gradational lower contact.	D-334	141.74	143.26	1.52	15
			D-335	143.26	144.76	1.50	25
			D-336	144.76	146.25	1.49	25
			D-337	146.25	147.78	1.53	<5
			D-338	147.78	149.19	1.41	55
			D-339	149.19	150.68	1.49	5
			D-340	150.68	152.09	1.41	15
			D-341	152.09	153.57	1.48	25
			D-342	153.57	155.03	1.46	30
			D-343	155.03	156.39	1.36	20
			D-344	156.39	157.90	1.51	5
			D-345	157.90	159.38	1.48	10
			D-346	159.38	160.90	1.52	15
			D-347	160.90	162.33	1.43	<5
			D-348	162.33	163.83	1.50	<5
			D-349	163.83	165.31	1.48	<5
			D-350	165.31	166.81	1.50	<5
166.81	185.98	FELSIC METAVOLCANICS					
			D-351	166.81	168.32	1.51	<5
		Light greenish grey , fine-grained to medium-grained , weakly banded , moderately schistose , moderate foliation , foliation at 60 degrees to core axis. Main minerals	D-352	168.32	169.80	1.48	<5
			D-353	169.80	171.31	1.51	<5
			D-354	171.31	172.76	1.45	<5
			D-355	172.76	174.27	1.51	<5

from (m)	to (m)	Description	Sample No.	from (m)	to (m)	Length (m)	Au(ppb)
		are quartz , feldspar , muscovite , (hornblende , biotite). 1-2% disseminated pyrite , trace disseminated pyrrhotite. Locally slightly magnetic , locally 2-5% disseminated pyrite. Locally trace to 2% disseminated pyrrhotite. Occassional silicified zones , occassional intermediate zones with an increase in hornblende and biotite.	D-356	174.27	175.54	1.27	<5
			D-357	175.54	176.97	1.43	10
			D-358	176.97	178.45	1.48	5
			D-359	178.45	179.91	1.46	15
			D-360	179.91	181.33	1.42	10
			D-361	181.33	182.81	1.48	10
			D-362	182.81	184.30	1.49	<5
			D-363	184.30	185.75	1.45	<5
			D-364	185.75	187.23	1.48	10
		167.00 167.37 : broken core.					
		182.57 185.98 : locally 10-15% disseminated pyrite , 3-5% disseminated pyrrhotite. 2-3% disseminated pyrite generally.					
185.98	213.06	INTERMEDIATE METAVOLCANICS					
			D-365	187.23	188.66	1.43	<5
		Dark grey , medium-grained , weakly banded , weakly to moderately schistose , foliation at 50 degrees to core axis. Main minerals are quartz , feldspar , hornblende , biotite , muscovite , and trace to 1% disseminated pyrite.	D-366	188.66	190.17	1.51	<5
			D-367	190.17	191.72	1.55	5
			D-368	191.72	193.21	1.49	<5
			D-369	193.21	194.68	1.47	<5
			D-370	194.68	196.15	1.47	<5
			D-371	196.15	197.64	1.49	<5
			D-372	197.64	199.12	1.48	<5
		193.21 197.64 : coarser grained pink orthoclase present. Main minerals are quartz , feldspar , hornblende , biotite , muscovite and almost gneissic in texture. 1-2% disseminated pyrite.	D-373	199.12	200.66	1.54	<5
			D-374	200.66	202.13	1.47	<5
			D-375	202.13	203.62	1.49	<5
			D-376	203.62	205.06	1.44	<5
			D-377	205.06	206.54	1.48	<5
			D-378	206.54	208.04	1.50	<5
			D-379	208.04	209.49	1.45	<5
		209.49 209.73 Broken core.	D-380	209.49	210.97	1.48	<5
		209.90 213.06 : garnet , tiger striped appearance , trace disseminated pyrite.	D-381	210.97	212.48	1.51	5
			D-382	212.48	213.06	.58	<5
		213.06 : end of hole.					
		Casing left in hole.					

John Du Mahl

DIAMOND DRILL RECORD

MELCHETT LAKE SYNDICATE INC.

Project:- Melchett Lake
DDH No.:- KAR-09

Collar Location :-L57+00E - 2+50S
Length of Hole:- 619m
Dip at Collar:- 75° Dip at End:- 56.2°
Azimuth at Collar:- 180° Azimuth at End:- 199.4°
Core stored at site
Core size:- BQ

Start Date:- October 28,2007
Completion Date:- November 4, 2007
Claim Number:- 4203489
Logged By:- John L. Wahl
Driller:- Boart Longyear

FOOTAGE (m)		DESCRIPTION	Sample	Footage		Sample	Assay
From	To		No.	From	To	Length	
		Summary Drill Log					
		0.00 - 3.65 Overburden					
		3.65 - 313.50 Intermediate to felsic metavolcanics					
		313.50 - 317.50 Mafic metavolcanics					
		317.50 - 319.25 Intermediate to felsic metavolcanics					
		319.25 - 345.00 Mafic metavolcanics					
		345.00 - 622.00 Intermediate to felsic metavolcanics					
		Dip Tests (Reflex EZ-Shot)					
		Location Dip Azimuth					
		Collar 75.0° 180.0°					
		100m 72.8° 181.9°					
		206m 69.1° 183.8°					
		415m 62.5° 189.8°					
		622m 56.2° 199.4°					
		Detailed Drill Log					
0.00	**3.65**	**Overburden:-** till, light brown, medium to fine grained sandyclay matix with occassional rock					
		fragments					
3.65	**313.50**	**Intermediate to felsic metavolcanic:-**	445551	4.00	5.00	1.00	ICP
3.65	70.00	Medium to dark grey, fine-grained tuffaceous schist. Strong schistosity at 40°tca, laminations are	445552	13.00	14.00	1.00	ICP
		distinct, strongly silicified, predominantly fine grained quartz with biotite (up to 15%) aligned parallel	445553	22.00	23.00	1.00	ICP
		to schistosity (remnant bedding), pyrite present (<1%) as fine grained disseminations	445554	31.00	32.00	1.00	ICP
		Representative hand sample @ 44m.	445555	40.00	41.00	1.00	ICP
70.00	170.00	Light grey to beige, fine grained tuffaceous schist. Strong schistosity at 40°tca, laminations are	445556	49.00	50.00	1.00	ICP
		distinct, strongly silicified, sections intensely altered lending beige colour to core, pyrite present	445557	58.00	59.00	1.00	ICP
		as disseminations (up to 5%) with occassional massive to semi massive bands parallel to bedding,	445558	67.00	68.00	1.00	ICP
		where massive occassionally accompanied by minor chalcopyrite, pyrrhotite and sphalerite. Biotite	445559	76.00	77.00	1.00	ICP
		less common. Section correlates to down dip extension of the **Relf North Zone.**	445560	85.00	86.00	1.00	ICP
		Representative hand samples @ 73m, 98m, 108m, 131m & 155m	445561	94.00	95.00	1.00	ICP

FOOTAGE (m)		DESCRIPTION	Sample	Footage		Sample	Assay
From	To		No.	From	To	Length	
170.00	313.50	Medium to dark grey, fine-grained tuffaceous schist. Strong schistosity at 40°tca, laminations are	445562	103.00	104.00	1.00	ICP
		distinct, strongly silicified, predominantly fine grained quartz with biotite (up to 15%) aligned parallel	445563	112.00	113.00	1.00	ICP
		to schistosity (remnant bedding), pyrite present (<1%) as fine grained disseminations, garnets	445564	121.00	122.00	1.00	ICP
		become prevelant up to 5mm in diameter	445565	130.00	131.00	1.00	ICP
		Representative hand sample @ 175m, 218m, 253m, 273m & 283m.	445566	139.00	140.00	1.00	ICP
			445567	148.00	149.00	1.00	ICP
			445568	157.00	158.00	1.00	ICP
			445569	166.00	167.00	1.00	ICP
			445570	175.00	176.00	1.00	ICP
			445571	184.00	185.00	1.00	ICP
			445572	193.00	194.00	1.00	ICP
			445573	202.00	203.00	1.00	ICP
			445574	205.00	206.00	1.00	ICP
			445575	211.00	212.00	1.00	ICP
			445576	220.00	221.00	1.00	ICP
			445577	229.00	230.00	1.00	ICP
			445578	238.00	239.00	1.00	ICP
			445579	247.00	248.00	1.00	ICP
			445580	256.00	257.00	1.00	ICP
			445581	265.00	266.00	1.00	ICP
			445582	274.00	275.00	1.00	ICP
			445583	283.00	284.00	1.00	ICP
			445584	292.00	293.00	1.00	ICP
			445585	301.00	302.00	1.00	ICP
			445586	311.00	312.00	1.00	ICP
313.50	**317.50**	**Mafic Metavolcanic:-**					
		Dark gray green, fine to medium grained tuffaceouos schist. Strong schistosity at 40°tca. Tending to					
		massive with indistinct laminations, biotite predominant aligned parallel to schistosity (bedding),					
		sulphides rare but where present represented by disseminated pyrite also distributed along bedding					
		planes, upper and lower contacts indistinct.					
		Representative hand sample @ 316m.					
317.50	**319.25**	**Intermediate to felsic metavolcanic:-**					
		Medium to dark grey, fine-grained tuffaceous schist. Strong schistosity at 40°tca, laminations are					

FOOTAGE (m)		DESCRIPTION	Sample	Footage		Sample	Assay
From	To		No.	From	To	Length	
		distinct, strongly silicified, predominantly fine grained quartz with biotite (up to 15%) aligned parallel					
		to schistosity (remnant bedding), pyrite present (<1%) as fine grained disseminations					
319.25	**345.00**	**Mafic Metavolcanic:-**					
		Dark gray green, fine to medium grained tuffaceouos schist. Strong schistosity at 40°tca. Tending to	445587	320.00	321.00	1.00	ICP
		massive with indistinct laminations, biotite predominant aligned parallel to schistosity (bedding),	445588	329.00	330.00	1.00	ICP
		sulphides rare but where present represented by disseminated pyrite also distributed along bedding	445589	338.00	339.00	1.00	ICP
		planes, upper and lower contacts indistinct.					
345.00	**622.00**	**Intermediate to felsic metavolcanic:-**					
345.00	590.00	Light grey to beige, fine grained tuffaceous schist. Strong schistosity at 40°tca at top of section but	445590	347.00	348.00	1.00	ICP
		due to flattening of drill hole gradually increases to approximately 60° at the bottom of the section.	445591	356.00	357.00	1.00	ICP
		laminations are distinct, strongly silicified, entire section moderately to intensely altered lending	445592	359.95	360.15	0.20	**Au**
		beige colour to core, pyrite present as disseminations throughout up to 5% with occassional massive	445593	360.58	361.42	0.84	**Au**
		to semi massive bands parallel to bedding, where massive occassionally accompanied by minor	445594	365.00	366.00	1.00	ICP
		chalcopyrite, pyrrhotite and sphalerite. Garnet and biotite less common. Section correlates to down	445597	367.00	368.00	1.00	ICP
		dip extension of **Relf South Zone** (target zone of KAR-09)	445595	371.25	371.51	0.26	**Au**
			445596	374.00	375.00	1.00	ICP
		Intensely altered sections between 448m-477m, 537m-549m and 576m-583m, disseminated	445598	384.00	385.00	1.00	ICP
		mineralization in places >5% but remains along bedding (schistosity planes). Within these sections	445599	394.00	395.00	1.00	ICP
		massive to semi massive bands <1cm are more common. A common characteristic of increasing	445600	402.00	403.00	1.00	ICP
		intensity of alteration is the almost total absence of both biotite and garnet from the affected	4455601	411.00	412.00	1.00	ICP
		stratigraphy.	4455602	420.00	421.00	1.00	ICP
			445603	429.00	430.00	1.00	ICP
		Swarm of bull white quartz veins intersected at 350.10m - 350.37m, 359.95m - 360.15m,	445604	438.00	439.00	1.00	ICP
		360.58m - 361.42m, 371.25m - 371.51m. Quartz vein at 350.10m - 350.37 (27cm) contained large	445605	448.00	449.00	1.00	ICP
		blebs of chalcopyrite, pyrrhotite and pyrite within the white quartz vein. This unit represents	445606	456.00	457.00	1.00	ICP
		the causative source of the PEM Conductor #1. The vein was not sampled.	445607	461.00	462.00	1.00	ICP
			445608	462.00	463.00	1.00	ICP
		Representative hand samples @ 385m, 388m, 446m, 463m, 474m, 488m, 543m, 561m, & 583m	445609	463.00	464.00	1.00	ICP
			445610	464.00	465.00	1.00	ICP
590.00	619.00	Medium to dark grey, fine-grained tuffaceous schist. Strong schistosity at 60°tca, laminations are	445611	465.00	466.00	1.00	ICP
		present but indistinct, strongly silicified, perdominatly fine grained quartz with biotite (up to 15%)	445612	471.00	472.00	1.00	ICP
		aligned parallel to schistosity, sulphides underrepresented, competent core - between 606m and	445613	476.00	477.00	1.00	ICP
		613m complete unbroken pieces of core were returned.	445614	477.00	478.00	1.00	ICP
		Representative hand sample @ 610m.	445615	486.00	487.00	1.00	ICP
619.00	**EOH**		445616	495.00	496.00	1.00	ICP

FOOTAGE (m)		DESCRIPTION	Sample	Footage		Sample	Assay
From	To		No.	From	To	Length	
			445617	504.00	505.00	1.00	ICP
			445618	513.00	514.00	1.00	ICP
			445619	522.00	523.00	1.00	ICP
			445620	531.00	531.00	1.00	ICP
			445621	537.00	538.00	1.00	ICP
			445622	538.00	539.00	1.00	ICP
			445623	539.00	540.00	1.00	ICP
			445624	540.00	541.00	1.00	ICP
			445625	541.00	542.00	1.00	ICP
			445626	542.00	543.00	1.00	ICP
			445627	543.00	544.00	1.00	ICP
			445628	544.00	545.00	1.00	ICP
			445629	545.00	546.00	1.00	ICP
			445630	546.00	547.00	1.00	ICP
			445631	547.00	548.00	1.00	ICP
			445632	548.00	549.00	1.00	ICP
			445633	549.00	550.00	1.00	ICP
			445634	558.00	559.00	1.00	ICP
			445635	567.00	568.00	1.00	ICP
			445636	576.00	577.00	1.00	ICP
			445637	579.00	580.00	1.00	ICP
			445638	580.00	581.00	1.00	ICP
			445639	581.00	582.00	1.00	ICP
			445640	582.00	583.00	1.00	ICP
			445641	583.00	584.00	1.00	ICP
			445642	592.00	593.00	1.00	ICP
			445643	601.00	602.00	1.00	ICP
			445644	610.00	611.00	1.00	ICP
			445645	619.00	620.00	1.00	ICP

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Certificate of Analysis

Friday, December 7, 2007

Stratabound Minerals Corp.
Box 72024 RPO Glenmore Landing
Calgary, AB, CAN
T2V5H9
Ph#: (403) 258-3630
Fax#: (403) 259-4389

Date Received: Nov 9, 2007
Date Completed: Dec 7, 2007

Job #: 200744194
Reference:
Sample #: 96 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
291529		445573											
291530		445574											
291531		445575											
291532		445576											
291533		445577											
291534		445578											
291535		445579											
291536		445580											
291537		445581											
291538	Dup	445581											
291539		445582											
291540		445583											
291541		445584											
291542		445585											
291543		445586											
291544		445587											
291545		445588											
291546		445589											
291547		445590											
291548		445591											
291549	Dup	445591											
291550		445592	36										
291551		445593	46										7266
291552		445594											

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Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
291553		445595	19										
291554		445596											
291555		445597											16578
291556		445598											
291557		445599											
291558		445600											
291559		445601											
291560	Dup	445601											
291561		445602											
291562		445603											
291563		445604											
291564		445605											
291565		445606											
291566		445607											
291567		445608											
291568		445609											
291569		445610											
291570		445611											
291571	Dup	445611											
291572		445612											
291573		445613											
291574		445614											14608
291575		445615											
291576		445616											

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Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
291577		445617											
291578		445618											
291579		445619											
291580		445620											
291581		445621											
291582	Dup	445621											
291583		445622											
291584		445623											
291585		445624											
291586		445625											
291587		445626											
291588		445627											
291589		445628											
291590		445629											
291591		445630											
291592		445631											
291593	Dup	445631											
291594		445632											
291595		445633											
291596		445634											
291597		445635											
291598		445636											
291599		445637											
291600		445638											

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Job #: 200744194
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Sample #: 96 Core

Acc #		Client ID	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
291601		445639											
291602		445640											
291603		445641											
291604	Dup	445641											
291605		445642											
291606		445643											
291607		445644											
291608		445645											
291609		445646	No Sample Received										

PROCEDURE CODES: AL4AU3, AL4ICPMA

Certified By:

Derek Demianiuk H.Bsc., Laboratory Manager

The results included on this report relate only to the items tested
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approval of the laboratory

AL917-0102-12/07/2007 12:12 PM

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Stratabound Minerals Corp.
Date Created: 07-12-03 10:37:39 AM
Job Number: 200744194
Date Received: Nov 9, 2007
Number of Samples: 96
Type of Sample: Core
Date Completed:
Project ID:

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Accur. #	Client Tag	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
291505	445551	<1	2.54	4	103	<1	15	1.66	<4	22	191	47	3.90	0.83	34	1.05	386	7	48	623	133	5	<5	<10	18	1497	<1	71	<10	7	81
291506	445552	1	2.76	4	102	<1	18	1.63	<4	24	253	34	3.46	0.98	21	0.93	584	6	43	565	95	<5	<5	<10	21	1545	<1	57	<10	5	63
291507	445553	1	2.27	5	65	<1	20	2.14	<4	29	192	67	4.96	0.46	24	0.94	493	9	48	684	133	<5	<5	<10	22	682	<1	48	<10	7	72
291508	445554	<1	3.29	3	59	<1	12	2.65	<4	15	171	37	3.47	0.37	48	1.17	743	6	26	482	108	<5	<5	<10	35	1302	<1	63	<10	9	45
291509	445555	<1	2.12	5	86	<1	20	1.36	<4	16	220	27	3.22	0.52	34	1.15	375	6	27	469	94	<5	<5	<10	14	1175	2	73	<10	6	47
291510	445556	<1	2.74	4	106	<1	24	1.76	<4	17	212	47	3.54	0.72	28	1.29	445	8	27	495	109	<5	<5	<10	23	1405	<1	71	<10	7	54
291511	445557	<1	1.92	3	113	<1	14	1.36	<4	15	178	13	3.09	0.71	27	1.19	492	6	23	465	95	<5	<5	<10	14	1394	<1	66	<10	6	47
291512	445558	<1	3.58	2	191	<1	17	2.13	<4	22	218	33	3.87	0.74	51	1.34	474	7	34	540	106	5	<5	<10	41	1369	<1	68	<10	6	45
291513	445559	<1	3.62	4	324	<1	19	2.36	<4	16	158	34	3.60	1.16	44	1.44	743	6	25	508	106	5	<5	<10	46	1756	5	64	<10	5	59
291514	445560	1	2.39	4	191	<1	12	1.38	<4	21	74	43	3.52	0.96	20	0.96	469	6	28	516	105	5	<5	<10	21	1508	<1	48	<10	5	35
291515	445561	<1	3.85	<2	135	<1	13	2.71	<4	20	112	49	3.68	1.03	42	1.70	778	5	30	552	120	<5	<5	<10	28	2342	<1	67	<10	8	82
291516	445561	<1	3.89	3	134	<1	29	2.75	<4	20	113	51	3.73	1.02	42	1.69	786	5	30	548	121	5	<5	<10	28	2324	1	68	<10	8	86
291517	445562	<1	5.73	5	292	<1	15	4.01	<4	14	204	28	3.13	1.23	31	1.39	851	6	25	429	94	<5	<5	<10	79	1937	4	61	<10	10	48
291518	445563	<1	4.95	4	421	<1	17	3.50	<4	18	182	22	3.52	1.05	37	1.37	753	6	24	489	109	<5	<5	<10	69	1840	2	65	<10	8	50
291519	445564	2	3.60	4	68	<1	12	1.51	<4	19	138	45	3.39	1.67	30	1.39	917	6	26	489	101	<5	<5	<10	25	2689	1	75	<10	6	61
291520	445565	<1	1.67	<2	121	<1	13	1.18	<4	18	184	45	3.09	0.87	29	1.25	535	6	35	408	89	5	<5	<10	8	1463	<1	56	<10	6	51
291521	445566	2	5.93	7	86	<1	29	3.81	<4	15	205	26	3.66	1.64	32	1.50	1314	7	22	683	116	7	<5	<10	45	2398	1	80	<10	8	74
291522	445567	2	5.70	6	73	<1	17	3.51	<4	23	189	55	3.30	1.78	22	1.64	1095	6	35	688	111	<5	<5	<10	53	2681	<1	74	<10	12	67
291523	445568	8	5.03	7	39	<1	16	3.71	<4	27	184	52	3.96	1.30	25	1.55	1288	7	38	609	165	6	<5	<10	42	2470	<1	73	<10	11	104
291524	445569	2	3.53	5	47	<1	20	2.06	<4	19	222	58	3.16	1.54	18	1.38	918	7	32	577	115	6	<5	<10	25	2380	<1	67	<10	7	73
291525	445570	<1	3.19	4	135	<1	18	1.33	<4	17	196	23	3.39	1.56	45	1.89	600	5	28	617	113	<5	<5	<10	10	2272	<1	82	<10	4	49
291526	445571	1	4.94	7	178	<1	28	2.38	<4	20	181	32	3.63	1.82	39	2.04	875	6	31	623	140	6	<5	<10	30	2541	<1	82	<10	5	172

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Stratabound Minerals Corp.
Date Created: 07-12-03 10:37:39 AM
Job Number: 200744194
Date Received: Nov 9, 2007
Number of Samples: 96
Type of Sample: Core
Date Completed:
Project ID:

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291527	445571	2	4.78	5	174	<1	19	2.30	<4	20	173	31	3.56	1.80	37	1.99	836	6	29	597	141	7	<5	<10	29	2502	1	80	<10	4	167
291528	445572	2	4.28	4	142	<1	14	1.71	<4	19	204	38	3.58	2.01	38	2.10	868	6	31	522	125	<5	<5	<10	21	2479	<1	75	<10	3	67
291529	445573	3	4.35	5	76	<1	20	1.92	<4	18	114	278	3.36	1.83	25	1.81	1252	6	30	530	132	<5	<5	<10	30	2162	1	54	<10	4	372
291530	445574	2	3.58	9	96	<1	21	2.16	9	22	153	104	4.99	1.29	20	1.46	873	9	33	505	157	6	<5	<10	25	1545	<1	56	12	4	982
291531	445575	3	4.76	4	191	<1	29	1.66	<4	19	132	63	4.41	2.18	32	2.29	1404	7	40	587	223	6	<5	<10	29	2646	<1	72	<10	4	344
291532	445576	<1	2.53	<2	212	<1	13	0.58	<4	20	118	40	3.65	1.49	29	1.99	453	4	31	557	129	<5	<5	<10	4	1916	<1	82	<10	4	68
291533	445577	<1	2.89	4	231	<1	18	0.78	<4	20	112	37	3.68	1.60	33	2.06	477	5	33	547	121	<5	<5	<10	8	2292	<1	79	<10	5	56
291534	445578	2	3.66	4	146	<1	12	1.21	7	20	133	69	3.85	1.70	37	2.00	1084	6	28	537	409	<5	<5	<10	19	2513	2	72	19	5	1559
291535	445579	2	2.71	6	287	<1	13	0.63	<4	22	123	36	4.06	1.84	51	1.98	581	6	34	553	127	5	<5	<10	6	2602	<1	87	<10	4	74
291536	445580	<1	2.37	<2	272	<1	19	0.75	<4	20	147	37	3.56	1.13	25	1.88	567	4	31	534	124	6	<5	<10	9	2217	<1	74	<10	5	75
291537	445581	<1	2.82	4	224	<1	15	1.37	<4	16	127	44	2.89	1.10	19	1.41	516	5	26	524	148	6	<5	<10	20	2024	1	70	<10	7	158
291538	445581	<1	2.75	3	218	<1	17	1.34	<4	15	121	44	2.82	1.08	19	1.38	500	5	26	512	145	6	<5	<10	20	1959	<1	69	<10	7	154
291539	445582	<1	2.71	5	239	<1	17	1.11	<4	23	157	35	3.89	1.58	21	1.92	1080	6	42	541	157	5	<5	<10	8	2562	<1	87	<10	6	172
291540	445583	<1	2.52	3	157	<1	22	0.55	<4	20	109	27	3.29	1.61	26	1.67	899	5	27	426	132	<5	<5	<10	6	2047	1	50	<10	3	219
291541	445584	3	3.53	5	486	<1	21	1.02	<4	18	157	39	3.69	1.99	40	2.44	719	5	26	439	150	<5	<5	<10	10	2473	<1	73	<10	5	75
291542	445585	<1	4.52	4	393	<1	29	1.40	<4	20	291	46	3.99	2.39	32	2.63	1655	7	42	398	220	5	<5	<10	44	2138	4	53	<10	4	296
291543	445586	2	2.10	12	67	<1	27	0.56	17	25	170	100	5.95	1.28	18	1.43	1161	10	39	357	278	<5	<5	<10	9	1712	<1	40	49	4	4226
291544	445587	1	2.15	3	212	<1	31	1.14	<4	26	399	133	2.85	1.63	33	2.07	442	5	98	873	103	<5	<5	<10	25	1832	<1	92	<10	3	60
291545	445588	1	1.87	5	244	<1	10	1.19	<4	25	475	44	2.51	1.32	31	2.08	409	4	112	697	86	<5	<5	<10	17	1667	<1	80	<10	2	47
291546	445589	3	3.89	6	401	<1	13	1.95	<4	22	110	47	3.98	1.97	27	1.74	1230	6	37	699	162	<5	<5	<10	25	2864	<1	73	<10	11	187
291547	445590	3	3.41	4	399	<1	26	0.22	<4	24	139	40	4.08	2.65	52	2.54	1379	6	38	619	130	5	<5	<10	<3	2910	<1	64	<10	5	255
291548	445591	<1	3.76	12	180	<1	15	1.50	<4	21	138	18	4.19	1.74	25	1.67	1149	8	34	598	160	5	<5	<10	28	2071	1	42	<10	6	150

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Stratabound Minerals Corp.
Date Created: 07-12-03 10:37:39 AM
Job Number: 200744194
Date Received: Nov 9, 2007
Number of Samples: 96
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291549	445591	2	3.78	12	176	<1	28	1.51	<4	20	134	18	4.09	1.77	25	1.70	1157	7	34	599	147	6	<5	<10	28	2124	<1	42	<10	6	153
291550	445592	3	2.43	22	45	<1	26	1.31	6	77	142	649	8.02	0.94	27	1.20	677	12	26	198	338	6	15	<10	16	1196	<1	31	<10	3	468
291551	445593	4	1.51	11	71	<1	25	0.60	36	9	499	993	3.34	0.75	17	0.96	674	5	16	186	148	6	5	<10	5	832	<1	21	70	3	>5,000
291552	445594	1	2.31	6	230	<1	22	0.38	7	16	206	156	2.98	1.62	23	1.59	953	5	24	498	108	6	<5	<10	4	2267	<1	50	12	4	1171
291553	445595	2	5.11	12	173	<1	28	2.72	<4	24	134	398	4.56	1.70	39	2.21	1196	10	23	309	209	5	<5	<10	38	2306	2	64	<10	6	496
291554	445596	3	3.67	7	237	<1	27	0.67	<4	33	82	60	5.33	2.40	35	2.33	1596	11	38	490	161	<5	<5	<10	9	3052	<1	66	<10	4	228
291555	445597	2	4.54	18	215	<1	33	1.33	75	22	160	188	5.56	2.23	39	2.90	1518	10	26	742	182	<5	<5	<10	13	2092	2	56	161	6	>5,000
291556	445598	2	2.54	11	38	<1	22	1.51	7	21	123	28	3.76	0.60	29	1.67	1162	10	27	498	155	<5	<5	<10	8	1675	2	42	15	7	1424
291557	445599	<1	2.33	5	237	<1	26	0.73	<4	17	198	37	3.18	1.64	23	1.68	996	6	27	520	109	<5	<5	<10	4	2433	<1	52	<10	5	234
291558	445600	2	2.80	5	149	<1	18	1.58	<4	20	176	36	3.46	1.46	31	1.57	1041	6	31	581	126	5	<5	<10	18	2934	2	67	<10	11	177
291559	445601	3	3.02	4	377	<1	17	0.24	<4	20	107	21	4.66	2.35	35	2.13	1351	9	33	466	166	<5	<5	<10	<3	2590	<1	53	<10	4	465
291560	445601	<1	3.69	5	461	<1	36	0.28	<4	24	128	25	5.59	2.76	42	2.58	1637	10	40	542	176	5	<5	<10	4	3089	<1	65	<10	5	538
291561	445602	<1	3.34	4	244	<1	21	1.14	<4	16	95	40	3.15	1.64	29	1.57	840	6	26	427	127	<5	<5	<10	24	2050	<1	43	<10	3	314
291562	445603	<1	2.58	3	307	<1	19	0.61	<4	18	194	26	3.70	1.56	32	1.68	1001	6	37	481	159	<5	<5	<10	3	2244	<1	67	<10	5	243
291563	445604	2	2.89	4	151	<1	25	1.64	<4	21	115	36	3.60	1.34	21	1.36	1071	13	31	504	126	5	<5	<10	11	2186	2	55	<10	6	181
291564	445605	<1	4.06	3	401	<1	22	1.16	<4	17	225	15	3.92	1.91	42	1.70	881	6	19	378	149	6	<5	<10	17	2383	<1	58	<10	4	101
291565	445606	1	2.22	4	224	<1	28	0.30	<4	24	203	221	5.17	1.42	27	1.35	878	8	19	325	143	6	<5	<10	3	2085	2	47	<10	3	213
291566	445607	<1	2.10	<2	249	<1	15	0.62	<4	18	145	39	3.64	1.12	24	1.09	717	8	18	337	130	<5	<5	<10	12	1625	<1	34	<10	4	197
291567	445608	2	1.73	5	151	<1	25	0.81	<4	25	88	779	5.08	0.91	33	1.10	553	8	14	309	178	<5	<5	<10	4	1237	<1	27	<10	3	153
291568	445609	7	1.73	5	41	<1	33	0.29	7	22	132	3756	8.87	1.07	23	1.12	583	14	18	233	313	7	25	<10	4	1185	2	29	<10	2	194
291569	445610	2	2.13	<2	96	<1	30	0.31	<4	21	136	1125	6.89	1.46	29	1.28	612	10	17	292	211	5	<5	<10	5	1689	<1	35	<10	2	130
291570	445611	2	2.50	<2	216	<1	33	0.64	<4	25	154	573	5.37	1.52	33	1.34	692	9	18	536	157	<5	<5	<10	9	2014	<1	40	<10	3	203

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Stratabound Minerals Corp.
Date Created: 07-12-03 10:37:39 AM
Job Number: 200744194
Date Received: Nov 9, 2007
Number of Samples: 96
Type of Sample: Core
Date Completed:
Project ID:

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291571	445611	2	2.60	3	194	<1	38	0.66	<4	26	165	603	5.51	1.57	34	1.38	724	9	20	552	180	6	<5	<10	10	2061	<1	42	<10	4	206
291572	445612	2	3.44	6	176	<1	26	1.75	<4	20	261	261	5.27	1.20	27	1.26	821	8	22	376	156	<5	<5	<10	26	1662	<1	43	<10	4	165
291573	445613	1	2.40	4	137	<1	16	1.95	<4	14	190	101	2.85	0.81	21	0.95	938	5	18	412	108	<5	<5	<10	22	1648	<1	44	<10	8	606
291574	445614	2	2.81	15	110	<1	22	1.35	51	18	120	461	5.11	1.05	23	1.17	957	10	21	302	154	5	<5	<10	24	1626	<1	44	141	4	>5,000
291575	445615	<1	2.18	5	271	<1	18	0.77	<4	16	83	135	3.39	1.21	29	1.15	739	8	16	361	119	<5	<5	<10	8	1788	<1	42	<10	5	429
291576	445616	<1	2.55	6	162	<1	23	2.10	<4	14	122	35	2.92	0.95	28	1.12	1097	6	18	425	96	6	<5	<10	31	1753	1	44	<10	9	313
291577	445617	1	3.19	4	219	<1	22	1.64	<4	20	149	146	4.11	1.23	37	1.41	855	7	20	345	140	5	<5	<10	21	1835	<1	51	<10	5	372
291578	445618	<1	1.79	4	194	<1	20	1.51	<4	15	146	26	3.26	0.71	24	1.15	876	6	24	475	108	<5	<5	<10	11	1500	1	56	<10	9	155
291579	445619	<1	1.55	4	107	<1	25	1.80	<4	15	162	49	2.61	0.35	24	0.95	594	5	21	374	89	<5	<5	<10	10	1125	<1	37	<10	8	71
291580	445620	<1	1.91	4	83	<1	13	1.50	<4	13	88	79	2.81	0.41	42	1.09	630	6	18	376	103	<5	<5	<10	15	974	1	33	<10	5	178
291581	445621	3	1.88	4	145	<1	18	1.91	9	16	162	765	4.19	0.61	40	1.16	849	7	18	344	191	<5	<5	<10	7	1126	<1	43	20	8	1767
291582	445621	2	1.86	7	143	<1	18	1.89	9	16	164	765	4.17	0.60	39	1.15	847	7	19	334	195	<5	<5	<10	8	1118	<1	43	20	8	1768
291583	445622	<1	1.93	4	247	<1	12	1.34	<4	23	117	70	3.93	0.84	26	1.03	800	6	20	401	150	<5	<5	<10	9	1697	<1	54	<10	8	435
291584	445623	<1	1.38	4	108	<1	13	1.43	<4	13	169	10	2.86	0.33	27	0.85	626	4	19	419	90	<5	<5	<10	13	993	<1	44	<10	7	127
291585	445624	<1	1.46	4	100	<1	19	1.35	<4	13	108	13	2.82	0.33	30	0.86	688	5	17	408	96	<5	<5	<10	9	1198	<1	45	<10	7	167
291586	445625	2	2.08	10	24	<1	18	1.47	14	14	163	415	3.72	0.15	52	1.07	904	6	20	360	142	<5	<5	<10	4	1638	1	45	32	8	2962
291587	445626	1	2.12	6	203	<1	23	0.62	<4	19	98	95	3.85	0.83	40	1.47	753	7	28	446	139	<5	<5	<10	4	1624	<1	58	<10	5	237
291588	445627	<1	2.43	5	217	<1	26	0.34	<4	21	189	367	4.63	1.23	44	1.48	744	9	28	486	146	<5	<5	<10	7	1963	<1	52	<10	5	248
291589	445628	1	1.98	<2	139	<1	23	0.55	<4	19	99	177	4.21	0.97	29	1.19	756	8	17	333	158	<5	<5	<10	7	1516	<1	39	<10	4	276
291590	445629	<1	2.25	6	267	<1	19	0.66	4	18	191	107	3.96	1.24	29	1.33	864	7	20	362	129	5	<5	<10	7	1951	1	51	<10	4	266
291591	445630	<1	2.31	4	165	<1	17	1.47	<4	14	310	72	3.66	0.79	41	1.37	836	6	24	396	121	7	<5	<10	10	1101	1	52	<10	5	221
291592	445631	2	2.35	6	221	<1	21	1.01	<4	23	129	339	4.66	1.11	34	1.27	753	8	26	397	164	6	<5	<10	11	1716	<1	55	<10	4	222

Certified By:
Derek Demianiuk, H.Bsc.

ACCURASSAY LABORATORIES
1046 Gorham Street
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Stratabound Minerals Corp.
Date Created: 07-12-03 10:37:39 AM
Job Number: 200744194
Date Received: Nov 9, 2007
Number of Samples: 96
Type of Sample: Core
Date Completed:
Project ID:

* The results included on this report relate only to the items tested
* This Certificate of Analysis should not be reproduced except in full, without the written approval of the laboratory.
*The methods used for these analysis are not accredited under ISO/IEC 17025

Accur. #	Client Tag	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Li ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Sb ppm	Se ppm	Sn ppm	Sr ppm	Ti ppm	Tl ppm	V ppm	W ppm	Y ppm	Zn ppm
291593	445631	1	2.30	6	220	<1	12	0.99	<4	21	129	335	4.48	1.09	33	1.24	754	7	25	384	153	<5	<5	<10	11	1673	<1	54	<10	4	218
291594	445632	3	2.67	4	138	<1	27	0.33	4	28	128	1507	7.62	1.41	55	1.66	824	13	28	403	251	7	<5	<10	6	2063	2	58	<10	4	187
291595	445633	<1	2.82	3	181	<1	16	1.73	4	17	186	104	3.64	0.77	41	1.39	880	7	34	434	120	7	<5	<10	21	1613	1	50	<10	6	380
291596	445634	<1	1.60	3	137	<1	10	1.42	6	15	108	41	2.99	0.59	22	0.96	689	5	20	417	95	<5	<5	<10	8	1164	1	42	<10	7	524
291597	445635	<1	2.83	4	129	<1	18	0.47	<4	20	180	40	4.06	0.76	69	1.85	909	10	21	361	138	<5	<5	<10	8	1877	2	54	<10	6	260
291598	445636	<1	2.14	2	107	<1	17	1.88	<4	14	132	28	2.77	0.41	34	1.11	760	6	20	406	94	6	<5	<10	17	1152	<1	39	<10	6	340
291599	445637	2	2.82	4	170	<1	29	0.41	6	32	268	933	6.32	1.78	36	1.75	1030	12	24	367	206	5	<5	<10	7	2330	2	55	<10	4	290
291600	445638	2	2.92	4	244	<1	17	0.96	5	21	197	132	4.74	1.49	46	1.52	1007	8	21	379	173	5	<5	<10	12	2288	1	54	<10	4	252
291601	445639	2	2.41	5	180	<1	19	0.44	<4	26	128	97	5.65	1.31	43	1.40	822	9	21	360	155	<5	<5	<10	7	1781	1	46	<10	3	141
291602	445640	4	1.45	5	130	<1	26	0.41	<4	21	238	1881	5.74	0.83	21	0.79	439	8	20	340	214	6	<5	<10	15	1144	4	30	<10	3	151
291603	445641	1	2.07	3	211	<1	27	0.39	<4	23	175	601	5.68	1.25	24	1.31	635	7	19	376	187	6	<5	<10	11	1796	<1	49	<10	3	183
291604	445641	1	1.98	4	194	<1	29	0.37	<4	22	162	580	5.60	1.21	23	1.26	605	8	20	350	201	7	<5	<10	10	1727	3	48	<10	3	176
291605	445642	<1	1.47	<2	109	<1	28	0.99	<4	12	161	16	2.78	0.56	26	1.14	561	5	19	379	92	<5	<5	<10	6	1111	<1	51	<10	5	250
291606	445643	<1	2.26	2	197	<1	36	0.53	<4	19	118	33	3.87	1.29	38	1.42	648	7	20	360	141	<5	<5	<10	<3	1927	<1	63	<10	4	230
291607	445644	<1	1.18	<2	101	<1	16	0.82	<4	13	150	14	3.48	0.28	14	1.07	743	6	19	403	121	5	<5	<10	5	911	<1	68	<10	6	54
291608	445645	<1	3.12	3	220	<1	25	2.17	<4	18	144	38	3.04	0.75	42	1.33	771	5	18	427	111	6	<5	<10	23	1760	<1	58	<10	7	138
291609	445646	NO SAMPLE RECEIVED																													

Certified By:
Derek Demianiuk, H.Bsc.

DIAMOND DRILL RECORD

MELCHETT LAKE SYNDICATE INC.

Project:- Melchett Lake

DDH No.:- SB08-02

Collar Location :-L58+15E - 3+15S
Length of Hole:- 688m
Dip at Collar:- 80° Dip at End:- 56.1°
Azimuth at Collar:- 180° Azimuth at End:- unknown magnetic interference
Core stored at site
Core size:- BQ

Start Date:- August 27, 2008
Completion Date:- September 7, 2008
Claim Number:- 4203489
Logged By:- John L. Wahl
Driller:- Layne Christensen

FOOTAGE (m) From	FOOTAGE (m) To	DESCRIPTION	Sample No.	Footage From	Footage To	Sample Length	Assay
		Dip Tests (Reflex EZ-Shot)					
		Location Dip Azimuth					
		Collar 80.0° 180.0°					
		13m 79.6° magnetic interference (MI)					
		33m 76.6° MI					
		49m 77.1° MI					
		100m 76.0° MI					
		150m 74.6° MI					
		200m 73.5° MI					
		250m 71.3° MI					
		300m 70.0° MI					
		350m 67.8° MI					
		400m 65.5° MI					
		450m 64.4° MI					
		500m 63.8° MI					
		550m 58.7° MI					
		600m 57.9° MI					
		650m 56.1° MI					
		Notes on Descriptive Log:- Logging of the previous holes SB07-01					
		presented many descriptive difficulties in that with the exception of a few diabase dyke					
		intersections the entire length of the hole could grossly be described as the same rock					
		type. Appreciating these difficulties in advance of the drilling of SB08-02, where similar					
		stratigraphy was expected it was decided that, in addition to descsriptions, routine					
		measurements of the magnetic susceptibility down the hole would be recorded					
		as were routine measurements of the "angle to core axis" of the volcanic stratigraphy.					
		These data in addition to the detailed whole rock geochemical sampling carried					
		out down the hole significantly improved the interpretation of the drill hole.					

FOOTAGE (m)		DESCRIPTION	Sample	Footage		Sample	Assay
From	To		No.	From	To	Length	
		Summary Drill Log					
		0.00 - 0.25 Overburden					
		0.25 - 688.00 Intermediate to felsic metavolcanics					
		Detailed Drill Log					
0.00	**0.25**	**Overburden:-** till, light brown, medium to fine grained sandyclay matix withoccassional rock					
		fragments					
0.25	**60.00**	**Intermediate to felsic metavolcanic:-**	195201	8.00	9.00	1.00	ICP + Au
		Light grey to beige, fine grained tuffaceous schist. Strong schistosity, laminations are	195202	17.00	18.00	1.00	ICP + Au
		distinct, strongly silicified, sections intensely altered lending beige colour to core, pyrite present	195203	26.00	27.00	1.00	ICP + Au
		as disseminations (up to 5%) with occassional semi massive bands parallel to bedding,	195204	35.00	36.00	1.00	ICP + Au
		where massive occassionally accompanied by minor chalcopyrite, pyrrhotite and sphalerite. Biotite	195205	44.00	45.00	1.00	ICP + Au
		less common. Section correlates to down dip extension of the**Relf North Zone**. Magnetic	195206	53.00	54.00	1.00	ICP + Au
		susceptibility values across section low to moderate and variable.					
60.00	**270.00**	**Intermediate to felsic metavolcanic:-**	195207	62.00	63.00	1.00	ICP + Au
		Medium to dark grey, fine-grained tuffaceous schist. Strong schistosity, laminations are	195208	71.00	72.00	1.00	ICP + Au
		distinct, predominantly fine grained quartz with biotite (up to 15%) aligned parallel	195209	80.00	81.00	1.00	ICP + Au
		to schistosity (remnant bedding), sulphides present as fine grained disseminations increase	195210	89.00	90.00	1.00	ICP + Au
		in concentration from 200.00m to 270.00m; alteration also increases in relation to the mineralizaiton.	195211	98.00	99.00	1.00	ICP + Au
		Magnetic susceptibility values across section low to moderate and variable.	195212	107.00	108.00	1.00	ICP + Au
			195213	116.00	117.00	1.00	ICP + Au
			195214	125.00	126.00	1.00	ICP + Au
			195215	134.00	135.00	1.00	ICP + Au
			195216	143.00	144.00	1.00	ICP + Au
			195217	152.00	153.00	1.00	ICP + Au
			195218	161.00	162.00	1.00	ICP + Au
			195219	170.00	171.00	1.00	ICP + Au
			195220	179.00	180.00	1.00	ICP + Au

FOOTAGE (m)		DESCRIPTION	Sample	Footage		Sample	Assay
From	To		No.	From	To	Length	
			195221	188.00	189.00	1.00	ICP + Au
			195222	197.00	198.00	1.00	ICP + Au
			195223	206.00	207.00	1.00	ICP + Au
			195224	215.00	216.00	1.00	ICP + Au
			195225	224.00	225.00	1.00	ICP + Au
			195226	233.00	234.00	1.00	ICP + Au
			195227	242.00	243.00	1.00	ICP + Au
			195228	251.00	252.00	1.00	ICP + Au
			195229	260.00	261.00	1.00	ICP + Au
			195230	269.00	270.00	1.00	ICP + Au
270.00	412.00	**Intermediate to felsic metavolcanic:-**	195231	270.00	271.00	1.00	ICP + Au
		Light grey to beige, fine grained tuffaceous schist. Strong schistosity, laminations are distinct,	195232	271.00	272.00	1.00	ICP + Au
		strongly silicified, sulphide mineralization elevated yet variable across entire section, sphalerite and	195233	272.00	273.00	1.00	ICP + Au
		pyrite dominatee as disseminations and discreet bands. Section correlates to down dip	195234	273.00	274.00	1.00	ICP + Au
		extension of **Relf South Zone.** Magnetic susceptibility across this section is consistently and	195235	282.00	283.00	1.00	ICP + Au
		anomalously low. Sections of pronounced sulphide concentrations were noted between the	195236	291.00	292.00	1.00	ICP + Au
		following:- 269.00-274.00, 310.00-311.00, 345.00-346.00, 371.00-392.00, 395.00-398.00,	195237	300.00	301.00	1.00	ICP + Au
		409.00-412.00	195238	310.00	311.00	1.00	ICP + Au
			195239	319.00	320.00	1.00	ICP + Au
			195240	328.00	329.00	1.00	ICP + Au
			195241	337.00	338.00	1.00	ICP + Au
			195242	345.00	346.00	1.00	ICP + Au
			195243	346.00	347.00	1.00	ICP + Au
			195244	354.00	355.00	1.00	ICP + Au
			195245	363.00	364.00	1.00	ICP + Au
			195246	371.00	372.00	1.00	ICP + Au
			195247	373.00	374.00	1.00	ICP + Au
			195248	374.00	375.00	1.00	ICP + Au
			195249	375.00	376.00	1.00	ICP + Au
			195250	376.00	377.00	1.00	ICP + Au
			195251	377.00	378.00	1.00	ICP + Au
			195252	378.00	379.00	1.00	ICP + Au
			195253	379.00	380.00	1.00	ICP + Au
			195254	380.00	381.00	1.00	ICP + Au

FOOTAGE (m)		DESCRIPTION	Sample	Footage		Sample	Assay
From	To		No.	From	To	Length	
			195255	381.00	382.00	1.00	ICP + Au
			195256	383.00	384.00	1.00	ICP + Au
			195257	384.00	385.00	1.00	ICP + Au
			195258	385.00	386.00	1.00	ICP + Au
			195259	386.00	387.00	1.00	ICP + Au
			195260	387.00	388.00	1.00	ICP + Au
			195261	388.00	389.00	1.00	ICP + Au
			195262	389.00	390.00	1.00	ICP + Au
			195263	390.00	391.00	1.00	ICP + Au
			195264	391.00	392.00	1.00	ICP + Au
			195265	395.00	396.00	1.00	ICP + Au
			195266	396.00	397.00	1.00	ICP + Au
			195267	397.00	398.00	1.00	ICP + Au
			195268	406.00	407.00	1.00	ICP + Au
			195269	410.00	411.00	1.00	ICP + Au
			195270	411.00	412.00	1.00	ICP + Au
412.00	688.00	**Intermediate to felsic metavolcanic:-**	195271	420.00	421.00	1.00	ICP + Au
		Medium to dark grey, fine-grained tuffaceous schist. Strong schistosity, laminations are	195272	429.00	430.00	1.00	ICP + Au
		distinct, predominantly fine grained quartz with biotite (up to 15%) aligned parallel	195273	435.00	436.00	1.00	ICP + Au
		to schistosity (remnant bedding), sulphides while still ubiquitous down the section are	195274	444.00	445.00	1.00	ICP + Au
		represented by more pyrrhotite rather than pyrite and more chalcopyrite than sphalerite.	195275	453.00	454.00	1.00	ICP + Au
		Alteration is also more variable being intensely altered in areas where mineralization is more	195276	462.00	463.00	1.00	ICP + Au
		predominate and less so where sulphides less prominant. Magnetic susceptibility across this	195277	471.00	472.00	1.00	ICP + Au
		section is for the most part anomalously high with areas of lower susceptibility being related to	195278	480.00	481.00	1.00	ICP + Au
		areas of increased alteration/mineralization. Sections within which sulphides (py, cpy and po)	195279	489.00	490.00	1.00	ICP + Au
		are reported are:-433.00-437.00, 500.00-503.00, 519.00-521.00, 555.00-570.00, 588.00-591.00,	195280	498.00	199.00	1.00	ICP + Au
		600.00-603.00, 614.00-616.00	195281	502.00	503.00	1.00	ICP + Au
			195282	511.00	512.00	1.00	ICP + Au
		END OF HOLE	195283	520.00	521.00	1.00	ICP + Au
			195284	529.00	530.00	1.00	ICP + Au
			195285	538.00	539.00	1.00	ICP + Au
		Quartz Veining- typically "bull white" variety occurred down the length of the drill hole. The quartz	195286	547.00	548.00	1.00	ICP + Au
		veins were typically devoid of any mineralization, exhibited random angles to the core axis with	195287	557.00	558.00	1.00	ICP + Au
		sharp contacts. Alteration of the host is minor. Quartz veining was reported across the following	195288	563.00	564.00	1.00	ICP + Au

FOOTAGE (m)		DESCRIPTION	Sample	Footage		Sample	Assay
From	To		No.	From	To	Length	
		intervals (m):-28.9-32.6, 46.55-46.45, 59.10-59.20, 63.35-63.50, 240.55-240.70, 241.05-241.20,	195289	572.00	573.00	1.00	ICP + Au
		245.10-245.13, 252.55-252.75, 252.95-253.10, 274.60-274.65, 276.55-276.60, 293.3-293.4,	195290	581.00	582.00	1.00	ICP + Au
		293.6-293.7, 306.53-306.60, 324.50-324.7, 348.90-348.95, 349.12-349.20, 350.00-350.20,	195291	590.00	591.00	1.00	ICP + Au
		354.02-354.25, 412.70-413.00, 414.00-416.50, 429.20-429.30, 433.10-434.10, 436.00-436.10,	195292	599.00	600.00	1.00	ICP + Au
		437.30-437.41, 444.50-444.60, 455.20-455.50, 456.75-453.80, 459.20-459.40, 466.50-466.60,	195293	602.00	603.00	1.00	ICP + Au
		488.10-488.20, 493.30-493.50, 495.45-496.20, 505.25-505.50, 505.40-505.50, 527.05-527.15,	195294	608.00	609.00	1.00	ICP + Au
		531.40-531.70, 637.45-637.55, 638.20-638.25, 651.10-651.15, 659.55-659.60, 664.85-664.90,	195295	617.00	618.00	1.00	ICP + Au
		666.00-666.45, 672.47-672.60,	195296	626.00	627.00	1.00	ICP + Au
			195297	635.00	636.00	1.00	ICP + Au
			195298	644.00	645.00	1.00	ICP + Au
			195299	653.00	654.00	1.00	ICP + Au
			195300	662.00	663.00	1.00	ICP + Au
			195301	671.00	672.00	1.00	ICP + Au
			195302	679.00	679.50	0.50	ICP + Au
			195303	680.00	681.00	1.00	ICP + Au
			195304	687.00	688.00	1.00	ICP + Au

Certificate of Analysis

Work Order: TO103214

To: **Stratabound Minerals Corp.**
Attn: Stan Stricker
Box 72024
RPO Glenmore Landing
CALGARY
AB T2O 5H9

Date: Nov 25, 2008

P.O. No.	:	Melchett Lake Project
Project No.	:	DEFAULT
No. Of Samples		107
Date Submitted		Sep 15, 2008
Report Comprises		Pages 1 to 13
		(Inclusive of Cover Sheet)

Distribution of unused material:

Return to client: 107 Cores

Certified By : _____
Gavin McGill
Operations Manager

SGS Minerals Services (Toronto) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Methods marked with the @ symbol (e.g. @AAS21E) denote accredited tests

Element	WtKg	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd
Method	WGH79	@FAI303	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B
Det.Lim.	0.001	1	2	0.01	3	1	0.5	5	0.01	1
Units	Kg	PPB	PPM	%	PPM	PPM	PPM	PPM	%	PPM
195201	0.716	3	<2	7.10	<3	611	0.7	<5	2.93	<1
*Rep 195201	<0.001	3	<2	7.55	3	631	0.7	<5	3.15	<1
SB-1	<0.001	I.S.	<2	6.87	<3	262	0.7	<5	2.20	<1
195202	0.694	6	<2	6.97	4	513	1.0	<5	3.13	<1
195203	0.718	2	<2	8.08	<3	317	1.0	<5	2.80	<1
195204	0.752	6	<2	6.43	<3	21	1.0	<5	6.82	<1
195205	0.670	13	<2	6.85	5	309	0.7	<5	2.84	4
195206	0.605	4	<2	7.08	4	250	0.8	<5	2.97	<1
195207	0.678	1	<2	7.07	<3	219	0.7	<5	2.85	<1
195208	0.682	7	<2	7.45	4	213	0.6	<5	4.00	<1
195209	0.570	10	<2	6.94	3	221	0.6	<5	1.42	<1
195210	0.631	2	<2	7.08	<3	254	0.7	<5	2.91	<1
195211	0.625	<1	<2	7.76	<3	260	0.7	<5	3.28	<1
195212	0.630	6	<2	7.91	<3	253	0.7	<5	3.37	<1
*Rep 195212	<0.001	3	<2	7.64	4	256	0.7	<5	3.22	<1
195213	0.662	4	<2	6.92	<3	197	0.7	<5	2.83	<1
195214	0.620	11	<2	7.20	5	473	0.8	<5	1.56	<1
195215	0.643	3	<2	6.85	3	321	0.6	<5	1.85	<1
195216	0.746	13	<2	8.06	5	498	<0.5	<5	3.49	<1
195217	0.602	27	<2	7.10	<3	336	<0.5	<5	1.98	9
195218	0.565	1	<2	7.02	<3	275	<0.5	<5	3.19	<1
195219	0.685	<1	<2	7.67	<3	368	<0.5	<5	2.34	<1
195220	0.633	1	<2	7.89	<3	367	<0.5	<5	3.20	<1
195221	0.560	12	<2	7.37	4	518	<0.5	<5	0.98	1
195222	0.546	2	<2	8.24	<3	335	<0.5	<5	3.71	<1
195223	0.662	3	<2	7.40	<3	462	<0.5	<5	1.52	1
195224	0.676	6	3	8.22	<3	353	<0.5	<5	4.24	<1
*Rep 195224	<0.001	5	3	8.11	<3	338	<0.5	<5	4.16	<1
195225	0.651	11	<2	6.08	13	573	<0.5	<5	1.54	2
195226	0.596	3	<2	6.98	<3	277	<0.5	<5	2.98	<1
195227	0.638	<1	<2	7.31	<3	350	<0.5	<5	3.01	<1
195228	0.643	3	<2	7.12	4	368	<0.5	<5	2.92	<1
195229	0.722	5	<2	7.02	<3	1010	<0.5	<5	2.71	<1
195230	0.607	8	<2	6.56	5	931	1.1	<5	1.94	61
195231	0.666	20	<2	6.86	4	233	0.5	<5	1.36	73
195232	0.583	9	<2	6.34	4	1400	<0.5	<5	1.16	2
195233	0.493	44	<2	5.99	4	346	<0.5	<5	0.69	11
195234	0.713	44	<2	5.16	5	265	<0.5	<5	0.78	159
195235	0.680	3	<2	8.74	4	896	0.8	<5	2.74	<1
195236	0.676	3	<2	7.78	6	494	0.7	<5	3.66	<1
*Rep 195236	<0.001	2	<2	7.94	6	516	0.7	<5	3.75	<1
195237	0.667	5	<2	8.01	5	491	0.6	<5	2.68	1
195238	0.687	77	3	5.95	9	470	<0.5	<5	0.91	39

Element	WtKg	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd
Method	WGH79	@FAI303	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B
Det.Lim.	0.001	1	2	0.01	3	1	0.5	5	0.01	1
Units	Kg	PPB	PPM	%	PPM	PPM	PPM	PPM	%	PPM
195239	0.693	9	<2	7.76	4	615	0.7	<5	3.92	4
195240	0.698	9	<2	7.47	<3	1130	0.7	<5	2.13	5
195241	0.546	12	<2	6.94	3	488	0.7	<5	1.56	5
195242	0.588	216	5	3.37	20	205	<0.5	<5	0.68	275
195243	0.761	87	4	5.18	11	403	<0.5	<5	0.97	39
195244	0.588	17	<2	7.63	4	430	0.7	<5	2.84	1
195245	0.762	8	<2	7.33	<3	1520	0.8	<5	1.52	1
195246	0.763	288	3	6.18	4	774	<0.5	<5	1.17	4
195247	0.694	31	4	7.01	8	934	0.8	<5	1.67	9
195248	0.686	23	3	7.10	6	744	0.6	<5	1.93	7
*Rep 195248	<0.001	23	4	7.29	5	781	0.6	<5	2.00	8
195249	0.764	20	<2	7.17	6	701	0.6	<5	1.32	<1
195250	0.760	29	2	7.21	6	711	0.6	<5	1.83	3
SB-2	<0.001	I.S.	7	3.49	<3	379	<0.5	<5	0.57	3
195251	0.650	10	<2	6.77	5	663	0.6	<5	1.81	79
195252	0.729	37	4	6.14	<3	600	0.7	6	1.32	3
195253	0.697	2	<2	7.42	6	1020	0.7	<5	1.84	1
195254	0.736	10	<2	6.49	4	751	0.6	<5	1.42	14
195255	0.635	<1	<2	7.76	<3	476	0.6	<5	2.19	1
195256	0.681	19	<2	7.40	5	454	0.7	<5	1.21	2
195257	0.692	24	<2	7.15	4	364	0.6	<5	0.86	2
195258	0.755	6	<2	7.36	4	379	0.7	<5	1.56	3
195259	0.708	5	<2	6.76	6	325	0.7	<5	1.75	1
*Rep 195259	<0.001	5	<2	6.93	6	321	0.7	<5	1.79	1
195260	0.723	10	<2	7.33	4	351	0.8	<5	2.40	<1
195261	0.642	9	<2	6.84	4	276	1.3	<5	2.03	2
195262	0.717	4	<2	7.72	4	374	0.8	<5	1.90	<1
195263	0.717	15	<2	7.21	4	382	0.7	<5	1.84	1
195264	0.719	11	<2	7.35	<3	402	0.7	<5	1.86	<1
195265	0.615	9	<2	7.70	4	479	0.7	<5	1.68	2
195266	0.607	12	<2	7.34	4	524	0.5	<5	0.92	2
195267	0.734	64	8	5.58	3	295	0.5	14	1.94	34
195268	0.598	22	<2	6.40	<3	532	0.6	<5	1.34	3
195269	0.661	53	5	6.30	<3	584	<0.5	<5	1.19	<1
195270	0.701	56	6	5.60	<3	625	<0.5	8	0.80	2
195271	0.681	<1	<2	7.85	3	426	0.7	<5	2.30	<1
*Rep 195271	<0.001	6	<2	7.91	<3	435	0.6	<5	2.35	<1
195272	0.625	14	<2	5.72	<3	495	<0.5	<5	1.14	1
195273	0.654	20	3	8.32	3	536	0.7	<5	1.97	2
195274	0.693	16	2	5.35	<3	257	0.7	<5	0.53	1
195275	0.691	5	<2	8.19	<3	524	0.7	<5	2.19	<1
195276	0.565	10	<2	7.56	3	319	0.7	<5	1.99	2
195277	0.624	4	<2	7.67	<3	325	0.6	<5	3.08	<1

Element	WtKg	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd
Method	WGH79	@FAI303	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B
Det.Lim.	0.001	1	2	0.01	3	1	0.5	5	0.01	1
Units	Kg	PPB	PPM	%	PPM	PPM	PPM	PPM	%	PPM
195278	0.606	2	<2	7.62	<3	214	0.6	<5	2.54	<1
195279	0.630	1	<2	8.00	<3	263	0.7	<5	2.10	<1
195280	0.670	<1	<2	7.83	<3	373	0.6	<5	2.50	<1
195281	0.719	86	5	6.13	<3	342	0.6	<5	2.10	6
195282	0.732	7	<2	7.71	<3	391	0.8	<5	3.09	2
195283	0.716	506	>10	5.37	<3	358	<0.5	<5	1.22	69
*Rep 195283	<0.001	N.A.	>10	5.34	<3	363	<0.5	5	1.21	71
195284	0.726	1	<2	7.57	<3	282	0.6	<5	2.25	<1
195285	0.646	2	<2	7.53	<3	232	0.8	<5	2.87	<1
195286	0.651	2	<2	7.28	<3	340	0.8	<5	2.41	<1
195287	1.274	364	>10	4.98	<3	292	<0.5	24	0.88	9
195288	1.316	23	3	3.12	<3	134	<0.5	<5	0.97	28
195289	0.645	2	<2	7.87	<3	215	0.8	<5	2.16	1
195290	0.645	1	<2	7.59	<3	224	0.7	<5	2.67	<1
195291	0.669	93	9	6.88	<3	220	0.7	71	1.86	4
195292	0.694	<1	<2	6.95	<3	314	0.6	<5	1.96	<1
195293	1.058	168	>10	4.77	<3	219	12.1	38	0.51	26
195294	0.672	1	<2	7.35	4	262	1.3	<5	2.53	<1
195295	0.655	1	<2	8.63	<3	155	0.9	<5	2.81	<1
*Rep 195295	<0.001	<1	<2	8.57	<3	154	0.9	<5	2.79	<1
195296	0.666	<1	<2	8.13	<3	317	0.6	<5	2.26	1
195297	0.614	<1	<2	8.71	3	254	0.7	<5	3.12	<1
195298	0.680	1	<2	7.90	<3	448	0.7	<5	2.41	<1
195299	0.706	<1	<2	7.39	<3	345	0.7	<5	2.60	<1
195300	0.646	<1	<2	7.80	<3	176	0.7	<5	2.32	<1
195301	0.644	<1	<2	8.25	<3	356	0.8	<5	4.69	<1
195302	0.459	<1	<2	6.00	<3	161	0.9	<5	5.32	<1
195303	0.633	4	<2	7.63	<3	99	0.7	<5	1.93	<1
SB-1	<0.001	I.S.	<2	7.03	<3	266	0.7	<5	2.28	<1
195304	0.598	4	<2	7.38	4	170	0.8	<5	2.48	<1

Element	Co	Cr	Cu	Fe	K	La	Li	Mg	Mn	Mo
Method	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICF40B
Det.Lim.	1	1	0.5	0.01	0.01	0.5	1	0.01	2	1
Units	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	PPM
195201	13	31	36.8	3.58	1.09	20.1	28	1.45	1100	<1
*Rep 195201	13	35	39.2	3.83	1.12	19.5	28	1.49	1110	<1
SB-1	18	162	33.6	3.15	1.74	11.2	28	0.81	698	1
195202	14	32	59.6	3.71	0.90	19.8	21	1.28	707	<1
195203	13	41	65.7	4.11	1.61	21.2	35	1.74	1610	<1
195204	42	650	98.1	6.93	0.22	7.8	31	7.28	1480	<1
195205	13	43	44.1	4.06	1.97	20.3	30	1.61	1890	<1
195206	13	39	36.9	4.36	1.00	17.9	41	1.53	944	<1
195207	11	29	33.8	3.45	1.29	18.7	41	1.51	1950	<1
195208	14	32	73.8	4.31	1.26	15.4	40	1.56	811	<1
195209	15	58	116	4.45	1.38	15.2	64	2.23	839	<1
195210	15	29	39.6	4.83	0.97	22.2	39	2.11	984	<1
195211	13	34	30.4	4.52	0.93	15.7	33	1.83	824	<1
195212	14	32	48.1	4.74	1.13	16.9	31	2.13	1060	<1
*Rep 195212	14	28	48.8	4.57	1.11	16.3	31	2.09	1040	<1
195213	14	35	60.1	4.23	0.90	13.3	28	2.23	956	<1
195214	15	33	45.7	4.69	2.28	13.7	54	2.15	1060	<1
195215	15	32	53.9	4.04	1.60	14.4	56	2.04	932	<1
195216	12	38	38.4	3.86	2.62	19.1	34	2.00	2450	<1
195217	15	33	67.9	4.83	1.95	15.9	48	2.71	1690	<1
195218	22	378	30.1	4.36	1.00	16.9	29	3.18	1140	<1
195219	12	30	39.0	3.59	1.52	15.3	39	2.07	1350	<1
195220	15	41	44.7	4.49	1.40	15.1	27	1.82	1200	<1
195221	14	45	82.1	3.77	2.83	14.9	34	2.08	1610	<1
195222	16	43	50.4	4.39	1.52	14.9	35	2.45	984	<1
195223	15	46	42.7	4.08	2.34	13.0	40	2.61	2800	<1
195224	19	49	54.9	4.59	1.38	16.9	23	2.69	1440	15
*Rep 195224	18	43	54.4	4.53	1.37	16.5	22	2.64	1420	13
195225	15	28	38.2	2.48	2.97	13.8	11	0.56	807	<1
195226	10	21	42.1	2.98	1.91	21.5	18	1.43	1370	<1
195227	11	21	35.8	3.26	1.78	22.1	20	1.26	719	<1
195228	13	29	35.8	3.36	2.24	16.9	18	1.17	874	<1
195229	11	23	30.3	3.35	2.49	20.5	41	1.80	1690	<1
195230	11	23	35.0	4.03	2.79	16.3	29	1.67	2390	2
195231	16	21	90.5	6.07	3.32	17.3	34	1.50	2190	1
195232	11	17	53.7	3.96	3.06	15.3	33	1.63	1990	<1
195233	14	22	223	5.19	3.04	17.6	36	1.62	1660	<1
195234	12	21	136	4.98	2.58	12.9	30	1.46	1560	1
195235	14	27	54.0	4.79	3.73	24.0	31	1.69	1330	1
195236	15	28	48.5	4.63	2.50	15.0	39	2.12	3660	<1
*Rep 195236	16	28	49.3	4.73	2.54	17.3	40	2.16	3760	<1
195237	11	18	55.4	3.91	2.57	15.4	29	1.90	3080	<1
195238	24	16	234	6.58	2.20	13.4	27	1.25	2330	<1

Element	Co	Cr	Cu	Fe	K	La	Li	Mg	Mn	Mo
Method	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B
Det.Lim.	1	1	0.5	0.01	0.01	0.5	1	0.01	2	1
Units	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	PPM
195239	11	14	34.5	4.24	1.68	20.4	31	1.79	3280	<1
195240	17	29	49.6	4.64	2.09	18.2	53	1.85	2320	<1
195241	10	20	39.0	3.69	2.07	17.6	33	1.27	2030	<1
195242	88	16	1310	12.2	0.86	5.2	43	1.00	2130	<1
195243	25	25	1010	8.51	1.95	9.4	35	1.41	2290	<1
195244	15	30	54.3	4.08	1.95	16.0	24	1.05	1070	<1
195245	11	24	47.9	3.84	3.59	15.5	44	1.49	2780	<1
195246	15	26	337	5.49	2.82	12.5	33	1.17	3190	<1
195247	12	29	422	5.37	3.15	14.4	40	1.51	3780	<1
195248	13	35	521	5.11	3.21	15.3	35	1.37	3920	<1
*Rep 195248	13	31	521	5.26	3.31	16.1	36	1.41	4100	<1
195249	13	25	212	4.98	3.04	15.1	32	1.08	2620	<1
195250	15	26	362	5.00	3.21	15.3	36	1.32	3560	<1
SB-2	15	176	3630	8.12	1.41	7.0	28	1.11	1540	3
195251	12	23	142	4.39	2.96	13.7	33	1.28	3360	<1
195252	17	26	879	6.34	2.64	11.9	39	1.33	2920	<1
195253	15	22	89.6	4.27	2.23	14.0	48	1.16	2640	<1
195254	15	32	250	5.34	1.95	15.2	33	1.03	2370	<1
195255	13	24	40.9	4.10	2.05	15.5	48	1.30	1620	<1
195256	11	30	563	3.35	2.58	15.8	25	0.70	1640	<1
195257	9	32	682	4.13	2.76	9.7	28	0.73	1910	26
195258	14	32	70.7	3.79	2.40	15.7	33	1.16	2820	5
195259	14	30	50.0	4.28	1.95	14.0	34	1.16	2160	4
*Rep 195259	14	29	53.8	4.40	2.01	14.9	34	1.19	2260	3
195260	17	37	152	4.57	1.93	16.6	29	1.04	1980	2
195261	20	35	160	5.01	1.61	13.7	32	0.95	1670	3
195262	17	28	46.9	3.42	2.23	14.7	31	0.92	1480	1
195263	21	33	87.5	5.47	2.24	16.5	29	0.90	1830	2
195264	11	25	31.8	3.42	2.09	14.6	32	0.94	1690	<1
195265	15	30	82.7	3.49	2.43	14.1	27	0.82	1430	1
195266	10	21	273	2.17	2.61	15.3	21	0.44	719	1
195267	18	30	1270	5.34	1.63	14.1	24	1.19	2020	<1
195268	14	33	57.8	5.10	2.15	14.7	28	1.05	2720	<1
195269	17	32	1190	5.21	2.13	17.4	26	1.08	2270	<1
195270	32	35	1360	6.17	2.10	15.0	25	0.86	1880	<1
195271	14	25	40.0	4.78	1.11	16.7	42	1.83	1590	<1
*Rep 195271	13	28	38.4	4.90	1.11	17.8	42	1.85	1610	<1
195272	17	24	119	4.90	1.46	19.5	70	1.51	1160	<1
195273	32	32	839	10.1	2.74	27.8	65	1.90	2580	1
195274	8	19	578	7.13	1.81	11.8	39	1.11	1590	<1
195275	10	22	26.8	3.67	1.26	20.6	27	0.95	915	<1
195276	12	19	158	4.98	1.54	15.5	44	1.41	2270	<1
195277	9	16	15.5	3.74	1.28	17.8	35	1.28	1480	<1

Element	Co	Cr	Cu	Fe	K	La	Li	Mg	Mn	Mo
Method	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B
Det.Lim.	1	1	0.5	0.01	0.01	0.5	1	0.01	2	1
Units	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	PPM
195278	10	19	29.8	3.39	0.63	18.9	39	1.11	795	<1
195279	10	22	29.8	3.67	1.29	24.9	36	1.08	737	<1
195280	11	39	46.4	3.84	1.01	19.8	31	1.32	1650	<1
195281	103	27	2340	7.43	1.15	12.6	26	1.24	1510	3
195282	11	18	78.1	3.75	1.34	17.0	31	1.26	1750	<1
195283	16	19	6330	6.01	1.60	12.6	37	1.02	1240	1
*Rep 195283	17	18	6340	5.98	1.58	11.8	37	1.01	1230	1
195284	12	23	34.3	4.50	1.21	17.2	36	1.49	2400	<1
195285	12	16	48.2	4.09	1.33	15.1	44	1.57	2100	<1
195286	12	19	44.4	3.94	1.40	16.8	39	1.40	1720	<1
195287	31	16	7860	10.4	1.40	11.6	16	0.68	1140	<1
195288	14	19	610	9.89	0.71	12.1	10	0.70	1020	2
195289	12	19	106	4.66	1.21	16.8	52	1.84	2360	<1
195290	11	21	55.4	4.05	0.71	17.0	22	1.14	1400	<1
195291	14	20	3520	5.32	0.91	16.8	41	1.39	1450	2
195292	13	18	29.1	4.50	1.37	13.9	36	1.35	1630	<1
195293	16	19	7950	5.90	1.14	9.3	60	1.32	1900	2
195294	11	17	11.8	3.43	0.99	16.5	27	1.11	1110	<1
195295	11	17	44.0	4.05	0.83	17.5	24	1.31	1720	<1
*Rep 195295	11	17	47.7	4.03	0.83	17.5	23	1.30	1720	<1
195296	13	26	63.4	4.16	0.99	16.8	24	1.21	1670	<1
195297	11	27	11.3	4.25	1.17	21.0	25	1.42	1490	<1
195298	11	25	38.2	4.13	1.20	19.8	28	1.48	1040	<1
195299	10	20	35.9	3.67	1.41	18.6	30	1.38	955	<1
195300	11	26	32.2	3.75	0.73	19.1	18	1.05	549	<1
195301	14	97	33.9	4.09	1.87	19.1	45	1.95	848	<1
195302	7	19	9.1	1.43	1.59	15.4	16	0.33	657	1
195303	11	24	4.8	3.92	1.12	10.2	47	1.78	772	<1
SB-1	18	192	34.9	3.26	1.77	11.9	29	0.83	725	1
195304	10	20	20.8	3.35	0.74	17.1	20	1.11	554	4

Element	Na	Ni	P	Pb	Sb	Sc	Sn	Sr	Ti	V
Method	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B
Det.Lim.	0.01	1	0.01	2	5	0.5	10	0.5	0.01	2
Units	%	PPM	%	PPM	PPM	PPM	PPM	PPM	%	PPM
195201	1.93	32	0.05	13	<5	10.8	<10	102	0.25	92
*Rep 195201	2.05	33	0.05	12	<5	10.7	<10	109	0.26	93
SB-1	1.24	37	0.06	10	7	12.6	<10	74.2	0.24	81
195202	1.86	30	0.05	47	<5	10.3	<10	137	0.21	100
195203	1.98	34	0.09	72	7	11.7	<10	139	0.38	102
195204	1.58	205	0.05	40	10	44.9	<10	144	0.21	273
195205	1.00	34	0.07	197	8	11.5	<10	55.7	0.25	94
195206	1.86	31	0.06	27	8	12.0	<10	103	0.30	102
195207	1.65	23	0.06	24	<5	10.3	<10	95.6	0.25	94
195208	1.94	27	0.07	5	6	12.6	<10	91.5	0.28	101
195209	2.11	38	0.07	7	7	10.0	<10	54.2	0.24	86
195210	2.14	28	0.12	15	7	12.3	<10	90.6	0.39	109
195211	2.55	27	0.07	20	6	13.2	<10	143	0.35	111
195212	2.35	28	0.07	14	9	13.6	<10	101	0.36	111
*Rep 195212	2.27	28	0.07	14	6	13.6	<10	97.4	0.35	111
195213	2.02	25	0.07	14	6	12.5	<10	93.6	0.27	97
195214	1.06	33	0.07	43	10	13.3	<10	76.1	0.30	110
195215	1.23	28	0.06	98	8	12.5	<10	62.6	0.25	104
195216	0.38	26	0.07	60	6	11.0	<10	72.1	0.31	100
195217	1.05	30	0.07	70	7	10.9	<10	66.3	0.26	99
195218	1.77	123	0.08	9	5	14.4	<10	77.1	0.27	126
195219	1.75	27	0.06	82	6	11.7	<10	68.9	0.32	105
195220	2.12	32	0.07	19	6	12.8	<10	66.9	0.39	114
195221	0.40	30	0.08	141	8	12.7	<10	29.2	0.30	115
195222	1.17	31	0.07	11	9	14.1	<10	58.8	0.43	116
195223	1.01	30	0.08	122	6	12.4	<10	60.2	0.34	104
195224	1.83	35	0.09	17	10	14.1	<10	80.6	0.40	125
*Rep 195224	1.81	33	0.09	17	7	13.9	<10	79.3	0.40	120
195225	0.87	25	0.04	124	<5	9.0	<10	52.1	0.17	85
195226	0.93	19	0.06	34	7	8.9	<10	52.6	0.26	81
195227	1.78	21	0.05	12	<5	8.5	<10	70.6	0.29	82
195228	1.80	28	0.05	12	6	9.4	<10	96.6	0.27	92
195229	0.54	23	0.05	48	7	9.2	<10	66.2	0.29	85
195230	0.32	18	0.05	92	6	9.8	<10	55.2	0.27	67
195231	0.26	20	0.05	170	9	8.4	<10	45.3	0.28	70
195232	0.27	18	0.05	89	6	7.9	<10	42.4	0.27	65
195233	0.19	17	0.04	43	6	7.2	<10	24.5	0.25	61
195234	0.17	17	0.04	42	5	6.6	<10	26.1	0.23	59
195235	1.18	28	0.08	24	9	11.8	<10	78.9	0.37	100
195236	0.31	34	0.06	34	6	12.0	<10	73.9	0.34	105
*Rep 195236	0.32	35	0.06	37	7	12.1	<10	75.9	0.34	107
195237	1.19	17	0.05	80	9	10.5	<10	41.8	0.32	93
195238	0.69	19	0.05	74	7	8.8	<10	28.1	0.25	79

Element	Na	Ni	P	Pb	Sb	Sc	Sn	Sr	Ti	V
Method	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B
Det.Lim.	0.01	1	0.01	2	5	0.5	10	0.5	0.01	2
Units	%	PPM	%	PPM	PPM	PPM	PPM	PPM	%	PPM
195239	2.15	16	0.08	122	6	10.5	<10	78.3	0.32	93
195240	1.90	32	0.06	101	6	11.7	<10	106	0.33	101
195241	1.73	20	0.05	156	6	8.9	<10	60.0	0.26	68
195242	0.72	13	0.03	45	11	4.8	<10	26.3	0.14	44
195243	0.53	19	0.04	77	9	7.2	<10	37.8	0.22	69
195244	1.34	28	0.07	113	8	10.8	<10	114	0.33	94
195245	1.27	26	0.06	108	7	10.5	<10	104	0.32	86
195246	0.38	24	0.05	47	<5	8.5	<10	45.5	0.26	70
195247	0.27	27	0.06	1050	10	10.2	<10	51.9	0.29	84
195248	0.32	30	0.06	370	10	10.1	<10	53.8	0.29	83
*Rep 195248	0.33	26	0.06	370	9	10.4	<10	55.6	0.30	86
195249	0.36	26	0.06	54	9	10.2	<10	40.6	0.31	86
195250	0.30	25	0.06	78	7	10.2	<10	47.5	0.30	85
SB-2	0.35	15	0.03	62	11	4.4	<10	20.3	0.13	34
195251	0.35	23	0.05	54	<5	9.7	<10	51.3	0.29	80
195252	0.31	23	0.05	95	8	8.2	<10	45.7	0.26	68
195253	1.55	29	0.06	46	<5	10.3	<10	73.9	0.30	90
195254	1.28	29	0.06	44	6	9.6	<10	57.4	0.27	79
195255	1.75	28	0.06	33	7	10.8	<10	68.5	0.32	87
195256	0.58	24	0.06	100	7	10.5	<10	37.9	0.28	86
195257	0.33	22	0.05	44	<5	10.2	<10	20.8	0.27	84
195258	0.67	30	0.06	98	5	11.0	<10	35.7	0.31	88
195259	0.76	27	0.06	36	7	10.4	<10	41.9	0.27	86
*Rep 195259	0.78	26	0.06	34	7	10.5	<10	42.5	0.28	85
195260	0.92	32	0.06	22	7	10.9	<10	52.9	0.25	89
195261	1.03	37	0.06	24	9	11.5	<10	49.1	0.25	80
195262	1.04	28	0.06	22	<5	10.6	<10	46.4	0.27	87
195263	0.70	34	0.06	19	6	10.2	<10	30.7	0.27	79
195264	0.74	24	0.06	19	8	10.7	<10	30.3	0.27	88
195265	0.71	27	0.06	27	5	11.1	<10	28.9	0.25	88
195266	0.59	24	0.06	26	<5	10.4	<10	23.2	0.24	84
195267	0.61	22	0.04	24	6	8.7	<10	27.8	0.22	71
195268	0.57	24	0.06	51	7	9.0	<10	34.0	0.27	70
195269	0.72	18	0.06	61	7	9.1	<10	40.2	0.27	77
195270	0.45	23	0.05	51	8	8.2	<10	24.9	0.25	66
195271	2.66	22	0.06	18	6	10.5	<10	96.3	0.36	96
*Rep 195271	2.68	24	0.06	17	7	10.5	<10	97.7	0.36	96
195272	0.99	29	0.07	31	8	12.3	<10	73.0	0.34	99
195273	0.72	41	0.09	35	14	11.8	<10	65.1	0.43	100
195274	0.69	18	0.04	74	9	7.1	<10	54.3	0.21	64
195275	3.32	16	0.05	13	6	9.6	<10	114	0.31	80
195276	1.37	18	0.06	29	8	9.5	<10	82.9	0.26	73
195277	1.90	15	0.05	14	7	8.9	<10	77.0	0.27	73

Element	Na	Ni	P	Pb	Sb	Sc	Sn	Sr	Ti	V
Method	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP40B
Det.Lim.	0.01	1	0.01	2	5	0.5	10	0.5	0.01	2
Units	%	PPM	%	PPM	PPM	PPM	PPM	PPM	%	PPM
195278	3.06	16	0.05	14	<5	8.9	<10	101	0.23	71
195279	3.13	20	0.04	25	5	9.8	<10	77.2	0.30	74
195280	2.88	23	0.05	12	<5	10.1	<10	76.4	0.28	78
195281	1.70	24	0.04	15	10	7.9	<10	58.2	0.23	68
195282	1.52	15	0.05	13	5	9.0	<10	66.3	0.26	73
195283	0.88	13	0.04	32	7	6.8	<10	27.1	0.20	57
*Rep 195283	0.88	13	0.04	32	7	7.0	<10	27.0	0.21	58
195284	2.04	16	0.04	15	7	9.1	<10	44.5	0.27	75
195285	1.10	16	0.05	23	6	9.2	<10	51.0	0.25	74
195286	1.43	16	0.05	34	6	8.5	<10	52.1	0.26	70
195287	1.03	21	0.03	295	10	6.0	<10	41.4	0.16	53
195288	0.60	24	0.04	67	13	5.9	<10	41.0	0.12	39
195289	1.83	17	0.05	8	<5	9.7	<10	54.8	0.31	77
195290	2.58	15	0.05	10	5	9.0	<10	58.1	0.27	75
195291	1.73	15	0.05	20	6	9.3	<10	66.2	0.25	72
195292	1.67	16	0.05	13	5	7.9	<10	42.2	0.27	64
195293	0.71	10	0.05	76	8	6.0	<10	22.3	0.18	50
195294	2.40	15	0.05	7	<5	9.8	<10	63.6	0.23	69
195295	3.34	16	0.05	8	6	9.9	<10	98.9	0.29	83
*Rep 195295	3.31	16	0.05	8	7	9.8	<10	97.5	0.29	82
195296	2.90	17	0.05	59	7	9.8	<10	81.6	0.32	80
195297	2.53	18	0.05	15	6	10.2	<10	92.3	0.33	84
195298	2.88	17	0.05	7	6	9.7	<10	109	0.28	79
195299	1.71	18	0.05	13	6	9.3	<10	88.2	0.26	75
195300	3.39	18	0.05	4	<5	9.7	<10	148	0.23	78
195301	1.08	34	0.08	5	<5	11.1	<10	82.3	0.29	85
195302	0.64	11	0.05	<2	<5	8.5	<10	38.0	0.18	62
195303	2.37	20	0.05	2	<5	9.8	<10	41.2	0.22	75
SB-1	1.26	38	0.06	9	<5	12.9	<10	76.1	0.25	83
195304	3.05	17	0.05	5	5	9.1	<10	135	0.23	72

Element	W	Y	Zn	Zr	Cu	Pb	Zn
Method	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP90Q	@ICP90Q	@ICP90Q
Det.Lim.	10	0.5	0.5	0.5	0.01	0.01	0.01
Units	PPM	PPM	PPM	PPM	%	%	%
195201	10	12.6	72.7	125	N.A.	N.A.	N.A.
*Rep 195201	10	12.0	80.2	127	N.A.	N.A.	N.A.
SB-1	<10	6.3	75.1	85.0	N.A.	N.A.	N.A.
195202	10	12.4	251	122	N.A.	N.A.	N.A.
195203	<10	12.3	249	146	N.A.	N.A.	N.A.
195204	20	9.8	132	46.1	N.A.	N.A.	N.A.
195205	10	10.9	862	148	N.A.	N.A.	N.A.
195206	10	11.7	262	135	N.A.	N.A.	N.A.
195207	<10	11.9	125	116	N.A.	N.A.	N.A.
195208	10	16.1	101	123	N.A.	N.A.	N.A.
195209	10	14.2	41.3	149	N.A.	N.A.	N.A.
195210	20	12.9	106	159	N.A.	N.A.	N.A.
195211	10	11.1	109	127	N.A.	N.A.	N.A.
195212	10	15.4	113	145	N.A.	N.A.	N.A.
*Rep 195212	10	15.1	113	145	N.A.	N.A.	N.A.
195213	10	10.2	114	141	N.A.	N.A.	N.A.
195214	10	6.5	220	136	N.A.	N.A.	N.A.
195215	10	5.0	237	148	N.A.	N.A.	N.A.
195216	10	12.4	265	159	N.A.	N.A.	N.A.
195217	20	8.8	1860	130	N.A.	N.A.	N.A.
195218	20	10.4	84.4	126	N.A.	N.A.	N.A.
195219	<10	7.5	261	136	N.A.	N.A.	N.A.
195220	10	12.8	91.8	136	N.A.	N.A.	N.A.
195221	10	6.6	537	151	N.A.	N.A.	N.A.
195222	10	7.0	68.6	142	N.A.	N.A.	N.A.
195223	10	12.7	418	130	N.A.	N.A.	N.A.
195224	20	24.9	94.2	126	N.A.	N.A.	N.A.
*Rep 195224	20	24.0	89.5	119	N.A.	N.A.	N.A.
195225	<10	8.6	517	106	N.A.	N.A.	N.A.
195226	<10	12.1	97.9	122	N.A.	N.A.	N.A.
195227	<10	14.5	83.5	104	N.A.	N.A.	N.A.
195228	10	11.2	78.8	133	N.A.	N.A.	N.A.
195229	10	11.0	251	121	N.A.	N.A.	N.A.
195230	10	9.5	>10000	114	N.A.	N.A.	N.A.
195231	20	10.1	>10000	125	N.A.	N.A.	N.A.
195232	10	8.6	656	110	N.A.	N.A.	N.A.
195233	10	8.5	2680	107	N.A.	N.A.	N.A.
195234	20	7.1	>10000	111	N.A.	N.A.	N.A.
195235	20	12.0	170	152	N.A.	N.A.	N.A.
195236	10	14.2	164	142	N.A.	N.A.	N.A.
*Rep 195236	20	14.6	156	143	N.A.	N.A.	N.A.
195237	10	9.6	514	138	N.A.	N.A.	N.A.
195238	20	8.0	6500	114	N.A.	N.A.	N.A.

Element	W	Y	Zn	Zr	Cu	Pb	Zn
Method	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP90Q	@ICP90Q	@ICP90Q
Det.Lim.	10	0.5	0.5	0.5	0.01	0.01	0.01
Units	PPM	PPM	PPM	PPM	%	%	%
195239	10	13.5	841	106	N.A.	N.A.	N.A.
195240	10	10.9	1260	126	N.A.	N.A.	N.A.
195241	10	10.1	1130	132	N.A.	N.A.	N.A.
195242	50	6.3	>10000	66.4	N.A.	N.A.	N.A.
195243	30	8.4	5470	102	N.A.	N.A.	N.A.
195244	10	8.6	224	132	N.A.	N.A.	N.A.
195245	10	14.2	487	145	N.A.	N.A.	N.A.
195246	20	11.7	895	119	N.A.	N.A.	N.A.
195247	50	13.5	2260	137	N.A.	N.A.	N.A.
195248	50	15.0	2100	137	N.A.	N.A.	N.A.
*Rep 195248	50	15.5	2190	141	N.A.	N.A.	N.A.
195249	40	12.8	331	137	N.A.	N.A.	N.A.
195250	40	13.8	881	133	N.A.	N.A.	N.A.
SB-2	20	5.5	224	67.5	N.A.	N.A.	N.A.
195251	10	13.0	5820	131	N.A.	N.A.	N.A.
195252	20	11.0	803	116	N.A.	N.A.	N.A.
195253	10	11.9	323	142	N.A.	N.A.	N.A.
195254	20	10.3	1730	132	N.A.	N.A.	N.A.
195255	10	9.2	373	146	N.A.	N.A.	N.A.
195256	10	8.9	366	139	N.A.	N.A.	N.A.
195257	20	11.3	715	137	N.A.	N.A.	N.A.
195258	10	12.5	335	143	N.A.	N.A.	N.A.
195259	20	9.5	218	137	N.A.	N.A.	N.A.
*Rep 195259	20	10.2	235	140	N.A.	N.A.	N.A.
195260	20	10.5	187	144	N.A.	N.A.	N.A.
195261	20	9.1	222	137	N.A.	N.A.	N.A.
195262	10	7.4	175	148	N.A.	N.A.	N.A.
195263	20	9.0	264	143	N.A.	N.A.	N.A.
195264	10	8.2	261	146	N.A.	N.A.	N.A.
195265	10	7.7	440	153	N.A.	N.A.	N.A.
195266	<10	7.1	470	142	N.A.	N.A.	N.A.
195267	20	10.8	5900	122	N.A.	N.A.	N.A.
195268	20	11.1	333	123	N.A.	N.A.	N.A.
195269	20	10.5	215	127	N.A.	N.A.	N.A.
195270	20	8.4	190	107	N.A.	N.A.	N.A.
195271	10	10.3	285	121	N.A.	N.A.	N.A.
*Rep 195271	10	10.3	287	117	N.A.	N.A.	N.A.
195272	10	7.0	182	148	N.A.	N.A.	N.A.
195273	30	14.5	441	185	N.A.	N.A.	N.A.
195274	20	8.3	392	99.6	N.A.	N.A.	N.A.
195275	10	11.8	117	132	N.A.	N.A.	N.A.
195276	10	11.2	437	124	N.A.	N.A.	N.A.
195277	10	13.8	264	111	N.A.	N.A.	N.A.

Element	W	Y	Zn	Zr	Cu	Pb	Zn
Method	@ICP40B	@ICP40B	@ICP40B	@ICP40B	@ICP90Q	@ICP90Q	@ICP90Q
Det.Lim.	10	0.5	0.5	0.5	0.01	0.01	0.01
Units	PPM	PPM	PPM	PPM	%	%	%
195278	10	7.1	70.9	125	N.A.	N.A.	N.A.
195279	10	7.9	104	174	N.A.	N.A.	N.A.
195280	10	11.0	324	155	N.A.	N.A.	N.A.
195281	20	9.6	820	114	N.A.	N.A.	N.A.
195282	<10	11.0	451	151	N.A.	N.A.	N.A.
195283	20	7.2	1150	109	N.A.	N.A.	N.A.
*Rep 195283	20	7.3	1170	111	N.A.	N.A.	N.A.
195284	10	10.3	180	148	N.A.	N.A.	N.A.
195285	10	12.4	193	152	N.A.	N.A.	N.A.
195286	10	10.6	207	143	N.A.	N.A.	N.A.
195287	30	5.0	1560	95.3	0.88	0.03	0.63
195288	30	6.7	2710	66.8	0.07	<0.01	1.65
195289	10	16.0	266	151	N.A.	N.A.	N.A.
195290	10	11.3	121	134	N.A.	N.A.	N.A.
195291	10	9.4	306	139	N.A.	N.A.	N.A.
195292	10	12.9	109	105	N.A.	N.A.	N.A.
195293	20	8.0	4220	80.7	N.A.	N.A.	N.A.
195294	10	11.4	96.6	117	N.A.	N.A.	N.A.
195295	10	11.4	266	118	N.A.	N.A.	N.A.
*Rep 195295	10	11.4	268	123	N.A.	N.A.	N.A.
195296	10	13.0	193	138	N.A.	N.A.	N.A.
195297	10	15.2	122	132	N.A.	N.A.	N.A.
195298	10	11.1	212	135	N.A.	N.A.	N.A.
195299	10	15.5	65.1	130	N.A.	N.A.	N.A.
195300	10	13.3	54.4	146	N.A.	N.A.	N.A.
195301	10	15.3	51.9	116	N.A.	N.A.	N.A.
195302	<10	18.9	10.0	157	N.A.	N.A.	N.A.
195303	10	13.9	61.4	151	N.A.	N.A.	N.A.
SB-1	<10	6.4	73.0	87.6	N.A.	N.A.	N.A.
195304	10	13.7	49.3	122	N.A.	N.A.	N.A.

Appendix V. Project Costs

Labour				
Item	**Daily Rate**	**Days**	**Total**	
Billy (Prospector)	$ 400.00	7	$ 2,800.00	
Kevin (bush hand)	$ 400.00	7	$ 2,800.00	
Alex P.Geo (Field)	$ 525.00	4	$ 2,100.00	
Alex P.Geo (Report)	$ 525.00	2	$ 1,050.00	
Luc Lepage P.Geo (Field, Lab, Travel)	$ 550.00	10	$ 5,500.00	
Luc Lepage P.Geo. (Report)	$ 550.00	4	$ 2,200.00	
Ben K (Field and Report)	$ 525.00	2	$ 1,050.00	
Greg (Field, Assay Lab, Travel)	$ 750.00	3	$ 2,250.00	
Greg (Logistics, Analysis, Report)	$ 750.00	4	$ 3,000.00	
Greg GST	5%		$ 262.50	
Luc HST	13%		$ 1,001.00	
Pleson HST	13%		$ 1,786.32	
				$ 25,799.82
Expenses			Eligible	**$ 22,750.00**
Item	**Daily Rate**	**Days**	**Total**	
Chain Saw x2	$ 50.00	7	$ 350.00	
Tent x2	$ 100.00	7	$ 700.00	
Cots x4	$ 50.00	7	$ 350.00	
Core splitter	$ 50.00	7	$ 350.00	
Generator	$ 30.00	7	$ 210.00	
Camp Supplies/Cooking	$ 30.00	7	$ 210.00	
Wood Stove	$ 30.00	7	$ 210.00	
Radios and Sat phone	$ 50.00	7	$ 350.00	
				$ 2,730.00
Food (4 guys)			$ 910.94	
Core Boxes (40)			$ 300.00	
Gas/Oil (GD)			$ 208.92	
Food (GD)			$ 144.84	
ALS Assaying			$ 3,905.60	
ALS Shipping rejects			$ 114.20	
Misc - Greg shipping			$ 79.07	
Misc - Luc shipping			$ 250.32	
				$ 5,913.89
Travel - Vendors			$ 951.60	
Travel - Greg			$ 1,910.26	
Vehicle - Greg			$ 230.92	
Travel - Luc			$ 1,228.98	
Vehicle - Luc			$ 301.83	
Leuenberger Cessna	$ 246.00	2	$ 555.96	
Leuenberger Otter	$ 480.00	6	$ 3,769.68	
Taiga	$ 1,915.00	2.2	$ 4,533.90	
				$ 13,483.13
			Total	**$ 44,877.02**