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**GEOLOGICAL REPORT ON THE SHELBY LAKE WEST PROSPECT,
NORTHWESTERN ONTARIO, CANADA**

Thunder Bay Mining Division

Wardrope Township
NTS 52 H/4NW
N48° 56' 45.0'' and W89° 55' 07.4''
UTM Zones U16
286298E, 5425541N (U16)

for

Empire Metals Corp.
702-889 West Pender St.
Vancouver, B.C.
V6C 3B2

by

Bohumil (Boris) Molak, PhD., P. Geo (BC) & William J. Richmond

June 25, 2019

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SUMMARY

The Shelby Lake West Prospect (“SLWP”) is a gold - platinum group element target situated approximately 95 km northwest of Thunder Bay, Northwestern Ontario. The SLWP consists of 16 contiguous cell claims covering approximately 333 hectares. Recorded holder of the Shelby Lake Claim, W. J. Richmond optioned the claims in 2016 to Empire Rock Minerals Inc. and pursuant to the Agreement, Empire acquires a 100% interest in and to the SLWP, subject to a 1.5% net smelter returns royalty, by making cash payments totaling \$7,000 to the vendors and issuing 25,000 common shares.

In June and September 2018, the writers conducted a field program on the SLWP consisting of traversing, prospecting and rock sampling. Several mafic, ultramafic and felsic outcrops were located and sampled. The assays returned up to 0.061 ppm gold, up to 0.018 ppm platinum and up to 0.018 ppm palladium. Further outcrop mapping and sampling is recommended.

1. INTRODUCTION

Empire Metals Corp. (“Empire”) retained the writers in June 20, 2018 to conduct prospecting and outcrop mapping/sampling on the SLWP and to prepare a report for filing. The first writer is a consulting geologist residing in Vancouver, BC, and a Professional Geoscientist with over forty years of experience in geology, mineral exploration and research. He, together with the second writer conducted a field program on the SLWP intermittently in June and October 2018. Subject to agreement with Empire, the writers consent to the filing of this report with the Provincial Mining Recorder Office, Ministry of Northern Development and Mines of Ontario.

1.1. Location and Access

The SLWP is situated in the Northwestern Ontario, approximately 95 kilometers northwest of Thunder Bay. The prospect lies within the Thunder Bay Mining Division (Figs. 1, 2) on the Map Sheet NTS 52 H/4 and is centered at N48° 56’ 45.0’’ and latitude and W89°55’07.4’’ longitude, the UTM coordinates 286298E, 5425541N, zone U16 (NAD83).

The access from Thunder Bay is by Highway 17 and then via all-weather Dog River Road for about 10.5 km north where a dirt road branches off east and runs close to the northern margin of the SLWP.

1.2. The Claims

The SLWP consist of 16 claim units covering approximately 333 hectares (3.33 sq. kms). The claim information as of February 28, 2019 is listed in Table 1 below:

Table 1: Claim information

4282345	21.220	Shelby	123987	Single Cell Mining Claim	2019-09-26	400
4282345	21.218	Shelby	168507	Single Cell Mining Claim	2019-09-26	400
4282345	21.222	Shelby	169040	Single Cell Mining Claim	2019-09-26	400
4282345	21.222	Shelby	181945	Single Cell Mining Claim	2019-09-26	400
4282345	21.222	Shelby	187987	Single Cell Mining Claim	2019-09-26	400
4282345	17.340	Shelby	235831	Boundary Cell Mining Claim	2019-09-26	200
4282345	19.291	Shelby	235832	Boundary Cell Mining Claim	2019-09-26	200
4282345	21.218	Shelby	237383	Single Cell Mining Claim	2019-09-26	400
4282345	21.223	Shelby	237407	Single Cell Mining Claim	2019-09-26	200
4282345	21.220	Shelby	283787	Single Cell Mining Claim	2019-09-26	400
4282345	21.220	Shelby	283788	Single Cell Mining Claim	2019-09-26	400
4282345	21.222	Shelby	291858	Single Cell Mining Claim	2019-09-26	400
4282345	21.218	Shelby	331068	Single Cell Mining Claim	2019-09-26	400
4282345	21.223	Shelby	331091	Single Cell Mining Claim	2019-09-26	200
4282345	21.223	Shelby	343441	Single Cell Mining Claim	2019-09-26	400
4282345	21.224	Shelby	343442	Single Cell Mining Claim	2019-09-26	400
TOTAL 333.726 Ha						



Fig. 1: Shelby Lake West Prospect, location map.

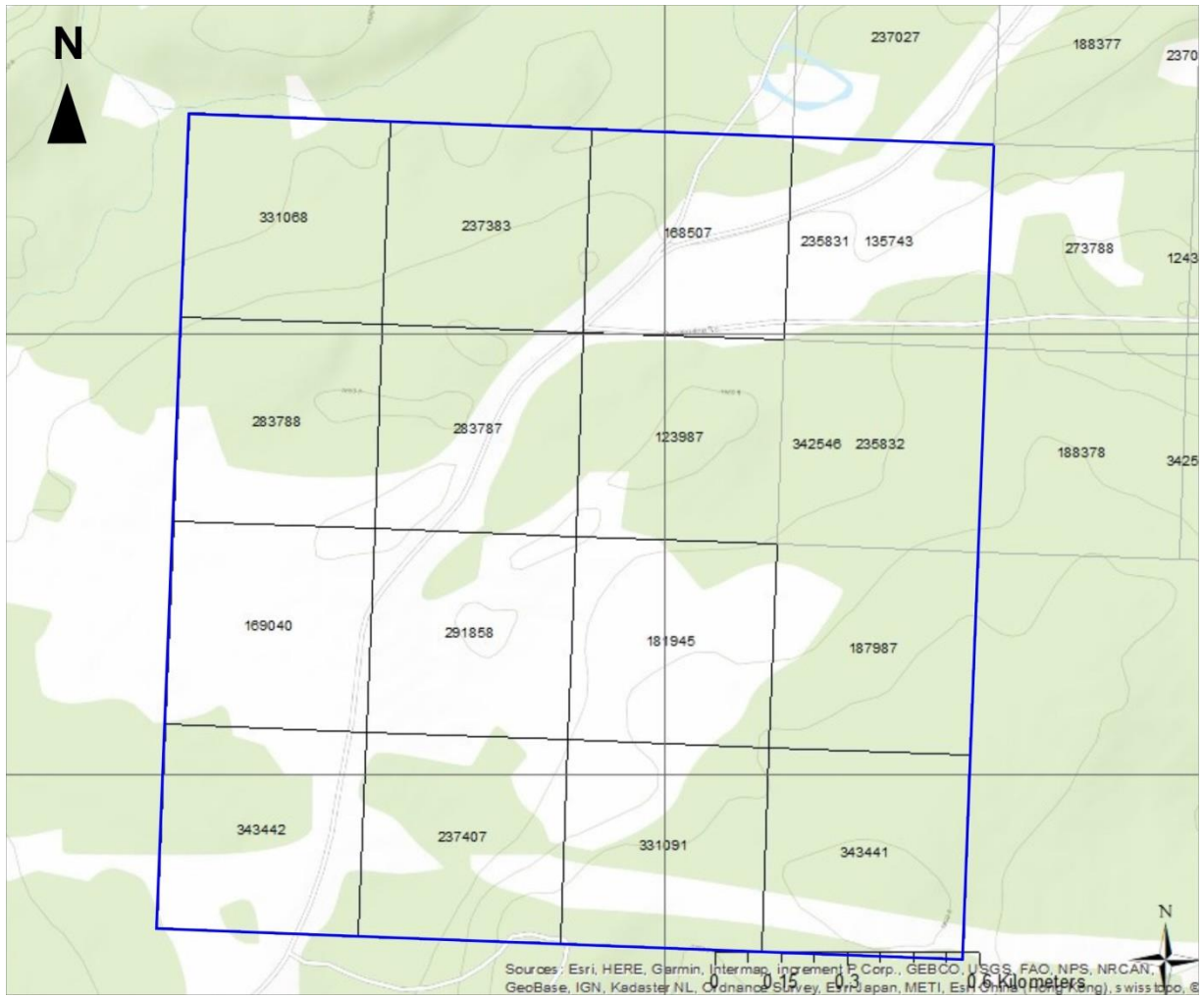


Fig. 2: Shelby Lake West Prospect, claim map.

1.3. Topography, Vegetation and Local Resources

Topographic relief is moderately flat ranging from 440 meters to 460 meters above sea level. The area belongs to boreal forest eco-region characterized by numerous lakes and swamps. The area is characterized by hot summers with maximum temperatures of 38 ° C and cold, snowy winters, with minimum temperature of - 40 ° C. Mean annual precipitation is about 715 mm. The area is snow covered for up to 5.5 months per year. Relative humidity ranges from 50 per cent to 80 per cent and the prevailing winds in the area blow from the northwest.

The vegetation consists of mature stands of black spruce, jack pine, poplar and birch with moss covered regolith and little underbrush composed mainly of willow and Labrador teeth. Patchy areas of thick willow and alder bushes are common and usually represent slightly lower elevated areas or along old logging roads. Most of the area is covered by glacial till and outcrops occur along elongated elevations and/or ridges.

The city of Thunder Bay is the closest centre that provides all services required to conduct mineral exploration. It includes an airport with daily flights to major Canadian cities, rail and an ocean connection via Great Lakes and St. Lawrence Seaway.

1.4. History

Greenstone Belts and mafic/ultra-mafic intrusions of Northwestern Ontario were targeted for gold and copper – nickel - PGE potential since the 1950's.

In 1962, the Ontario Department of Mines in conjunction with the Geological Survey of Canada conducted an aeromagnetic survey in the area (ODM-GSC 1962).

In 1991, Ontario Geological Survey released the geological map 1:1,000,000 Bedrock Geology of Ontario with Explanatory Notes and Legend, Map 2545, and Bedrock Geology of Ontario west-central sheet, Map 2542.

W. J. Richmond staked the claim in 2016 based on the occurrence of mafic to ultra-mafic rocks and possible association with the gold and/or PGE mineralization.

1.5. Regional Geology

The SLWP is located in the Wabigoon Subprovince of Northwestern Ontario, within an Archean granite/gneiss, greenstone belt terrain. The area is underlain predominantly by an earlier, gneissic to foliated tonalite to granodiorite suite and supracrustal rocks of the Bo Lake - Heaven Lake greenstone belt. The Neo- to Mesoarchean greenstone belt consists of greenstones surrounded and cut into by granitic rocks 3,200 to 2,650 MA ago. The Mafic plain assemblage (“MPA”) consisting of mafic to lesser amount of ultramafic flow rocks with minor layers of deep-water graphite schists and argillites are also part of the greenstone belt (Blackburn et al, 1991).

A relatively younger granitoid suite comprising granodiorite, tonalite, quartz diorite and granite, intrudes both gneissic tonalite and supracrustal rocks, and is thought to be coeval with

mafic to ultramafic intrusive rocks of the Lac des Iles - Buck Lake area (Smith and Sutcliffe, 1988). Middle Proterozoic diabase dikes and sills were emplaced during the Keweenawan rifting (1.1 Ga) and intrude all the above rock types (Osmani 1991).

The whole rock geochemistry indicates that the mafic/ultramafic rocks are of calc-alkaline to tholeiitic affinity, and as such probably formed in an island arc environment. The geological setting and rock association indicates that the parental magma contained water, which probably became concentrated during fractional crystallization until hornblende appeared as a liquidus phase. Such parental magmas are typical features of igneous provinces formed at destructive plate boundaries (Osmani, 2001).

The mafic-ultramafic intrusions in the area occur on a circular structure about 30 kilometers across, which includes the Lac des Iles Intrusion, the Tib Lake Intrusion, the Buck Lake Intrusion, the Dog River Intrusion, the Shelby Lake Intrusion, the Demars Lake Intrusion, the Wakinoo Lake Intrusion and the Taman Lake Intrusion. The largest of them, the Lac des Iles Intrusive Complex, hosts the Lac des Iles PGE deposit. The intrusions are characterized by magnetic and Bouguer gravity anomalies (Gupta and Sutcliffe 1990).

All these intrusions are similar in that they are late tectonic, emplaced into tonalite gneiss and commonly contain phases ranging from ultra-mafic peridotite and pyroxenitic cumulates to magnesium gabbro and iron-rich gabbro with hybrid marginal zones consisting of hornblende intruded by hornblende diorite and are thought to be contamination of the mafic magma by a granitoid component (Sutcliffe, 1986). Texturally, they are massive to varied with variable degrees of brecciation and hydrothermal alteration and most contain PGE mineralization.

The Quetico Fault, a large regional northeast trending fault that has been referred to as a zone of structural weakening, is a structure along which several mafic to ultra-mafic intrusions were emplaced (OGS, 1991).

1.6. Local Geology

The SLWP is believed to be underlain in part by mafic-ultramafic intrusive rocks of similar setting and composition as the Lac des Iles intrusion and other MUM intrusions situated north of the SLWP. The Bedrock Geology Map, west-central sheet shows the SLWP area to be underlain by mafic to intermediate metavolcanics, foliated tonalite and massive granodiorite to granite of Neo- to Mesoproterozoic age.

2. PROSPECTING AND LITHO-GEOCHEMICAL SAMPLING

The fieldwork including prospecting for outcrops and litho-geochemical sampling was carried out on June 13 and 18, 2018 and on September 23, 2018 (Figs. 3, 4) with a rationale to locate and sample the mafic-ultramafic outcrops and to test their PGE and/or gold contents. The outcrops were located in southern and central portions of the claim and a total of 20 chip and grab samples were collected. Their locations are shown in Fig. 3 and their descriptions, gold, platinum, palladium and other elements assays are presented in Appendix I.

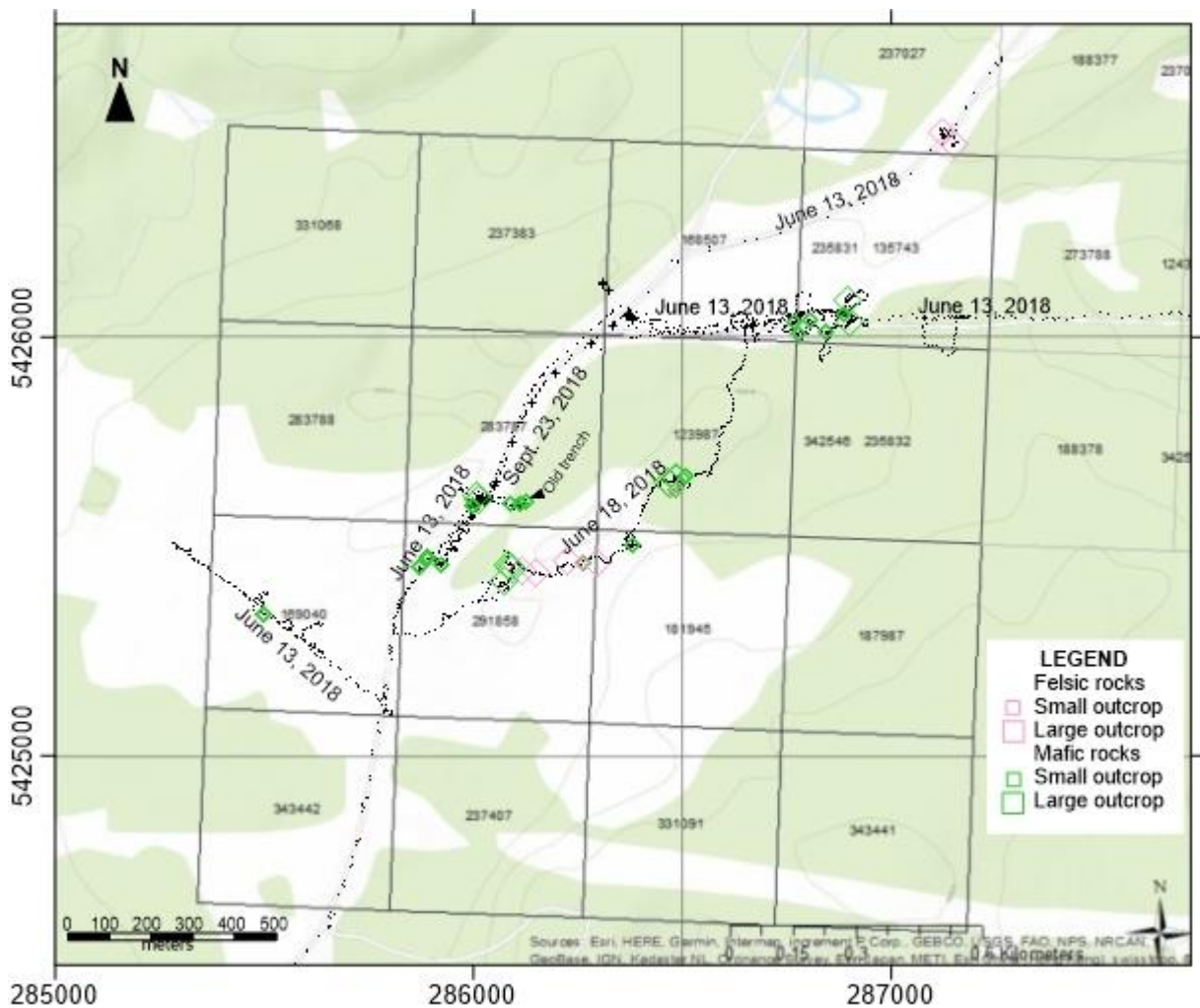


Fig. 3: Shelby Lake West prospect, traverses and outcrops.

2.1. Itinerary

June 13, 2018: Geologist B. B. Molak (BM) and claim holder W. J. Richmond (WR) traverse the cell claims 135743, 342546, 123987, 168507, 283787, and 169040 to locate and sample the outcrops (Figs. 3, 4). Northern portion of the claim 135743 is underlain by pink granitoids with K-feldspar, quartz. Southern portion is underlain more by mafic rocks including gabbro, amphibolite, more or less foliated. Nine chip and grab samples (5560579 – 5560587) were collected from outcrops (Appendix I).

June 18, 2018: BM and WR traverse the cell claims 123987, 168507, 169040, 181945 and 291858 to locate and sample the outcrops (Figs. 3, 4). All outcrops encountered are made up of mafic rocks including gabbros, mafic schist (with plagioclases), brown Fe – oxidic infiltrations after sulphides and locally tiny pyrite disseminations. Eight chip and grab samples (5560910 – 5560913, 5560606 - 5560609) were collected from outcrops (Appendix I).

September 23, 2018: BM, WR and field assistant David Siccia (DS) conduct outcrop mapping and sampling on the cell claim 283787 (Figs. 3, 4). An old trench was located and mafic boulders or sub-crops sampled. Three chip samples were collected from dark mafic aphanitic rock with disseminated sulphides (Appendix I).

2.2. Sampling Method and Analysis

The chip and/or grab samples were placed in standard polypropylene bags, provided with tags with sample numbers and closed with flagging tape. The sample locations were recorded using GPS (UTM NAD 83, zone 16). The samples were not modified after collection and the writers personally dispatched samples from the SLWP to Agat Laboratories (“Agat”) and/or to Activation Laboratories in Thunder Bay for preparation and analysis.

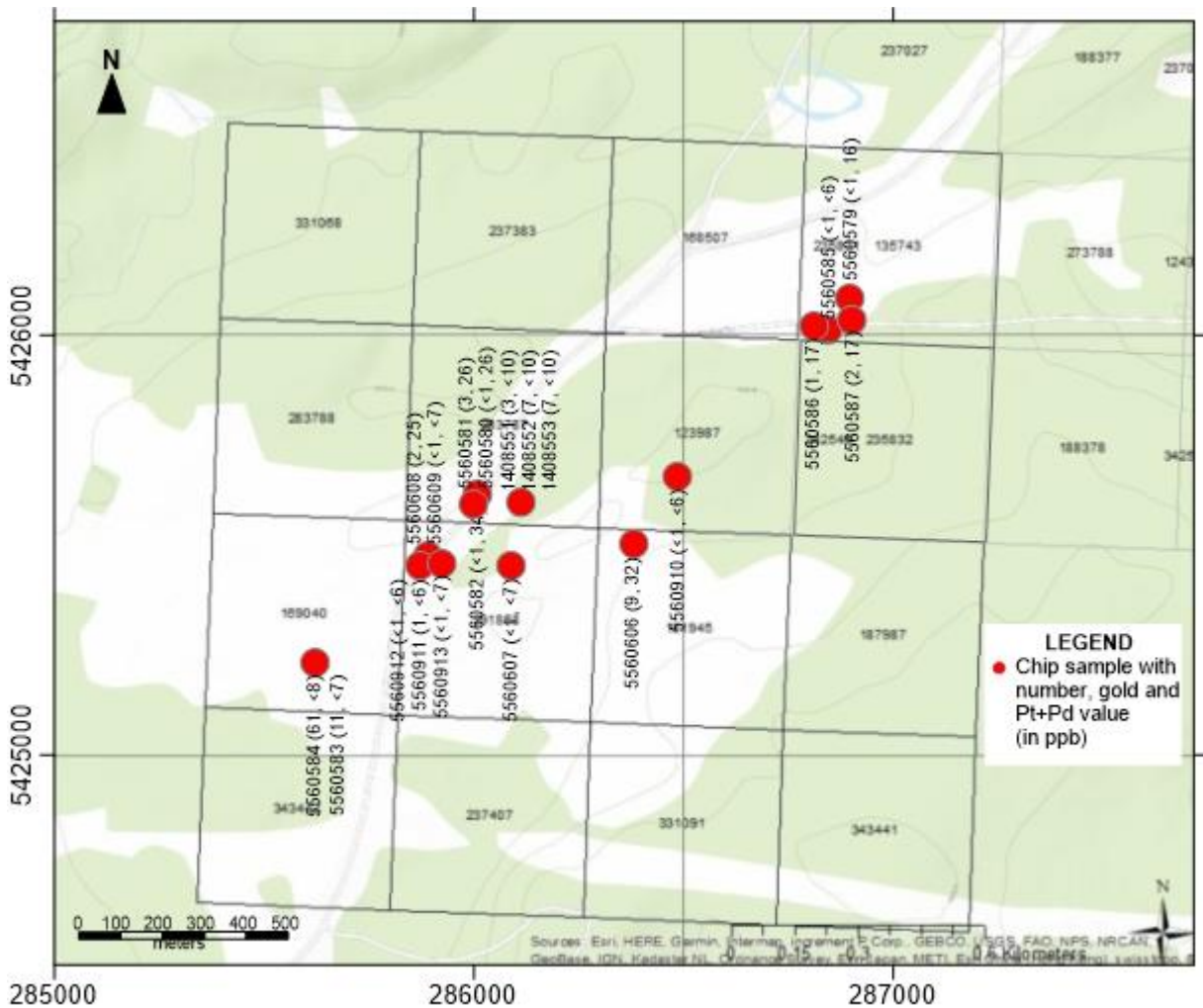


Fig. 4: Location of chip and/or grab samples.

analysis. The samples from Shelby Lake claim were assayed together with samples from the Buck Lake PGE.

Agat is ISO/IEC 17025:2005 accredited and certified to the ISO 9001:2008 standard. Activation is ISO 17025 accredited for specific registered tests, ISO 9001:2008 certified and CAN-P-1579 accredited. Both laboratories have a rigorous chain of custody protocol in place to ensure security of samples once they receive them. The sample preparation protocols involve drying, crushing, splitting, pulverizing and matting. If necessary, the samples are placed in a drying oven prior to preparation (approximately 50 ° C) until dry. The entire samples are then crushed to 70 % <2 mm. Approximately 500 gram sub-sample is riffle split and pulverized to 85 % < 75 µm. The bowls are cleaned with silica sand between each sample. Pulverized samples are matted to ensure homogeneity.

Platinum, palladium and gold determinations are conducted by fire assay (FA) and AAS or ICP finish. The basic procedure for fire assay involves mixing an aliquot of powdered sample (10g, 15g, 30g, or 50g) with sodium carbonate, sodium borate, litharge (PbO), baking flour, silica and potassium nitrate. To this mixture, Ag as a collector can be added in solution or as a foil. The well mixed material is fired at temperatures ranging from 1100° C to 1200° C. The lead button is cupeled at 950° C in a magnesia cupel. A tiny Ag bead which contains Au, Pt and Pd can be dissolved and analyzed by ICP. The assay for other elements starts with *Agua Regia* digestion and testing using and AAS or ICP finish (Agat codes 201-378 and 202-052; Activation codes 1C-OES FA ICP-OES and 1E3 AR ICP). Each furnace load has 24-26 samples and every 10th has a blank and QC standard.

In total, 20 chip and grab samples were submitted for analysis. More than a half of the assays returned gold and palladium above detection limit (“DL”) with the maximum 0.061 ppm gold and 0.018 ppm palladium. The graphs for gold, platinum and palladium are presented in Fig. 5.

Rare earth elements were assayed in 15 samples and the chondrite normalized graphs are shown in Fig. 6.

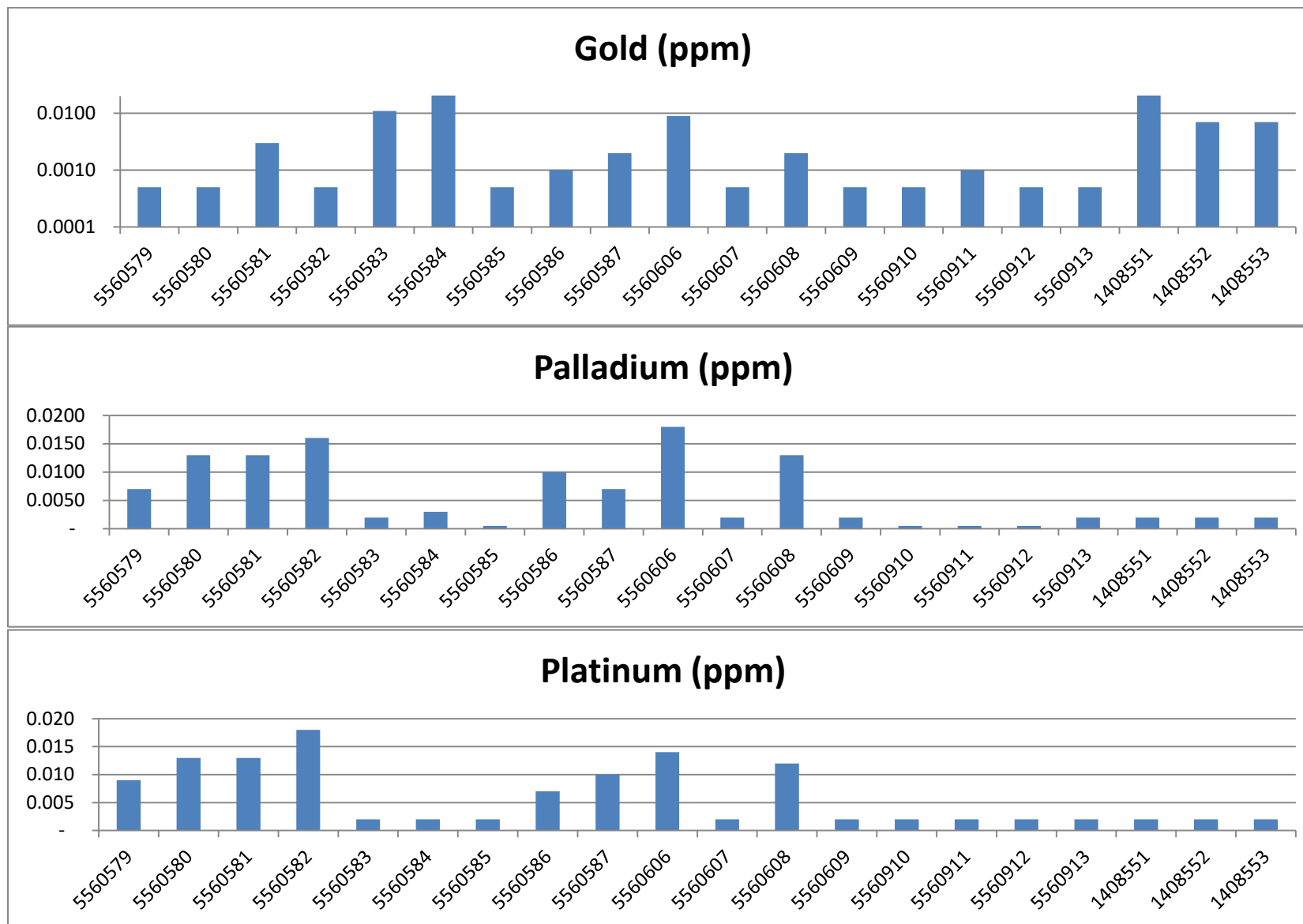


Fig. 5: Graphs for gold, palladium and platinum.

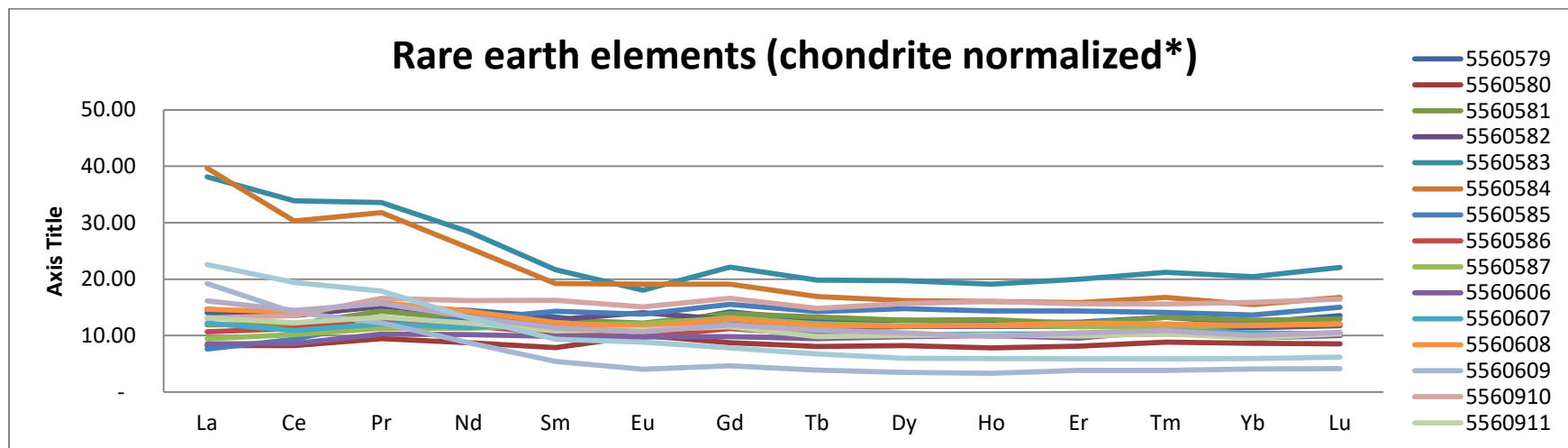


Fig. 6: Graph for rare earth elements (* Nakamura, 1974).

We have normalized 15 rare earth element assays (Fig. 6) according to Nakamura (1974). The rare earth elements correlate among themselves depending on their ionic radii, the smaller the difference the higher the correlation and vice versa. Of note are anomalous light rare earth elements (“LREE”), particularly in samples 5560583 and 5569584, which relate to crystallization of feldspars. The same applies to slightly negative europium anomaly in sample 5560584. Depletion of LREE in the mafic/ultramafic rocks probably relates to crystallization of pyroxene. Hornblende controls the enrichment of medium rare elements compared to LREE.

2.3. Quality Control

Agat's Quality Control included two replicates for samples 5560585 and 5560912. Gold, platinum and palladium in the former are below DL, and the blanks are all below DL. In the latter, the original was below DL, its replicate was 0.001, while platinum and palladium were both below DL. The reference material PG129 for gold, platinum and palladium are within lower and upper limits. The blanks for Au, Pt and Pd were all below DL. One field duplicate was collected to check the lab's performance. While the field original returned 0.001 ppm Au, the duplicate assayed below DL. Pt and Pd in the original and duplicate assayed below DL.

Activation's Quality Control included certified standard PK2 for gold, platinum and palladium and Oreas 904, Oreas 922, Oreas 923 and Oreas 621 for other elements. The graphs for measured vs certified values are shown in Figs. 7 and 8.

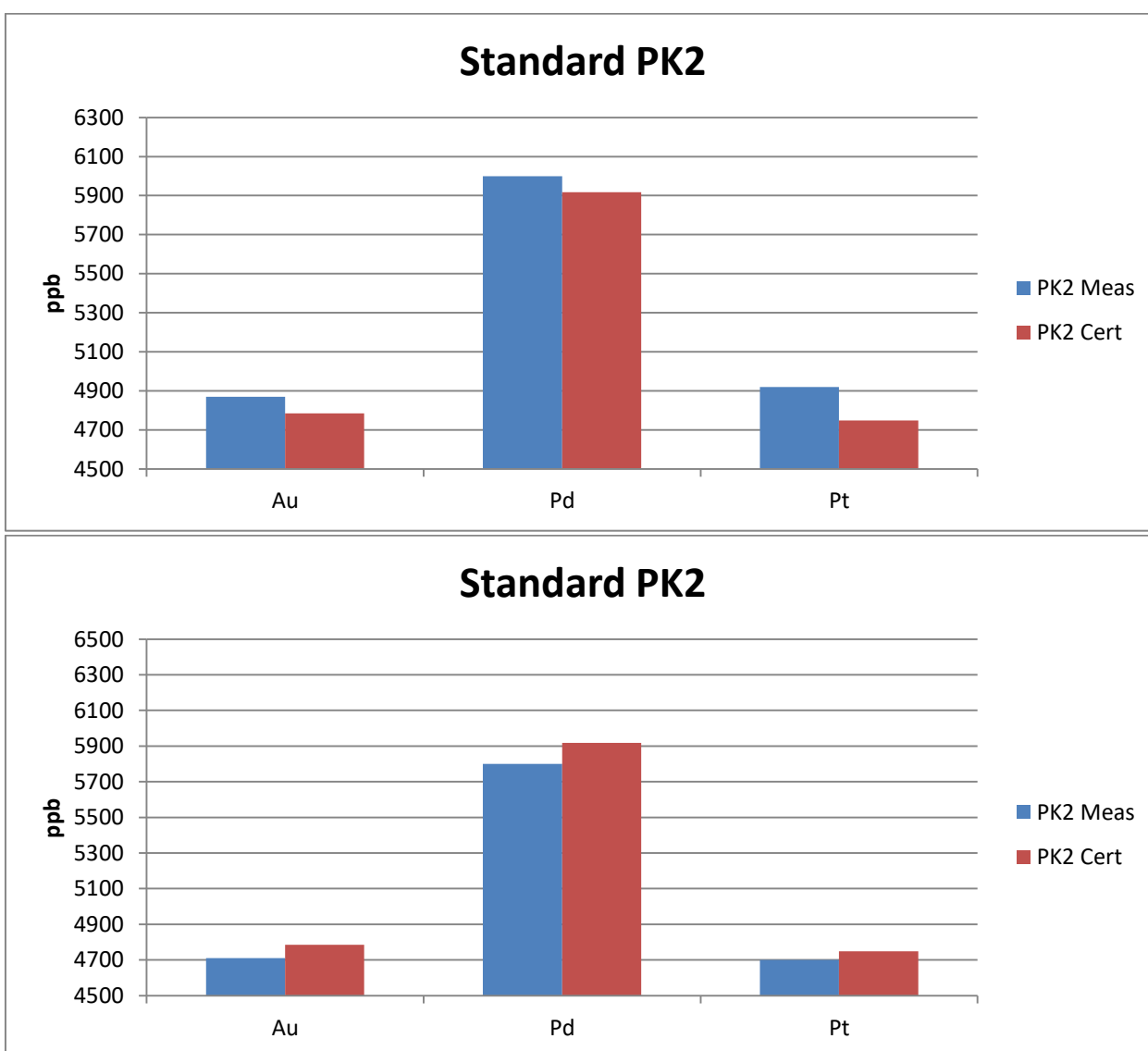


Fig. 7 a, b: Standard PK2 performance.

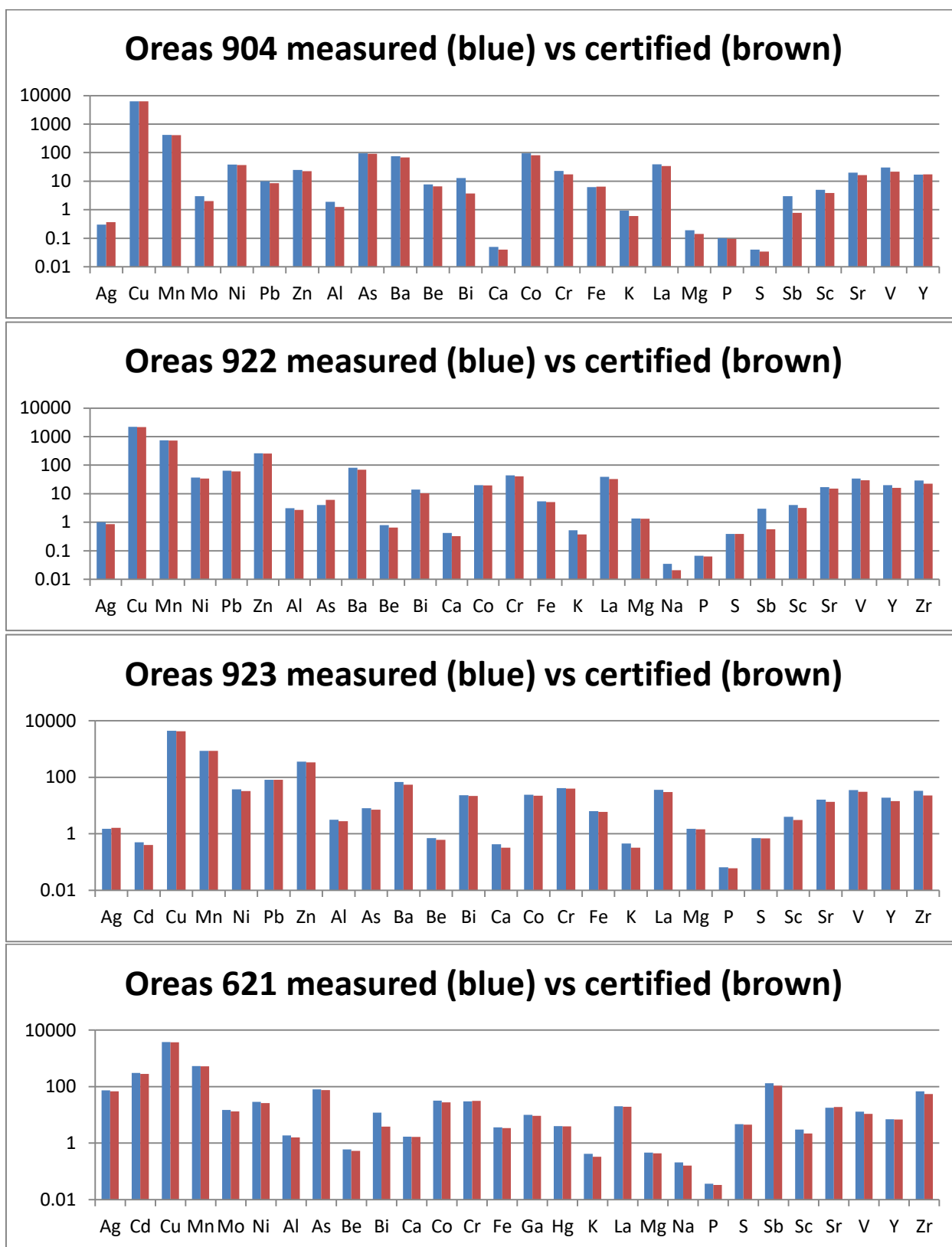


Fig. 8: Oreas 904, 922, 923 and 621 standard performance.

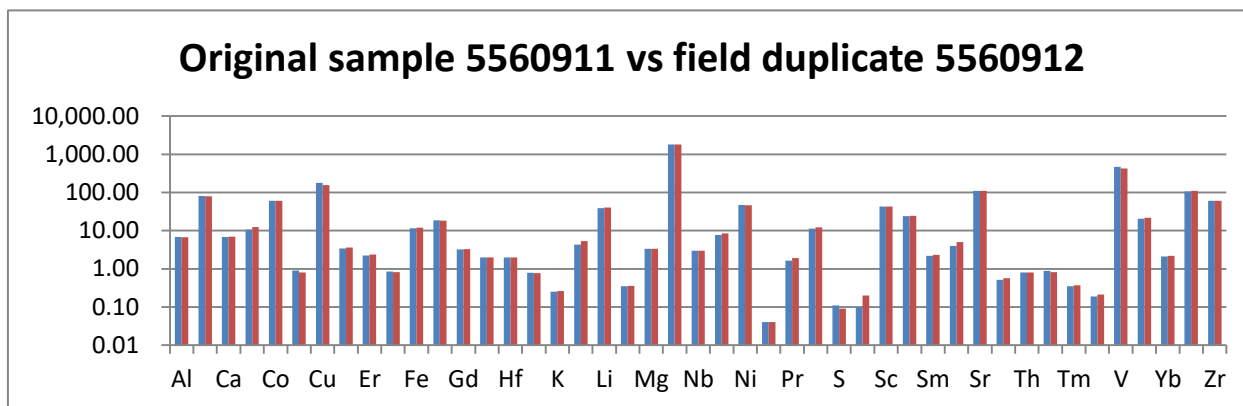


Fig. 9: Original vs field duplicate.

The Activation’s blanks for all elements except natrium run below detection limit.

In conclusion we can state that Agat’s and Activation’s QA returned values that are compatible for most repeats, standards and blanks and it appears that the accuracy and reproducibility of the 2018 assays is acceptable for this stage of the project.

3. CONCLUSIONS AND RECOMMENDATIONS

Empire’s 2018 fieldwork on the SLWP consisted of outcrop mapping and sampling in the central, southwestern and northeastern portions of the claim block. The claim area is underlain by mafic, intermediate and felsic igneous rocks.

More than a half of the assays returned values above DL, including 11 for gold, 13 for palladium and 8 for platinum. Gold ranges from 0.001 ppm to 0.061 ppm, palladium from 0.002 to 0.018 ppm and platinum from 0.007 to 0.018 ppm (Appendix I). Silver in all samples is below DL, copper ranges from 24 to 735 ppm and nickel from 22 to 102 ppm. One anomalous tungsten value of 698 ppm may indicate the presence of scheelite (CaWO₄). Further work on the SLWP is recommended including outcrop mapping, sampling and UV light illumination and based on the results, mechanical trenching of anomalous zones.

Proposed Budget:

Geologist (2 days @ \$600/day)	\$ 1,200.00
Prospector (2 days @ \$350/day)	\$ 700.00
Truck Rentals (2 days @ \$100.00/day)	\$ 200.00
Gas	\$ 50.00
Mob, demob	\$ 200.00
Accommodation, food	\$ 200.00
Assays (20 samples)	\$ 800.00
Compilation, digitizing and report	\$ 500.00
Total	\$ 3,850.00

4. 2018 EXPLORATION EXPENSES

IN ACCOUNT WITH

XYQUEST MINING CORP.

Suite 702 • 889 West Pender Street • Vancouver BC • V6C 3B2 • Tel. 604.683.3288

Empire Metals Corp.
702-889 West Pender Street
Vancouver, BC V6C 3B2

18-Apr-19
Account #2019-003
GST#896269297


RE: Shelby Lake Property Exploration 2018

	<u>Days</u>	<u>Fees per Day</u>	<u>Amount</u>
Senior Geologist, Dr. Bohumil B. Molak, PhD, PGeo			
June / Septmeber 2018 Field work	3.00	\$ 900.00	2,700.00
Mobilization and demobilization	1	\$ 900.00	900.00
Report Preparation	3	\$ 800.00	\$ 2,400.00
			<u>\$ 6,000.00</u>
Geological Assistant, David Siccia			
June / Septmeber 2018 Field work	1	\$ 350.00	\$ 350.00
Mobilization and demobilization	0.5	\$ 350.00	175.00
			<u>\$ 525.00</u>
Prospector, William Richmond			
June / Septmeber 2018 Field work	4	\$ 350.00	\$ 1,400.00
Mobilization and demobilization	1	\$ 350.00	350.00
			<u>\$ 1,750.00</u>
Geological Assistant, Luis Botto			
Research new system upgrades, data and map preparation and input for new system, communication with Ontario Mining Recorder regarding system upgade	3	\$ 350.00	1,050.00
			<u>\$ 1,050.00</u>
Expenses:			
Airfare			117.92
Accommodation			62.82
Food (Meals, Groceries, etc.)			146.26
Truck Rental (3 days @ \$100/day, 150km/day @ \$0.35/Km)			457.50
Assays (20 samples @ \$40/ sample)			800.00
Equipment rental (Satellite Phone - 4.5 days)			22.50
Equipment rental (Walkie-Talkie - 4.5 days @ \$7/day)			31.50
Expense Administration Fee and Office Charge			245.78
			<u>245.78</u>
Total Expenses			\$ 1,884.28
Digitization, Preliminary Exploration Report (at 10% of costs)			\$ 1,120.93
			<u>\$ 1,120.93</u>
Subtotal			\$ 12,330.21
GST 5%			\$ 616.51
			<u>\$ 616.51</u>
Total			<u>\$ 12,946.72</u>

This is our account herein

XYQUEST MINING CORP.

per:


ANTHONY J. BERUSCHI

• INTEREST OF 2% PER MONTH, COMPOUNDED MONTHLY,
OR 26.8% PER ANNUM CHARGED ON OVERDUE ACCOUNTS

5. REFERENCES

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Brugmann, G. E. and Naldrett, A. J., 1988: Ontario Geoscience Research Grant Program, Grant No. 267, Platinum-Group Element abundances in mafic and ultramafic rocks: Preliminary geochemical studies at the Lac des Iles Complex, District of Thunder Bay, Ontario; Ontario Geological Survey, Open File Report 5691, 43 p., 13 figures, and 4 tables.

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6. STATEMENT OF QUALIFICATIONS

I, Bohumil (Boris) Molak, Ph.D., P.Geo (BC) do hereby certify that:

I am a Professional Geoscientist residing at # 312, 9298 University Crescent, Burnaby, V5A 4X8, B. C., Canada.

I am a member of the Association of Professional Engineers and Geoscientists of British Columbia (License No. 28600) in good standing.

I graduated from the Comenius University, Bratislava, Czechoslovakia, with a Bachelor of Science (Prom. Geol.) in Economic Geology in 1970. The same university awarded me the title Master of Science in Economic Geology (RNDr.) in 1980 and the title Doctor of Philosophy (CSc.) in 1990. I have practiced my profession continuously since 1970.

Since 1970 I have been involved in the geological, prospecting, exploration and research projects on precious, base and ferrous metals, industrial minerals and hydrocarbons in Czechoslovakia, Bulgaria, Zambia, Cuba, Guinea, Canada, Chile and Argentina.

Since 2003 until present I am a self-employed consulting geologist.

I conducted the litho-geochemical sampling program on the Shelby Lake West Prospect in June and September, 2018.

I am responsible for all items except the Item 4 "IN ACCOUNT WITH", which was prepared by Xyquest Mining Corp. The sources of all information not based on personal examination are quoted in the references item. The information provided by other parties is to the best of my knowledge correct.

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

I am independent of Empire Metals Corp.

Dated at Vancouver, BC, Canada, this the 25th day of June, 2019.



7. STATEMENT OF QUALIFICATIONS

I, William J. Richmond do hereby certify that:

I am a Prospector residing at # 413 Lillian Street, Thunder Bay, ON, Canada.

I am a holder of Permanent Prospector's License.

From 1970 to 1991 I completed the courses as follows: Natural Resources Course at Hammarskjold High School, Thunder Bay, Grades 11-12, Geology, Mineralogy; baseline cutting; claim staking; geophysics; mineral prospecting.

From 1988 to 1998 I optioned the following properties: Smiley Lake Property (to John North of Newnorth Exploration, Toronto, ON); Clive Brooks (to Home Ventures, Vancouver, BC); East Dog River Property; Mirage Lake Property.

From 1992 to 1997 I conducted the OPAP programs on the Dog River, Shelby Lake, Mirage Lake and Buck Lake prospects.

I took part in the litho-geochemical sampling program on the Shelby Lake West Prospect in June and September, 2018.

Dated at Thunder Bay, ON, Canada, this the 25st day of June, 2018.

APPENDIX I

Sample Description with Gold, Palladium, Platinum and Other Element Assays

Easting	Northing	Samples	Description	Au	Pd	Pt	Cr	Cu	Fe	Mg	Ni	S	W	Zn
286897	5426089	5560579	LO, gabbroic rock with plg (20-40%), ± biotite	<0.001	0.007	0.009	<0.005	38	10.40	3.06	32	0.04	<1	101
286009	5425619	5560580	LO, banded mafic/felsic rock, tiny diss sulph, f-65/50SE	<0.001	0.013	0.013	0.01	205	6.63	2.34	65	0.61	1	70
285998	5425597	5560581	SO, banded, sheared greenstone/mafic rock, diss sulph	0.003	0.013	0.013	<0.005	59	10.00	2.92	32	0.04	<1	105
285998	5425597	5560582	SO, banded, sheared greenstone/mafic rock, diss sulph	<0.001	0.016	0.018	<0.005	75	6.81	3.35	30	0.09	2	60
285621	5425221	5560583	Boulder, dark grey mafic rock, with diss sulph 3-5%	0.011	0.002	<0.005	<0.005	257	16.10	2.16	54	0.69	2	143
285621	5425221	5560584	Boulder, mafic rock, with quartz lense, diss sulph	0.061	0.003	<0.005	0.02	149	12.00	1.89	56	0.44	44	132
286844	5426012	5560585	SO, fine gr mafic rock, rare brown Fe-oxide spots	<0.001	<0.001	<0.005	0.03	24	10.10	3.84	77	<0.01	<1	109
286810	5426024	5560586	SO, greenstone/mafic rock, ± biotite, rare diss sulph	0.001	0.010	0.007	<0.005	49	11.00	3.65	40	0.05	<1	104
286898	5426036	5560587	LO, fine gr foliated greenstone (amph, bio, plg) f-40	0.002	0.007	0.010	<0.005	38	9.22	3.28	40	0.02	<1	92
286379	5425501	5560606	Sub-crop, boulders, gabbro, greenstone, flsp, epidote, prt	0.009	0.018	0.014	0.02	229	9.10	4.59	100	1.31	698	82
286090	5425450	5560607	LO, greenstone, amph, plg, bi, qtz	<0.001	0.002	<0.005	0.01	146	8.30	3.80	42	0.08	6	144
285888	5425476	5560608	SO, greenstone, plg, epidote, sulphides	0.002	0.013	0.012	<0.005	146	9.25	2.62	57	0.10	2	89
285888	5425476	5560609	Float, angular greenstone boulder, richer in sulphides	<0.001	0.002	<0.005	0.01	735	15.10	2.44	95	6.20	2	98
286487	5425664	5560910	LO, foliated gabbroic rock, plagioclase, Fe-ox infiltr., prt	<0.001	<0.001	<0.005	0.01	38	12.40	2.73	51	0.03	<1	125
285872	5425449	5560911	SO, fine to med gr greenstone with flsp bands, rare prt	0.001	<0.001	<0.005	<0.005	177	11.60	3.34	47	0.11	<1	106
285872	5425449	5560912	Field duplicate of 5560911	<0.001	<0.001	<0.005	<0.005	157	11.90	3.34	46	0.09	<1	110
285924	5425458	5560913	Boulder, fine gr greenstone, diss sulph 1-2 mm, Fe-ox	<0.001	0.002	<0.005	0.01	79	5.38	0.85	63	0.61	<1	93
286111	5425601	1408551	Boulder, fine gr aphanitic rock locally rich in diss prt	0.030	<0.005	<0.005	0.031	115	5.55	0.66	35	2.28	28	69
286111	5425601	1408552	Boulder, fine gr aphanitic rock locally rich in diss prt	0.007	<0.005	<0.005	0.080	377	11.9	0.72	102	6.14	<10	136
286111	5425601	1408553	Boulder, fine gr aphanitic rock locally rich in diss prt	0.007	<0.005	<0.005	0.038	50	2.76	0.44	22	1.2	<10	165

Abbreviations: amph – amphibole; bi – biotite; diss – disseminated; Fe-ox – iron oxides; flsp – feldspar; gr – grained; infiltr – infiltrations; LO – large outcrop; plg - plagioclase; prt – pyrite; prht – pyrrhotite; qtz – quartz; SO – small outcrop; sulph - sulphide; Pt, Pd and Au in ppm, Cu, Ni, S, W, Zn in ppm, Cr, Fe, Mg in %.

APPENDIX II

Assay Certificates



Certificate of Analysis

AGAT WORK ORDER: 18B353265

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Molak B (Boris)

(200-) Sample Login Weight

DATE SAMPLED: Jun 20, 2018

DATE RECEIVED: Jun 20, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
5560560 (9347848)		1.088
5560561 (9347849)		1.088
5560562 (9347850)		1.088
5560563 (9347851)		1.088
5560564 (9347852)		1.216
5560565 (9347853)		1.506
5560566 (9347854)		1.088
5560567 (9347855)		0.806
5560568 (9347856)		1.088
5560569 (9347857)		1.088
5560570 (9347858)		1.102
5560571 (9347859)		1.088
5560572 (9347860)		1.088
5560573 (9347861)		1.088
5560574 (9347862)		1.088
5560575 (9347863)		1.088
5560576 (9347864)		1.088
5560577 (9347865)		1.088
5560578 (9347866)		1.102
5560579 (9347866)		1.448
5560580 (9347867)		1.144
5560581 (9347868)		1.18
5560582 (9347869)		1.462
5560583 (9347870)		2.1
5560584 (9347871)		1.082
5560585 (9347872)		1.116
5560586 (9347873)		1.096
5560587 (9347874)		1.982
5560588 (9347875)		1.102
5560589 (9347876)		1.088
5560590 (9347877)		1.488
5560591 (9347878)		1.468

Certified By: 



Certificate of Analysis

AGAT WORK ORDER: 18B353265

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Molak B (Boris)

(200-) Sample Login Weight

DATE SAMPLED: Jun 20, 2018

DATE RECEIVED: Jun 20, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
5560592 (9347876)		1.621
5560593 (9347880)		1.428
5560594 (9347881)		1.32
5560595 (9347882)		1.638
5560596 (9347883)		1.573
5560597 (9347884)		1.684
5560598 (9347885)		1.444
5560599 (9347886)		1.58
5560600 (9347887)		1.522
5560601 (9347888)		1.254
5560602 (9347889)		1.396
5560603 (9347890)		1.2
5560604 (9347891)		1.552
5560605 (9347892)		1.2
5560606 (9347893)		1.99
5560607 (9347894)		1.276
5560608 (9347895)		1.694
5560609 (9347896)		1.628
5560910 (9347897)		1.57
5560911 (9347898)		1.45
5560912 (9347899)		1.42
5560913 (9347900)		1.548

Comments: RDL - Reported Detection Limit

Certified By: _____



Certificate of Analysis

AGAT WORK ORDER: 18B353265

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Molak B (Boris)

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

DATE SAMPLED: Jun 20, 2018

DATE RECEIVED: Jun 20, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte: Unit: RDL:	Au ppm 0.001	Pd ppm 0.001	Pt ppm 0.005
5560560 (9347840)		0.011	0.001	0.001
5560561 (9347849)		0.001	0.004	<0.005
5560562 (9347850)		0.004	<0.001	<0.005
5560563 (9347851)		<0.001	<0.001	<0.005
5560564 (9347852)		<0.001	<0.001	<0.005
5560565 (9347853)		<0.001	0.003	<0.005
5560566 (9347854)		0.002	<0.001	<0.005
5560567 (9347855)		0.003	<0.001	<0.005
5560568 (9347856)		0.002	0.009	0.009
5560569 (9347857)		<0.001	<0.001	<0.005
5560570 (9347858)		<0.001	<0.001	<0.005
5560571 (9347859)		<0.001	<0.001	<0.005
5560573 (9347860)		<0.001	<0.001	<0.005
5560574 (9347861)		0.001	0.002	<0.005
5560575 (9347862)		0.002	<0.001	<0.005
5560576 (9347863)		0.002	<0.001	<0.005
5560577 (9347864)		<0.001	<0.001	<0.005
5560578 (9347865)		0.001	0.001	0.001
5560579 (9347866)		<0.001	0.007	0.009
5560580 (9347867)		<0.001	0.013	0.013
5560581 (9347868)		0.003	0.013	0.013
5560582 (9347869)		<0.001	0.016	0.018
5560583 (9347870)		0.011	0.002	<0.005
5560584 (9347871)		0.061	0.003	<0.005
5560585 (9347872)		<0.001	<0.001	<0.005
5560586 (9347873)		0.001	0.010	0.007
5560587 (9347874)		0.002	0.007	0.010
5560588 (9347875)		0.001	0.001	0.005
5560589 (9347876)		0.020	<0.001	<0.005
5560590 (9347877)		0.002	<0.001	<0.005
5560591 (9347878)		0.001	0.001	<0.005
5560592 (9347879)		0.001	0.001	0.001

Certified By: _____



Certificate of Analysis

AGAT WORK ORDER: 18B353265

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Molak B (Boris)

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

DATE SAMPLED: Jun 20, 2018

DATE RECEIVED: Jun 20, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppm	ppm	ppm
RDL:	0.001	0.001	0.005
5560588 (9347880)	0.001	0.001	<0.005
5560584 (9347881)	0.001	<0.001	<0.005
5560595 (9347882)	0.010	<0.001	<0.005
5560596 (9347883)	0.008	0.003	<0.005
5560597 (9347884)	<0.001	0.001	<0.005
5560598 (9347885)	0.003	0.003	<0.005
5560599 (9347886)	0.001	<0.001	<0.005
5560600 (9347887)	0.001	0.107	0.121
5560601 (9347888)	0.004	0.051	0.061
5560602 (9347889)	0.002	0.004	0.005
5560603 (9347890)	0.001	<0.001	<0.005
5560604 (9347891)	<0.001	0.002	0.005
5560605 (9347892)	0.005	0.007	0.010
5560606 (9347893)	0.009	0.018	0.014
5560607 (9347894)	<0.001	0.002	<0.005
5560608 (9347895)	0.002	0.013	0.012
5560609 (9347896)	<0.001	0.002	<0.005
5560910 (9347897)	<0.001	<0.001	<0.005
5560911 (9347898)	0.001	<0.001	<0.005
5560912 (9347899)	<0.001	<0.001	<0.005
5560913 (9347900)	<0.001	0.002	<0.005

Comments: RDL - Reported Detection Limit

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 18B353265

PROJECT:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Molak B (Boris)

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jun 20, 2018

DATE RECEIVED: Jun 20, 2018

DATE REPORTED: Jul 31, 2018

SAMPLE TYPE: Rock

	Analyte:	Pass %
	Unit:	%
Sample ID (AGAT ID)	RDL:	0.01
5560591 (9347878)		91.1

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Molak B (Boris)

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	9347848	0.0107	0.0136	23.9%	9347859	< 0.001	< 0.001	0.0%	9347872	< 0.001	< 0.001	0.0%	9347883	0.008	0.004	
Pd	9347848	< 0.001	< 0.001	0.0%	9347859	< 0.001	< 0.001	0.0%	9347872	< 0.001	< 0.001	0.0%	9347883	0.0025	0.0019	27.3%
Pt	9347848	< 0.005	< 0.005	0.0%	9347859	< 0.005	< 0.005	0.0%	9347872	< 0.005	< 0.005	0.0%	9347883	< 0.005	< 0.005	0.0%
	REPLICATE #5															
Parameter	Sample ID	Original	Replicate	RPD												
Au	9347899	< 0.001	0.001													
Pd	9347899	< 0.001	< 0.001	0.0%												
Pt	9347899	< 0.005	< 0.005	0.0%												

Results

Activation Laboratories Ltd.

Report: A18-14030

Analyte Symbol	Au	Pd	Pt	Ag	Cd	Cu	Mn	Mo	Ni	Pb	Zn	Al	As	B	Ba	Be	Bi	Ca	Co	Cr	Fe	Ga	Hg
Unit Symbol	ppb	ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm
Lower Limit	2	5	5	0.2	0.5	1	5	1	1	2	2	0.01	2	10	10	0.5	2	0.01	1	1	0.01	10	1
Method Code	FA-ICP	FA-ICP	FA-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1408551	30	< 5	< 5	< 0.2	< 0.5	115	1080	13	35	3	69	1.60	4	< 10	31	3.3	7	1.59	10	31	5.55	< 10	< 1
1408552	7	< 5	< 5	0.7	1.3	377	896	3	102	5	136	1.38	3	< 10	11	1.0	6	0.77	47	80	11.9	< 10	1
1408553	7	< 5	< 5	< 0.2	2.6	50	295	< 1	22	3	165	1.18	< 2	< 10	43	< 0.5	< 2	0.30	6	38	2.76	< 10	< 1
1408554	2	< 5	< 5	< 0.2	< 0.5	260	2070	< 1	80	< 2	120	2.95	< 2	< 10	92	< 0.5	< 2	2.65	22	150	0.10	< 10	< 1
1408555	< 2	< 5	< 5	< 0.2	< 0.5	114	1060	< 1	36	2	120	2.55	< 2	< 10	119	< 0.5	< 2	3.13	30	52	8.32	20	2
1408556	< 2	< 5	< 5	< 0.2	< 0.5	76	990	< 1	33	< 2	119	2.46	< 2	< 10	118	< 0.5	< 2	2.96	24	47	6.89	20	1
1408557	2	< 5	8	< 0.2	< 0.5	49	375	< 1	85	< 2	27	3.18	< 2	< 10	181	< 0.5	< 2	8.21	19	58	1.91	< 10	< 1
1408558	< 2	< 5	< 5	< 0.2	< 0.5	54	549	< 1	63	< 2	59	2.03	< 2	< 10	130	< 0.5	< 2	2.28	19	100	3.30	< 10	< 1
1408560	< 2	< 5	< 5	< 0.2	< 0.5	24	237	< 1	7	< 2	62	1.65	< 2	< 10	329	< 0.5	< 2	0.78	10	14	3.64	< 10	< 1
1408561	< 2	< 5	< 5	< 0.2	< 0.5	75	602	< 1	74	< 2	44	2.02	< 2	< 10	236	0.5	< 2	3.35	34	200	3.72	< 10	< 1
1408562	3	< 5	6	< 0.2	< 0.5	123	809	< 1	79	< 2	57	2.10	< 2	< 10	168	2.1	< 2	4.20	34	168	5.08	< 10	< 1
5560860	3	< 5	6	< 0.2	< 0.5	18	328	< 1	105	< 2	29	1.70	< 2	< 10	56	< 0.5	< 2	1.87	45	126	2.58	< 10	< 1
5560861	< 2	40	28	< 0.2	< 0.5	280	279	< 1	108	3	23	1.51	< 2	< 10	59	< 0.5	< 2	2.03	17	543	1.72	< 10	< 1
5560862	3	116	139	< 0.2	< 0.5	27	423	< 1	202	< 2	31	2.09	< 2	< 10	35	< 0.5	< 2	3.00	32	938	3.04	< 10	< 1
5560863	19	111	84	< 0.2	< 0.5	96	371	< 1	184	< 2	27	1.48	< 2	< 10	80	< 0.5	< 2	1.78	43	572	2.84	< 10	< 1
5560864	15	27	15	< 0.2	< 0.5	805	349	< 1	124	< 2	24	1.33	< 2	< 10	106	< 0.5	2	2.86	17	342	1.87	< 10	< 1
5560865	4	< 5	< 5	< 0.2	< 0.5	595	324	< 1	170	< 2	24	1.20	< 2	< 10	122	< 0.5	< 2	2.54	27	218	2.26	< 10	< 1

Results

Activation Laboratories Ltd.

Report: A18-14030

Analyte Symbol	K	La	Mg	Na	P	S	Sb	Sc	Sr	Ti	Th	Te	Tl	U	V	W	Y	Zr
Unit Symbol	%	ppm	%	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	10	0.01	0.001	0.001	0.01	2	1	1	0.01	20	1	2	10	1	10	1	1
Method Code	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP	AR-ICP
1408551	0.23	12	0.66	0.103	0.017	2.28	< 2	2	33	0.12	< 20	< 1	< 2	< 10	22	28	4	16
1408552	0.08	< 10	0.72	0.040	0.020	6.14	5	3	33	0.14	< 20	1	< 2	< 10	29	< 10	4	13
1408553	0.39	< 10	0.44	0.214	0.019	1.20	< 2	2	22	0.10	< 20	< 1	< 2	< 10	18	< 10	2	29
1408554	0.54	< 10	1.90	0.454	0.022	0.65	< 2	21	9	0.24	< 20	< 1	< 2	< 10	160	< 10	11	7
1408555	0.57	51	2.36	0.348	0.198	0.54	2	40	22	0.32	< 20	3	< 2	< 10	140	< 10	18	13
1408556	0.35	82	2.22	0.336	0.218	0.17	< 2	36	26	0.28	< 20	2	< 2	< 10	129	< 10	44	5
1408557	0.28	29	1.89	0.303	0.139	0.03	< 2	9	301	0.12	< 20	< 1	< 2	< 10	46	< 10	4	7
1408558	0.47	22	2.06	0.281	0.097	0.05	< 2	9	44	0.19	< 20	< 1	< 2	< 10	56	< 10	9	13
1408560	0.80	14	0.69	0.256	0.091	0.15	< 2	4	31	0.30	< 20	2	< 2	< 10	70	< 10	6	4
1408561	0.63	43	2.29	0.283	0.213	0.31	< 2	15	269	0.28	< 20	1	2	< 10	99	< 10	10	5
1408562	0.56	39	2.73	0.465	0.222	0.21	< 2	14	186	0.26	< 20	< 1	< 2	< 10	125	< 10	12	5
5560860	0.16	25	2.23	0.131	0.103	0.27	< 2	9	51	0.26	< 20	< 1	< 2	< 10	73	< 10	8	9
5560861	0.22	14	2.04	0.126	0.089	0.10	3	7	49	0.09	< 20	1	< 2	< 10	41	< 10	4	6
5560862	0.02	11	2.18	0.045	0.036	0.43	5	8	54	0.07	< 20	3	< 2	< 10	54	< 10	3	6
5560863	0.05	11	2.74	0.081	0.035	0.52	2	8	30	0.10	< 20	1	< 2	< 10	50	< 10	3	8
5560864	0.15	12	2.14	0.121	0.042	0.10	4	9	54	0.11	< 20	2	< 2	< 10	44	< 10	4	8
5560865	0.17	< 10	2.52	0.149	0.040	0.11	4	10	45	0.10	< 20	2	< 2	< 10	44	< 10	2	9