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2019 GEOLOGY AND TRENCHING PROGRAM - CRYDERMAN PROPERTY - SHINING TREE, ONTARIO

MacMurchy Township

Larder Lake Mining Division

NTS 41P11

Prepared For

Transition Metals Corp.

December 8, 2020

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INTRODUCTION

The Cryderman Property is comprised of six contiguous mining leases located approximately 7 km northeast of Shining Tree, Ontario (Figure 1). Following the property acquisition from Precambrian Equipment Limited in the spring of 2019, Transition Metals Corp initiated a field programme of prospecting and trenching with a focus on the historical Queen Elizabeth vein located on the eastern margin of the property. The trenching and prospecting was conducted over the period between September 15th, 2019 and September 29th, 2019, by Transition Metals staff and contractors supplied by Canadian Exploration Services (CXS), with the goal of confirming and assessing the extent of mineralization through the stripping and mapping of 1,080 m^2 of bedrock, and the collection and analysis of 224 grab and channel samples.

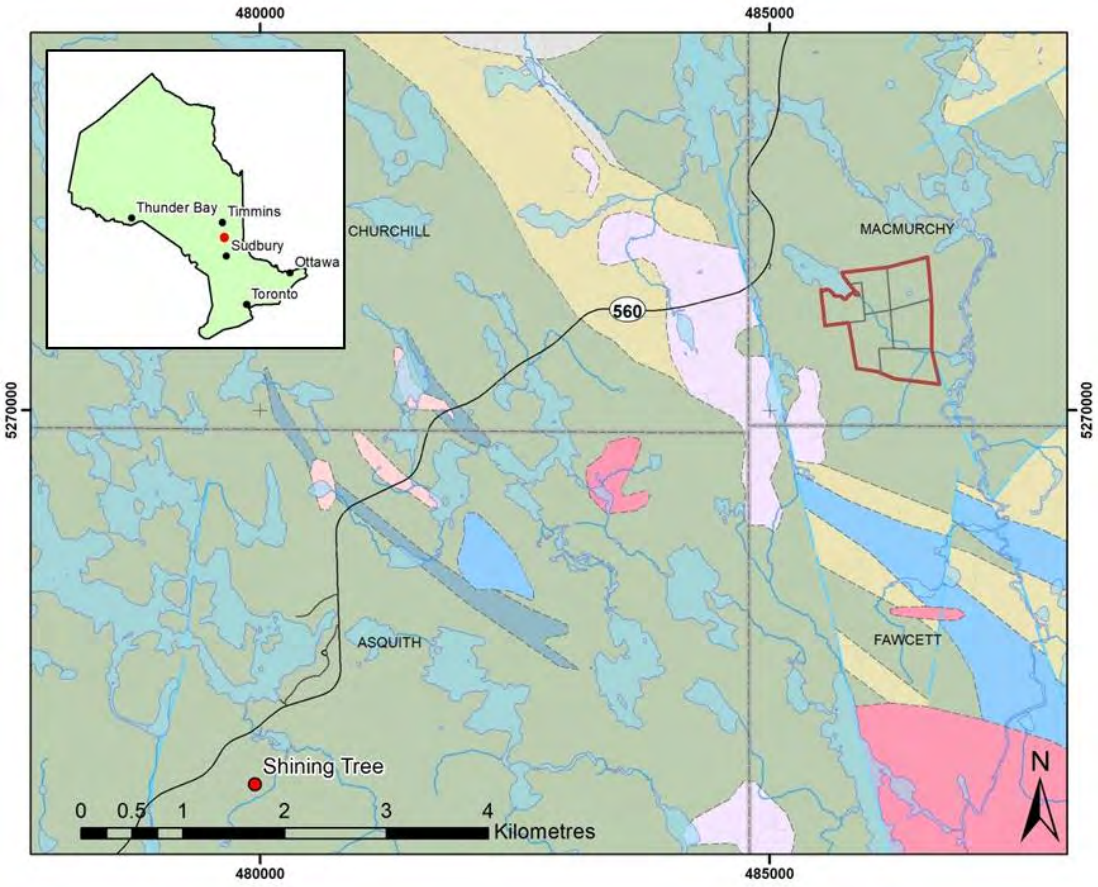

Figure 1; Cryderman property location and local geology.

PROPERTY DESCRIPTION, LOCATION, and ACCESS

On April 18th, 2019 Transition Metals Corp entered into an option agreement with Precambrian Equipment Limited to acquire a 100% interest in the Cryderman property by issuing $60,000 in cash and $110,000 in shares to the vendor, and completing $300,000 I work over a 3 year period. The property is composed of 6 contiguous leases that total approximately 106 hectares of territory (Table 1, Figure 2).

Table 1; Cryderman property lease description and details.

TENURE	TYPE	STATUS	DUE DATE	AREA (ha)	OLD CLAIM #	PARCEL	PIN
LEA-19859	Lease	Mining and Surface Rights	30/11/2025	16.39	TRS3764	1717 SEC LSWS	73185-0016
LEA-19858	Lease	Mining and Surface Rights	30/11/2025	16.11	TRS3518, TRS7999	1761 SEC LSWS	73185-0015
LEA-19861	Lease	Mining and Surface Rights	30/11/2025	18.45	TRS4001, TRS8049	1719 SEC LSWS	73185-0018
LEA-19860	Lease	Mining and Surface Rights	30/11/2025	18.45	TRS2753, TRS4040, TRS8019	1718 SEC LSWS	73185-0017
LEA-20052	Lease	Mining and Surface Rights	31/03/2027	20.89	TRS8171, WD1405	1720 SEC LSWS	73185-0019
LEA-19819	Lease	Mining and Surface Rights	31/12/2024	15.82	TRS4120	1709 SEC LAWS	73185-0013

The Cryderman property is located in the southwest corner of MacMurchy Township in northeastern Ontario, approximately 7 km northeast of the settlement of Shining Tree, and 32 km west-southwest of the settlement of Gowganda, in the Larder Lake mining division. The property is located about 1 km east of Highway 560, with the geographic centroid of the property located at approximately 486160 mE 5270900 mN UTM Zone 17N (NAD83). The property can be accessed by four wheel drive vehicle for much of the year via old logging roads and trails off of Highway 560, or by snowmobile in the winter season.

Trenching on the property was conducted under work permit PR-19-000115 that was issued on July 24th, 2019 and valid until July 24th, 2022. No Drilling was completed on the property during 2019.

HISTORICAL WORK

The Cryderman property and its most explored occurrence has been known as the Queen Elizabeth, Cryderman, Cooper-Manwell-Moore, Cryderman-Manwell-Moore, and Featherstone. It would appear that the leases were all part of the Queen Elizabeth property which was divided into a number of separate land holdings. Further confusions resulted as the shaft is approximately on the claim line between the Cryderman and Featherstone leases, although the trench extends southwest through the edge of the Cryderman lease. The dump material from the shaft is located to the east on the Featherstone lease which is now a mining claim forming part of the Ashley Gold – Skead Holdings property. Due to the nature of the property, being comprised of leases, much of the historical work was not reported or appropriately recorded leaving a very obscure history.

1913: R.B. Stewart completed an examination of the West Shining Tree gold area, which included the Cryderman Property, for the Ontario Department of Mines (Annual Report 22 part 1)

1917: shaft to a depth of 40 ft (12 m). A series of overburden trenches in the area of the shaft may have been created at this time.

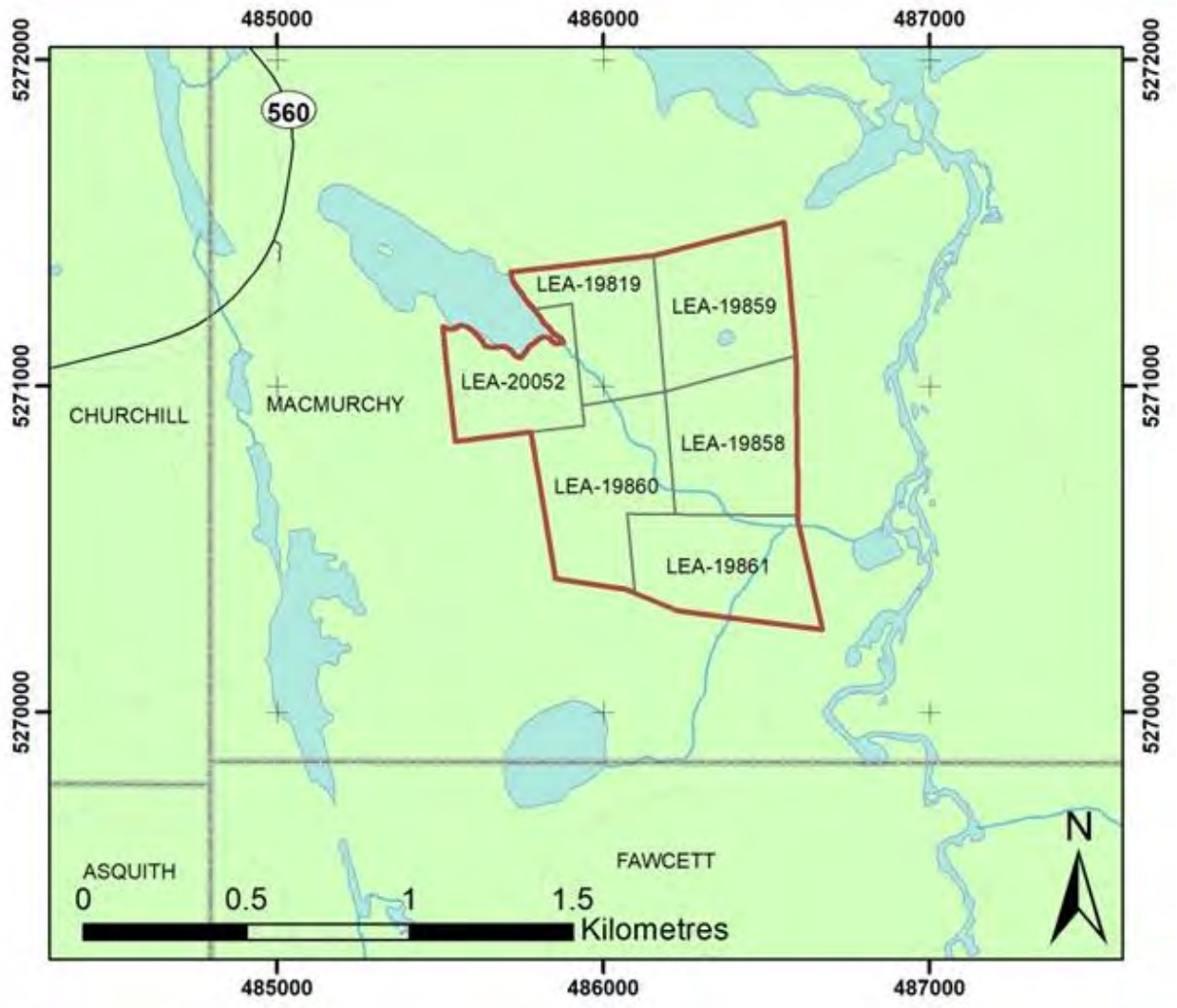

Figure 2; Cryderman property lease distribution and property geometry.

1920: P.E. Hopkins completed an examination and mapping of the area for the Department of Mines (Annual Report 29, Part 3).

1926: F.L Finley conducted an examination of the character of the gold occurrences in the area for the Department of Mines (Annual Report 35).

1928: G.B. Langford conducted an examination of the geology and gold occurrences in the area for the Department of Mines (Annual Report 36).

1935: H.C. Laird completed an examination of a number of properties adjacent to the north side of the Cryderman Property for the Department of Mines (Annual Report 44)

1943: Conwest Exploration Company Ltd channel-sampled with the best assay being 3.19 oz Au/ton over 25 cm (10 in.)

1977: MacMurchy and Tyrell townships were mapped by M.W. Carter at a 1:31 680 scale for the Department of Mines (Report 152 and Map M2365).

1987: the previous mapping in Macmurchy Township was included in a compilation of the geology in the Shining Tree area (Carter, 1987; Ontario Geological Survey Report 240; Map M2510).

1999: MacMurchy Township was one of four townships mapped for the Ontario Geological Survey (Johns, 1999; Map P3389)

2003: MacMurchy Township was included in the compilation of the geology of the Shining Tree area for the Ontario Geological Survey (Johns, 2003; Map P3521).

2003: MacMurchy Township was included in a compilation of the Matachewan – Shining Tree area for the Ontario Geological Survey (Ayer et al. 2003; Map P3527).

2013: the Shining Tree gold area and MacMurchy Township were included in the study of Archean Gold for the Ontario Geological Survey (Ayer at al. 2013; MRD 294)

REGIONAL GEOLOGY

The following description of the Abitibi greenstone belt is from Ayer et al. (2002, 2005) and Thurston et al. (2008) and on the references found in those papers. The Abitibi greenstone belt is composed of east-trending synclines of mainly volcanic rocks and intervening domes cored by synvolcanic and/or syntectonic plutonic rocks (gabbro-diorite, tonalite, and granite) alternating with east-trending bands of turbiditic wackes (Figure 3). Most of the volcanic and sedimentary rock dip vertically and are generally separated by east-trending faults with variable dips. Some of these faults, such as the Porcupine-Destor fault, display evidence for overprinting deformation events including early thrusting, later strike-slip and extension events. There are two ages of unconformable successor basins, early, widely distributed "Porcupine-style" basins of fine-grained clastic rocks, followed by later "Timiskaming-style" basins of coarser clastic and minor volcanic rocks which are largely proximal to major strike-slip faults (e.g. Porcupine-Destor, Larder-Cadillac). Numerous late-tectonic plutons from syenite and gabbro to granite with lesser dikes of lamprophyre and carbonatite cut the belt.

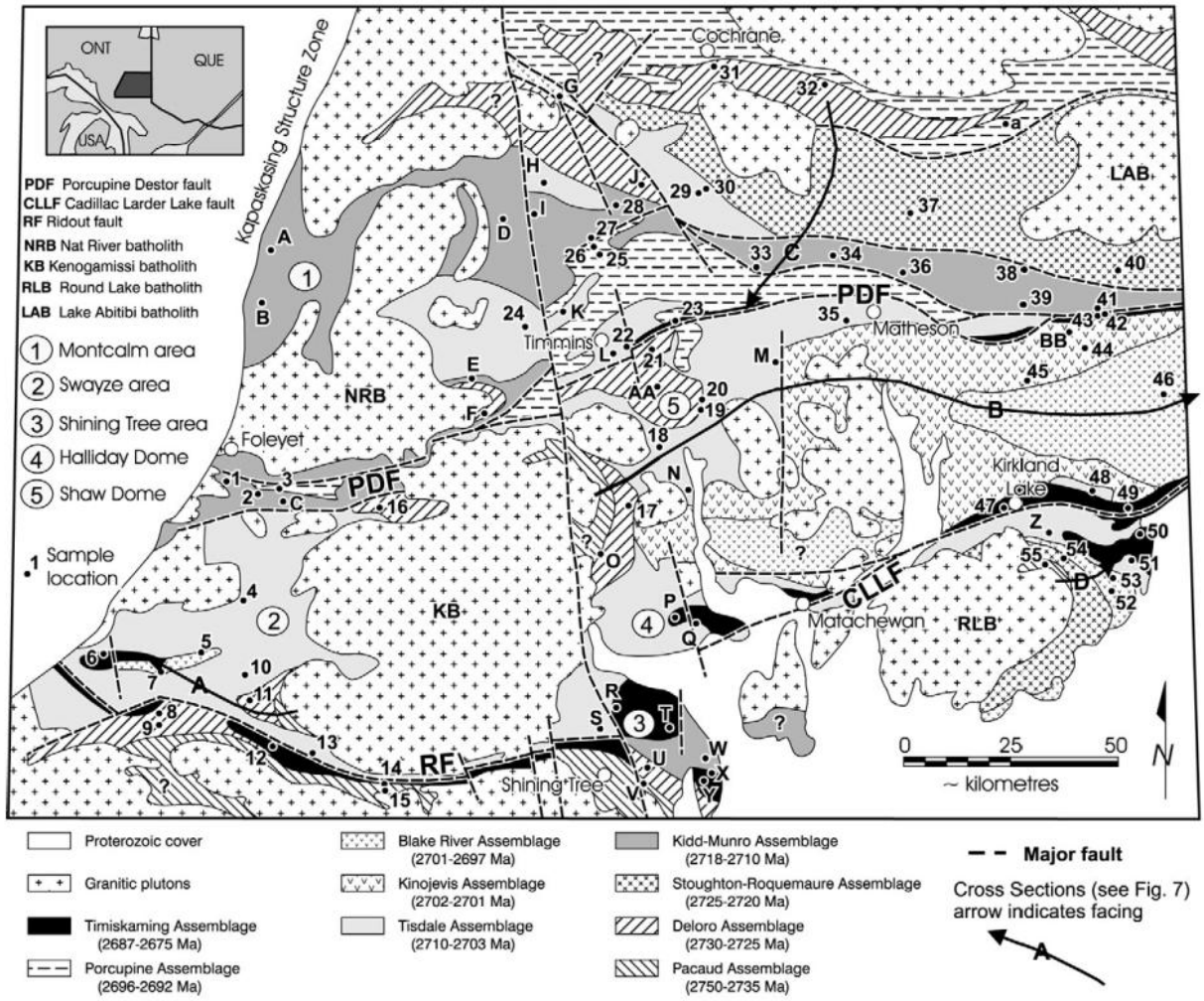

Figure 3; Regional geology of the southern Abitibi greenstone belt (Ayer et al. 2002)

The following description of the geology is from Ayer et al. (2013). The Shining Tree area is located in the southernmost parts of the Abitibi greenstone belt and on the northern margin of the Cobalt Embayment. Volcanic rocks of the northeast-facing Pacaud assemblage (2760 to 2735 Ma) are overlain by volcanic rocks of the Deloro assemblage (2734 to 2724 Ma) and capped by regional iron formations. A 2726 Ma felsic tuff is located in Macmurchy Township. The Deloro is in turn overlain to the northeast by the volcanic rocks of the Kidd–Munro assemblage (2720 to 2710 Ma). A regional syncline has resulted in repetition of Kidd–Munro southwest-facing volcanic rocks in Knight Township. The Tisdale assemblage (2710 to 2704 Ma) is constrained to north and west of the Natal Group in Cabot and Kelvin townships. Geochronology from the unconformably overlying Natal and Indian Lake groups indicate they are part of the Porcupine assemblage (2690 to 2680 Ma), rather than the previously interpreted Timiskaming assemblage (2676 to 2670 Ma). This interpretation is based on 2687 Ma age determinations of felsic volcanic rocks and intercalated <2680 Ma conglomeratic sandstones in different parts of the belt. The older units are intruded by younger intermediate to felsic stocks including the 2687.8 Ma diorite of the Millie Creek stock, 2673-2695 Ma rhyolitic sill at Four Bay Lake, and 2686.1 Ma granodiorite dyke at the

Minto deposit. These ages indicate the late monzodioritic intrusions are synvolcanic with the Porcupine assemblage volcanic rocks.

A number of mafic dykes swarms cut the rocks of the Abitibi greenstone belt (Osmani, 1991). The 2452 Ma Matachewan dykes are north-trending, vertical to sub-vertical and composed of quartz diabase and commonly contain plagioclase phenocrysts up to 20 cm in length.

The Archean rocks are unconformably overlain by Paleoproterozoic rocks of the Huronian Supergroup and intruded by gabbroic rocks of the Nipissing Intrusives. The Huronian Supergroup was deposited in a north-trending graben referred to as the Cobalt Embayment in the area overlying the Abitibi greenstone belt. Four formations, the Gowganda, Lorrain, Gordon Lake, and Bar River, were deposited in the Embayment and form the upper most sedimentary cycle of the Huronian Supergroup collectively referred to as the Cobalt Group (Bennett et al. 1991).

The Nipissing Intrusive sills intrude all older rocks forming sills, and undulating sheets up to a few hundred metres thick (Bennett et al. 1991). The 2219 Ma Nipissing gabbro may have originated from a radiating dike swarm related to the 2217-2210 Ma Ungava magmatic event located under the Labrador Trough fed via the 2216 Ma Senneterre dykes which form part of the radiating dike swarm (Ernst 2007). Locally, emplacement of the Nipissing appears to have been controlled by pre-existing structures in the Huronian and Archean basement rocks.

STRUCTURE

There is no comprehensive discussion and interpretation of the structural history for the Shining Tree area and the following is from the preliminary work by Johns and Amelin (1998).

In Fawcett and Macmurchy townships the Archean volcanic rocks strike to the north-northwest in the south changing to westerly strike in northern Macmurchy Township. Except for minor top reversals, the sequence youngs to the northeast and north. In Leonard, Tyrrell and Knight townships, to the east, the volcanic rocks strike north-northwest changing to a northerly strike in Knight Township. The sequence youngs to the northeast towards a north northwest-trending syncline axis in northern Tyrrell Township.

The Porcupine sediments and volcanics have variable strikes and facing directions and there is insufficient data to identify the cause of the folded aeromagnetic pattern. It is possible that this pattern reflects the geology of the underlying older units. In the southeast part of Natal Township, the Porcupine rocks strike easterly, abutting against the Archean volcanic rocks and, for the most part, young to the north.

The entire map area has been disrupted by northwest and northeast-trending faults, thus making the interpretation of stratigraphic relations difficult. This has also been noted on a property scale in northern Tyrrell Township. Deformation is restricted to these fault zones and the individual blocks exhibit little evidence of internal deformation. The Hydro Creek Fault or inferred splays from it in Tyrrell and Natal townships are related to gold mineralization and intense alteration. In some locations there appears to be intense carbonatization, but little ductile deformation is evident. Ductile deformation appears to be more intense on the splay faults. Intense east-northeast-directed shearing and foliation,

along with strong carbonatization, affects the rocks in southwest Macmurchy Township north of Gay Lake.

The following is a working interpretation of the structural history of the area based on work in the Shining Tree and Kirkland Lake areas. Ages of intrusions are from Beakhouse (2011).

D_1 Synvolcanic Intrusions (2691 - 2685Ma)

The first deformation event (D_1) was that of initial accretion of the oceanic and arc-related assemblages which was accomplished by southward-migrating, north-dipping subduction (Wilkinson et al., 1999). This deformation event is largely shown within the property area as synclines within the Pacaud, Deloro, Kidd-Munro and Tisdale Assemblages. These initial D_1 structures are reported to be instrumental in the structural architecture of the belt and possibly served as planes of weakness to be re-activated during the D_2 event (Wilkinson et al., 1999). On the volcanic belt scale these synclines (and anticlines) largely trend east-west; however in the property area they appear as if they are deflected from the general east-west trend around the northeast margin of the synvolcanic Neoarchean Ramsey-Algoma Complex into a northwest-southeast orientation. The Ramsey-Algoma Complex is comprised of syntectonic to post-tectonic units.

D_2 Early- to Syntectonic Intrusions (2691 - 2676Ma)

The primary structure associated with gold mineralization within the southern Abitibi and property area is the typically east-west trending reverse dextral Larder Lake Cadillac Fault Zone (D_2) (Ispolatov et al., 2008). The structure is obscured to the west by the Kapuskasing Structural Zone and constrained to the east by the Grenville Front. The Larder Lake Cadillac Fault Zone is inferred to project southwest under Huronian cover to the Shining Tree area and is locally referred to as the Rideout Fault.

The Rideout fault in the property area is obscured by Paleoproterozoic Huronian cover to the east and is offset by several north-south to northwest-southeast, and northeast-southwest trending structures that have an apparent southwest stepping pattern in Tyrrell, Knight, Natal, and MacMurchy Townships; further to the west in Churchill and Connaught Townships, the structure returns to a more linear feature trending east-west sandwiched between the Ramsey-Algoma (south) and Kenogamissi (north) Batholiths.

The Ribble and Foisey veins, located to the west of the property appear to share a similar orientation and general geometry to that of the Queen Elizabeth vein; this orientation infers an initial north-south shortening axis.

D_3 Syntectonic Intrusions (2686 – 2676Ma)

The D_3 event is regarded as a shift in the shortening axis from a generally north-south orientation to an east-west orientation (Ispolatov et al., 2008), or a northwest-southeast orientation (Wilkinson et al., 1999). This shift in the Larder Lake area is represented by the generation of north trending cleavage, but varies locally based on the orientation of the S_2 fabric (Wilkinson et al., 1999). A number of northwest-trending auriferous veins are located on the Caswell and Bilmac occurrences located to the north of the Cryderman property.

D_4 Late-Tectonic Intrusions (2679 - 2672Ma)

The D_4 event is again a shift in shortening direction; the D_4 event is related to a northwest-southeast shortening and characterized by the development of Z-folding (Ispolatov et al., 2008). The D4 event corresponds to many of the structures hosting gold mineralization in the Kirkland Lake camp, the structural event is accompanied by late-tectonic intrusions, variably plutons, dykes, and stocks, which are known to host mineralization elsewhere in the region (Hislop and Young-Davidson).

D_5 Matachewan Dykes to Trans-Hudson Orogen (2452 – 1800Ma)

In the Cryderman property area there are two seemingly influential structures. These structures are roughly oriented north-south to north-northwest-south-southeast and are known locally as the Michiwakenda fault and the Jess Lake fault (Carter, 1977). These faults can be traced and related to the regional Onaping Fault system which begins just east of Sudbury Ontario at its southern extent as the Upper Wanapitei River fault, transitioning to the Matagami River fault, and finally after crossing the Kapuskasing structural zone re-emerging as the Big Cedar Creek fault at its northern extremity (Buchan & Ernst, 1994).

D_5 early: Matachewan Dyke Swarm and Onaping Graben Emplacement

The Onaping Fault system runs roughly north-south, largely parallels the orientation of the Matachewan Dyke swarm, and also seemingly has a similar locus to the dyke swarm's origin. Carter (1977) proposed that within the MacMurchy and Tyrrell Township areas the Michiwakenda and Jess Lake faults form the bounding normal faults to a graben structure; the Michiwakenda fault being east-side down, and the Jess Lake fault being west-side down. It is being proposed that the Onaping fault system could have been an early failed rift arm associated to the Matachewan large igneous province. A divergence allows for the emplacement of the dykes in a very linear manner and the formation of fault blocks or long linear trough like depressions. Huronian epicratonic sedimentation would have been initiated as a response to the cratonic opening of the eastern margin of Superia via the Mistassini event dated 2510Ma (Ernst & Bleeker, 2010).

D_5 late: Onaping Deformation

Following the initial development of the two structures there is evidence provided from crosscutting relationships with intrusions, and notably the Biscotasing Dykes, that there was up to 8 kilometres of sinistral offset that occurred along the Onaping fault system (Buchan & Ernst, 1994). This displacement is timed to have occurred between the emplacement of the Biscotasing dykes (2167Ma) and that of the Sudbury Igneous Complex (1850Ma). In the property area the Michiwakenda fault demonstrates almost 5.5 kilometres of lateral displacement.

The late sinistral deformation during the previously mentioned period is thought to have re-activated some D_1 and D_2 structures that lie within the project area due to their orientation that accommodates the batholith margins. These D_1 and D_2 structures would have been rotated in such a way that they would accommodate the formation of duplexes or flower structures with the graben walls bounding them. In the property area these accommodating structures between the graben walls would be represented by northwest trending lineaments and structures that often parallel the hinges defined by D_1 or the shears and faults of D_2.

D_6 Post Trans-Hudson Deformation

Following the major sinistral event (late D_5) there is evidence to support further movement along the Onaping fault system. Minor offsets in the Sudbury dykes as well as in the Abitibi dykes shows that there was continued movement on the structure for at least another 700Ma following the Trans-Hudson suturing event on the western margin of the craton.

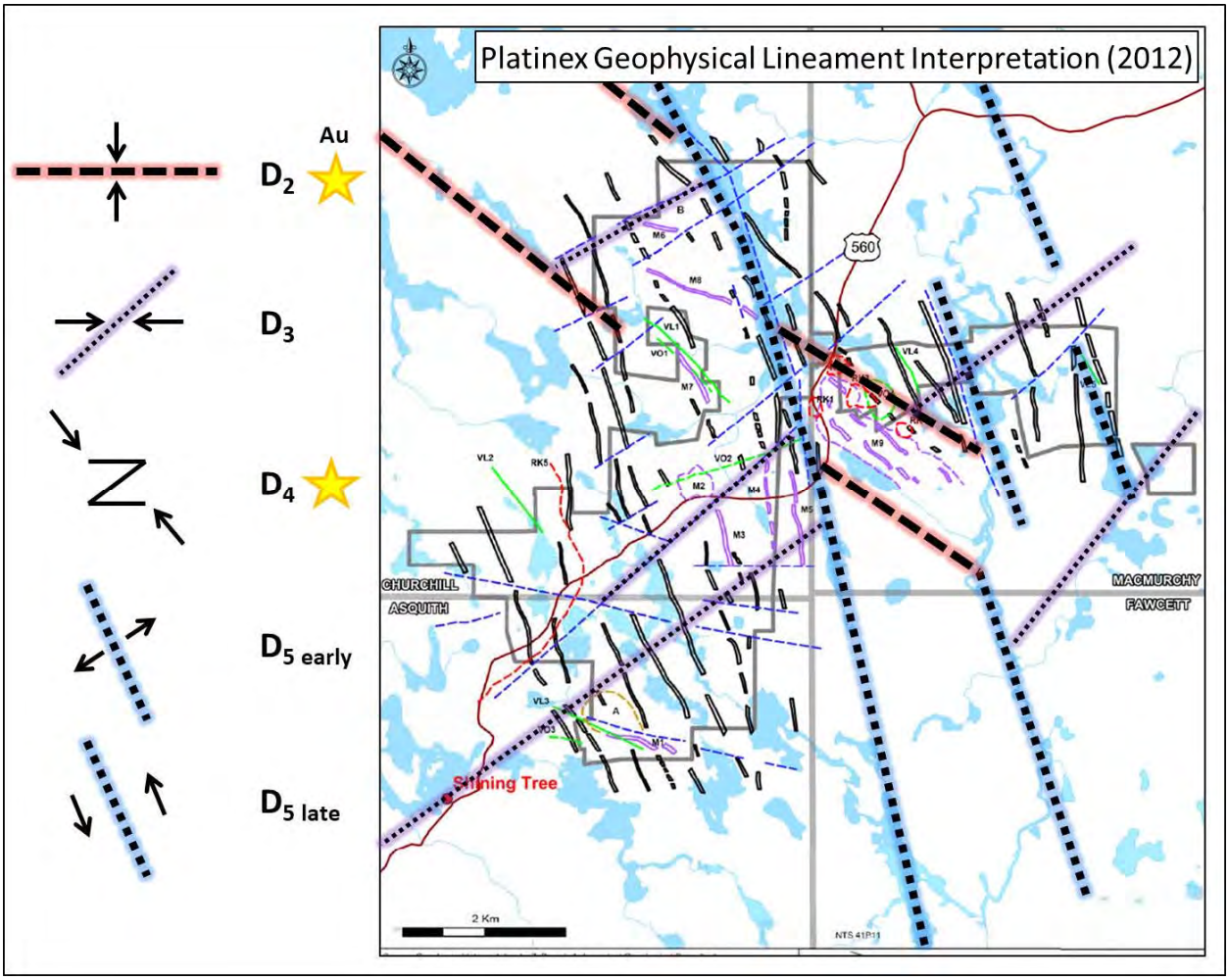

Figure 4; Structural interpretations based on Platinex airborne geophysics interpretation (source: Agnerian, 2018)

PROPERTY GEOLOGY

The Cryderman property is mapped as being underlain by northwest-southeast trending rocks of the Deloro assemblage; locally present as mafic to intermediate metavolcanic rocks with minor siltstone interbeds, and a Matachewan mafic dyke (Ayer et al., 2013) crosscuts the property on a northwest-southeast trend.

The mafic volcanic rocks on the property are largely light to dark grey-green basalts with texture varying from strongly foliated to massive, porphyritic, and/or flow textured to pillowed. All variations are

typically fine to very fine grained while the porphyritic variation contains phenocrysts of fine-grained, lathe-shaped plagioclase crystals. The mafic volcanic rocks variably show weak to moderate patchy magnetism, weak to strong pervasive chlorite alteration, weak to moderate patchy to pervasive carbonate alteration, weak to moderate sericite alteration, and weak to moderate hematite staining and alteration along fracture and foliation planes.

The siltstone occurs as lenses or seams of interflow sediments up to 2 m thick within a basalt dominated region. The siltstone on the property is generally northeast-southwest striking, typically a light grey-green colour, very fine to fine grained, and composed of rounded to sub-rounded lithic clasts. The siltstone exhibits moderate to strong chlorite alteration, and moderate carbonate alteration.

The intermediate metavolcanic rocks were not observed on the property while prospecting; however they have been documented by Carter (1977) to be located south of Violet Lake.

The Matachewan mafic dyke is found as a medium grained quartz-diabase and exhibits strong pervasive magnetism. The diabase is a dark green-grey with a weak pervasive biotite, chlorite, and epidote alteration.

WORK COMPLETED

PROSPECTING

Prospecting on the Cryderman property was completed over the course of two (2) days, September 18th, 2019, and September 28th, 2019, by Benjamin Williams and Spencer Burden of Transition Metals Corp. While prospecting and mapping four (4) samples were collected for assay from the five (5) stations.

Samples were submitted to ALS in Sudbury Ontario, and analysed for gold using a combination of fire assay and inductively couple plasma – atomic emission spectroscopy (ICP-AES) methodology. Samples that exceeded the upper analytical detection limits for gold were re-analysed by a fire assay – gravimetric analyses. The samples were also analysed for forty-eight (48) trace element and base metals using a four acid near total digestion inductively couple plasma – mass spectroscopy (ICP-MS) method. The analytical certificates and quality control data for these analyses are contained in Appendix B.

TRENCHING

Trenching around the shaft at the Queen Elizabeth vein on the Cryderman property began September 16th, 2019 and was completed on September 27th, 2019; heavy equipment operation, trench washing, and channel cutting was conducted by Canadian Exploration Services (CXS) of Larder Lake Ontario. Trench clearing, washing, sampling, and mapping was completed by Benjamin Williams and Spencer Burden of Transition Metals Corp.. Thomas Hart of Transition Metals Corp. made day trips to the trench on September 19th, 2019 and September 24th, 2019, for the purpose of taking aerial drone images of the trench. Approximately 1,080 m^2 was excavated and washed; two hundred twenty-eight (228) samples were cut and chipped, however only two hundred twenty (220) were submitted for analysis.

Bedrock channel samples were oriented roughly perpendicular to structures and veins, based on the geological mapping, to test the various lithologies, styles of alteration, veining, and sulphide mineralization. Most channels are composed of multiple samples but some single sample channels were

also collected to test isolated mineralization or features separate from the main trend or separated from the other channels by irregularities in the bedrock exposure. The channels are composed of samples with lengths of no less than 0.30 m and not more than 1 m. Maps of appropriate scale of the bedrock geology, structure, and channel sample locations are contained within Appendix A.

Samples were analysed for gold using a combination of fire assay and inductively couple plasma – atomic emission spectroscopy (ICP-AES) methodology. Samples that exceeded the upper analytical detection limits for gold were re-analysed by a fire assay – gravimetric analyses. The samples were also analysed for forty-eight (48) trace element and base metals using a four acid near total digestion inductively couple plasma – mass spectroscopy (ICP-MS) method. The analytical certificates and quality control data for these analyses are contained in Appendix B.

RESULTS

Prospecting

Prospecting and mapping of the property confirmed the presence of mafic volcanic rocks mapped by Carter (1977), and identified an un-mapped diabase dyke at station 19CRY003 (Figure 5). Foliations measured while prospecting were typically in an east-west orientation between 075° and 105° and are steeply dipping to the south. Foliation measurements show a slight counter-clockwise rotation from the northern measurements to the southernmost.

Table 2; No significant results were returned from the grab samples submitted for assay from prospecting (NAD83, UTM Zone 17).

Station I.D.	Easting	Northing	Sample I.D.	Sample Material	Lithology	Au ppm	Ag ppm	Cu ppm	Pb ppm	S per	Te ppm	Zn ppm
19CRY001	486406	5270816	L785822	Vein Quartz-carbonate	Basalt Foliated	0.001	0.01	2.3	0.6	0.01	0.05	2
19CRY004a	486533	5270944	L785823	Vein Quartz-carbonate	Basalt Foliated	0.001	0.02	74.8	1.6	0.06	0.05	66
19CRY004b	486533	5270944	L785824	Vein Quartz-carbonate	Basalt Foliated	0.013	0.03	64.5	1.1	0.08	0.05	53
19CRY005	486531	5271467	L785826	Vein Quartz-carbonate	Basalt Pillowed	0.001	0.01	4.7	1.5	0.01	0.05	77

Trenching

The trenching around the shaft on the Queen Elizabeth vein re-opened the historical showing that was sampled by Conwest Exploration Company Ltd in 1943 and allowed for structural and lithological mapping, and systematic channel sampling. The drone images were processed and stitched together to create a photomosaic that was draped over a digital elevation model also created from the drone images. The mosaic was used to assist in the mapping of the trench.

Of the two hundred twenty (220) channel samples that were submitted for assay, the vast majority of mineralization encountered corresponded to material containing quartz and quartz-carbonate veining with trace to 3% sulfide, typically a combination of pyrite and chalcopyrite ± sphalerite ± malachite; one notable exception being sample L785735 which returned a value of 1.15 ppm Au over 60 cm from a

sample consisting of foliated basalt with 1-3% fine grained disseminated pyrite along foliation planes. The highest value of the samples assayed returned a value of 15.7 ppm Au over 49 cm from sample P240911, which is largely composed of the Queen Elizabeth vein with trace to 1% very fine grained pyrite, chalcopyrite, and malachite.

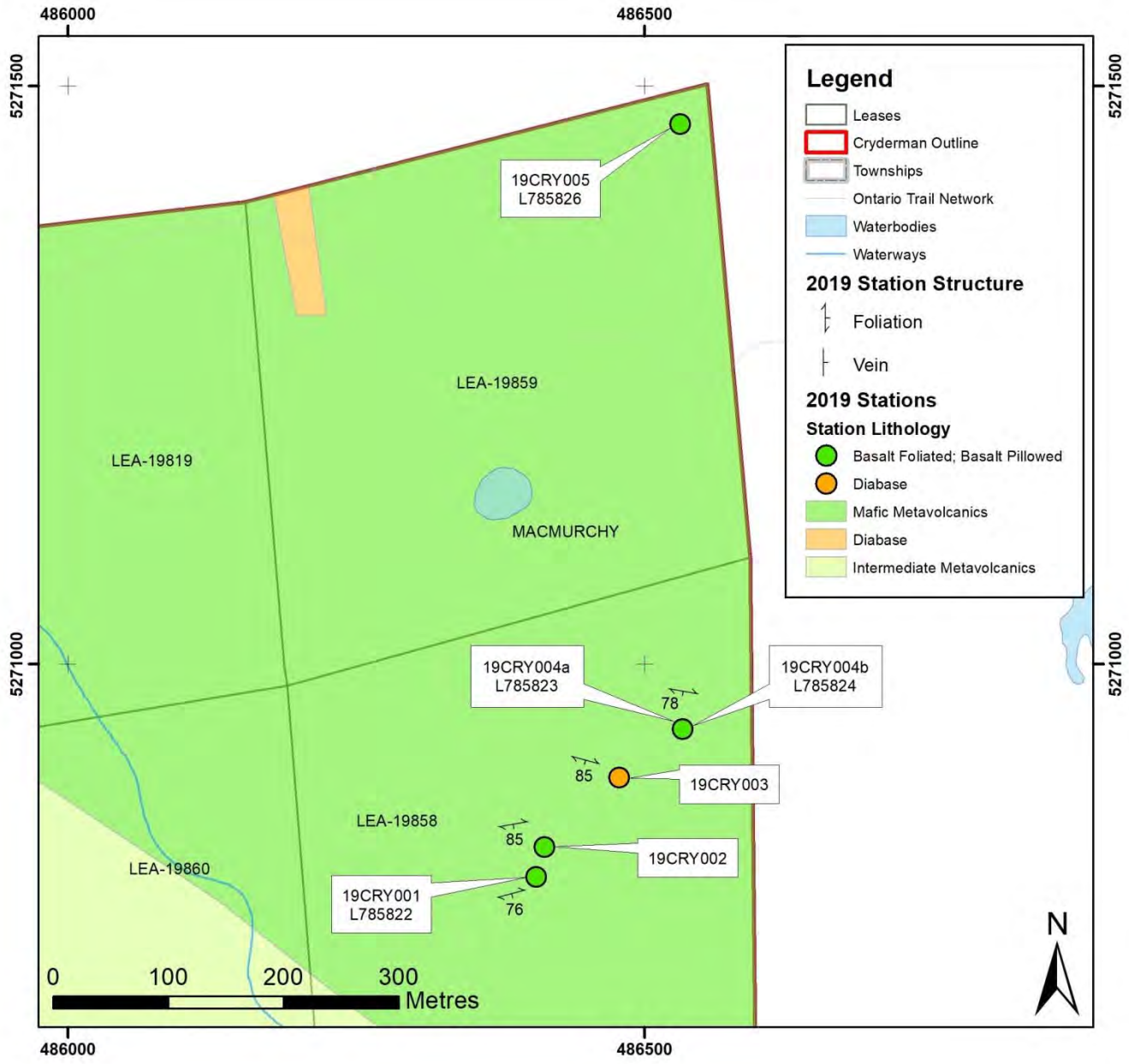

Figure 5; Cryderman property geology with the station geology, sample locations, and structural measurements from the 2019 prospecting.

Table 3; Queen Elizabeth vein channel highlights from the 2019 trenching programme (NAD 83, UTM Zoe 17).

Sample Number	Easting	Northing	Sample Length (cm)	Lithology	Au ppm	Ag ppm	Cu ppm	Pb ppm	S %	Te ppm	W ppm	Zn ppm
P240911	486563.6	5270919.6	49	Vein Quartz-carbonate	15.70	2.86	339.0	266.0	0.10	0.68	3.5	451
L785780	486590.8	5270972.3	54	Vein Quartz-carbonate	11.55	3.04	162.5	45.2	0.16	0.32	1.5	50
P240894	486553.7	5270915.2	47	Basalt Foliated	11.30	3.51	170.0	898.0	0.17	0.37	10.4	751
L785748	486587.6	5270948.2	57	Basalt Foliated	9.31	1.62	67.9	1.9	0.19	<0.05	10.3	104
P240895	486553.4	5270915.5	60	Vein Quartz-carbonate	7.46	1.24	168.0	173.5	0.11	0.14	7.4	162
L785764	486588.5	5270962.5	40	Vein Quartz-carbonate	6.26	0.88	379.0	6.4	0.73	0.25	11.0	42
P240891	486554.0	5270912.7	39	Vein Quartz-carbonate	5.60	1.97	342.0	987.0	0.54	0.56	12.0	132
L785715	486577.0	5270944.0	63	Basalt Foliated	4.83	0.23	85.4	5.2	0.71	0.06	2.0	146
P240890	486554.3	5270912.4	38	Vein Quartz-carbonate	4.37	1.04	282.0	40.7	0.26	0.46	19.4	72
L785799	486581.8	5271008.4	61	Vein Quartz-carbonate	4.11	0.38	103.5	60.9	0.17	0.06	6.0	76
L785787	486584.3	5270994.7	38	Vein Quartz-carbonate	3.99	0.04	124.0	2.9	0.07	<0.05	8.7	83
P240924	486566.1	5270924.5	39	Vein Quartz-carbonate	3.93	1.85	108.5	12.2	0.05	1.48	3.6	28
L785717	486576.3	5270944.7	65	Basalt Foliated	3.92	0.11	55.6	3.7	0.17	<0.05	4.0	139
L785731	486579.3	5270953.0	34	Basalt Foliated	3.49	0.13	232.0	5.2	0.98	0.07	12.9	120
L785807	486580.7	5271012.5	48	Basalt Foliated	3.45	0.28	51.4	3.5	0.01	0.09	1.4	25
L785703	486579.3	5270940.7	40	Basalt Foliated	2.83	0.67	98.3	23.0	0.60	0.29	11.5	67
L785751	486587.7	5270956.0	43	Vein Quartz-carbonate	2.77	0.46	111.5	11.9	0.80	0.21	6.3	50
L785788	486584.1	5270995.1	50	Vein Quartz-carbonate	2.34	0.10	126.5	3.5	0.11	<0.05	8.1	76
L785782	486591.0	5270976.3	76	Vein Quartz-carbonate	2.20	0.12	28.2	1.3	0.04	<0.05	2.2	27
P240989	486577.2	5270938.3	68	Vein Quartz-carbonate	2.13	1.27	159.5	51.4	0.36	1.70	7.4	70

Sample Number	Easting	Northing	Sample Length (cm)	Lithology	Au ppm	Ag ppm	Cu ppm	Pb ppm	S %	Te ppm	W ppm	Zn ppm
L785772	486590.1	5270964.1	30	Vein Quartz-carbonate	1.93	0.10	77.8	2.0	0.01	<0.05	0.8	14
P240977	486575.6	5270936.8	56	Basalt Foliated	1.745	0.12	86.3	8.5	0.34	0.09	5.6	92
P240885	486554.9	5270910.1	61	Vein Quartz-carbonate	1.605	0.66	175.5	46.6	0.12	0.11	16.5	127
L785793	486583.6	5271003.5	46	Vein Quartz-carbonate	1.20	0.85	6.7	2.6	0.01	<0.05	6.2	25
L785735	486584.2	5270951.4	60	Basalt Foliated	1.15	0.14	76.6	7.9	1.44	<0.05	10.4	81

From the assay data collected, a correlation matrix was tabulated revealing some chemical relationships; a correlation coefficient *r* was calculated and yielded a value equal to or between 1 and -1, where 1 is a perfect positive correlation, and -1 is a perfect negative correlation. Gold appears to have a strong positive correlation with silver ($r \geq 0.75$), a moderate positive correlation ($0.75 > r \geq 0.50$) to cadmium and lead, and a weak positive correlation ($0.50 > r \geq 0.25$) to bismuth, copper, molybdenum, selenium, tellurium, and zinc. Silver largely shares the same relationships as gold; however it has a moderate positive correlation to tellurium as opposed to the weak positive correlation to gold suggesting an Ag-Te mineral species. Cadmium exhibits a strong positive correlation to zinc, and a moderate positive correlation to lead suggesting a very minor amount of sphalerite; lead and zinc share a moderate positive correlation.

The structural mapping resulted in two hundred sixty-eight (268) measurements across the exposure. The key features measured were the quartz ± carbonate veins, foliations, shear structures, and bedding. In outcrop the mineralized veins are variable in orientation, however when plotted on a stereonet there is a trend or pattern that emerges which corresponds to an orientation of 210°/80° (Figure 6 and 7). The 210°/80° trend represents an approximate average orientation of the Queen Elizabeth vein which has been mapped to have a variable strike, ranging from 250° at the south end, 76 m southwest of the shaft, where the vein appears to horsetail, to a strike of 172° immediately south of the shaft (Figure 6). North of the shaft the Queen Elizabeth vein continues for approximately 8.5 m at a strike of 196° and abruptly heads eastward despite having a strike of 248°; this orientation change also corresponds to a textural change, from foliated pillowed mafic volcanic rocks to the south and massive mafic volcanic rocks to the north (Figure 6). When all of the measurements from the Queen Elizabeth vein are plotted on a stereonet they are typically steeply dipping to the west-northwest, with measurements dipping to either the southwest or southeast (Figure 8A). From mapping the Queen Elizabeth vein it became apparent that there is a general trend or inflection on the vein from a north-south strike to a west-southwest. At one location a slickenline was measured to have a trend of 231° and a plunge of 59° and from plotting the poles of the vein a calculated lineation with a trend of 246° and a plunge of 78° is apparent (Figure 8B).

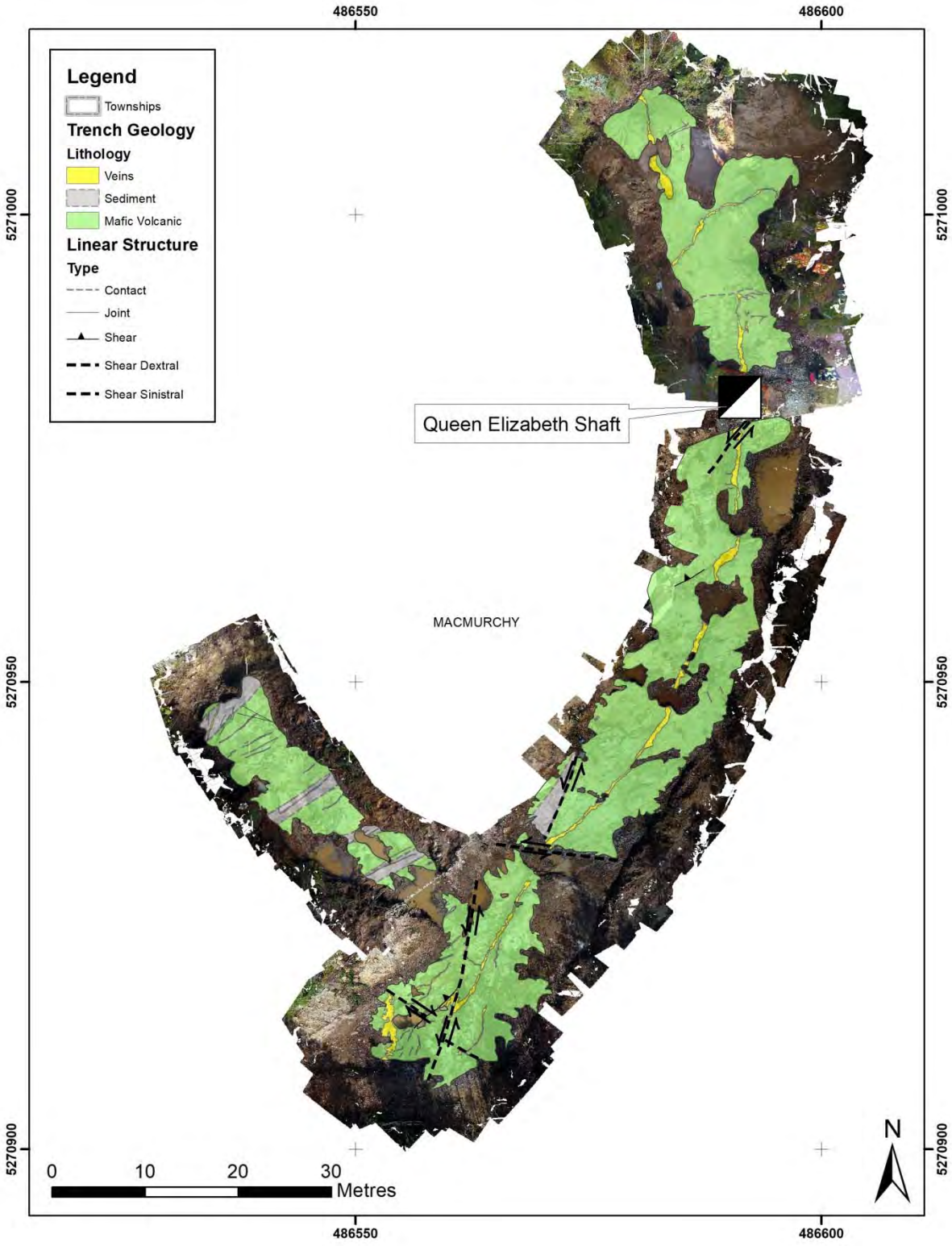

Figure 6; Cryderman excavation area revealing the Queen Elizabeth vein.

Three distinct foliation trends were measured in the trench, all of which are steeply dipping. The most abundant trend was that oriented at 050°/230° to 081°/261°, with a secondary trend between 105° to 111° (southwest dipping), and a tertiary trend of 204° to 212° (northwest dipping) (Figure 9). When the foliation trends are separated the dominant trend (Figure 9C) indicates the presence of isoclinal folding with a fold hinge roughly trending 069°, and plunging at 31° (Figure 9D). The secondary foliation trends intersect to form a lineation with a trend of 235° and a plunge of 77° (Figure 9B).

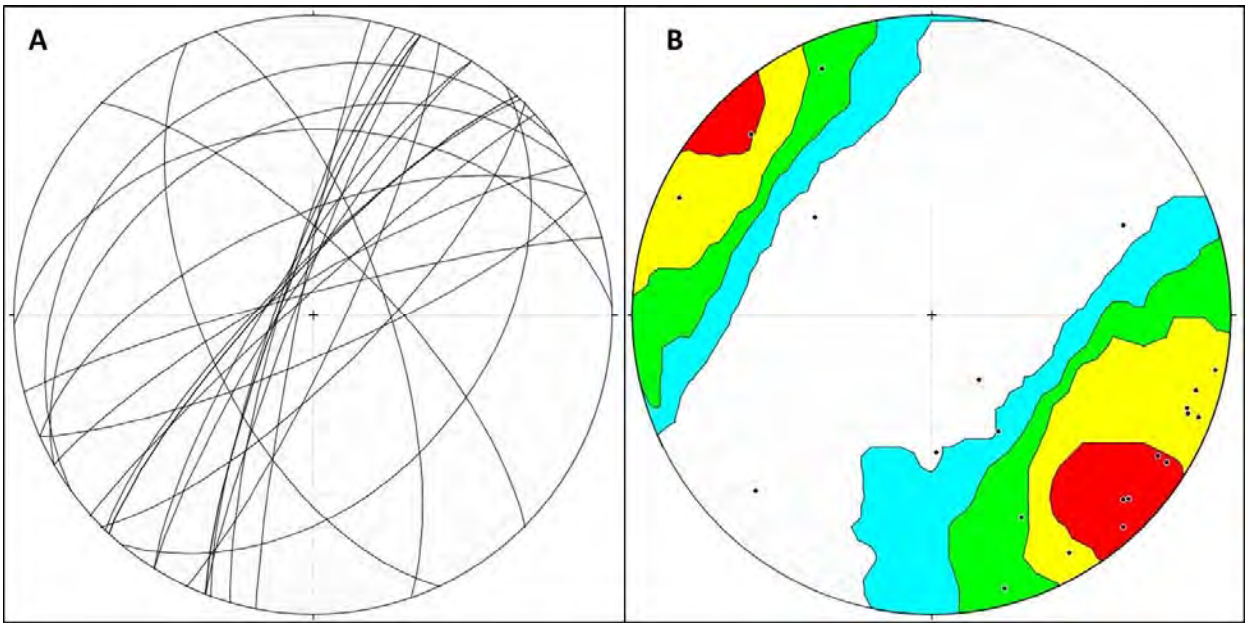

Figure 7; A: stereonet shows all of the mineralized veins measured in the trench. B: shows the calculated poles to the planes of the mineralized veins measured with coloured contours in the background.

Several zones of shearing were documented within the exposure, with measurements yielding three groups of orientations, all of which are steeply dipping (Figure 10A). The most abundant shear set or primary set strikes between 198° and 244° dipping to the northwest, the secondary set strikes 115° to 125° dipping to the southwest, and a tertiary east-west trending set with north and south dips. The lineation defined by the intersection of the primary and secondary shear sets trends at 284° and plunges at 76°.

Five, 1-2 m units of siltstone were mapped in the trench and found to trend roughly northeast-southwest. Bedding measurements indicate a steeply southwest plunging isoclinal fold with a hinge trending at 211° and plunging at 71° (Figure 10B). Grading or directional indicators were not observed within the siltstone beds; however one flow topping direction within the foliated pillowed basalt was measured to be 044°/76° (topping to the southeast).

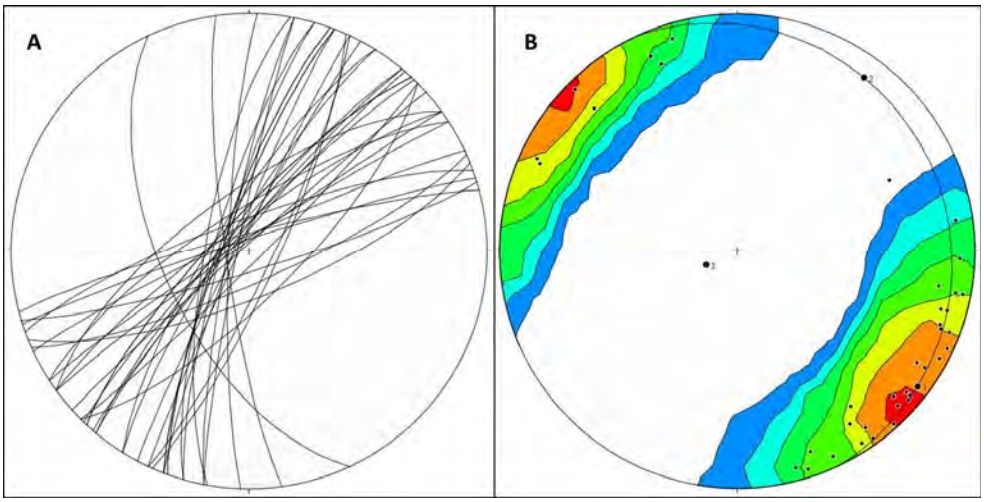

Figure 8; A: stereonet shows all of the measurements made on the Queen Elizabeth vein. B: shows the calculated poles to the planes of the Queen Elizabeth vein, 3 represents the calculated lineation or hinge in which the vein is inflected (246°/78°).

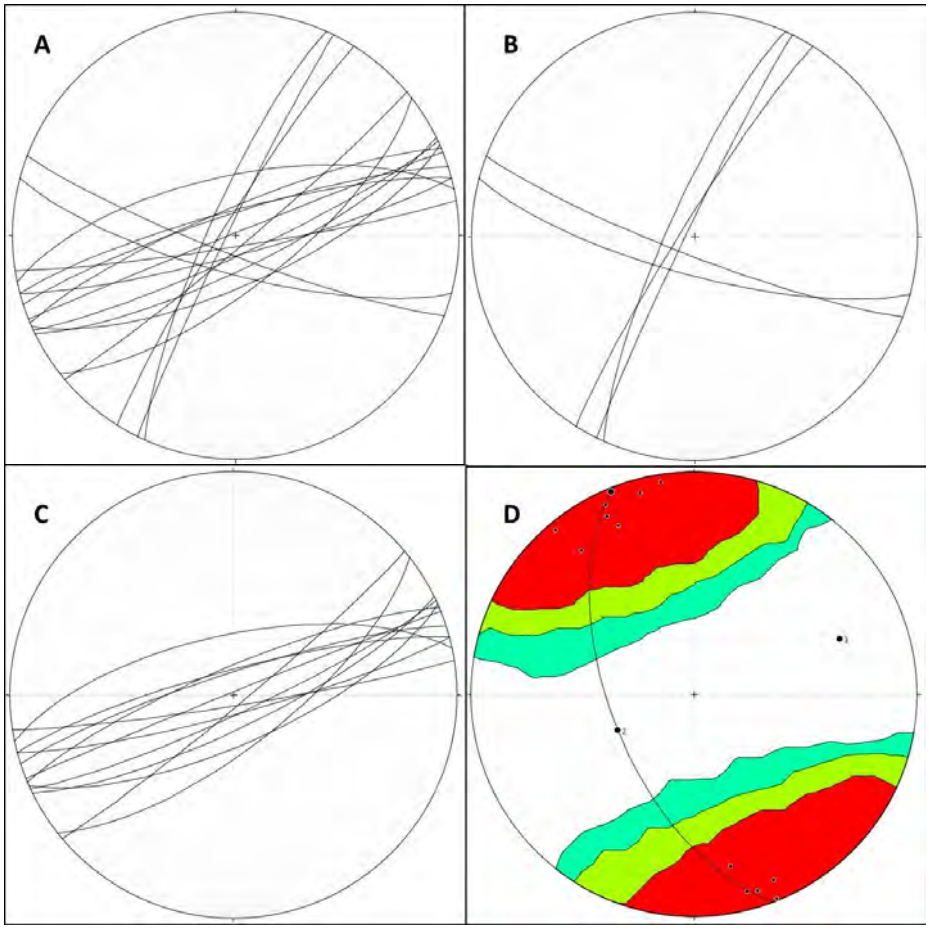

Figure 9; A: stereonet depicting all foliation measurements. B: stereonet depicting the secondary foliation sets, 105° to 111° (southwest dipping), and 204° to 212° (northwest dipping). C: stereonet depicting primary foliation set, 050°/230° to 081°/261°. D: stereonet depicting the poles to the foliations with coloured contours, 3 represents the calculated fold hinge 069°/31°.

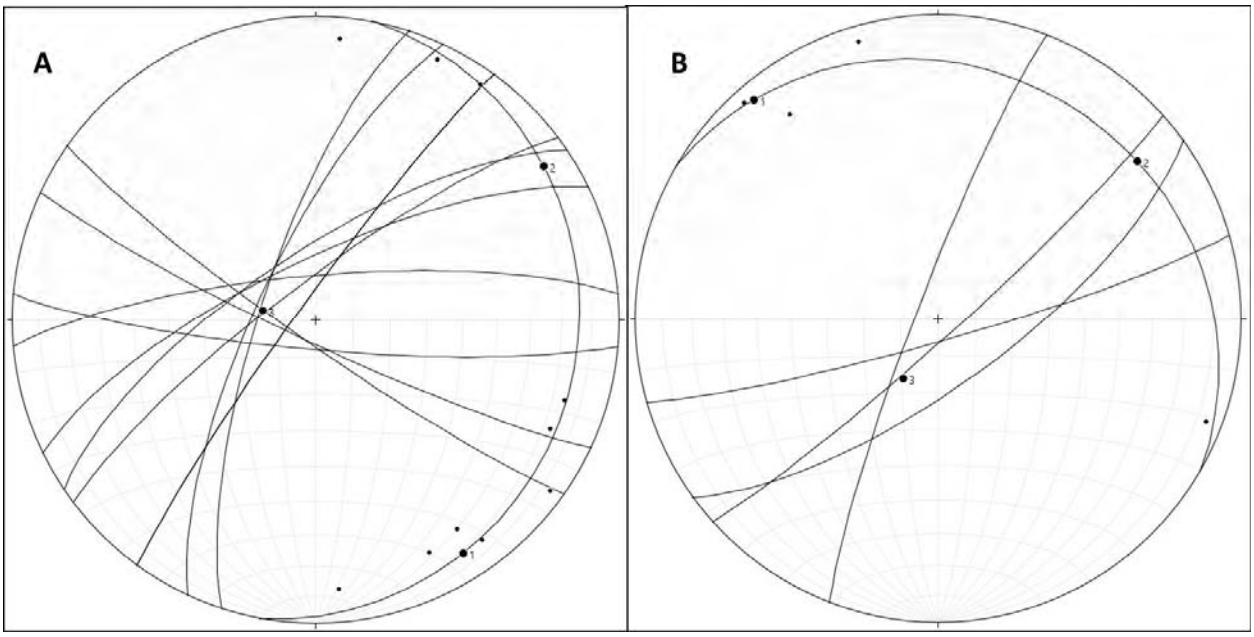

Figure 10; A: Stereonet depicting the shear structures measured in the trench and the poles to the measured structures, (3) represents the intersection lineation (284°/76°). B: Stereonet depicting the siltstone bedding planes, the poles to the bedding planes, and the calculated hinge lineation (3) defined by the intersection of the bedding planes (211°/71°).

DISCUSSION

Mineralization has been found to be largely associated with the Queen Elizabeth vein. The variation in assay results along the Queen Elizabeth vein is likely due to a nugget effect; notably field duplicate samples L785771 and L785772 yielded drastically different gold values of 0.209 ppm Au and 1.93 ppm Au respectively. Samples series L785567 to L785572 is a series of six (6) duplicate channel samples cut perpendicular to the Queen Elizabeth vein approximately 16 m south of the shaft; the mineralization distribution within these samples implies that the mineralized portion of the vein is that closest to the margins, with little mineralization towards the centre. Mineralization also is present in samples containing centimetre scale quartz-carbonate veins, or in wall rock of strong foliation and increased sulfide content.

When stereographically analyzed, the Queen Elizabeth vein appears to show a lineation or axis of inflection with the trend of 246° and plunge 78°. This lineation feature may be an area or orientation where mineralization has been concentrated in shoots along the vein during remobilization events over the long lived and complex structural history of the Queen Elizabeth vein.

The three foliation trends measured may be evidence of the deformation events discussed previously in the structure section. The S_2 southwest dipping foliations would correspond to D_2; the S_3 northeast trending foliations would correspond to D_3, and lastly the dominant trend, S_4 east-northeast-west-southwest foliations, correspond to deformation during D_4, re-activation during D_{5late} and continuing through D_6.

Interestingly the bedding and the topping indicators measured in the trench were shown to be dramatically different than recorded on historical maps. The topping indicators measured suggests there is much more variation in the region and could be suggestive of more folding than historically mapped.

Shearing is evident on the outcrop scale, and can be inferred on the local and regional scales. On the outcrop scale the shearing largely corresponds and correlates to the measured foliations across the trench. Shear sets and foliation sets share very similar intersection lineations, particularly the S_2 and S_3 orientations.

Mineralization in the Kirkland Lake-Larder Lake area is typically associated with the D_2 and D_4 events; the D_2 events correlating to the mineralization along the major Larder Lake Cadillac Deformation Zone, most notably at the Kerr-Addison mine in Virginiatown, and D_4 correlating to mineralization in the Kirkland Lake camp along the Main Break and '04 Break (Ispolatov et al., 2008). The D_4 mineralization event has a characteristic telluride and molybdenum association as demonstrated in Ispolatov et al. (2005) (Figure 11A). The correlation matrix tabulated from the Queen Elizabeth trench assay data displayed a weak positive correlation between gold and tellurium. However, when the Cryderman data is plotted on the Ispolatov et al. (2008) diagram, gold-tellurium relationship does not match that of the D_4 event, but fits very well within the geochemical signatures of the D_2 mineralizing event (Figure 11B). The strong positive correlation to silver is not surprising for a gold mineralization but the tellurium may be better explained by the presence of a silver-tellurium mineral species. A moderate positive correlation to cadmium would likely correspond to the sphalerite documented in samples with gold mineralization.

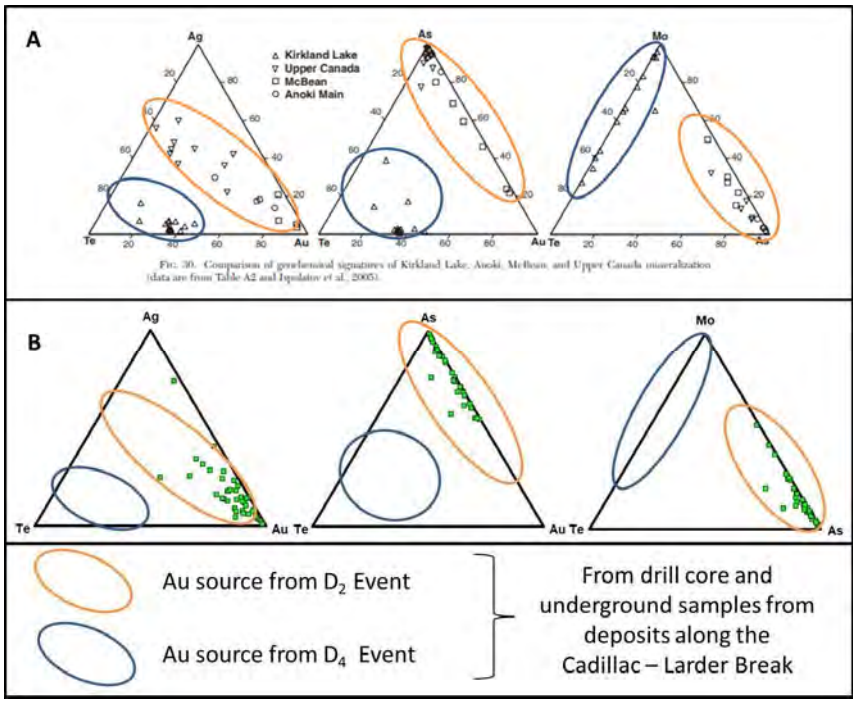

Figure 11; A: Adapted from Ispolatov et al. (2008), ternary plots showing the geochemical signatures of deposits associated to D_2 and D_4 structures in the Kirkland Lake-Larder Lake gold camp. B: Ternary plots of assayed channel samples containing ≥ 0.3 ppm Au from the Queen Elizabeth trench.

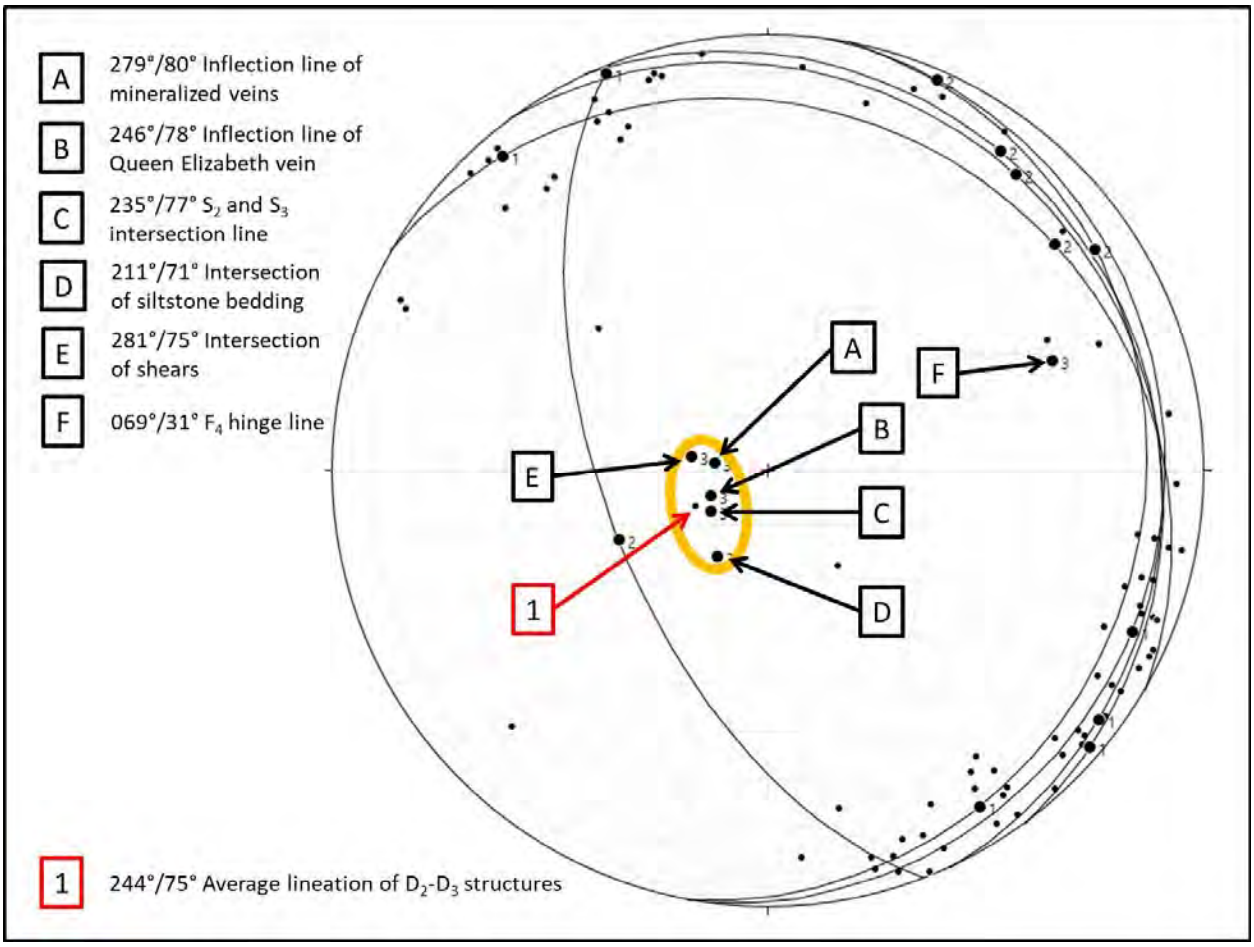

Figure 12; Stereonet depicting calculated intersection lineations and inflection lineations of planar structures.

EXPENDITURES

A summary of expenditures for the program are contained in Table 4

Table 4; Summary of expenditures for the trenching programme

Expense	Subtotal	Total
base Salaries	$6,782	
Benefits	$59	
WSIB	$242	
CPP	$178	
EI	$34	
Salaries		$7,294
Consulting Salaries	$5,225	
		$5,225
Equipment	$437	
		$437
Meals	$341	
	$106	
		$447
Accommodations	$3,682	
		$3,682
Vehicle	$1,053	
gas	$681	
mileage	$592	
transport		$2,327
Analytical Costs	$12,929	
		$12,929
Trenching Costs	$20,000	
		$20,000
Total		**$52,342**

CONCLUSIONS AND RECOMMENDATIONS

Mineralization on the Cryderman property appears to largely be D_2 associated, as the margins of the veins are the mineralized portions, the vein orientation corresponds to a north-south shortening event, and the geochemical signatures are similar to other D_2 structures (Figure 11). Any future work carried out should focus on early structures and associated veining. More property scale mapping should be completed alongside further prospecting to help identify any new showings or prospective structures. If drilling were contemplated, drilling the dominant trend of lineations of D_2-D_3 (Figures 4 and 12) structures would be recommended, with a few drill holes oriented at 065°/45°, otherwise an orientation of 090°/45°-60° should be able to intersect all styles of mineralization that is apparent in the trench(Figure 13, Table 4). Despite the lack of geochemical evidence for D_4 style mineralization on the

Cryderman, the presence of mineralized D4 mineralized veins on adjacent properties, a test of the F_4 structures may be warranted and a few drill holes on a programme should be oriented 250°/60°.

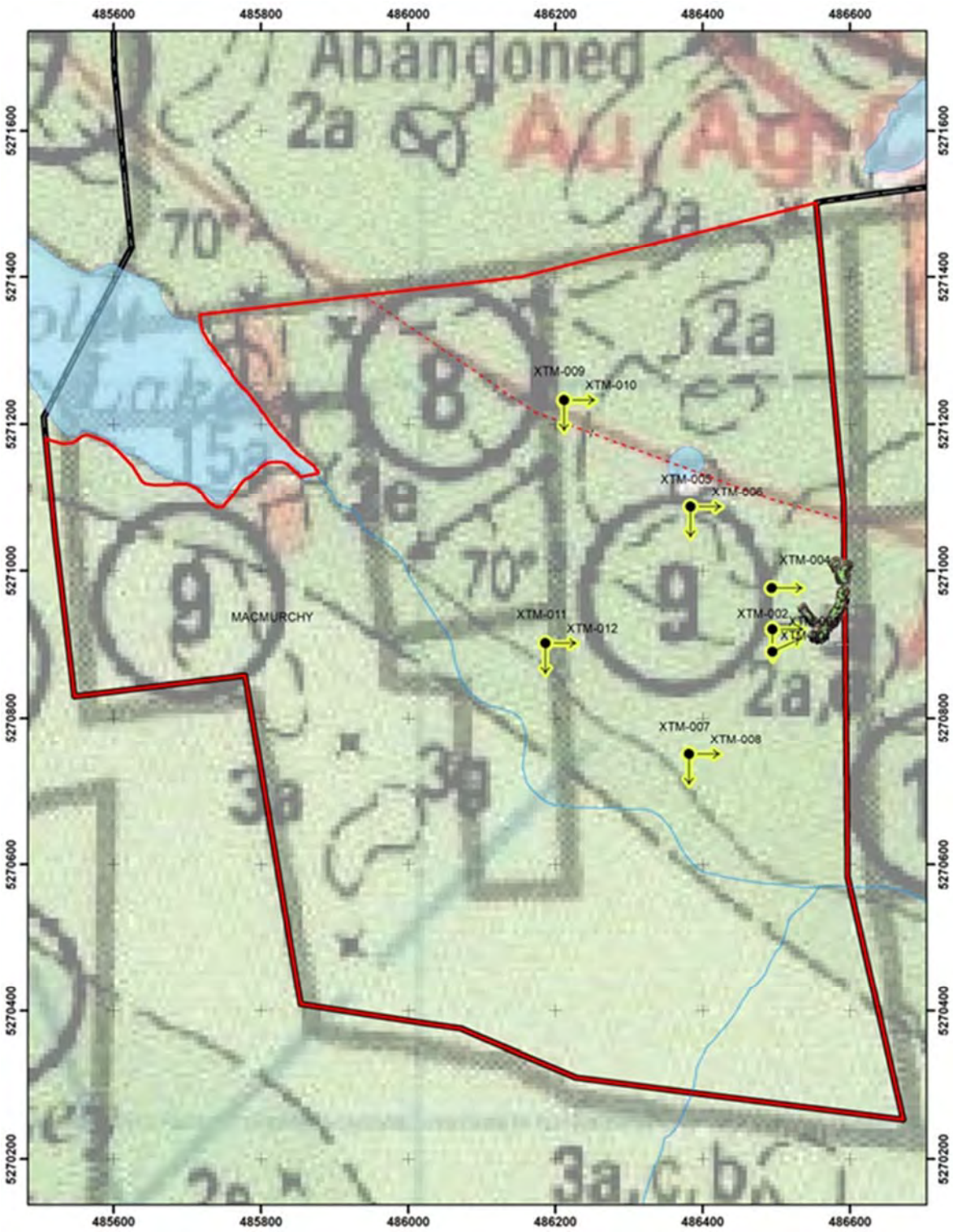

Figure 13; Location of 12 proposed diamond drill holes designed to test structures and potential mineralized horizons.

Table 5; Geometry and proposed locations of diamond drill holes (NAD 83, UTM Zone 17).

Area	DDH_ID	Easting	Northing	Azimuth	Dip	Length (m)
Cryderman	XTM-001	486495	5270921	90	-45	135
Cryderman	XTM-002	486495	5270921	180	-45	145
Cryderman	XTM-003	486495	5270891	65	-45	145
Cryderman	XTM-004	486494	5270976	90	-45	145
Cryderman	XTM-005	486384	5271087	90	-45	145
Cryderman	XTM-006	486384	5271087	180	-45	155
Cryderman	XTM-007	486382	5270750	90	-45	145
Cryderman	XTM-008	486382	5270750	180	-45	145
Cryderman	XTM-009	486212	5271233	90	-45	145
Cryderman	XTM-010	486212	5271233	180	-45	145
Cryderman	XTM-011	486187	5270902	90	-45	145
Cryderman	XTM-012	486187	5270902	180	-45	145
Total						1740

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APPENDIX A

Trench Maps

Transition Metals

Queen Elizabeth Vein Sample Map
Cryderman Project
MacMurchy Township, Ontario

November 2020 | 1:100 | Prepared By: S.J. Burden

NAD83 UTM Zone 17

Sample Number	Easting	Northing	Sample Length (cm)	Lithology	Au ppm	Ag ppm	Cu ppm	Pb ppm	S %	Te ppm	W ppm	Zn ppm
P240911	486563.6	5270919.6	49	Vein Quartz-carbonate	15.7	2.86	339	266	0.1	0.68	3.5	451
L785780	486590.8	5270972.3	54	Vein Quartz-carbonate	11.55	3.04	162.5	45.2	0.16	0.32	1.5	50
P240894	486553.7	5270915.2	47	Basalt Foliated	11.3	3.51	170	898	0.17	0.37	10.4	751
L785748	486587.6	5270948.2	57	Basalt Foliated	9.31	1.62	67.9	1.9	0.19	<0.05	10.3	104
P240895	486553.4	5270915.5	60	Vein Quartz-carbonate	7.46	1.24	168	173.5	0.11	0.14	7.4	162
L785764	486588.5	5270962.5	40	Vein Quartz-carbonate	6.26	0.88	379	6.4	0.73	0.25	11	42
P240891	486554.0	5270912.7	39	Vein Quartz-carbonate	5.6	1.97	342	987	0.54	0.56	12	132
L785715	486577.0	5270944.0	63	Basalt Foliated	4.83	0.23	85.4	5.2	0.71	0.06	2	146
P240890	486554.3	5270912.4	38	Vein Quartz-carbonate	4.37	1.04	282	40.7	0.26	0.46	19.4	72
L785799	486581.8	5271008.4	61	Vein Quartz-carbonate	4.11	0.38	103.5	60.9	0.17	0.06	6	76
L785787	486584.3	5270994.7	38	Vein Quartz-carbonate	3.99	0.04	124	2.9	0.07	<0.05	8.7	83
P240924	486566.1	5270924.5	39	Vein Quartz-carbonate	3.93	1.85	108.5	12.2	0.05	1.48	3.6	28
L785717	486576.3	5270944.7	65	Basalt Foliated	3.92	0.11	55.6	3.7	0.17	<0.05	4	139
L785731	486579.3	5270953.0	34	Basalt Foliated	3.49	0.13	232	5.2	0.98	0.07	12.9	120
L785807	486580.7	5271012.5	48	Basalt Foliated	3.45	0.28	51.4	3.5	0.01	0.09	1.4	25
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L785793	486583.6	5271003.5	46	Vein Quartz-carbonate	1.2	0.85	6.7	2.6	0.01	<0.05	6.2	25
L785735	486584.2	5270951.4	60	Basalt Foliated	1.15	0.14	76.6	7.9	1.44	<0.05	10.4	81

Queen Elizabeth Shaft

N

0 5 10 20 30 40 Metres

Legend

Linear Structure

Type

- Contact
- Joint
- Shear
- Shear Dextral
- Shear Sinistral

Trench Outline

- Trench Outline

Trench Geology

Lithology

- Veins
- Sediment
- Mafic Volcanic

Assay Results

Gold (ppm)

- 0.000 - 0.100
- 0.101 - 0.500
- 0.501 - 1.000
- 1.001 - 5.000
- 5.001 - 15.700
- Channel Samples

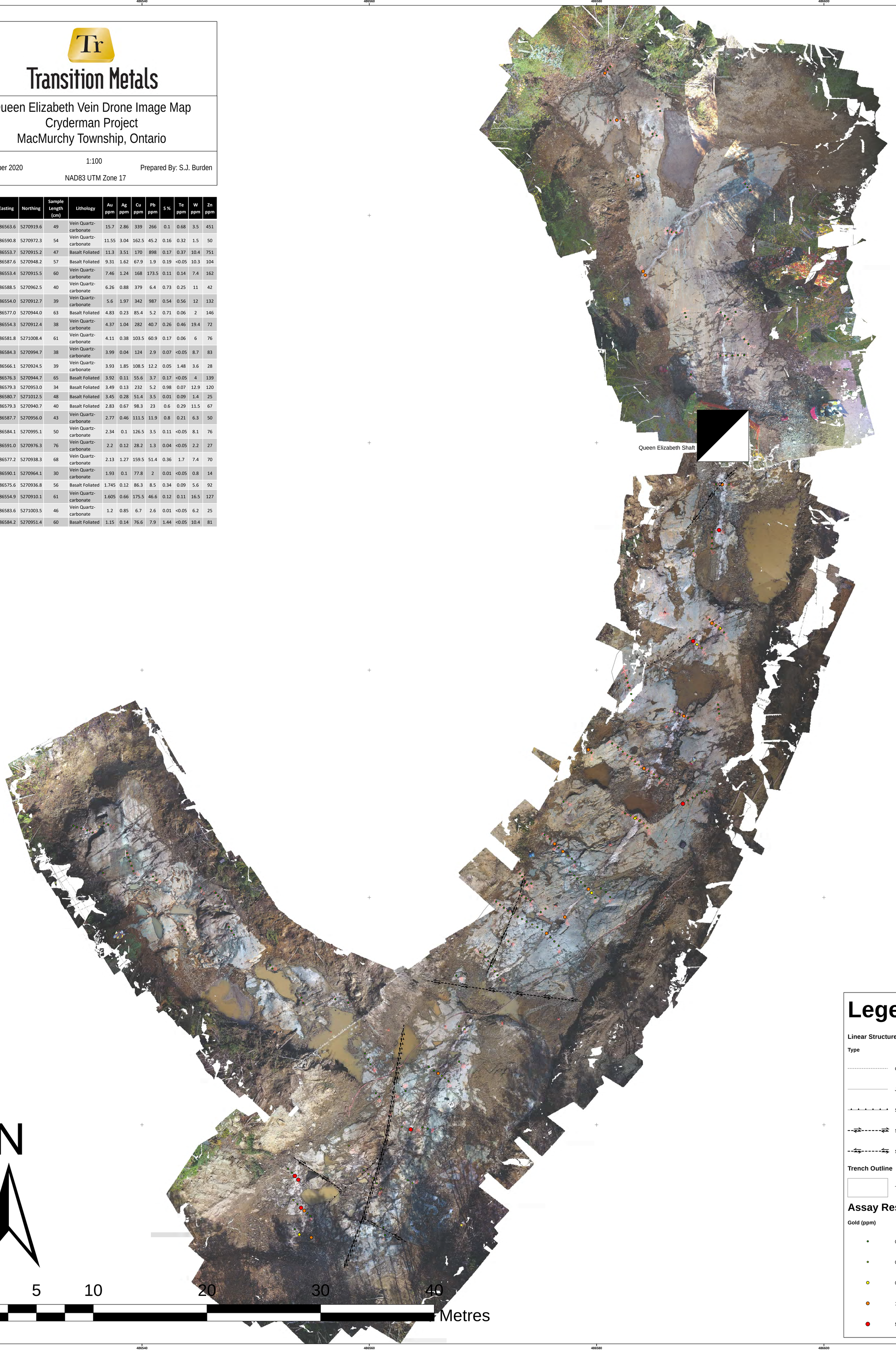
Transition Metals

Queen Elizabeth Vein Drone Image Map
Cryderman Project
MacMurchy Township, Ontario

November 2020 | 1:100 | Prepared By: S.J. Burden

NAD83 UTM Zone 17

Sample Number	Easting	Northing	Sample Length (cm)	Lithology	Au ppm	Ag ppm	Cu ppm	Pb ppm	S %	Te ppm	W ppm	Zn ppm
P240911	486563.6	5270919.6	49	Vein Quartz-carbonate	15.7	2.86	339	266	0.1	0.68	3.5	451
L785780	486590.8	5270972.3	54	Vein Quartz-carbonate	11.55	3.04	162.5	45.2	0.16	0.32	1.5	50
P240894	486553.7	5270915.2	47	Basalt Foliated	11.3	3.51	170	898	0.17	0.37	10.4	751
L785748	486587.6	5270948.2	57	Basalt Foliated	9.31	1.62	67.9	1.9	0.19	<0.05	10.3	104
P240895	486553.4	5270915.5	60	Vein Quartz-carbonate	7.46	1.24	168	173.5	0.11	0.14	7.4	162
L785764	486588.5	5270962.5	40	Vein Quartz-carbonate	6.26	0.88	379	6.4	0.73	0.25	11	42
P240891	486554.0	5270912.7	39	Vein Quartz-carbonate	5.6	1.97	342	987	0.54	0.56	12	132
L785715	486577.0	5270944.0	63	Basalt Foliated	4.83	0.23	85.4	5.2	0.71	0.06	2	146
P240890	486554.3	5270912.4	38	Vein Quartz-carbonate	4.37	1.04	282	40.7	0.26	0.46	19.4	72
L785799	486581.8	5271008.4	61	Vein Quartz-carbonate	4.11	0.38	103.5	60.9	0.17	0.06	6	76
L785787	486584.3	5270994.7	38	Vein Quartz-carbonate	3.99	0.04	124	2.9	0.07	<0.05	8.7	83
P240924	486566.1	5270924.5	39	Vein Quartz-carbonate	3.93	1.85	108.5	12.2	0.05	1.48	3.6	28
L785717	486576.3	5270944.7	65	Basalt Foliated	3.92	0.11	55.6	3.7	0.17	<0.05	4	139
L785731	486579.3	5270953.0	34	Basalt Foliated	3.49	0.13	232	5.2	0.98	0.07	12.9	120
L785807	486580.7	5271012.5	48	Basalt Foliated	3.45	0.28	51.4	3.5	0.01	0.09	1.4	25
L785703	486579.3	5270940.7	40	Basalt Foliated	2.83	0.67	98.3	23	0.6	0.29	11.5	67
L785751	486587.7	5270956.0	43	Vein Quartz-carbonate	2.77	0.46	111.5	11.9	0.8	0.21	6.3	50
L785788	486584.1	5270995.1	50	Vein Quartz-carbonate	2.34	0.1	126.5	3.5	0.11	<0.05	8.1	76
L785782	486591.0	5270976.3	76	Vein Quartz-carbonate	2.2	0.12	28.2	1.3	0.04	<0.05	2.2	27
P240989	486577.2	5270938.3	68	Vein Quartz-carbonate	2.13	1.27	159.5	51.4	0.36	1.7	7.4	70
L785772	486590.1	5270964.1	30	Vein Quartz-carbonate	1.93	0.1	77.8	2	0.01	<0.05	0.8	14
P240977	486575.6	5270936.8	56	Basalt Foliated	1.745	0.12	86.3	8.5	0.34	0.09	5.6	92
P240885	486554.9	5270910.1	61	Vein Quartz-carbonate	1.605	0.66	175.5	46.6	0.12	0.11	16.5	127
L785793	486583.6	5271003.5	46	Vein Quartz-carbonate	1.2	0.85	6.7	2.6	0.01	<0.05	6.2	25
L785735	486584.2	5270951.4	60	Basalt Foliated	1.15	0.14	76.6	7.9	1.44	<0.05	10.4	81



Transition Metals

Queen Elizabeth Vein Structural Map
Cryderman Project
MacMurchy Township, Ontario

November 2020 | 1:100 | Prepared By: S.J. Burden

NAD83 UTM Zone 17

Queen Elizabeth Shaft

N

0 5 10 20 30 40 Metres

Legend

Point Structure

Type

- Bedding
- Boudin
- Contact
- Cooling Fracture
- Crenulation Vein
- Flow Top
- Foliation
- Glacial Striation
- Joint
- Lineation
- Pillow Flattening
- Shear
- Vein

Linear Structure

Type

- Contact
- Joint
- Shear
- Shear Dextral
- Shear Sinistral

Trench Outline

- Trench Outline

Trench Geology

Lithology

- Veins
- Sediment
- Mafic Volcanic

APPENDIX B

Assay Results

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: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

CERTIFICATE SD18289599

Project: Pgen- 002

This report is for 9 Rock samples submitted to our lab in Sudbury, ON, Canada on 15- NOV- 2018.

The following have access to data associated with this certificate:

JAKE BURDEN GRANT MOURRE	GREG COLLINS	THOMAS HART

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 21	Crush entire sample > 70% - 6 mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM

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:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

CERTIFICATE OF ANALYSIS SD18289599

Sample Description	Method	WEI- 21	Au- ICP21	Au- GRA21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Au	Au	Ag	Al	As	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	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05
L782835		Not Recvd														
L782836		1.03	<0.001		<0.01	0.50	1.6	40	0.07	0.01	0.19	0.07	1.86	3.2	26	0.11
L782837		1.24	>10.0	34.5	17.90	0.13	28.9	10	<0.05	3.29	1.70	3.43	0.84	19.0	37	<0.05
L782838		1.59	0.033		0.09	3.81	1.9	40	0.52	0.02	2.68	0.04	7.11	14.3	80	1.27
L782839		1.29	>10.0	16.20	1.61	0.56	13.6	30	0.14	0.12	1.05	0.09	0.84	1.9	32	0.11
L782840		0.98	7.75		3.64	0.54	21.9	70	0.11	0.29	0.83	0.25	2.35	16.6	33	0.10
L782841		1.24	>10.0	11.00	22.3	0.16	50.8	20	0.08	1.36	0.36	0.34	0.54	37.3	35	0.06
L782842		1.21	0.034		0.20	2.63	11.6	160	0.63	0.04	1.51	0.33	7.40	14.5	38	0.51
L782843		1.20	0.252		0.16	5.10	10.1	310	1.34	0.02	4.44	0.49	9.25	28.9	53	0.99

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

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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

CERTIFICATE OF ANALYSIS SD18289599

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOD	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
L782835																
L782836		7.7	1.24	1.43	<0.05	0.2	0.020	0.13	0.7	1.4	0.09	659	1.53	0.04	0.3	2.2
L782837		286	3.30	0.40	<0.05	<0.1	0.070	0.05	<0.5	0.7	0.17	587	2.63	0.02	<0.1	3.1
L782838		42.6	7.33	11.55	<0.05	1.4	0.068	0.20	3.0	31.4	2.32	881	1.63	0.47	2.7	21.9
L782839		59.5	0.85	1.82	<0.05	<0.1	0.010	0.19	<0.5	2.7	0.14	166	1.94	0.02	0.2	1.7
L782840		583	0.75	1.29	<0.05	0.1	0.032	0.23	1.0	2.3	0.12	141	2.41	0.10	0.1	1.7
L782841		2360	0.62	0.53	<0.05	<0.1	0.076	0.07	<0.5	0.9	0.02	99	2.79	0.02	<0.1	3.9
L782842		117.5	3.22	7.77	<0.05	0.8	0.048	0.92	3.3	9.1	0.58	731	1.69	0.30	2.5	13.6
L782843		89.8	7.27	14.25	<0.05	1.5	0.075	1.73	4.0	23.7	1.62	1320	1.83	0.12	2.9	24.9

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

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: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

CERTIFICATE OF ANALYSIS SD18289599

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	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	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
L782835																
L782836		220	<0.5	5.0	<0.002	0.01	<0.05	2.5	<1	<0.2	5.6	<0.05	<0.05	0.06	0.068	0.03
L782837		10	466	1.0	<0.002	2.90	0.30	0.4	17	<0.2	13.1	<0.05	8.54	0.01	<0.005	0.11
L782838		380	1.7	5.3	<0.002	0.03	<0.05	18.5	1	0.4	17.5	0.13	<0.05	0.29	0.443	0.03
L782839		10	17.9	5.0	<0.002	0.10	0.07	1.4	1	0.2	5.5	<0.05	0.22	0.01	0.017	0.03
L782840		40	48.4	4.6	<0.002	0.09	0.07	1.2	2	<0.2	8.3	<0.05	1.92	0.05	0.014	0.03
L782841		10	255	1.8	<0.002	0.28	0.08	0.5	11	<0.2	4.0	<0.05	12.85	0.01	<0.005	0.02
L782842		110	7.6	30.2	0.002	0.34	0.21	11.1	1	0.9	20.0	0.08	<0.05	0.24	0.326	0.14
L782843		370	31.0	52.7	0.002	0.62	0.42	24.9	1	0.9	48.3	0.15	<0.05	0.32	0.696	0.20

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

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

CERTIFICATE OF ANALYSIS SD18289599

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	CRU- QC	PUL- QC
	Analyte	U	V	W	Y	Zn	Zr	Pass2mm	Pass75um
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	LOD	0.1	1	0.1	0.1	2	0.5	0.01	0.01
L782835									
L782836		<0.1	19	1.4	2.3	12	5.7	81.4	95.4
L782837		<0.1	3	0.1	1.6	234	<0.5		
L782838		0.1	104	1.9	14.0	81	49.9		
L782839		<0.1	13	0.3	2.0	9	1.8		
L782840		<0.1	8	0.3	1.9	23	2.0		
L782841		<0.1	4	0.2	1.2	27	0.5		
L782842		0.1	95	7.3	7.1	54	27.3		
L782843		0.1	214	17.2	14.1	106	52.2		

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

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www.alsglobal.com/geochemistry

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

CERTIFICATE OF ANALYSIS SD18289599

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Sudbury located at 1351- B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

CRU- 21	CRU- 31	CRU- QC	LOG- 22
PUL- 32	PUL- QC	SPL- 21	WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- GRA21	Au- ICP21	ME- MS61

ALS Canada Ltd.

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North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com/geochemistry

To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

CERTIFICATE SD19255248

Project: Cryderman

This report is for 234 Rock samples submitted to our lab in Sudbury, ON, Canada on 10-OCT-2019.

The following have access to data associated with this certificate:

JAKE BURDEN GRANT MOURRE	GREG COLLINS BEN WILLIAMS	THOMAS HART

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

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

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: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01	Au-ICP21 Au ppm 0.001	Au-GRA21 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1
P240901		1.67	89.4	88.4	0.129		0.25	6.32	32.3	40	0.90	0.37	3.43	0.06	16.85	40.1
P240902		2.39		90.7	0.037		0.04	1.24	8.0	50	0.30	0.06	0.54	0.04	3.31	7.0
P240903		1.21			0.144		0.07	5.89	18.2	400	1.71	0.12	4.19	0.05	8.16	17.8
P240904		2.08			0.123		0.02	3.14	9.7	220	0.89	0.07	2.10	0.04	4.43	9.8
P240905		1.95			0.007		0.04	7.27	21.8	290	1.30	0.05	4.50	0.08	9.42	39.7
P240906		3.26			0.364		0.06	5.85	14.3	270	1.37	0.11	4.39	0.11	8.31	38.7
P240907		1.87			0.178		0.21	3.50	5.4	40	0.50	0.08	2.14	0.10	7.20	23.2
P240908		2.06			0.002		0.04	6.83	13.7	70	0.40	0.03	4.51	0.09	6.75	48.6
P240909		2.08		87.1	0.007		0.04	5.46	13.2	80	0.81	0.03	3.42	0.10	16.35	30.6
P240910		1.81	88.2	85.7	0.001		0.03	6.65	43.6	230	0.55	0.06	5.79	0.07	6.16	47.1
P240911		2.21			>10.0	15.70	2.86	1.75	20.6	110	0.41	0.36	2.08	4.92	2.62	16.8
P240912		2.52			0.188		0.05	6.31	7.4	230	1.78	0.08	4.49	0.17	13.95	39.4
P240913		2.91			0.024		0.03	5.11	16.6	290	1.18	0.05	6.76	0.07	5.52	21.4
P240914		2.28			0.008		0.02	5.02	4.6	190	1.10	0.04	3.94	0.06	7.44	31.5
P240915		2.35			0.001		0.02	6.49	6.4	80	1.22	0.03	4.70	0.09	12.80	47.6
P240916		2.67			0.022		0.02	5.25	10.7	300	1.41	0.06	5.31	0.08	5.84	21.4
P240917		2.85			0.003		0.01	6.60	4.7	70	1.39	0.02	3.91	0.05	20.1	35.6
P240918		2.57			0.031		0.05	6.08	8.9	200	1.22	0.15	4.31	0.13	13.30	45.2
P240919		2.71			0.010		0.03	6.42	5.8	140	1.14	0.03	3.93	0.11	12.70	47.0
P240920		4.38			0.048		0.03	6.65	6.1	260	1.33	0.05	3.95	0.09	13.85	47.1
P240921		2.34			0.024		0.09	6.60	12.1	80	1.40	0.25	4.41	0.12	18.45	33.7
P240922		1.92			0.132		0.10	6.70	10.3	160	1.25	0.24	4.43	0.13	21.3	30.7
P240923		1.21			0.227		0.09	4.58	15.4	320	1.13	0.11	7.96	0.07	10.15	17.8
P240924		1.70			3.93		1.85	3.97	7.3	270	0.87	2.08	6.69	0.08	8.59	15.4
P240925		0.07			2.45		4.62	5.40	20.5	380	0.90	0.09	4.11	0.36	24.0	10.9
P240926		2.19			0.016		0.03	7.03	10.2	240	0.95	0.03	4.82	0.04	10.85	36.7
P240927		2.94			0.002		0.02	6.83	6.4	20	1.02	0.03	4.08	0.03	19.25	38.5
P240928		2.83			0.027		0.06	4.71	8.2	80	1.02	0.14	3.46	0.07	14.35	22.6
P240929		3.02			0.116		0.06	0.91	3.8	70	0.22	0.10	0.83	0.13	2.00	5.1
P240930		3.62			0.009		0.03	6.55	5.2	330	0.74	0.06	7.84	0.04	7.35	30.0
P240931		2.84		88.2	0.032		0.02	6.49	6.8	170	1.39	0.06	5.79	0.05	16.65	40.2
P240932		3.26		89.8	0.059		0.03	5.18	6.3	270	1.56	0.14	3.11	0.02	15.70	34.0
P240933		2.03			0.033		0.04	6.58	6.1	350	1.64	0.04	4.96	0.05	16.50	41.6
P240934		2.35			0.062		0.04	6.36	6.7	280	1.37	0.06	4.95	0.09	15.25	44.0
P240935		2.01			0.005		0.03	6.38	6.2	310	1.29	0.02	3.87	0.10	15.95	41.5
P240936		2.65			0.009		0.04	6.18	4.2	300	1.12	0.01	4.53	0.12	12.35	41.2
P240937		2.14			<0.001		0.02	6.33	4.2	50	0.45	0.01	4.24	0.10	13.75	44.7
P240938		2.16			0.002		0.02	6.50	9.7	150	0.61	0.01	4.72	0.10	20.5	48.5
P240939		2.46			0.002		0.02	6.70	10.0	40	0.52	0.01	4.90	0.08	14.60	44.5
P240940		1.48	80.0	92.5	0.005		0.04	6.34	30.5	450	1.14	0.02	6.02	0.10	10.65	38.7

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

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01
P240901		18	0.46	223	9.17	17.85	0.09	2.6	0.080	0.26	5.8	25.9	1.31	1200	1.56	2.26
P240902		80	0.26	72.0	2.10	4.26	<0.05	0.8	0.026	0.30	1.3	5.5	0.23	355	4.90	0.19
P240903		205	1.83	179.5	3.37	14.70	0.12	1.1	0.104	3.02	3.6	14.8	0.72	1520	3.27	0.05
P240904		186	0.98	66.6	2.48	8.11	0.08	0.5	0.064	1.52	1.9	8.6	0.38	984	6.14	0.10
P240905		267	1.38	142.5	6.95	16.00	0.08	1.2	0.117	2.48	3.8	28.9	1.96	2310	2.36	0.77
P240906		77	0.73	110.5	8.66	16.25	0.07	1.7	0.090	1.88	3.1	19.2	1.73	1880	1.39	0.66
P240907		99	0.20	298	5.78	9.10	0.05	1.0	0.066	0.16	2.8	13.8	1.32	757	3.73	0.86
P240908		190	0.31	116.5	8.20	14.45	0.06	0.9	0.055	0.42	2.6	36.1	3.50	1260	0.22	1.72
P240909		66	0.42	77.5	9.13	14.65	0.09	2.1	0.099	0.29	5.7	30.9	1.70	1320	0.86	1.32
P240910		197	1.21	99.5	7.86	13.55	0.07	1.1	0.085	2.36	2.4	27.9	2.97	1620	0.39	0.21
P240911		100	0.50	339	2.37	4.41	0.07	0.4	0.077	0.83	0.9	5.5	0.55	608	4.13	0.03
P240912		54	0.84	75.9	10.55	18.80	0.10	1.7	0.135	1.95	5.4	23.4	1.94	1540	1.15	0.09
P240913		157	1.06	103.0	5.21	10.40	0.08	0.8	0.069	2.46	2.1	16.1	2.04	1650	2.26	0.05
P240914		51	0.70	150.0	7.88	12.90	0.06	1.3	0.085	1.22	2.9	21.5	1.49	1590	1.12	0.64
P240915		41	0.21	169.5	10.65	18.50	0.07	1.3	0.095	0.43	5.1	21.3	2.29	1740	0.45	2.19
P240916		175	1.34	85.2	5.45	11.55	0.07	0.9	0.075	2.37	2.4	20.4	1.75	1640	1.96	0.05
P240917		23	0.44	73.7	10.95	21.5	0.10	3.0	0.119	0.37	7.4	23.0	1.76	1360	0.68	1.80
P240918		14	0.39	186.5	10.90	17.60	0.08	1.8	0.085	0.94	5.0	17.4	2.06	1840	0.65	1.52
P240919		10	0.39	204	12.20	18.35	0.08	1.9	0.084	0.62	4.7	21.5	2.57	1860	0.46	1.42
P240920		21	0.67	179.0	11.45	19.30	0.08	1.7	0.104	1.07	5.6	24.3	2.23	1990	0.59	1.15
P240921		50	0.74	286	10.50	19.40	0.08	3.2	0.110	0.17	6.5	31.6	1.66	1340	0.85	2.08
P240922		21	1.10	265	9.73	19.95	0.08	3.6	0.120	0.80	7.6	29.8	1.36	1330	1.07	1.74
P240923		129	2.16	129.5	4.05	10.90	0.08	1.1	0.122	1.99	4.2	19.7	1.00	1680	2.16	0.10
P240924		145	1.08	108.5	3.41	8.60	0.08	0.6	0.108	1.84	3.9	13.3	0.97	1640	2.30	0.05
P240925		25	6.06	69.5	3.12	11.25	0.10	1.7	0.048	2.38	11.1	39.4	0.95	713	6.39	0.90
P240926		244	0.86	215	6.79	14.55	0.08	1.1	0.138	2.24	4.8	26.9	2.13	2010	0.34	0.74
P240927		41	0.20	56.5	10.30	22.7	0.09	3.1	0.122	0.05	7.4	25.3	1.91	1320	0.43	2.65
P240928		44	0.71	183.5	7.41	13.80	0.09	2.5	0.091	0.35	5.2	25.2	1.09	992	1.81	1.28
P240929		94	0.22	284	1.72	2.41	0.06	0.3	0.028	0.24	0.8	4.9	0.20	378	4.34	0.14
P240930		163	1.41	160.5	6.00	13.05	0.06	1.1	0.118	2.32	3.1	26.2	2.05	1960	0.42	0.27
P240931		42	0.81	150.5	9.87	17.50	0.08	2.0	0.106	1.03	6.5	20.5	1.66	1580	0.57	1.48
P240932		26	1.09	139.0	9.32	17.45	0.08	2.5	0.086	1.25	6.0	23.5	1.21	833	1.72	0.14
P240933		53	1.00	137.0	10.65	18.85	0.09	1.7	0.116	1.69	6.5	24.2	1.82	1750	0.62	0.39
P240934		31	0.85	174.0	11.10	17.70	0.07	1.9	0.096	1.27	6.2	20.3	2.01	1780	0.62	0.94
P240935		9	0.80	135.5	11.60	19.75	0.07	2.3	0.107	1.30	6.4	23.3	2.05	1640	0.73	0.50
P240936		8	0.93	106.0	11.45	18.50	0.08	2.0	0.089	1.05	4.9	17.7	2.08	1760	0.71	1.21
P240937		4	0.17	89.3	12.05	19.35	0.07	1.4	0.095	0.15	4.9	17.9	2.41	1500	0.25	2.03
P240938		7	0.33	120.5	12.60	21.2	0.09	2.2	0.114	0.29	7.5	25.8	2.59	1380	0.33	0.99
P240939		32	0.22	134.5	11.35	19.15	0.08	1.7	0.108	0.09	5.4	21.5	2.63	1370	0.23	2.08
P240940		69	0.61	100.0	9.37	15.85	0.08	1.5	0.086	2.25	3.8	16.4	2.14	1580	0.54	0.12

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
P240901		3.8	20.7	860	5.7	10.2	0.002	0.45	0.54	32.5	1	0.7	54.7	0.24	<0.05	0.53
P240902		0.8	7.5	150	1.7	10.1	0.005	0.10	0.17	6.5	1	0.3	8.1	0.05	<0.05	0.12
P240903		1.8	29.3	140	2.8	102.0	<0.002	0.15	0.34	33.2	<1	0.8	32.5	0.08	<0.05	0.23
P240904		0.9	21.6	70	1.6	54.5	<0.002	0.01	0.22	16.6	1	0.6	17.3	<0.05	<0.05	0.15
P240905		1.9	73.3	270	2.7	82.0	<0.002	0.04	0.20	45.0	<1	1.3	52.1	0.09	0.05	0.35
P240906		2.6	37.0	460	3.3	59.1	0.002	0.55	0.32	33.7	<1	0.7	67.0	0.16	<0.05	0.35
P240907		1.7	23.8	310	3.3	4.6	<0.002	0.07	0.22	19.8	1	0.5	42.5	0.09	<0.05	0.22
P240908		1.5	90.1	270	2.5	8.5	<0.002	0.06	0.14	41.4	<1	0.5	63.1	0.10	0.05	0.32
P240909		3.3	27.0	780	3.1	8.6	<0.002	0.03	0.33	31.6	<1	0.6	45.8	0.20	<0.05	0.42
P240910		1.6	81.8	260	2.1	66.6	<0.002	0.07	0.27	41.3	1	0.4	51.4	0.09	<0.05	0.23
P240911		0.8	11.7	120	266	25.9	<0.002	0.10	0.18	9.5	3	0.3	21.3	<0.05	0.68	0.10
P240912		3.1	31.5	730	4.9	54.6	<0.002	0.64	0.45	36.4	1	0.8	54.5	0.19	0.06	0.44
P240913		1.5	39.6	170	2.1	74.5	<0.002	0.13	0.21	29.2	<1	0.4	84.9	0.07	0.05	0.17
P240914		2.0	35.0	410	2.0	38.6	<0.002	0.14	0.33	30.3	<1	0.6	54.5	0.12	<0.05	0.28
P240915		2.7	39.7	520	3.5	12.9	0.002	0.09	0.46	41.6	1	0.6	104.0	0.16	<0.05	0.36
P240916		1.6	44.2	150	2.2	77.3	0.002	0.03	0.24	31.0	1	0.5	69.1	0.07	<0.05	0.20
P240917		5.0	13.6	1140	4.1	11.0	<0.002	0.02	0.40	37.0	1	1.0	55.4	0.29	<0.05	0.64
P240918		3.1	30.5	540	3.9	28.5	0.002	0.48	0.50	40.7	2	0.7	94.2	0.18	<0.05	0.38
P240919		3.0	34.8	550	4.3	18.1	0.002	0.14	0.44	43.8	1	0.7	95.8	0.19	<0.05	0.39
P240920		3.1	30.5	540	3.8	35.8	0.002	0.23	0.42	43.9	1	0.6	78.0	0.18	<0.05	0.43
P240921		4.9	23.2	1010	5.0	5.5	0.002	0.36	0.39	37.5	1	1.1	67.5	0.28	<0.05	0.58
P240922		5.3	29.2	1220	4.3	27.2	0.003	0.36	0.38	39.5	1	1.1	49.8	0.33	<0.05	0.66
P240923		1.5	31.6	250	2.3	67.9	0.003	0.06	0.32	27.7	1	1.3	62.5	0.09	0.05	0.21
P240924		0.7	31.8	80	12.2	58.8	<0.002	0.05	0.20	23.2	3	1.1	52.7	<0.05	1.48	0.14
P240925		2.3	11.1	670	19.3	96.0	0.003	0.88	2.07	12.5	1	0.7	286	0.12	2.61	2.62
P240926		1.7	81.6	290	2.3	50.5	0.002	0.05	0.21	41.7	1	0.9	52.8	0.11	<0.05	0.29
P240927		5.3	30.4	1160	2.4	1.5	<0.002	0.05	0.44	40.3	<1	0.8	57.1	0.31	<0.05	0.69
P240928		3.9	23.2	930	3.2	11.7	<0.002	0.32	0.31	27.5	1	0.8	52.3	0.23	<0.05	0.46
P240929		0.4	8.1	70	3.3	8.0	<0.002	0.04	0.11	4.7	1	0.6	9.7	<0.05	<0.05	0.06
P240930		1.5	56.9	260	1.6	73.6	<0.002	0.08	0.26	40.0	1	0.4	62.2	0.09	<0.05	0.25
P240931		3.4	27.8	630	2.9	32.1	<0.002	0.17	0.45	38.6	<1	0.6	73.9	0.21	<0.05	0.42
P240932		4.2	16.6	790	2.4	41.3	0.002	0.41	0.42	30.6	<1	0.6	23.6	0.23	<0.05	0.51
P240933		2.9	34.7	490	2.3	53.2	<0.002	0.10	0.37	41.5	1	0.6	54.8	0.17	<0.05	0.35
P240934		3.4	29.8	540	3.1	38.8	0.002	0.26	0.41	41.5	1	0.7	67.3	0.19	<0.05	0.38
P240935		3.7	19.5	630	2.7	37.7	0.002	0.14	0.29	42.2	1	0.6	53.4	0.22	<0.05	0.48
P240936		3.3	17.5	620	1.8	32.0	0.003	0.13	0.12	40.3	1	0.5	72.0	0.19	<0.05	0.38
P240937		3.3	22.1	550	1.6	4.3	<0.002	0.02	0.19	42.2	1	0.7	138.5	0.19	<0.05	0.40
P240938		3.7	25.9	690	3.3	9.9	<0.002	0.02	0.32	46.8	1	0.7	115.5	0.22	<0.05	0.46
P240939		3.2	30.9	750	2.6	3.4	0.002	0.05	0.31	42.1	1	0.6	126.0	0.19	<0.05	0.38
P240940		2.5	30.2	510	1.7	62.4	<0.002	0.32	0.21	36.5	1	0.5	86.0	0.15	<0.05	0.30

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.1	1	0.1	0.1	2	0.5
P240901		0.863	0.04	0.2	177	5.5	23.3	92	92.9
P240902		0.175	0.05	<0.1	52	1.9	4.9	17	19.7
P240903		0.412	0.41	0.1	228	10.1	11.4	22	38.4
P240904		0.167	0.20	<0.1	118	5.4	6.3	14	16.9
P240905		0.408	0.31	0.1	271	7.0	15.6	53	49.4
P240906		0.763	0.21	0.1	231	16.6	16.9	60	57.9
P240907		0.418	0.03	0.1	143	2.3	12.3	84	34.7
P240908		0.372	0.06	0.1	249	1.0	8.0	83	34.7
P240909		0.693	0.04	0.1	120	2.1	22.3	130	81.1
P240910		0.382	0.24	0.1	238	2.1	9.6	65	38.2
P240911		0.148	0.11	<0.1	54	3.5	4.3	451	16.9
P240912		0.825	0.20	0.1	241	10.1	20.9	144	65.4
P240913		0.294	0.27	<0.1	180	8.1	10.5	30	28.4
P240914		0.683	0.14	0.1	286	9.7	14.9	61	49.1
P240915		0.920	0.05	0.1	377	1.8	27.0	113	49.1
P240916		0.307	0.25	<0.1	191	8.6	10.8	32	31.2
P240917		0.946	0.05	0.2	106	4.7	28.8	141	120.0
P240918		1.050	0.10	0.1	429	21.7	23.0	102	57.6
P240919		1.085	0.07	0.1	488	6.1	23.3	129	79.3
P240920		1.045	0.14	0.1	427	10.6	23.3	117	58.0
P240921		0.911	0.02	0.2	123	10.6	23.9	115	112.5
P240922		1.055	0.11	0.2	109	10.5	30.1	109	127.5
P240923		0.317	0.26	0.1	156	10.3	14.3	43	39.6
P240924		0.200	0.21	<0.1	137	3.6	12.1	28	22.0
P240925		0.282	0.92	0.7	106	3.0	10.3	92	68.7
P240926		0.420	0.24	0.1	261	2.8	14.0	66	38.6
P240927		0.975	<0.02	0.2	127	1.2	24.4	138	115.5
P240928		0.703	0.05	0.1	86	12.3	19.9	62	93.5
P240929		0.077	0.04	<0.1	28	1.2	2.7	21	9.0
P240930		0.351	0.25	0.1	235	3.7	11.2	50	40.5
P240931		0.915	0.11	0.1	300	8.1	27.6	93	68.3
P240932		0.825	0.14	0.1	196	23.3	21.4	76	84.6
P240933		0.926	0.18	0.1	353	12.7	25.2	91	60.8
P240934		0.972	0.13	0.1	375	14.1	34.8	101	68.3
P240935		1.060	0.14	0.1	375	11.1	26.7	119	90.4
P240936		1.015	0.14	0.1	375	21.2	13.9	110	71.1
P240937		1.135	0.02	0.1	436	0.4	17.0	142	52.9
P240938		1.165	0.04	0.1	415	0.8	31.8	155	65.8
P240939		1.005	0.02	0.1	389	0.6	23.5	137	55.9
P240940		0.754	0.20	0.1	265	18.4	21.2	103	55.9

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

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01	Au-ICP21 Au ppm 0.001	Au-GRA21 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1
P240941		3.25		92.6	0.009		0.04	6.36	30.2	440	1.36	0.01	5.85	0.17	11.60	37.7
P240942		2.10		91.0	0.004		0.04	6.66	43.7	420	1.01	0.01	5.62	0.10	9.32	39.9
P240943		2.65			0.032		0.06	5.85	14.5	400	1.49	0.01	4.51	0.20	12.85	41.6
P240944		2.29			0.010		0.04	5.26	18.1	380	1.12	0.01	4.57	0.14	11.05	39.1
P240945		2.22			0.001		0.02	6.14	15.8	180	0.51	0.01	4.34	0.11	8.98	40.4
P240946		1.38			0.003		0.03	6.39	3.7	40	0.40	0.01	4.72	0.12	10.60	41.2
P240947		3.22			<0.001		0.02	7.25	3.1	30	0.39	0.01	4.20	0.06	11.30	47.6
P240948		2.98			<0.001		0.02	7.21	5.7	30	0.38	0.01	6.08	0.08	10.75	43.0
P240949		2.09			0.001		0.02	6.83	8.1	110	0.72	0.02	4.27	0.04	14.35	42.6
P240950		0.07			9.29		9.61	5.38	13.7	370	0.96	0.08	4.43	0.30	25.0	11.8
P240951		2.58			0.010		0.04	6.77	9.5	150	1.19	0.03	4.52	0.09	14.65	46.7
P240952		1.75			0.001		0.02	6.53	6.6	30	1.24	0.03	4.55	0.09	14.75	46.5
P240953		2.15			<0.001		0.05	6.08	7.2	80	1.31	0.03	3.95	0.07	18.10	34.9
P240954		1.67			0.003		0.03	6.72	7.2	30	1.39	0.03	4.45	0.06	17.00	45.3
P240955		2.26			0.001		0.03	6.00	13.8	210	1.18	0.05	5.36	0.05	13.95	38.4
P240956		2.74			0.001		0.06	6.65	3.6	70	0.57	0.01	4.08	0.11	13.65	41.7
P240957		2.15			0.002		0.05	6.19	9.8	280	0.88	0.01	3.70	0.13	12.05	39.6
P240958		1.96			0.004		0.04	5.72	17.7	360	1.29	0.01	4.78	0.16	11.15	38.1
P240959		2.33			0.002		0.05	6.88	7.9	480	1.90	0.02	3.12	0.17	19.30	34.6
P240960		1.41			0.011		0.03	5.94	23.3	520	1.88	0.02	4.62	0.19	8.73	27.2
P240961		0.96			0.003		0.02	7.52	23.0	530	1.68	0.02	5.05	0.18	7.40	40.5
P240962		1.65			0.005		0.02	6.81	24.9	350	1.01	0.02	5.28	0.13	11.60	39.7
P240963		2.10			<0.001		0.04	6.35	4.8	40	0.41	0.01	4.03	0.13	11.20	39.9
P240964		2.12			0.007		0.03	6.23	5.7	100	0.67	0.04	2.83	0.15	20.9	36.8
P240965		2.08			0.002		0.07	6.39	8.6	120	1.25	0.19	3.01	0.08	27.4	28.9
P240966		1.56			0.002		0.01	0.83	1.4	30	0.17	0.04	0.33	0.06	1.95	3.0
P240967		2.09			0.300		0.14	5.81	9.6	410	1.67	0.07	1.97	0.07	15.85	22.8
P240968		1.94			0.004		0.02	6.21	6.1	20	0.72	0.03	3.60	0.02	25.2	31.8
P240969		2.55			0.002		0.02	7.06	2.6	10	0.29	0.02	4.50	0.05	5.39	47.7
P240970		2.81			0.002		0.01	7.08	4.6	50	0.32	0.02	4.22	0.04	5.63	41.7
P240971		3.32			0.002		0.01	6.89	19.2	210	0.61	0.02	3.77	0.07	7.34	38.3
P240972		2.07			0.024		0.03	6.19	8.1	250	1.46	0.03	2.93	0.08	21.4	29.8
P240973		2.74			0.001		0.02	6.33	7.4	20	0.88	0.03	3.65	0.07	19.45	31.2
P240974		2.25		89.5	0.001		0.02	6.42	10.2	20	1.29	0.05	3.68	0.07	22.6	32.5
P240975		0.07			9.24		9.65	5.47	13.3	370	0.97	0.08	4.53	0.27	24.0	10.8
P240976		2.07		86.8	0.012		0.04	6.69	14.0	250	1.67	0.03	4.28	0.05	22.8	31.4
P240977		2.04			1.745		0.12	4.53	5.5	150	0.86	0.12	2.38	0.12	12.50	18.5
P240978		2.18			0.026		0.07	6.45	6.2	20	0.70	0.03	2.93	0.38	22.2	33.3
P240979		2.95			0.004		0.04	6.05	4.7	20	0.65	0.02	3.05	0.27	20.0	29.9
P240980		2.68	74.4	91.9	0.442		0.04	6.02	3.4	20	0.54	0.01	2.99	0.14	19.10	28.6

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01
P240941		51	0.82	113.0	9.70	16.45	0.07	1.9	0.081	2.68	4.2	13.9	2.16	1830	0.57	0.07
P240942		78	0.73	127.0	9.85	16.00	0.08	1.6	0.079	2.44	3.4	14.7	2.27	1640	0.34	0.06
P240943		14	1.05	121.5	11.35	17.95	0.09	1.7	0.092	2.06	4.5	16.4	1.85	1940	0.96	0.48
P240944		18	0.78	99.5	9.89	16.45	0.09	1.7	0.084	1.78	4.0	14.4	1.79	1710	1.07	0.49
P240945		31	0.42	108.0	11.10	18.00	0.06	1.6	0.081	0.60	3.2	15.3	1.99	1920	0.39	2.04
P240946		53	0.15	107.0	10.75	17.15	0.07	1.6	0.082	0.09	3.8	20.3	2.61	1500	0.37	1.74
P240947		91	0.08	92.7	10.65	17.95	0.06	1.0	0.094	0.14	4.1	31.2	3.34	1640	0.29	1.94
P240948		92	0.12	91.5	10.30	19.30	0.06	1.2	0.076	0.13	4.0	22.8	2.74	1530	0.57	0.97
P240949		61	0.26	80.8	11.20	19.15	0.07	1.9	0.098	0.26	5.3	27.4	2.65	1260	0.26	1.50
P240950		19	4.47	63.7	3.16	11.70	0.09	1.7	0.041	1.74	11.7	45.7	1.13	824	5.11	1.36
P240951		46	0.34	94.9	10.95	17.75	0.07	2.1	0.107	0.34	5.4	21.8	2.42	1380	0.31	1.68
P240952		48	0.18	149.0	11.35	17.10	0.09	2.3	0.114	0.06	5.7	21.7	2.73	1330	0.24	1.70
P240953		40	0.27	162.5	9.11	16.85	0.07	1.6	0.091	0.17	7.2	19.5	2.01	1200	1.03	2.04
P240954		34	0.22	211	11.00	19.10	0.06	1.8	0.102	0.07	6.7	24.6	2.82	1270	0.27	1.88
P240955		40	0.46	252	9.27	18.40	0.06	1.6	0.098	0.74	5.9	22.5	1.85	1310	0.53	1.09
P240956		39	0.28	93.8	11.20	18.50	0.08	2.0	0.096	0.21	5.0	20.0	2.33	1600	0.33	2.29
P240957		37	1.03	101.0	10.50	16.95	0.07	1.9	0.091	1.35	4.5	19.2	2.00	1680	0.53	1.21
P240958		45	1.16	112.5	10.35	16.45	0.08	1.6	0.090	2.03	4.1	18.7	1.96	1860	0.93	0.41
P240959		19	1.75	83.1	11.25	22.8	0.10	3.7	0.108	2.46	7.2	24.0	1.74	1650	0.98	0.35
P240960		57	1.17	62.1	7.12	18.30	0.08	1.7	0.088	2.77	3.3	15.1	1.24	1820	0.95	0.05
P240961		86	1.27	58.0	10.05	20.3	0.08	2.0	0.091	2.72	2.7	25.7	1.99	1820	0.48	0.05
P240962		76	0.60	94.5	10.15	17.65	0.08	2.0	0.077	1.31	4.4	31.1	2.58	1500	0.35	0.30
P240963		38	0.23	112.5	10.80	18.25	0.06	1.7	0.072	0.18	4.2	13.9	2.50	1680	0.30	2.85
P240964		23	0.15	161.0	10.25	18.90	0.10	2.9	0.179	0.45	8.4	20.9	1.47	1780	1.11	1.98
P240965		12	0.26	173.0	10.00	20.9	0.08	3.1	0.171	0.02	11.3	20.8	1.55	1270	0.58	2.32
P240966		44	0.11	29.7	1.49	2.68	<0.05	0.4	0.021	0.08	0.8	3.6	0.13	268	2.29	0.30
P240967		31	0.86	162.5	8.43	18.90	0.07	3.1	0.124	1.56	5.9	25.4	1.19	1040	1.72	0.35
P240968		15	0.26	64.7	9.91	18.50	0.08	2.8	0.121	0.06	9.3	22.4	1.61	1220	0.55	2.07
P240969		195	0.26	117.0	9.65	14.35	0.05	1.1	0.055	0.05	2.1	33.9	3.82	1240	0.19	1.86
P240970		205	0.27	102.5	8.86	13.90	0.06	0.8	0.055	0.31	2.3	27.3	3.59	1660	0.34	2.15
P240971		203	0.48	92.1	8.52	15.30	0.07	1.1	0.064	1.55	3.1	23.5	2.55	2410	0.70	1.39
P240972		25	0.67	105.0	10.75	20.6	0.09	2.9	0.126	0.85	7.8	29.5	1.41	1550	1.37	1.18
P240973		14	0.16	112.5	10.35	20.5	0.06	2.9	0.109	0.02	7.8	19.1	1.85	1340	0.38	2.02
P240974		15	0.09	68.2	10.90	21.3	0.08	2.9	0.115	0.03	9.0	20.7	1.75	1190	0.36	1.97
P240975		20	4.38	61.8	3.21	11.55	0.08	1.8	0.040	1.76	11.5	44.9	1.15	839	5.02	1.38
P240976		17	0.53	103.0	10.60	21.6	0.08	3.2	0.154	0.85	8.8	27.2	1.54	1310	0.43	1.12
P240977		24	0.66	86.3	7.72	14.40	0.07	2.3	0.077	0.50	4.7	27.7	0.99	977	1.26	0.96
P240978		12	0.09	60.1	11.35	21.1	0.09	2.1	0.110	0.05	8.6	16.4	1.56	2220	0.68	2.75
P240979		12	0.08	53.4	10.45	19.95	0.08	2.0	0.120	0.08	7.7	14.0	1.53	2150	0.65	2.70
P240980		14	0.10	43.2	10.20	19.15	0.07	2.2	0.106	0.07	7.5	12.8	1.52	2020	0.77	2.86

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
P240941		2.9	27.8	560	1.6	76.7	<0.002	0.33	0.19	36.8	1	0.7	99.3	0.18	<0.05	0.37
P240942		2.5	37.0	460	0.8	67.0	0.002	0.09	0.11	38.7	1	0.5	77.0	0.14	<0.05	0.32
P240943		3.1	26.2	600	1.7	62.1	0.002	0.28	0.17	39.3	1	0.7	85.4	0.17	<0.05	0.34
P240944		3.2	25.1	510	1.4	56.7	0.002	0.22	0.18	35.6	1	0.8	86.2	0.16	<0.05	0.31
P240945		2.4	29.5	580	1.1	22.0	<0.002	0.04	0.25	37.2	1	0.7	92.1	0.15	<0.05	0.32
P240946		2.9	31.1	510	1.3	2.9	<0.002	0.04	0.11	39.0	1	0.7	80.3	0.17	<0.05	0.34
P240947		3.1	43.7	540	0.9	1.3	<0.002	0.04	0.28	44.5	1	0.6	138.5	0.18	<0.05	0.34
P240948		2.6	40.0	480	1.5	3.4	<0.002	0.05	0.46	41.2	1	0.5	336	0.17	<0.05	0.33
P240949		3.1	33.4	580	1.8	7.7	<0.002	0.03	0.31	40.6	<1	0.8	49.4	0.19	<0.05	0.41
P240950		2.4	11.2	650	16.4	69.1	0.003	0.42	2.12	13.0	1	0.7	335	0.13	4.43	2.70
P240951		3.4	30.7	660	3.1	10.9	<0.002	0.13	0.47	41.2	1	0.8	85.3	0.20	<0.05	0.42
P240952		3.6	35.1	690	3.3	2.7	<0.002	0.03	0.50	40.8	1	0.6	102.5	0.22	<0.05	0.43
P240953		2.8	28.7	520	4.9	6.4	<0.002	0.03	0.74	33.0	<1	0.8	92.8	0.17	<0.05	0.34
P240954		3.0	34.5	580	3.2	2.8	<0.002	0.09	0.49	41.6	1	0.6	71.5	0.20	<0.05	0.38
P240955		2.7	28.1	490	2.4	22.5	<0.002	0.06	0.34	34.3	1	0.7	56.2	0.18	<0.05	0.34
P240956		3.2	27.8	650	2.6	8.1	<0.002	0.07	0.15	40.8	1	0.7	98.1	0.20	<0.05	0.40
P240957		2.8	26.1	540	1.6	40.8	<0.002	0.13	0.14	37.8	1	0.7	61.6	0.18	<0.05	0.34
P240958		2.8	27.0	500	1.6	61.6	0.002	0.08	0.16	37.0	1	0.6	83.7	0.17	<0.05	0.31
P240959		4.8	12.8	900	2.1	77.0	<0.002	0.20	0.18	36.7	1	0.9	53.0	0.30	<0.05	0.65
P240960		2.7	19.9	650	1.9	83.3	<0.002	0.07	0.18	30.3	1	0.8	66.2	0.16	<0.05	0.30
P240961		3.0	36.5	540	2.0	76.9	<0.002	0.09	0.15	40.8	1	0.6	63.7	0.19	<0.05	0.36
P240962		2.7	36.1	500	1.8	38.6	<0.002	0.06	0.19	38.2	1	0.7	61.3	0.17	<0.05	0.33
P240963		2.9	29.9	630	1.8	5.4	0.003	0.06	0.20	38.8	1	0.6	137.0	0.19	<0.05	0.35
P240964		5.0	18.6	960	3.2	10.6	0.003	0.19	0.36	29.0	2	1.4	42.5	0.36	<0.05	1.44
P240965		5.3	10.7	1210	4.2	0.6	<0.002	0.27	0.52	35.5	1	1.1	42.0	0.34	<0.05	0.72
P240966		0.6	2.2	130	1.9	2.6	<0.002	0.04	0.12	3.7	<1	0.3	7.5	<0.05	<0.05	0.08
P240967		4.7	9.4	900	4.7	46.1	<0.002	0.50	0.52	30.0	1	1.1	24.5	0.28	0.05	0.55
P240968		5.0	16.3	1130	2.8	2.1	<0.002	0.06	0.45	36.7	<1	1.2	41.1	0.31	<0.05	0.59
P240969		1.8	88.5	280	1.0	1.7	<0.002	0.08	0.14	40.4	1	0.4	57.5	0.11	<0.05	0.26
P240970		1.7	80.3	280	0.9	8.9	0.002	0.10	0.20	41.0	1	0.4	60.5	0.11	<0.05	0.25
P240971		1.6	71.8	320	1.2	45.0	<0.002	0.06	0.25	39.4	1	0.5	49.1	0.11	<0.05	0.28
P240972		5.3	13.5	1140	2.9	26.9	<0.002	0.20	0.44	34.7	1	1.4	40.2	0.33	<0.05	0.67
P240973		5.1	12.0	1090	2.6	0.4	<0.002	0.08	0.41	35.4	1	0.9	66.4	0.32	<0.05	0.62
P240974		4.9	11.7	1090	4.3	0.5	<0.002	0.10	0.46	35.1	1	1.1	66.0	0.31	<0.05	0.63
P240975		2.3	10.6	660	16.7	65.6	0.002	0.43	2.10	12.3	1	0.7	342	0.13	4.36	2.65
P240976		5.0	12.2	1110	4.5	22.7	<0.002	0.11	0.43	36.8	1	0.9	51.7	0.32	<0.05	0.64
P240977		3.5	7.6	810	8.5	15.6	<0.002	0.34	0.33	24.7	1	1.0	27.1	0.23	0.09	0.44
P240978		4.9	9.8	1180	7.7	0.8	<0.002	0.63	0.41	35.3	1	1.1	55.1	0.32	<0.05	0.57
P240979		4.8	9.3	1130	5.0	1.4	<0.002	0.71	0.29	34.4	2	1.0	62.6	0.30	<0.05	0.55
P240980		4.6	9.3	1080	3.4	1.4	<0.002	0.54	0.23	33.2	1	1.1	64.7	0.29	<0.05	0.51

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

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www.alsglobal.com/geochemistry

To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.1	1	0.1	0.1	2	0.5
P240941		0.731	0.25	0.1	249	22.0	18.5	86	70.9
P240942		0.727	0.23	0.1	281	12.2	12.0	102	62.7
P240943		0.978	0.22	0.1	401	40.5	14.9	92	69.3
P240944		0.862	0.19	0.1	358	23.6	12.8	88	61.2
P240945		0.710	0.08	0.1	367	8.3	13.7	117	54.6
P240946		0.908	0.02	0.1	326	4.2	19.2	126	61.8
P240947		0.890	0.02	0.1	289	0.3	26.2	147	29.4
P240948		0.805	0.02	0.1	277	0.2	24.0	119	48.1
P240949		0.832	0.03	0.1	289	2.7	25.0	126	65.9
P240950		0.278	0.59	0.7	102	1.7	10.9	69	69.0
P240951		0.925	0.04	0.1	288	7.1	28.9	135	72.3
P240952		0.905	0.02	0.1	276	1.0	32.5	144	80.6
P240953		0.768	0.03	0.1	275	1.6	23.0	107	52.3
P240954		0.983	0.02	0.1	379	1.6	23.3	135	58.4
P240955		0.827	0.09	0.1	308	1.7	22.3	114	47.7
P240956		0.850	0.03	0.1	300	1.6	18.9	138	70.9
P240957		0.794	0.18	0.1	297	6.0	11.0	118	61.5
P240958		0.853	0.23	0.1	283	13.7	13.2	101	58.8
P240959		0.867	0.31	0.2	206	27.3	18.2	110	124.5
P240960		0.649	0.28	0.1	208	13.6	12.6	69	60.9
P240961		0.819	0.27	0.1	289	17.6	14.2	108	68.4
P240962		0.787	0.13	0.1	269	8.1	19.9	119	60.3
P240963		0.874	0.03	0.1	339	3.4	13.3	121	60.3
P240964		0.755	0.08	0.3	92	2.6	23.4	173	103.5
P240965		1.005	<0.02	0.2	95	1.3	32.2	162	111.5
P240966		0.113	0.02	<0.1	17	0.7	3.0	17	13.1
P240967		0.849	0.17	0.1	93	14.4	18.4	108	100.5
P240968		0.967	<0.02	0.2	100	2.9	23.9	118	103.5
P240969		0.428	<0.02	0.1	254	0.5	7.1	84	30.8
P240970		0.414	0.05	0.1	254	2.1	7.9	78	27.9
P240971		0.378	0.19	0.1	241	4.0	10.0	84	53.7
P240972		0.968	0.10	0.2	98	6.8	22.3	104	102.0
P240973		0.983	<0.02	0.2	114	0.3	26.6	138	101.0
P240974		0.948	<0.02	0.2	115	0.5	34.8	143	106.5
P240975		0.283	0.54	0.7	104	2.3	10.3	72	67.2
P240976		0.996	0.08	0.2	120	3.8	34.5	122	110.5
P240977		0.662	0.07	0.1	76	5.6	14.9	92	77.8
P240978		0.935	0.03	0.1	97	1.0	27.1	164	75.0
P240979		0.898	0.04	0.1	92	0.8	21.6	146	72.2
P240980		0.887	0.03	0.1	92	1.8	17.3	127	75.6

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01	Au-ICP21 Au ppm 0.001	Au-GRA21 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1
P240981		2.73		94.9	0.014		0.02	6.00	3.2	20	0.60	0.01	3.28	0.08	19.05	26.4
P240982		2.47			0.001		0.03	6.08	4.2	20	0.64	0.01	3.22	0.15	19.85	31.0
P240983		1.94			0.002		0.03	6.12	33.4	320	0.90	0.01	5.17	0.08	7.16	36.4
P240984		2.51			0.002		0.02	6.52	7.6	130	0.27	0.01	5.38	0.07	6.02	37.7
P240985		1.49			0.015		0.03	6.42	25.0	210	0.59	0.02	5.70	0.08	5.77	37.4
P240986		1.76			0.004		0.02	6.44	5.9	90	0.29	0.01	5.15	0.06	6.06	36.9
P240987		1.28			0.006		0.02	6.64	7.7	230	0.75	0.01	4.96	0.09	7.61	42.3
P240988		1.32			0.002		0.02	6.33	5.4	130	0.59	0.03	4.58	0.07	9.24	39.3
P240989		2.31			2.13		1.27	3.55	12.3	200	0.72	1.88	1.84	0.24	9.86	17.3
P240990		3.12			0.015		0.07	6.52	4.7	20	0.61	0.08	2.32	0.09	21.7	33.3
P240991		3.24			0.001		0.02	6.40	4.4	10	0.55	0.03	2.79	0.08	20.7	32.5
P240992		1.65			0.002		0.04	6.42	10.0	40	0.67	0.04	2.66	0.14	25.4	35.0
P240993		1.79			0.088		0.05	6.43	14.4	320	1.42	0.02	3.15	0.16	21.0	31.8
P240994		1.88			0.032		0.04	6.36	25.2	280	1.13	0.02	3.72	0.13	16.10	37.2
P240995		1.68	73.5		0.002		0.02	6.01	6.2	80	0.81	0.02	3.51	0.08	19.45	32.5
P240996		2.09			0.085		0.05	6.15	31.0	300	1.04	0.05	4.36	0.11	13.55	39.7
P240997		1.93			0.003		0.03	6.48	39.1	250	0.79	0.01	4.80	0.10	6.62	40.8
P240998		2.15			0.002		0.02	6.57	41.9	280	0.85	0.01	5.77	0.08	7.37	41.9
P240999		2.52			0.001		0.02	6.37	5.3	290	1.24	0.02	4.49	0.07	20.6	32.6
P241000		0.07			0.743		0.12	7.10	440	540	1.48	0.37	4.03	0.09	55.1	32.4
L785701		3.00		92.0	0.001		0.04	6.52	18.2	140	0.71	0.01	3.43	0.09	21.2	33.3
L785702		1.43		88.4	0.752		0.49	5.45	8.2	200	0.84	0.21	2.97	0.18	17.10	25.0
L785703		1.41			2.83		0.67	5.17	21.9	280	1.13	0.16	2.99	0.21	10.35	28.3
L785704		2.12			0.003		0.03	6.19	8.6	100	0.89	0.01	3.55	0.07	23.5	30.3
L785705		2.68			0.040		0.04	6.40	6.4	50	0.61	0.02	3.19	0.09	22.0	34.4
L785706		1.78			0.059		0.03	5.84	4.9	30	0.53	0.02	2.89	0.13	20.6	31.5
L785707		1.74			0.001		0.03	6.49	6.1	30	0.57	0.02	2.83	0.12	23.3	38.3
L785708		2.64			0.016		0.02	6.55	4.8	30	0.47	0.01	2.95	0.15	21.8	33.7
L785709		2.43			<0.001		0.02	6.44	21.1	80	0.73	0.01	3.85	0.08	20.9	33.3
L785710		2.67			0.005		0.04	6.62	21.9	200	1.26	0.02	2.57	0.09	21.7	34.5
L785711		3.39			0.002		0.02	7.12	15.8	310	1.44	0.01	3.30	0.07	21.4	32.6
L785712		2.34			0.012		0.04	6.39	6.5	250	1.09	0.01	4.17	0.08	17.60	29.4
L785713		2.15			0.010		0.02	6.49	4.3	20	0.56	0.01	4.52	0.04	21.4	32.4
L785714		3.13			0.186		0.05	6.52	7.1	20	0.67	0.02	3.54	0.04	21.9	35.3
L785715		3.00			4.83		0.23	5.81	12.4	20	0.56	0.03	2.60	0.03	17.05	36.2
L785716		2.27			0.029		0.02	6.17	4.3	120	0.92	0.01	4.05	0.03	19.20	31.9
L785717		4.24			3.92		0.11	6.21	4.8	180	1.05	0.02	3.12	0.04	19.10	34.2
L785718		2.88			0.003		0.02	6.46	6.4	60	0.76	0.02	2.61	0.07	22.1	34.0
L785719		4.40		84.6	0.002		0.01	6.36	6.8	150	1.37	0.03	4.18	0.07	22.6	33.6
L785720		2.35	81.5	86.1	0.133		0.10	6.59	11.8	250	1.09	0.04	4.68	0.08	20.4	34.5

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

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01
P240981		10	0.07	50.9	9.70	19.70	0.07	2.6	0.115	0.04	7.3	10.5	1.51	1940	0.54	3.09
P240982		11	0.09	46.3	10.45	19.85	0.08	2.1	0.120	0.04	7.3	12.6	1.59	2040	0.45	2.86
P240983		166	0.55	119.5	7.97	12.90	0.07	1.3	0.063	1.89	2.8	21.1	2.83	1910	0.29	0.66
P240984		207	0.42	96.0	8.05	12.15	0.06	1.0	0.053	1.77	2.7	28.3	3.38	1740	0.20	0.51
P240985		177	0.93	111.5	7.79	12.95	0.07	1.1	0.054	2.07	2.3	24.4	3.19	1700	0.34	0.53
P240986		186	0.39	99.6	7.87	12.50	0.06	1.0	0.050	1.43	2.6	27.6	3.38	1720	0.20	1.01
P240987		193	0.56	89.2	8.29	13.50	0.07	1.2	0.060	1.96	3.0	26.3	3.27	1820	0.26	0.60
P240988		118	0.36	94.2	8.77	14.65	0.07	1.6	0.076	0.98	3.5	22.6	2.52	1840	0.22	1.60
P240989		37	0.64	159.5	6.41	11.05	0.08	1.8	0.108	0.88	4.0	19.3	0.75	1040	1.72	0.19
P240990		12	0.06	57.7	10.90	20.3	0.08	2.0	0.126	0.06	8.7	16.8	1.68	1860	0.65	2.87
P240991		13	0.06	54.2	11.20	21.5	0.07	2.6	0.112	0.05	8.0	18.0	1.97	1900	0.40	2.53
P240992		10	0.08	50.7	10.70	21.0	0.08	1.6	0.121	0.16	10.5	22.5	1.71	1780	0.50	2.24
P240993		12	0.87	46.9	10.55	20.9	0.08	2.6	0.124	1.49	7.9	25.9	1.48	2070	0.57	0.85
P240994		87	1.12	143.0	9.46	16.45	0.08	2.0	0.090	1.93	6.2	24.4	1.89	2010	0.49	0.48
P240995		14	0.44	51.8	10.20	19.35	0.08	2.6	0.102	0.53	7.3	18.6	1.65	2140	0.47	1.92
P240996		103	1.13	115.5	9.01	17.25	0.08	2.2	0.090	1.99	5.6	21.9	1.92	2180	1.18	0.52
P240997		197	0.99	123.5	7.65	13.40	0.07	1.1	0.059	2.58	3.1	21.7	2.58	1820	0.44	0.08
P240998		200	0.78	109.5	7.43	13.25	0.06	1.2	0.057	2.75	3.2	16.9	2.93	1740	0.78	0.13
P240999		17	0.86	45.6	10.90	20.7	0.09	2.9	0.114	1.48	7.7	24.3	1.69	2010	0.69	0.69
P241000		163	5.09	64.3	7.43	18.25	0.10	3.4	0.066	1.37	29.3	22.6	2.95	1650	3.09	1.55
L785701		20	0.38	67.8	11.10	21.4	0.09	2.8	0.118	1.26	8.2	19.9	1.64	1820	0.60	0.68
L785702		23	0.62	97.2	9.57	17.55	0.08	2.6	0.106	0.95	6.7	27.9	1.33	1430	0.95	0.50
L785703		26	1.22	98.3	8.93	17.20	0.08	2.4	0.099	1.70	4.1	27.4	1.07	1820	1.22	0.07
L785704		19	0.43	77.2	10.75	19.15	0.08	2.7	0.114	0.92	9.1	21.6	1.49	1820	0.49	1.19
L785705		19	0.15	59.5	10.60	19.85	0.08	2.9	0.115	0.30	8.7	17.9	1.45	1900	0.56	2.36
L785706		23	0.14	52.7	9.44	18.65	0.09	2.1	0.093	0.07	8.5	10.9	1.40	2000	0.74	2.74
L785707		20	0.12	37.7	10.65	21.6	0.08	2.6	0.108	0.08	9.7	13.3	1.53	2250	0.61	2.96
L785708		20	0.11	55.0	10.95	21.1	0.08	2.7	0.101	0.08	8.9	14.3	1.48	2130	0.61	2.89
L785709		21	0.17	52.1	10.85	20.2	0.07	2.5	0.124	0.40	8.1	19.3	1.55	1730	0.52	1.88
L785710		25	0.51	79.2	10.65	20.5	0.09	2.9	0.123	1.79	8.9	16.9	1.32	2040	1.00	0.40
L785711		23	0.80	72.9	11.15	21.8	0.10	3.4	0.123	2.09	8.5	23.7	1.71	1740	0.66	0.07
L785712		21	0.43	53.5	10.10	21.0	0.08	2.9	0.120	1.39	7.7	19.3	1.48	1920	0.62	0.79
L785713		18	0.10	54.8	11.00	19.55	0.07	3.0	0.103	0.07	8.2	25.0	1.62	1210	0.44	1.86
L785714		20	0.13	47.3	11.50	19.80	0.07	2.6	0.097	0.03	8.1	26.3	1.81	1040	0.51	1.77
L785715		23	0.10	85.4	9.97	16.80	0.08	2.3	0.077	0.04	7.1	23.8	1.54	990	0.79	1.75
L785716		19	0.33	71.6	10.90	20.6	0.08	2.9	0.105	0.49	7.7	25.7	1.63	1120	0.54	1.01
L785717		20	0.41	55.6	10.75	19.35	0.07	2.8	0.108	0.75	7.7	26.5	1.70	1130	0.50	0.71
L785718		19	0.18	75.9	10.90	20.6	0.07	2.6	0.110	0.29	9.1	20.2	1.53	1350	0.48	1.91
L785719		18	0.40	107.0	10.15	19.50	0.09	2.7	0.121	0.94	9.0	18.6	1.45	1670	0.49	1.31
L785720		28	0.93	60.9	10.75	20.3	0.08	2.8	0.118	1.56	7.8	28.4	1.43	1300	0.48	0.20

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UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
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CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
P240981		4.7	8.7	1080	2.8	0.6	<0.002	0.25	0.20	32.4	1	1.1	82.0	0.30	<0.05	0.54
P240982		4.7	9.2	1100	3.5	0.7	<0.002	0.57	0.33	33.5	1	1.0	74.4	0.30	<0.05	0.53
P240983		2.0	65.8	320	1.5	60.0	<0.002	0.05	0.22	38.0	<1	0.5	68.9	0.12	<0.05	0.27
P240984		1.3	78.9	240	1.4	48.5	<0.002	0.06	0.15	38.7	1	0.3	49.6	0.08	<0.05	0.24
P240985		1.4	65.4	240	1.9	64.1	<0.002	0.10	0.29	37.8	1	0.4	69.9	0.09	<0.05	0.22
P240986		1.3	76.6	250	1.8	40.1	<0.002	0.06	0.16	37.2	1	0.4	54.2	0.08	<0.05	0.23
P240987		1.6	86.2	360	1.9	59.1	<0.002	0.01	0.17	40.4	<1	0.5	65.3	0.10	<0.05	0.25
P240988		2.7	52.7	570	2.1	30.3	<0.002	0.11	0.26	35.9	1	0.6	61.5	0.17	<0.05	0.37
P240989		2.5	8.7	610	51.4	30.2	<0.002	0.36	0.37	21.0	4	0.7	22.7	0.16	1.70	0.35
P240990		4.7	10.8	1110	3.7	1.1	<0.002	0.85	0.22	35.1	2	1.9	72.3	0.30	0.05	0.64
P240991		4.7	12.5	1100	2.8	0.8	<0.002	0.34	0.22	37.6	<1	0.9	76.3	0.29	<0.05	0.60
P240992		4.7	11.1	1190	4.5	3.6	<0.002	0.40	0.36	36.0	1	1.2	57.7	0.29	<0.05	0.58
P240993		4.9	15.4	1140	3.9	46.5	<0.002	0.28	0.39	36.3	1	1.4	48.9	0.30	<0.05	0.64
P240994		3.5	41.7	800	3.2	63.2	<0.002	0.11	0.36	37.4	1	1.0	51.6	0.21	<0.05	0.45
P240995		4.4	15.2	1060	3.6	14.7	<0.002	0.16	0.33	34.0	1	0.7	75.2	0.27	<0.05	0.58
P240996		3.3	32.3	610	3.7	64.6	<0.002	0.39	0.39	36.2	1	0.7	63.8	0.20	<0.05	0.47
P240997		1.5	78.0	220	2.1	81.1	<0.002	0.04	0.32	40.1	1	0.4	70.0	0.09	<0.05	0.24
P240998		1.5	72.6	210	2.1	81.9	0.002	0.07	0.26	39.3	<1	0.4	80.6	0.10	<0.05	0.24
P240999		4.6	12.5	1100	3.1	43.6	<0.002	0.17	0.32	36.1	1	0.9	59.7	0.28	<0.05	0.61
P241000		16.6	111.0	1440	10.8	70.7	<0.002	0.61	0.81	17.2	1	2.4	289	1.08	0.07	7.76
L785701		4.5	14.2	1090	3.2	30.7	<0.002	0.07	0.27	36.8	1	1.0	45.0	0.29	<0.05	0.61
L785702		4.0	11.7	910	32.9	28.1	<0.002	0.13	0.31	31.7	1	1.3	34.7	0.26	0.19	0.53
L785703		4.0	10.8	900	23.0	50.6	<0.002	0.60	0.43	29.8	1	0.8	31.6	0.24	0.29	0.50
L785704		4.6	14.5	1030	3.8	24.4	0.002	0.09	0.33	35.2	1	1.7	54.3	0.29	<0.05	0.59
L785705		4.6	14.7	1070	3.4	7.5	<0.002	0.23	0.29	35.9	<1	2.0	88.6	0.30	<0.05	0.62
L785706		4.2	12.3	990	3.3	1.5	<0.002	0.18	0.26	32.9	1	0.9	124.5	0.26	<0.05	0.54
L785707		4.7	13.3	1100	3.6	1.7	<0.002	0.38	0.28	37.2	<1	0.7	118.0	0.28	<0.05	0.62
L785708		4.5	13.2	1130	3.2	1.4	<0.002	0.14	0.22	36.9	1	0.9	107.0	0.30	<0.05	0.60
L785709		4.4	13.6	1030	3.1	9.4	<0.002	0.08	0.35	36.2	1	0.9	57.4	0.27	<0.05	0.57
L785710		4.5	13.5	1090	3.8	43.1	<0.002	0.14	0.42	37.3	1	1.1	40.4	0.29	<0.05	0.62
L785711		4.9	14.8	1100	3.3	53.1	<0.002	0.14	0.34	38.8	1	0.9	39.2	0.31	<0.05	0.66
L785712		4.5	11.7	1110	2.4	38.0	<0.002	0.19	0.18	35.3	1	0.7	58.9	0.28	<0.05	0.60
L785713		4.6	13.0	1070	3.8	1.6	<0.002	0.12	0.26	35.2	<1	0.7	76.1	0.29	<0.05	0.59
L785714		4.7	13.0	1090	5.3	0.7	<0.002	0.33	0.47	36.0	1	0.7	60.1	0.29	<0.05	0.61
L785715		3.9	10.5	990	5.2	0.9	<0.002	0.71	0.48	31.7	1	0.6	51.2	0.24	0.06	0.58
L785716		4.3	12.1	1060	3.7	12.6	<0.002	0.12	0.33	33.8	1	0.6	43.7	0.28	<0.05	0.59
L785717		4.5	12.3	1050	3.7	22.0	<0.002	0.17	0.36	35.4	1	1.0	38.1	0.27	<0.05	0.60
L785718		4.6	13.1	1120	4.5	7.9	<0.002	0.13	0.38	36.1	1	2.0	64.0	0.30	<0.05	0.64
L785719		4.5	13.7	1070	3.4	28.2	<0.002	0.11	0.41	35.6	<1	0.9	58.2	0.28	<0.05	0.59
L785720		4.3	19.6	1010	5.0	40.7	<0.002	0.37	0.42	34.4	1	2.5	45.6	0.27	<0.05	0.58

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

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.1	1	0.1	0.1	2	0.5
P240981		0.897	<0.02	0.1	87	0.7	20.3	109	90.2
P240982		0.925	<0.02	0.1	91	0.4	21.8	133	83.3
P240983		0.439	0.23	0.1	208	4.0	10.1	76	45.3
P240984		0.317	0.18	0.1	228	0.7	6.3	74	35.3
P240985		0.332	0.24	0.1	227	2.4	8.8	63	38.3
P240986		0.335	0.15	0.1	226	0.8	6.2	72	31.6
P240987		0.380	0.21	0.1	233	3.2	8.8	98	39.2
P240988		0.577	0.11	0.1	179	1.2	13.5	97	61.4
P240989		0.513	0.14	0.1	68	7.4	15.5	70	59.2
P240990		0.896	0.04	0.1	97	0.4	16.9	143	69.6
P240991		0.920	0.02	0.1	117	0.4	23.4	141	96.7
P240992		0.909	0.03	0.1	96	1.3	32.0	161	60.1
P240993		0.947	0.19	0.2	100	14.1	24.0	123	95.0
P240994		0.672	0.25	0.1	149	7.5	16.4	99	71.0
P240995		0.856	0.06	0.1	106	2.4	26.0	108	93.7
P240996		0.612	0.25	0.1	162	10.0	17.3	75	79.5
P240997		0.332	0.29	0.1	232	4.6	10.6	58	41.6
P240998		0.393	0.31	0.1	235	5.7	10.6	60	40.2
P240999		0.888	0.17	0.2	112	10.6	29.1	101	104.5
P241000		0.757	0.34	1.6	135	1.7	25.4	119	128.0
L785701		0.900	0.12	0.1	119	1.6	28.9	141	105.5
L785702		0.831	0.11	0.1	102	3.8	24.7	111	96.0
L785703		0.770	0.19	0.1	98	11.5	18.4	67	94.2
L785704		0.907	0.09	0.2	113	3.4	32.6	115	96.1
L785705		0.908	0.04	0.2	117	1.6	30.4	125	100.0
L785706		0.840	<0.02	0.1	107	0.9	26.6	111	78.8
L785707		0.940	0.02	0.2	118	1.5	29.4	119	87.4
L785708		0.886	<0.02	0.2	117	0.8	27.0	125	88.8
L785709		0.896	0.05	0.1	120	0.9	35.8	139	93.4
L785710		0.929	0.16	0.2	129	5.4	36.2	119	100.5
L785711		0.979	0.20	0.2	132	7.7	30.6	120	122.5
L785712		0.904	0.15	0.1	112	5.4	26.1	109	98.7
L785713		0.956	<0.02	0.1	117	1.7	31.8	128	94.3
L785714		0.962	<0.02	0.2	118	2.4	31.5	149	88.9
L785715		0.770	<0.02	0.1	99	2.0	25.9	146	79.8
L785716		0.881	0.06	0.1	110	2.5	29.0	118	99.9
L785717		0.885	0.07	0.1	115	4.0	28.6	139	98.0
L785718		0.915	0.03	0.1	114	2.1	33.2	144	90.8
L785719		0.957	0.10	0.2	116	5.8	30.4	117	93.2
L785720		0.899	0.16	0.1	126	10.4	31.0	110	97.6

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01	Au-ICP21 Au ppm 0.001	Au-GRA21 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1
L785721		2.60		87.0	0.190		0.06	6.38	21.1	360	1.44	0.05	4.07	0.06	21.7	29.5
L785722		2.40		85.3	0.230		0.03	2.38	7.5	150	0.56	0.03	2.26	0.05	13.60	10.8
L785723		1.85			0.192		0.24	3.07	7.6	260	0.82	0.10	1.51	0.12	11.35	9.7
L785724		2.87			0.945		0.22	1.21	3.0	110	0.29	0.03	0.50	0.06	3.06	4.7
L785725		0.11			<0.001		0.01	0.04	0.6	<10	<0.05	<0.01	0.01	<0.02	2.46	0.1
L785726		2.30			0.662		0.06	1.11	2.1	80	0.25	0.01	0.58	0.07	2.65	4.3
L785727		2.72			0.121		0.07	7.18	9.2	310	1.36	0.02	3.40	0.14	24.1	35.4
L785728		2.39			0.066		0.10	6.75	5.4	250	1.22	0.01	2.95	0.07	22.0	32.8
L785729		3.77			0.031		0.04	6.09	6.8	290	1.59	0.06	4.72	0.08	19.30	29.0
L785730		2.70			0.066		0.03	6.38	7.0	260	1.51	0.05	4.11	0.07	16.25	30.9
L785731		2.47			3.49		0.13	6.40	20.3	230	1.39	0.32	3.23	0.06	16.95	31.1
L785732		3.87			0.043		0.04	6.35	11.9	330	1.30	0.01	3.46	0.13	11.65	33.7
L785733		2.61			0.223		0.03	2.20	7.1	340	0.61	0.02	3.76	0.18	8.19	8.5
L785734		2.35			0.057		0.06	6.35	7.6	390	1.19	0.02	6.15	0.08	15.60	24.4
L785735		2.57			1.150		0.14	6.09	8.0	180	0.91	0.05	5.79	0.14	13.20	46.0
L785736		1.99			0.448		0.05	6.69	4.9	60	0.68	0.03	4.25	0.06	19.75	34.3
L785737		2.36			0.377		0.02	6.76	9.2	20	0.60	0.01	3.47	0.04	20.8	36.4
L785738		2.33			0.009		0.01	6.56	11.8	20	0.60	0.01	4.37	0.05	21.9	33.6
L785739		2.47			0.006		0.03	6.40	8.3	20	0.49	0.01	4.17	0.10	20.1	33.1
L785740		3.12			0.002		0.02	6.84	3.3	70	0.56	0.01	4.28	0.07	13.80	39.7
L785741		3.77			0.002		0.03	6.87	3.1	10	0.29	0.01	4.76	0.05	6.23	43.9
L785742		3.33			0.002		0.03	6.63	4.0	30	0.42	0.01	5.19	0.08	6.42	44.3
L785743		2.58			<0.001		<0.01	6.93	18.0	260	0.85	0.01	3.52	0.05	13.75	35.2
L785744		1.64			0.001		0.02	7.19	19.6	290	0.93	0.02	3.99	0.05	10.35	35.1
L785745		2.19			0.002		0.01	6.51	18.2	130	0.59	0.02	3.73	0.03	11.20	31.5
L785746		2.55			0.001		0.01	6.61	19.0	130	0.73	0.02	4.42	0.04	13.65	32.2
L785747		2.41			0.017		0.03	7.07	21.2	100	0.67	0.02	4.50	0.05	17.35	37.1
L785748		2.94			9.31		1.62	6.69	23.5	280	0.96	0.02	3.80	0.07	20.1	34.9
L785749		2.83			0.081		0.07	6.55	9.8	350	1.19	0.01	5.03	0.10	13.85	35.8
L785750		0.07			9.24		9.89	5.51	12.5	370	0.94	0.07	4.54	0.30	25.1	11.0
L785751		2.36			2.77		0.46	1.87	36.7	140	0.42	0.22	0.79	0.22	4.61	13.6
L785752		1.59			0.320		0.06	3.24	15.5	250	0.73	0.02	1.96	0.15	7.70	11.3
L785753		2.60			0.213		0.04	6.16	4.9	230	1.21	0.02	4.96	0.08	12.85	32.5
L785754		3.12			0.112		0.04	5.96	6.1	170	1.32	0.08	5.31	0.09	18.45	33.5
L785755		1.77			0.024		0.05	6.52	4.5	140	1.28	0.15	5.07	0.02	18.05	29.6
L785756		2.46			0.060		0.05	6.76	10.7	250	1.49	0.21	4.82	0.03	17.80	27.3
L785757		2.20			0.003		0.03	6.77	3.8	240	1.61	0.05	5.58	0.03	22.4	30.2
L785758		1.85			0.015		0.07	6.63	7.8	400	2.23	0.15	4.51	0.05	13.65	23.0
L785759		1.87		89.5	<0.001		0.04	6.41	1.5	30	0.47	0.01	4.54	0.10	13.40	30.9
L785760		1.34	81.3	85.2	<0.001		0.02	5.55	2.9	30	0.55	0.01	4.35	0.10	13.40	24.6

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01
L785721		33	1.16	66.5	8.94	19.75	0.10	3.0	0.111	2.02	8.6	26.2	1.11	1260	0.92	0.07
L785722		31	0.42	15.6	3.69	7.76	0.06	1.4	0.049	0.68	5.3	10.2	0.51	753	1.12	0.03
L785723		24	0.54	28.0	3.45	10.15	0.06	1.1	0.056	1.14	4.6	9.5	0.48	581	1.21	0.04
L785724		46	0.22	41.5	2.08	3.72	0.05	0.5	0.021	0.40	1.2	5.5	0.18	413	2.30	0.03
L785725		1	<0.05	1.2	0.02	0.13	<0.05	1.0	<0.005	0.01	1.3	1.9	<0.01	<5	0.10	<0.01
L785726		45	0.19	30.4	1.81	3.30	<0.05	0.5	0.022	0.33	1.1	5.3	0.20	257	2.46	0.02
L785727		26	1.06	62.2	12.35	24.0	0.10	3.2	0.112	1.84	9.4	26.2	1.55	1840	0.60	0.48
L785728		15	0.77	52.0	11.75	21.7	0.09	3.2	0.108	1.52	8.2	20.6	1.65	1520	0.42	0.54
L785729		8	0.78	146.5	9.53	20.4	0.11	2.5	0.121	1.61	7.3	23.2	1.32	1530	0.55	0.17
L785730		37	0.96	75.7	9.84	20.9	0.09	2.9	0.113	1.60	7.1	33.6	1.47	1430	0.57	0.31
L785731		34	0.86	232	9.13	21.1	0.09	2.9	0.092	1.66	6.6	29.7	1.43	955	0.92	0.32
L785732		29	1.14	71.7	11.05	20.1	0.07	2.9	0.104	1.42	4.5	30.1	1.57	1210	0.48	0.06
L785733		32	0.33	92.4	3.67	7.50	0.05	0.9	0.047	0.77	3.2	7.2	0.66	1210	1.87	0.04
L785734		26	0.92	101.0	9.01	19.40	0.10	2.9	0.096	1.96	6.0	19.3	1.45	1520	0.38	0.05
L785735		29	0.55	76.6	8.52	19.50	0.07	2.5	0.129	1.85	5.2	12.8	1.34	1760	0.55	0.83
L785736		27	0.22	33.6	10.35	20.7	0.10	2.8	0.109	0.57	7.2	22.4	1.62	1340	0.37	1.66
L785737		27	0.10	18.3	10.90	20.5	0.10	2.7	0.087	0.05	7.5	24.5	1.81	996	0.33	2.08
L785738		27	0.10	25.6	9.79	20.1	0.08	2.6	0.095	0.04	8.0	20.4	1.59	1280	0.44	2.49
L785739		26	0.11	41.5	10.05	22.1	0.08	2.2	0.088	0.04	7.4	21.6	1.65	1320	0.69	2.18
L785740		111	0.18	46.0	10.00	18.05	0.07	1.6	0.087	0.40	5.7	30.3	2.67	1480	0.55	1.70
L785741		186	0.10	112.5	8.33	13.65	0.06	1.3	0.045	0.05	2.7	29.2	3.71	1420	0.18	2.47
L785742		183	0.13	115.0	8.08	13.55	0.07	0.9	0.046	0.28	2.6	26.5	3.47	1480	0.12	2.26
L785743		28	0.51	31.4	12.00	21.3	0.09	3.0	0.093	0.63	5.0	30.2	2.04	1180	0.43	1.01
L785744		29	0.53	17.3	12.10	23.3	0.08	3.5	0.096	0.99	3.9	30.7	1.88	1270	0.36	0.70
L785745		27	0.35	21.8	10.80	19.50	0.07	2.4	0.075	0.39	4.3	25.0	1.61	1120	0.34	1.48
L785746		25	0.49	53.6	11.45	20.0	0.09	3.1	0.087	0.31	5.1	25.2	1.72	1160	0.33	1.54
L785747		27	0.35	55.1	11.10	22.6	0.09	2.7	0.112	0.42	6.4	22.1	1.60	1290	0.34	1.88
L785748		29	0.63	67.9	10.30	20.6	0.08	2.9	0.122	1.27	7.9	21.7	1.29	1660	0.54	0.82
L785749		24	0.72	78.8	10.15	19.85	0.09	3.1	0.106	1.57	5.1	20.3	1.77	1360	0.26	0.04
L785750		20	4.25	65.7	3.23	11.70	0.10	1.8	0.037	1.78	11.3	42.4	1.16	838	5.12	1.39
L785751		35	0.29	111.5	3.69	6.05	0.06	0.7	0.026	0.53	1.7	7.7	0.38	532	2.58	0.03
L785752		36	0.48	151.0	4.25	10.50	0.08	1.4	0.057	1.06	3.1	9.7	0.62	735	1.64	0.03
L785753		24	0.68	84.3	10.00	20.0	0.09	2.7	0.089	1.16	4.9	20.9	1.55	1280	0.64	0.45
L785754		88	0.42	71.9	7.72	17.00	0.09	2.1	0.099	1.31	6.9	17.4	1.74	1360	0.55	0.86
L785755		26	0.72	138.5	8.94	20.5	0.09	2.6	0.104	0.86	6.5	25.2	1.26	1160	0.54	1.58
L785756		26	0.93	118.5	7.88	20.7	0.09	2.8	0.119	1.74	6.4	25.5	1.02	1200	0.62	0.91
L785757		25	0.87	100.5	9.27	21.6	0.11	3.0	0.124	1.50	8.0	26.7	1.27	1280	0.51	0.73
L785758		27	1.43	223	8.15	21.3	0.08	3.1	0.129	2.26	5.3	42.3	1.00	1100	0.79	0.05
L785759		24	0.41	56.8	10.50	21.5	0.08	2.5	0.093	0.03	4.9	18.7	1.93	1340	0.38	2.08
L785760		22	0.35	37.0	8.87	19.60	0.06	2.1	0.075	0.03	5.1	15.2	1.40	1230	0.56	1.94

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

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
L785721		4.6	14.2	1390	5.0	55.9	<0.002	0.68	0.35	31.7	1	1.2	41.3	0.28	0.05	0.64
L785722		2.2	7.3	1230	2.9	21.6	<0.002	0.12	0.23	12.7	1	0.7	24.1	0.13	<0.05	0.32
L785723		1.7	6.1	470	4.0	32.8	<0.002	0.12	0.17	13.7	1	0.6	19.0	0.11	0.16	0.26
L785724		0.7	4.2	150	2.3	11.6	<0.002	0.07	0.17	5.1	1	0.7	7.9	<0.05	<0.05	0.16
L785725		0.1	0.5	10	1.1	0.2	<0.002	0.01	<0.05	0.2	2	<0.2	2.2	<0.05	<0.05	0.24
L785726		0.7	3.4	150	1.7	9.9	<0.002	0.07	0.14	4.9	1	0.5	6.8	<0.05	<0.05	0.11
L785727		4.6	17.2	1190	5.4	52.2	<0.002	0.89	0.50	37.7	1	1.6	50.8	0.29	<0.05	0.69
L785728		4.8	17.1	1120	3.7	39.1	<0.002	0.39	0.29	36.6	1	3.5	46.0	0.30	<0.05	0.59
L785729		4.5	13.4	1210	2.7	49.2	0.002	0.19	0.38	36.1	1	1.6	40.9	0.25	<0.05	0.51
L785730		4.2	19.6	940	3.5	46.5	0.002	0.20	0.36	34.6	1	1.0	43.6	0.26	<0.05	0.53
L785731		3.7	14.7	1070	5.2	46.6	<0.002	0.98	0.71	32.9	2	0.8	30.9	0.23	0.07	0.50
L785732		4.3	17.8	990	4.0	40.3	<0.002	0.21	0.30	34.1	1	2.1	36.3	0.26	<0.05	0.54
L785733		1.4	4.9	300	4.3	20.0	<0.002	0.30	0.23	9.6	1	0.8	35.3	0.07	<0.05	0.16
L785734		4.1	12.9	950	4.0	54.5	<0.002	0.38	0.37	32.3	1	1.1	48.6	0.24	<0.05	0.51
L785735		4.1	11.3	930	7.9	48.1	<0.002	1.44	0.48	32.1	1	1.3	64.8	0.24	<0.05	0.54
L785736		4.3	14.8	1010	4.6	15.6	<0.002	0.47	0.33	33.3	1	1.1	54.2	0.26	<0.05	0.54
L785737		4.4	14.5	1010	4.7	1.2	<0.002	0.29	0.36	33.4	<1	0.8	75.2	0.27	<0.05	0.53
L785738		4.3	15.2	980	4.8	0.7	<0.002	0.11	0.34	33.0	2	0.8	110.5	0.26	<0.05	0.52
L785739		4.0	14.9	900	4.5	0.8	<0.002	0.10	0.34	32.4	1	1.2	86.4	0.24	<0.05	0.48
L785740		3.1	51.3	660	2.8	10.2	<0.002	0.03	0.22	38.4	1	0.7	73.0	0.19	<0.05	0.44
L785741		1.5	85.3	260	2.6	1.3	0.002	0.07	0.13	40.8	1	0.4	143.5	0.09	<0.05	0.25
L785742		1.5	82.4	260	2.4	6.5	<0.002	0.04	0.13	40.8	1	0.4	113.5	0.09	<0.05	0.23
L785743		4.5	16.6	1050	0.9	14.7	<0.002	0.03	0.10	35.4	1	0.8	37.3	0.27	<0.05	0.53
L785744		4.4	16.2	1050	0.9	23.3	<0.002	0.05	0.10	36.3	<1	1.1	32.2	0.27	<0.05	0.52
L785745		3.8	15.0	980	1.0	9.5	<0.002	0.05	0.12	31.0	1	0.7	41.0	0.23	<0.05	0.47
L785746		4.1	14.9	990	1.2	7.5	<0.002	0.05	0.13	32.7	1	0.7	68.9	0.25	<0.05	0.56
L785747		4.3	16.8	1060	1.4	11.1	<0.002	0.15	0.14	37.0	1	0.9	56.8	0.26	<0.05	0.52
L785748		4.2	15.3	1150	1.9	31.6	<0.002	0.19	0.16	34.1	1	1.4	41.6	0.26	<0.05	0.57
L785749		4.3	13.4	1000	4.9	40.1	<0.002	0.51	0.30	33.4	2	0.7	46.4	0.26	0.05	0.50
L785750		2.3	11.5	680	16.4	66.7	0.003	0.43	2.12	12.3	1	0.8	345	0.12	4.54	2.56
L785751		1.1	6.2	220	11.9	12.9	<0.002	0.80	0.39	8.0	2	0.7	8.5	0.06	0.21	0.14
L785752		2.2	6.6	420	4.5	29.3	<0.002	0.18	0.17	14.6	2	0.8	14.0	0.12	<0.05	0.25
L785753		4.2	13.8	970	5.3	30.7	<0.002	0.49	0.35	32.2	1	1.5	43.6	0.25	0.05	0.50
L785754		3.7	31.7	700	4.3	35.3	<0.002	0.32	0.35	34.0	1	1.0	64.7	0.22	<0.05	0.46
L785755		4.2	21.8	950	3.5	25.1	<0.002	0.49	0.37	32.2	1	1.2	51.0	0.26	<0.05	0.51
L785756		4.3	20.9	1050	3.1	56.5	<0.002	0.45	0.52	33.8	1	1.8	42.9	0.25	<0.05	0.53
L785757		4.7	20.4	1030	2.1	48.4	<0.002	0.09	0.37	35.5	1	0.9	43.2	0.28	<0.05	0.55
L785758		4.7	19.1	1000	1.9	74.6	<0.002	0.12	0.42	35.3	1	0.9	32.1	0.27	<0.05	0.57
L785759		4.5	14.2	980	2.0	2.4	<0.002	0.10	0.16	32.7	1	1.3	94.5	0.26	<0.05	0.50
L785760		3.7	11.8	810	2.0	2.0	<0.002	0.12	0.13	26.9	1	1.2	92.4	0.22	<0.05	0.41

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

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.1	1	0.1	0.1	2	0.5
L785721		0.932	0.22	0.2	120	19.1	29.6	76	112.5
L785722		0.439	0.09	0.1	58	10.4	17.4	43	43.4
L785723		0.387	0.13	0.1	67	8.9	13.5	39	36.6
L785724		0.140	0.05	<0.1	25	7.9	4.1	19	16.5
L785725		0.006	<0.02	0.3	<1	<0.1	2.0	2	38.9
L785726		0.149	0.05	<0.1	23	4.1	3.8	19	16.1
L785727		0.905	0.21	0.2	133	16.4	30.5	94	114.5
L785728		0.914	0.16	0.2	125	14.1	29.1	108	116.5
L785729		0.995	0.18	0.1	107	21.4	29.0	103	91.9
L785730		0.848	0.16	0.1	125	17.1	24.8	82	99.4
L785731		0.711	0.18	0.1	124	12.9	25.6	120	98.9
L785732		0.845	0.16	0.1	121	26.3	21.8	110	105.0
L785733		0.266	0.09	<0.1	48	5.3	12.5	40	34.3
L785734		0.848	0.22	0.1	121	22.9	24.7	90	109.5
L785735		0.832	0.19	0.1	113	10.4	28.1	81	97.0
L785736		0.920	0.07	0.1	124	4.7	27.8	123	79.8
L785737		0.907	<0.02	0.1	125	2.4	27.6	151	88.0
L785738		0.924	<0.02	0.1	122	1.6	33.5	115	79.7
L785739		0.878	<0.02	0.1	120	1.8	28.8	126	77.0
L785740		0.681	0.03	0.1	182	2.5	23.1	117	61.5
L785741		0.380	<0.02	0.1	240	0.6	9.1	81	32.5
L785742		0.376	0.03	0.1	233	1.0	9.9	81	32.5
L785743		0.923	0.06	0.1	134	6.1	19.7	134	115.0
L785744		0.895	0.09	0.1	143	8.7	20.6	134	107.0
L785745		0.803	0.04	0.1	124	4.4	20.1	127	86.8
L785746		0.846	0.04	0.1	124	5.1	23.4	124	91.3
L785747		0.873	0.05	0.1	139	7.3	27.1	151	96.1
L785748		0.839	0.12	0.1	121	10.3	29.6	104	99.5
L785749		0.889	0.16	0.1	127	8.6	24.9	135	103.0
L785750		0.284	0.62	0.7	104	1.8	10.5	73	68.1
L785751		0.203	0.09	<0.1	42	6.3	5.9	50	25.1
L785752		0.419	0.11	0.1	68	10.0	10.7	51	50.0
L785753		0.857	0.14	0.1	120	11.4	21.9	118	96.0
L785754		0.722	0.12	0.1	144	12.5	24.4	126	76.6
L785755		0.925	0.09	0.1	133	14.5	28.5	98	96.5
L785756		0.861	0.20	0.1	133	14.3	27.2	63	100.5
L785757		0.974	0.18	0.1	128	16.3	46.3	86	105.5
L785758		0.916	0.25	0.1	127	30.8	25.2	45	117.5
L785759		0.942	0.02	0.1	124	0.8	28.8	148	91.6
L785760		0.774	<0.02	0.1	103	1.4	24.8	107	73.4

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01	Au-ICP21 Au ppm 0.001	Au-GRA21 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1
L785761		2.39			<0.001		0.04	6.30	4.2	30	0.51	0.02	3.86	0.07	16.45	37.0
L785762		3.10			0.311		0.06	6.39	9.6	180	1.41	0.10	4.64	0.06	19.55	30.6
L785763		2.09			0.998		0.15	1.98	13.3	130	0.73	0.42	3.58	0.18	8.29	10.5
L785764		1.70			6.26		0.88	2.97	34.2	200	0.78	1.34	2.93	0.13	5.54	16.8
L785765		1.70			0.257		0.11	6.25	23.3	350	1.73	0.52	3.45	0.07	17.70	22.3
L785766		1.90			0.047		0.07	6.28	11.6	240	1.90	0.27	3.90	0.09	32.9	32.1
L785767		2.19			0.655		0.05	2.39	9.0	90	0.58	0.32	2.92	0.05	8.13	12.8
L785768		1.78			0.185		0.10	3.87	7.0	160	1.12	0.33	3.58	0.08	15.15	18.1
L785769		1.89	77.9		0.307		0.07	0.27	6.9	30	0.11	0.47	0.45	0.04	1.88	2.6
L785770		1.88			0.109		0.05	0.23	1.4	20	0.08	0.14	0.50	0.05	1.25	1.7
L785771		1.13			0.209		0.05	1.24	0.7	60	0.34	0.06	0.13	0.09	2.93	6.4
L785772		1.33			1.930		0.10	0.67	4.0	50	0.24	0.15	0.39	0.09	1.84	3.3
L785773		2.30			0.005		0.06	7.24	25.9	280	1.37	0.09	5.24	0.05	8.85	44.2
L785774		2.02			0.176		0.18	6.00	15.3	70	0.81	0.03	4.62	0.10	20.9	40.0
L785775		0.07			0.761		0.13	7.08	440	500	1.56	0.24	4.02	0.08	55.9	31.4
L785776		1.17			0.005		0.11	6.61	50.1	120	0.72	0.01	4.11	0.10	7.06	45.5
L785777		0.99			0.008		0.16	8.08	58.5	210	1.15	0.02	1.70	0.08	11.10	52.0
L785778		1.42			0.009		0.10	7.35	51.6	280	1.22	0.01	3.17	0.17	10.15	47.6
L785779		1.86			0.085		0.12	7.52	50.7	260	1.32	0.02	7.59	0.10	10.15	50.8
L785780		1.55			>10.0	11.55	3.04	1.89	18.2	60	0.34	0.24	1.23	0.38	2.47	14.4
L785781		1.35			0.485		0.27	7.35	53.2	100	1.11	0.27	1.88	0.06	13.10	36.1
L785782		1.80			2.20		0.12	1.88	4.9	60	0.51	0.02	2.18	0.05	2.28	6.2
L785783		1.35			0.015		0.08	7.44	30.2	250	1.36	0.04	6.68	0.03	5.55	39.0
L785784		2.19			0.033		0.03	5.63	1.8	20	0.45	0.02	2.68	0.04	21.6	24.9
L785785		0.86			<0.001		0.08	5.97	1.9	20	1.60	0.05	2.58	0.05	21.2	22.3
L785786		1.17			<0.001		0.11	5.98	3.9	20	0.64	0.13	3.60	0.07	13.45	31.3
L785787		1.11			3.99		0.04	3.86	9.0	30	0.80	0.06	1.92	0.06	10.80	16.7
L785788		1.22			2.34		0.10	3.76	7.7	90	1.04	0.10	1.93	0.06	9.56	16.4
L785789		2.21			0.233		0.04	2.14	4.2	40	0.45	0.02	1.74	0.06	4.16	10.0
L785790		1.44			0.020		0.03	4.03	10.2	100	0.83	0.03	3.34	0.04	7.95	17.6
L785791		2.13			<0.001		0.02	6.21	15.5	10	0.56	0.02	3.99	0.11	20.8	31.1
L785792		1.81			0.017		0.04	6.47	57.0	190	0.57	0.01	7.02	0.08	7.13	41.4
L785793		1.03			1.200		0.85	1.84	3.6	70	0.47	0.01	4.31	0.11	1.24	3.5
L785794		0.94			0.020		0.02	0.27	1.3	20	0.07	<0.01	0.58	0.07	0.24	1.5
L785795		2.13			0.012		0.03	4.36	16.4	60	0.65	0.01	2.87	0.03	10.15	21.4
L785796		1.52			<0.001		0.01	5.07	5.3	10	0.43	0.03	2.45	0.06	17.55	22.9
L785797		1.47			<0.001		0.03	3.12	6.3	10	0.31	0.02	5.18	0.05	8.37	13.8
L785798		1.99			0.004		0.05	6.66	85.1	400	0.90	0.01	6.29	0.14	7.05	44.9
L785799		2.24			4.11		0.38	2.73	15.4	100	0.60	0.06	1.49	0.45	7.02	13.7
L785800		0.07			2.51		4.43	5.37	18.3	350	0.97	0.08	4.07	0.37	23.0	10.6

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

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01
L785761		22	0.46	42.9	10.30	20.9	0.08	2.6	0.106	0.03	5.5	19.2	1.76	1210	0.47	2.12
L785762		18	0.68	102.5	10.45	21.6	0.12	2.9	0.118	0.98	6.6	30.6	1.64	1220	0.33	0.65
L785763		27	0.35	199.0	3.03	6.89	0.06	0.9	0.047	0.65	3.1	8.6	0.39	635	1.61	0.03
L785764		44	0.70	379	4.27	10.30	0.07	1.5	0.062	1.02	2.1	12.6	0.51	582	3.86	0.02
L785765		74	1.13	240	7.04	19.05	0.11	2.4	0.143	2.18	6.5	26.1	1.09	1150	1.40	0.05
L785766		16	0.63	238	10.40	20.8	0.14	3.0	0.139	1.02	11.7	27.8	1.63	1180	0.43	0.44
L785767		21	0.55	148.5	4.76	8.70	0.06	1.2	0.062	0.43	3.1	13.9	0.67	778	1.31	0.02
L785768		16	0.86	241	7.15	13.75	0.09	2.0	0.080	0.75	5.9	22.1	1.07	945	1.21	0.03
L785769		41	0.10	117.5	0.86	1.08	<0.05	0.1	0.018	0.10	0.7	1.6	0.03	242	2.46	0.01
L785770		40	0.09	72.2	0.70	0.91	<0.05	<0.1	0.012	0.08	0.5	2.1	0.04	185	2.43	0.02
L785771		51	0.32	61.3	2.44	4.06	<0.05	0.3	0.025	0.29	1.2	4.8	0.30	369	2.59	0.03
L785772		41	0.18	77.8	1.29	2.32	<0.05	0.1	0.017	0.21	0.5	2.7	0.12	242	2.50	0.02
L785773		228	1.56	164.0	9.08	16.30	0.10	1.1	0.101	2.09	3.7	27.5	2.17	1680	0.28	0.13
L785774		21	0.57	52.2	9.89	20.1	0.10	2.3	0.100	0.44	7.6	34.9	1.49	1360	0.56	1.42
L785775		157	4.93	64.9	7.40	20.1	0.14	3.5	0.074	1.36	29.4	22.4	2.94	1640	3.52	1.54
L785776		203	0.59	114.0	8.83	15.65	0.08	1.0	0.078	1.59	3.2	38.0	2.89	1420	0.35	0.05
L785777		241	0.71	134.5	8.57	18.80	0.12	1.5	0.089	2.32	6.6	32.5	2.65	1710	0.24	0.06
L785778		228	0.82	125.0	7.11	17.30	0.13	1.2	0.081	2.52	5.1	26.3	2.10	1720	0.26	0.06
L785779		212	0.79	83.3	7.68	18.15	0.12	1.3	0.079	2.48	4.9	27.1	2.25	1870	0.28	0.05
L785780		79	0.47	162.5	3.53	5.80	<0.05	0.4	0.034	0.39	1.0	13.4	0.82	424	1.88	0.04
L785781		8	2.02	177.5	17.45	28.4	0.11	4.1	0.127	0.53	4.5	51.6	3.62	1680	1.51	0.50
L785782		56	0.54	28.2	3.53	6.36	0.06	0.7	0.024	0.36	0.8	13.1	0.75	433	1.87	0.05
L785783		223	1.46	47.6	11.30	19.25	0.11	1.3	0.085	1.69	2.6	40.0	3.01	1540	0.36	0.09
L785784		5	0.33	40.6	10.10	20.1	0.07	3.2	0.103	0.03	7.1	19.2	1.45	1160	0.44	2.04
L785785		13	0.26	454	6.69	18.75	0.09	2.8	0.093	0.05	7.3	17.2	1.28	944	0.37	2.97
L785786		79	0.30	140.5	9.31	19.75	0.09	1.9	0.080	0.15	5.0	24.4	2.19	1240	0.44	1.76
L785787		21	0.28	124.0	6.19	13.75	0.08	2.0	0.071	0.06	4.3	18.6	0.97	812	1.48	1.25
L785788		22	0.34	126.5	5.86	13.30	0.06	2.0	0.067	0.18	3.6	19.6	0.85	654	1.15	1.18
L785789		30	0.23	40.9	3.90	6.70	0.06	1.1	0.034	0.08	1.5	10.1	0.58	461	1.92	0.59
L785790		13	0.37	63.4	6.68	13.15	0.06	2.2	0.071	0.18	2.8	15.8	1.04	816	0.98	1.12
L785791		10	0.13	65.8	10.85	21.3	0.09	2.8	0.122	0.02	7.1	24.6	1.79	1530	0.35	1.77
L785792		150	0.44	96.3	6.86	15.40	0.06	1.4	0.066	0.86	2.7	28.6	2.05	1100	0.27	1.53
L785793		24	0.17	6.7	1.76	5.22	0.06	0.3	0.031	0.29	<0.5	6.0	0.27	474	1.45	0.70
L785794		45	0.07	8.3	0.97	1.14	<0.05	<0.1	0.009	0.10	<0.5	1.4	0.04	159	2.50	0.03
L785795		36	0.56	71.6	7.40	14.55	0.07	1.9	0.071	0.29	3.8	23.9	1.27	836	1.23	1.00
L785796		14	0.22	46.7	9.33	18.40	0.08	2.2	0.097	0.02	5.9	17.2	1.62	985	0.83	1.31
L785797		19	0.14	20.3	5.46	9.94	0.05	1.4	0.079	0.02	3.3	10.4	0.91	1310	1.51	0.90
L785798		196	0.82	114.5	7.54	13.65	0.08	1.2	0.064	2.07	2.8	29.5	2.82	1420	0.42	0.07
L785799		33	0.72	103.5	4.01	8.59	0.05	1.1	0.036	0.62	2.8	15.6	0.74	445	1.30	0.19
L785800		25	5.76	70.8	3.08	11.45	0.08	1.7	0.044	2.39	11.2	41.0	0.94	710	6.54	0.89

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

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
L785761		4.4	14.5	950	2.9	1.6	<0.002	0.18	0.19	34.8	1	0.8	82.5	0.28	<0.05	0.55
L785762		4.5	14.9	1020	3.5	30.4	<0.002	0.19	0.23	36.5	1	1.0	38.8	0.26	<0.05	0.54
L785763		1.5	6.6	330	4.6	19.6	<0.002	0.25	0.29	10.5	1	1.7	17.7	0.08	<0.05	0.18
L785764		2.3	15.3	410	6.4	31.3	0.007	0.73	0.44	14.2	2	1.1	13.1	0.12	0.25	0.24
L785765		3.7	31.7	710	3.6	67.0	0.003	0.27	0.37	33.0	1	1.0	25.0	0.22	0.05	0.51
L785766		4.9	17.3	1040	3.8	26.8	0.004	0.11	0.31	36.2	1	3.2	32.8	0.28	<0.05	0.61
L785767		2.1	10.2	440	2.2	12.9	<0.002	0.15	0.17	14.0	1	1.8	13.8	0.13	<0.05	0.26
L785768		3.0	13.9	670	3.3	22.8	<0.002	0.17	0.22	21.7	2	2.6	16.9	0.18	0.06	0.41
L785769		0.2	5.8	20	1.3	3.0	<0.002	0.03	0.10	1.3	<1	2.1	3.3	<0.05	0.06	0.06
L785770		0.1	3.1	<10	0.9	2.4	<0.002	0.01	0.08	0.9	1	0.8	3.5	<0.05	0.07	0.03
L785771		0.6	13.9	80	1.2	9.1	<0.002	0.01	0.08	5.5	1	2.2	5.0	<0.05	<0.05	0.13
L785772		0.3	5.9	30	2.0	6.0	<0.002	0.01	0.10	2.3	1	1.8	4.4	<0.05	<0.05	0.07
L785773		1.9	91.1	270	2.0	55.4	0.002	0.05	0.15	44.5	<1	0.6	34.1	0.11	<0.05	0.28
L785774		4.0	14.4	880	3.9	12.6	0.002	0.66	0.46	34.7	2	1.1	42.0	0.25	<0.05	0.52
L785775		18.8	110.0	1410	21.2	71.5	<0.002	0.60	1.98	17.0	1	6.7	287	1.05	0.05	7.24
L785776		1.7	91.9	250	2.2	23.3	<0.002	0.05	0.24	40.8	1	0.5	26.5	0.10	<0.05	0.22
L785777		2.0	102.0	270	3.9	56.6	<0.002	0.02	0.24	51.9	1	0.6	14.1	0.12	<0.05	0.34
L785778		1.8	89.9	260	4.6	47.8	<0.002	0.02	0.23	46.5	1	0.5	21.4	0.12	<0.05	0.27
L785779		1.9	91.1	200	5.7	43.9	0.002	0.16	0.34	45.0	2	0.6	39.1	0.12	<0.05	0.29
L785780		0.9	18.3	50	45.2	11.1	0.002	0.16	0.21	10.1	1	0.3	5.0	<0.05	0.32	0.07
L785781		6.9	15.9	1270	4.7	7.7	<0.002	0.96	0.41	42.9	3	2.4	15.0	0.40	0.10	0.70
L785782		1.2	12.7	160	1.3	10.2	<0.002	0.04	0.12	9.5	1	0.6	7.5	0.06	<0.05	0.13
L785783		1.8	90.0	280	1.5	40.0	0.004	0.09	0.14	44.9	1	0.8	32.8	0.11	0.05	0.26
L785784		5.3	6.6	1400	1.6	3.6	<0.002	0.08	0.07	32.3	1	0.9	40.9	0.32	<0.05	0.60
L785785		5.4	13.3	1230	1.4	1.9	<0.002	0.06	0.13	30.2	1	1.2	52.2	0.33	<0.05	0.66
L785786		4.1	41.0	880	1.2	3.1	0.003	0.12	0.13	29.5	1	0.9	59.1	0.23	<0.05	0.62
L785787		3.2	6.9	750	2.9	2.4	0.002	0.07	0.17	20.9	1	0.8	33.3	0.19	<0.05	0.38
L785788		3.1	8.2	660	3.5	4.9	<0.002	0.11	0.17	20.3	1	0.8	34.5	0.18	<0.05	0.37
L785789		1.7	6.0	360	2.2	2.1	<0.002	0.07	0.09	11.5	1	1.4	25.5	0.10	<0.05	0.20
L785790		3.3	7.2	750	2.3	4.4	0.002	0.13	0.08	20.8	1	1.0	39.4	0.20	<0.05	0.41
L785791		4.9	11.5	1090	2.5	0.7	<0.002	0.11	0.11	36.7	1	1.3	50.0	0.29	<0.05	0.58
L785792		2.1	66.3	370	1.9	22.9	0.002	0.05	0.19	39.0	1	0.5	49.6	0.13	0.06	0.29
L785793		0.6	4.5	150	2.6	7.4	<0.002	0.01	0.08	4.9	1	0.3	41.7	<0.05	<0.05	0.06
L785794		0.1	2.7	10	1.0	2.6	<0.002	<0.01	0.08	1.1	1	0.8	5.4	<0.05	<0.05	0.01
L785795		3.2	13.5	700	2.2	8.0	<0.002	0.10	0.17	26.2	1	1.0	25.2	0.19	<0.05	0.38
L785796		3.1	9.6	880	1.2	2.0	<0.002	0.12	0.15	29.6	1	0.6	38.1	0.20	<0.05	0.46
L785797		2.0	6.6	540	2.3	1.2	<0.002	0.05	0.44	19.9	1	0.4	31.9	0.16	<0.05	0.30
L785798		1.5	80.6	260	2.1	55.7	<0.002	0.07	0.43	40.5	1	1.8	46.9	0.11	0.06	0.23
L785799		1.8	11.2	370	60.9	23.7	<0.002	0.17	0.51	13.5	1	1.7	14.2	0.11	0.06	0.23
L785800		2.1	10.7	650	18.9	93.6	0.004	0.87	2.22	12.3	1	0.7	287	0.13	2.66	2.54

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.1	1	0.1	0.1	2	0.5
L785761		0.909	0.02	0.1	121	2.6	25.2	132	89.3
L785762		0.907	0.12	0.1	121	8.2	31.6	126	113.0
L785763		0.277	0.10	<0.1	42	4.4	13.7	35	33.6
L785764		0.441	0.15	0.1	66	11.0	11.3	42	55.5
L785765		0.758	0.26	0.2	163	12.3	26.0	52	89.5
L785766		0.949	0.09	0.2	117	3.7	41.0	130	110.5
L785767		0.375	0.06	0.1	41	3.3	14.0	42	48.1
L785768		0.585	0.10	0.1	71	5.5	23.3	69	71.2
L785769		0.029	0.02	<0.1	9	0.6	2.5	4	3.2
L785770		0.007	0.02	<0.1	6	0.3	2.0	4	1.0
L785771		0.102	0.05	<0.1	32	1.5	3.6	19	12.1
L785772		0.040	0.03	<0.1	17	0.8	1.8	14	4.3
L785773		0.440	0.23	0.1	258	6.1	17.0	75	42.2
L785774		0.790	0.07	0.1	114	4.8	36.0	103	79.0
L785775		0.751	0.37	1.5	135	1.7	23.0	118	135.5
L785776		0.379	0.16	0.1	250	4.5	14.5	92	36.3
L785777		0.421	0.22	0.1	292	6.4	23.3	85	52.5
L785778		0.427	0.25	0.1	278	5.7	20.7	74	47.4
L785779		0.468	0.24	0.1	273	6.5	22.0	74	47.0
L785780		0.120	0.06	<0.1	61	1.5	5.8	50	12.5
L785781		1.175	0.09	0.2	138	9.5	38.3	134	143.0
L785782		0.196	0.05	<0.1	50	2.2	7.1	27	22.9
L785783		0.423	0.18	0.1	245	6.5	18.0	94	47.4
L785784		0.896	0.02	0.1	78	1.8	34.9	142	116.0
L785785		0.950	<0.02	0.2	79	1.0	43.1	107	101.5
L785786		0.842	0.06	0.2	119	0.8	28.1	119	73.7
L785787		0.593	0.02	0.1	64	8.7	21.8	83	74.1
L785788		0.583	0.04	0.1	68	8.1	22.8	76	69.0
L785789		0.311	0.02	<0.1	40	5.9	9.3	52	39.9
L785790		0.591	0.03	0.1	68	11.8	25.3	80	79.9
L785791		0.941	0.02	0.1	106	1.6	37.0	160	103.5
L785792		0.466	0.10	0.1	216	2.3	14.1	85	50.1
L785793		0.070	0.05	<0.1	33	6.2	10.3	25	9.9
L785794		0.011	<0.02	<0.1	8	0.2	1.4	5	1.3
L785795		0.630	0.06	0.1	92	5.2	20.7	84	70.8
L785796		0.576	<0.02	0.1	90	1.4	23.6	115	76.5
L785797		0.407	<0.02	0.1	51	1.3	15.3	65	54.2
L785798		0.387	0.22	0.1	234	5.2	10.9	82	44.2
L785799		0.323	0.11	0.1	55	6.0	8.7	76	43.7
L785800		0.278	1.04	0.7	104	3.4	9.8	91	64.4

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

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01	Au-ICP21 Au ppm 0.001	Au-GRA21 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1
L785801		1.49	76.3	86.6	0.008		0.04	6.11	9.5	40	0.81	0.02	4.33	0.07	20.9	30.2
L785802		2.04		91.9	0.003		0.02	6.08	24.9	210	1.27	0.02	4.27	0.12	20.5	30.3
L785803		1.98			0.001		0.02	6.15	21.4	380	1.44	0.02	4.29	0.17	20.8	32.9
L785804		2.65			0.001		0.02	6.28	12.6	20	0.59	0.02	4.23	0.06	20.8	30.6
L785805		1.40			0.002		0.04	6.25	20.2	60	0.65	0.11	3.37	0.08	15.20	36.6
L785806		0.88			0.011		0.04	6.49	39.5	410	1.23	0.09	5.36	0.09	14.30	44.5
L785807		1.29			3.45		0.28	1.15	4.4	110	0.38	0.13	0.50	0.06	3.18	8.5
L785808		1.84			0.069		0.05	4.21	9.8	50	0.63	0.09	1.89	0.05	11.60	23.8
L785809		1.45			0.368		1.18	4.00	2.9	60	0.51	0.01	2.27	0.04	5.64	22.7
L785810		2.15			<0.001		0.03	6.78	4.0	80	0.82	0.01	4.82	0.04	7.94	43.2
L785811		1.27			<0.001		0.07	7.18	6.9	210	1.00	0.05	5.77	0.05	14.05	50.4
L785812		1.35			<0.001		0.05	4.98	1.7	140	0.70	0.03	3.01	0.04	7.06	32.5
L785813		1.59			0.017		0.04	3.52	3.0	80	0.49	0.04	1.78	0.04	5.12	20.6
L785822		1.61			<0.001		0.01	0.04	0.5	10	<0.05	0.01	0.13	0.10	0.32	0.7
L785823		1.75			<0.001		0.02	4.76	5.8	300	1.04	0.04	5.35	0.06	11.75	19.1
L785824		2.11			0.013		0.03	3.46	11.8	180	0.69	0.01	4.76	0.07	6.58	18.6
L785825		0.07			2.41		4.58	5.48	19.3	360	0.98	0.09	4.15	0.36	24.0	11.2
L785826		1.05			<0.001		0.01	5.73	1.5	50	0.35	0.02	3.12	0.05	4.95	29.6
P240885		2.15			1.605		0.66	3.76	17.5	190	1.06	0.09	1.88	0.76	8.16	25.0
P240886		1.96			0.571		0.14	2.84	6.5	160	0.74	0.01	1.32	0.11	6.30	19.0
P240887		1.84			0.054		0.08	5.59	11.0	180	1.16	0.02	4.00	0.12	12.25	32.7
P240888		1.62			0.060		0.12	3.07	12.6	210	1.00	0.01	2.09	0.09	5.13	18.1
P240889		1.40			0.151		0.16	3.90	6.0	220	0.99	0.01	3.38	0.11	5.72	24.7
P240890		1.02			4.37		1.04	4.09	7.8	250	1.09	0.09	3.51	0.23	7.08	22.0
P240891		1.57			5.60		1.97	2.58	13.7	160	0.65	0.47	1.32	0.58	4.91	19.6
P240892		1.79			0.073		0.13	3.31	6.2	170	0.81	0.01	3.30	0.20	7.16	23.6
P240893		1.99			0.186		0.10	5.88	6.5	320	1.50	0.01	4.71	0.24	12.35	33.9
P240894		2.20			>10.0	11.30	3.51	4.18	18.0	240	1.15	0.31	1.58	6.93	6.40	29.1
P240895		2.82			7.46		1.24	2.21	12.8	150	0.55	0.08	1.44	1.13	5.11	13.2
P240896		1.47			0.054		0.08	6.53	34.9	280	1.25	0.02	5.40	0.27	16.15	43.5
P240897		3.63			0.030		0.07	6.56	31.2	260	1.18	0.09	4.54	0.16	14.00	42.9
P240898		4.27			0.004		0.04	6.55	7.5	30	0.80	0.08	3.71	0.04	16.80	39.6
P240899		2.78			0.004		0.02	6.60	16.4	40	0.54	0.05	4.92	0.07	9.55	45.9
P240900		0.07			0.758		0.14	7.04	421	500	1.77	0.21	3.95	0.10	57.3	32.0

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

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Cr	Cs	Cu	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	1	0.05	0.2	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01
L785801		10	0.32	62.6	10.05	20.2	0.09	2.9	0.117	0.10	8.3	32.3	1.69	1300	0.52	1.75
L785802		10	0.69	55.1	10.60	20.3	0.09	2.9	0.115	0.67	7.8	23.4	1.74	1610	0.53	0.88
L785803		10	0.85	54.8	11.15	21.7	0.08	3.3	0.127	1.10	8.1	23.1	1.77	1940	0.58	0.44
L785804		8	0.18	55.4	11.05	21.2	0.09	2.8	0.121	0.05	7.6	24.9	1.93	1230	0.53	1.64
L785805		30	1.22	114.5	11.40	19.40	0.08	2.4	0.100	0.30	5.8	47.9	1.84	1490	0.47	1.10
L785806		112	1.37	129.0	9.29	17.65	0.08	2.3	0.099	1.41	5.8	44.4	2.00	1860	0.27	0.30
L785807		39	0.31	51.4	1.93	4.19	<0.05	0.2	0.030	0.31	1.2	7.6	0.24	578	1.55	0.09
L785808		83	1.32	65.4	8.87	13.30	0.06	1.7	0.062	0.37	4.3	42.3	2.85	1100	1.35	0.26
L785809		133	1.07	37.6	6.93	8.99	<0.05	0.6	0.042	0.62	2.0	39.2	2.61	1050	0.77	0.40
L785810		192	1.80	32.8	9.80	13.05	0.05	1.3	0.060	0.89	3.4	67.2	3.82	1650	0.14	1.13
L785811		219	1.82	146.0	10.20	16.30	0.08	1.2	0.100	1.91	5.6	52.8	3.05	1820	0.12	0.84
L785812		172	1.64	110.5	6.91	10.70	0.06	0.9	0.057	1.08	3.0	35.4	2.16	1180	1.22	0.92
L785813		117	0.82	122.0	5.10	9.38	<0.05	0.8	0.039	0.60	2.1	21.1	1.41	641	0.93	0.63
L785822		41	0.05	2.3	0.52	0.24	<0.05	<0.1	<0.005	0.01	<0.5	0.5	0.02	110	2.31	0.02
L785823		19	0.56	74.8	5.81	15.85	0.06	1.3	0.069	1.70	5.1	11.6	0.68	1000	0.87	0.09
L785824		53	0.42	64.5	5.49	8.49	0.05	0.9	0.041	1.15	2.6	7.2	1.24	1160	0.96	0.64
L785825		25	6.15	74.7	3.14	12.15	0.09	1.8	0.048	2.45	11.7	43.4	0.96	730	6.77	0.91
L785826		69	0.46	4.7	6.48	15.30	0.06	0.6	0.048	0.18	2.0	24.8	2.09	1120	0.97	1.49
P240885		52	0.81	175.5	5.89	11.45	0.07	1.2	0.064	1.10	3.6	20.1	1.10	975	1.54	0.08
P240886		54	0.47	114.0	4.59	8.76	0.06	1.0	0.046	0.83	2.6	12.1	0.82	816	2.21	0.17
P240887		46	1.21	94.9	9.52	16.20	0.07	1.8	0.078	1.06	5.1	30.0	1.86	1640	0.77	0.73
P240888		55	0.55	194.0	3.73	9.09	0.05	0.8	0.044	1.28	2.2	10.5	0.63	907	1.38	0.03
P240889		81	0.76	268	6.13	12.45	0.05	1.1	0.048	1.34	2.3	18.8	1.20	1180	1.94	0.02
P240890		60	0.88	282	6.25	13.55	0.06	1.3	0.057	1.55	2.9	18.9	1.18	1340	1.15	0.03
P240891		58	0.39	342	4.58	8.21	0.05	0.8	0.057	0.91	2.1	9.2	0.69	943	2.26	0.09
P240892		53	0.45	139.0	5.20	9.66	0.05	0.9	0.062	0.98	3.0	12.1	0.99	1140	1.86	0.37
P240893		52	0.97	93.3	8.79	17.40	0.08	1.7	0.082	1.77	5.2	25.5	1.86	1740	0.94	0.52
P240894		79	0.65	170.0	6.36	11.65	0.06	1.0	0.061	1.37	2.6	17.2	1.38	926	1.76	0.02
P240895		46	0.37	168.0	3.91	6.63	<0.05	0.6	0.051	0.83	2.1	9.3	0.57	960	1.93	0.08
P240896		62	0.80	114.5	10.60	19.90	0.09	1.7	0.096	1.41	6.5	26.9	2.37	1830	1.38	0.97
P240897		50	0.73	103.5	10.20	18.50	0.10	1.8	0.077	1.56	5.4	24.5	2.25	2030	0.53	1.20
P240898		13	0.24	126.0	10.75	20.7	0.08	2.8	0.103	0.06	6.2	18.5	1.88	1160	0.42	2.23
P240899		132	0.34	132.5	9.23	16.70	0.08	1.1	0.071	0.26	3.5	36.6	3.06	1410	0.24	1.78
P240900		154	5.36	66.8	7.36	20.5	0.11	3.5	0.064	1.36	29.2	25.3	2.91	1620	3.53	1.53

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

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.1	0.2	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01
L785801		4.5	12.3	1070	3.7	3.6	<0.002	0.10	0.43	35.4	1	1.1	63.1	0.31	<0.05	0.59
L785802		4.1	11.0	1090	1.2	23.5	<0.002	0.12	0.26	35.0	1	1.0	53.5	0.28	<0.05	0.56
L785803		4.5	11.9	1140	1.5	39.7	<0.002	0.10	0.30	37.9	1	1.5	48.9	0.31	<0.05	0.63
L785804		4.3	10.7	1150	1.5	2.3	<0.002	0.11	0.24	36.2	1	0.9	54.7	0.30	<0.05	0.60
L785805		2.8	23.9	1020	2.1	14.8	<0.002	0.09	0.65	34.4	1	1.0	38.9	0.23	<0.05	0.51
L785806		2.9	47.9	700	2.3	47.6	<0.002	0.11	0.59	40.6	1	1.6	41.4	0.21	0.05	0.41
L785807		0.4	11.8	90	3.5	10.4	<0.002	0.01	0.25	4.8	1	2.8	7.4	<0.05	0.09	0.07
L785808		2.5	28.0	500	1.8	8.9	0.002	0.28	0.25	25.6	2	0.8	10.6	0.16	<0.05	0.30
L785809		1.0	45.9	130	1.1	11.8	<0.002	0.04	0.14	22.8	1	0.4	11.1	0.06	<0.05	0.14
L785810		1.6	81.7	290	0.9	20.5	<0.002	<0.01	0.16	39.8	<1	0.4	25.0	0.11	<0.05	0.25
L785811		1.9	90.0	210	1.5	35.4	<0.002	0.03	0.16	42.6	1	0.6	30.9	0.13	<0.05	0.23
L785812		1.5	61.3	190	0.9	25.1	<0.002	0.01	0.18	29.1	1	0.7	26.3	0.09	<0.05	0.20
L785813		1.2	50.9	160	1.1	16.0	<0.002	0.02	0.22	16.2	1	0.4	22.0	0.06	<0.05	0.22
L785822		<0.1	1.3	<10	0.6	0.2	<0.002	<0.01	0.11	0.3	1	<0.2	8.3	<0.05	<0.05	0.01
L785823		2.0	11.1	410	1.6	51.0	<0.002	0.06	0.35	20.5	1	0.4	39.7	0.15	<0.05	0.27
L785824		1.2	17.9	330	1.1	33.9	<0.002	0.08	0.25	18.9	1	0.3	81.5	0.09	<0.05	0.15
L785825		2.2	11.5	670	19.5	100.0	0.004	0.89	2.32	13.0	2	0.8	290	0.13	2.89	2.55
L785826		1.2	41.9	290	1.5	7.6	<0.002	<0.01	0.23	24.3	1	0.3	148.0	0.08	<0.05	0.19
P240885		2.6	22.7	300	46.6	36.4	<0.002	0.12	0.37	21.6	1	0.8	26.3	0.13	0.11	0.29
P240886		1.5	14.4	230	10.5	25.5	<0.002	0.32	0.33	14.4	1	0.9	21.8	0.09	<0.05	0.19
P240887		2.7	28.4	480	6.7	36.7	<0.002	0.27	0.35	32.4	1	0.9	54.1	0.18	<0.05	0.35
P240888		1.1	16.1	140	3.6	39.0	<0.002	0.23	0.30	15.7	1	0.7	23.4	0.08	<0.05	0.16
P240889		1.7	23.4	280	12.2	41.3	<0.002	0.34	0.32	24.7	1	0.9	37.7	0.12	<0.05	0.21
P240890		2.3	23.9	350	40.7	50.4	<0.002	0.26	0.35	24.6	2	1.3	37.7	0.13	0.46	0.25
P240891		1.5	17.1	170	987	28.5	<0.002	0.54	0.46	13.5	3	1.0	17.5	0.09	0.56	0.18
P240892		1.6	20.2	210	11.2	29.5	<0.002	0.62	0.37	17.9	1	0.8	45.4	0.10	<0.05	0.19
P240893		2.8	30.4	510	12.1	57.6	0.002	0.58	0.41	33.0	1	1.0	70.7	0.18	<0.05	0.35
P240894		1.7	26.5	260	898	47.4	<0.002	0.17	0.43	25.8	2	0.8	24.6	0.11	0.37	0.22
P240895		1.3	14.0	160	173.5	27.1	<0.002	0.11	0.26	11.5	1	0.5	18.8	0.06	0.14	0.14
P240896		2.8	37.3	420	9.1	42.1	<0.002	0.34	0.40	38.1	1	1.3	76.0	0.19	<0.05	0.32
P240897		2.8	36.3	510	5.9	45.1	0.002	0.35	0.42	39.2	1	1.0	77.2	0.21	0.06	0.36
P240898		3.7	15.6	750	3.1	2.1	0.002	0.15	0.52	37.5	1	0.7	72.6	0.26	<0.05	0.52
P240899		2.0	69.5	370	2.0	9.6	<0.002	0.08	0.42	44.7	1	0.4	69.7	0.12	<0.05	0.32
P240900		18.4	111.5	1410	12.3	74.4	<0.002	0.59	1.15	18.3	1	3.1	284	1.14	<0.05	8.08

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.1	1	0.1	0.1	2	0.5
L785801		0.877	0.03	0.2	108	2.4	35.9	111	106.0
L785802		0.792	0.10	0.1	107	10.9	21.3	134	106.5
L785803		0.807	0.16	0.2	113	11.0	26.2	126	122.0
L785804		0.871	0.02	0.2	109	0.8	26.9	133	99.9
L785805		0.540	0.09	0.1	125	1.5	20.0	129	96.3
L785806		0.628	0.21	0.1	185	5.4	21.5	109	80.7
L785807		0.062	0.05	<0.1	30	1.4	3.4	25	8.2
L785808		0.488	0.06	0.1	111	3.0	23.6	99	61.1
L785809		0.260	0.06	<0.1	145	1.6	13.7	82	23.7
L785810		0.434	0.10	0.1	239	3.7	16.6	114	43.7
L785811		0.461	0.22	0.1	265	5.4	24.2	103	44.5
L785812		0.322	0.14	0.1	183	2.9	12.7	72	31.8
L785813		0.267	0.07	0.1	119	1.1	7.8	57	25.6
L785822		<0.005	<0.02	<0.1	4	<0.1	0.6	2	<0.5
L785823		0.512	0.16	0.1	152	3.7	18.3	66	44.7
L785824		0.359	0.12	<0.1	112	14.2	9.3	53	30.6
L785825		0.284	1.00	0.7	107	3.6	10.4	94	67.9
L785826		0.369	0.04	0.1	219	0.2	11.2	77	20.3
P240885		0.506	0.15	0.1	159	16.5	12.4	127	48.0
P240886		0.359	0.11	0.1	118	8.6	10.0	64	32.6
P240887		0.744	0.14	0.1	235	21.1	19.8	75	75.0
P240888		0.318	0.16	<0.1	116	9.2	8.6	34	25.8
P240889		0.536	0.17	0.1	170	10.6	9.1	56	40.0
P240890		0.527	0.20	0.1	165	19.4	12.0	72	40.4
P240891		0.323	0.13	0.1	115	12.0	8.4	132	28.8
P240892		0.401	0.15	0.1	132	11.9	11.8	71	31.5
P240893		0.714	0.22	0.1	239	24.7	18.7	81	62.1
P240894		0.468	0.17	0.1	167	10.4	10.1	751	35.1
P240895		0.254	0.12	<0.1	89	7.4	7.5	162	20.3
P240896		0.837	0.17	0.1	286	16.7	21.6	114	59.7
P240897		0.863	0.19	0.1	283	12.9	20.2	90	65.6
P240898		0.958	0.02	0.2	259	6.0	22.0	147	82.4
P240899		0.584	0.04	0.1	313	3.6	12.6	97	39.7
P240900		0.741	0.37	1.7	133	1.8	23.2	118	131.5

***** 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: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

CERTIFICATE OF ANALYSIS SD19255248

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

Applies to Method:				
	CRU-31	CRU-QC	LOG-22	LOG-23
	PUL-32	PUL-QC	SPL-21	WEI-21

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

Applies to Method:			
	Au-GRA21	Au-ICP21	ME-MS61

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

QC CERTIFICATE SD18289599

Project: Pgen- 002

This report is for 9 Rock samples submitted to our lab in Sudbury, ON, Canada on 15- NOV- 2018.

The following have access to data associated with this certificate:

JAKE BURDEN GRANT MOURRE	GREG COLLINS	THOMAS HART

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 21	Crush entire sample > 70% - 6 mm
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- 32	Pulverize 1000g to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS61	48 element four acid ICP- MS	
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
Au- GRA21	Au 30g FA- GRAV finish	WST- SIM

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:

Colin Ramshaw, Vancouver Laboratory Manager

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

QC CERTIFICATE OF ANALYSIS SD18289599

Sample Description	Method Analyte Units LOD	Au- ICP21 Au ppm 0.001	Au- GRA21 Au ppm 0.05	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
STANDARDS																
AMIS0486		0.204														
AMIS0486		0.213														
Target Range - Lower Bound																
Upper Bound																
CDN- ME1606			1.11													
Target Range - Lower Bound			0.95													
Upper Bound			1.18													
EMOG- 17				66.9	4.76	600	500	1.81	5.63	1.97	21.5	48.0	767	56	7.72	8300
Target Range - Lower Bound				60.9	4.18	515	310	1.60	5.31	1.72	18.15	42.9	686	49	6.56	7750
Upper Bound				74.5	5.13	629	440	2.06	6.51	2.12	22.2	52.5	838	62	8.12	8910
G913- 10		7.30														
Target Range - Lower Bound		6.66														
Upper Bound		7.52														
G915- 10			49.5													
Target Range - Lower Bound			45.7													
Upper Bound			51.7													
G915- 7			12.05													
Target Range - Lower Bound			11.60													
Upper Bound			13.15													
GPP- 14		0.935														
Target Range - Lower Bound		0.853														
Upper Bound		0.965														
JK- 17			1.95													
Target Range - Lower Bound			1.83													
Upper Bound			2.17													
JK- 17		1.970														
JK- 17		1.965														
Target Range - Lower Bound		1.875														
Upper Bound		2.12														
OREAS 503c		0.692														
OREAS 503c		0.695														
Target Range - Lower Bound		0.655														
Upper Bound		0.741														
OREAS 684		0.259														
Target Range - Lower Bound																
Upper Bound																
PK2		4.93														

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

QC CERTIFICATE OF ANALYSIS SD18289599

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
STANDARDS																
AMIS0486																
AMIS0486																
Target Range - Lower Bound																
Upper Bound																
CDN- ME1606																
Target Range - Lower Bound																
Upper Bound																
EMOG- 17		4.91	12.20	0.08	1.9	0.938	1.68	24.1	29.2	0.97	749	1100	1.12	14.6	7700	840
Target Range - Lower Bound		4.42	10.75	0.07	1.6	0.823	1.49	20.7	23.9	0.86	670	997	0.99	12.7	6820	700
Upper Bound		5.42	13.25	0.29	2.2	1.015	1.85	26.4	29.7	1.08	830	1220	1.23	15.7	8330	880
G913- 10																
Target Range - Lower Bound																
Upper Bound																
G915- 10																
Target Range - Lower Bound																
Upper Bound																
G915- 7																
Target Range - Lower Bound																
Upper Bound																
GPP- 14																
Target Range - Lower Bound																
Upper Bound																
JK- 17																
Target Range - Lower Bound																
Upper Bound																
JK- 17																
JK- 17																
Target Range - Lower Bound																
Upper Bound																
OREAS 503c																
OREAS 503c																
Target Range - Lower Bound																
Upper Bound																
OREAS 684																
Target Range - Lower Bound																
Upper Bound																
PK2																

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

QC CERTIFICATE OF ANALYSIS SD18289599

Sample Description	Method Analyte Units LOD	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.01	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
STANDARDS																
AMIS0486																
AMIS0486																
Target Range - Lower Bound																
Upper Bound																
CDN- ME1606																
Target Range - Lower Bound																
Upper Bound																
EMOG- 17		7480	111.0	0.301	3.33	818	7.7	7	2.7	217	0.94	1.31	11.30	0.328	2.24	3.3
Target Range - Lower Bound		6570	98.9	0.286	2.91	643	7.2	4	2.2	184.5	0.78	1.10	10.35	0.294	1.89	2.8
Upper Bound		8030	121.0	0.354	3.57	869	9.0	9	3.2	226	1.08	1.46	12.65	0.370	2.61	3.7
G913- 10																
Target Range - Lower Bound																
Upper Bound																
G915- 10																
Target Range - Lower Bound																
Upper Bound																
G915- 7																
Target Range - Lower Bound																
Upper Bound																
GPP- 14																
Target Range - Lower Bound																
Upper Bound																
JK- 17																
Target Range - Lower Bound																
Upper Bound																
JK- 17																
JK- 17																
Target Range - Lower Bound																
Upper Bound																
OREAS 503c																
OREAS 503c																
Target Range - Lower Bound																
Upper Bound																
OREAS 684																
Target Range - Lower Bound																
Upper Bound																
PK2																

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

QC CERTIFICATE OF ANALYSIS SD18289599

Sample Description	Method Analyte Units LOD	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
STANDARDS						
AMIS0486						
AMIS0486						
Target Range - Lower Bound						
Upper Bound						
CDN- ME1606						
Target Range - Lower Bound						
Upper Bound						
EMOG- 17		75	4.1	15.8	7730	63.5
Target Range - Lower Bound		67	3.3	14.3	6800	55.6
Upper Bound		84	4.7	17.7	8320	76.4
G913- 10						
Target Range - Lower Bound						
Upper Bound						
G915- 10						
Target Range - Lower Bound						
Upper Bound						
G915- 7						
Target Range - Lower Bound						
Upper Bound						
GPP- 14						
Target Range - Lower Bound						
Upper Bound						
JK- 17						
Target Range - Lower Bound						
Upper Bound						
JK- 17						
JK- 17						
Target Range - Lower Bound						
Upper Bound						
OREAS 503c						
OREAS 503c						
Target Range - Lower Bound						
Upper Bound						
OREAS 684						
Target Range - Lower Bound						
Upper Bound						
PK2						

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

QC CERTIFICATE OF ANALYSIS SD18289599

Sample Description	Method	Au- ICP21	Au- GRA21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Au	Au	Ag	Al	As	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	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
STANDARDS																
Target Range - Lower Bound		4.50														
Upper Bound		5.07														
PMP- 18		0.305														
Target Range - Lower Bound		0.281														
Upper Bound		0.319														
BLANKS																
BLANK			<0.05													
BLANK			<0.05													
Target Range - Lower Bound			<0.05													
Upper Bound			0.10													
BLANK		<0.001														
BLANK		<0.001														
BLANK		0.002														
Target Range - Lower Bound		<0.001														
Upper Bound		0.002														
BLANK				<0.01	<0.01	<0.2	<10	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2
Target Range - Lower Bound				<0.01	<0.01	<0.2	<10	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2
Upper Bound				0.02	0.02	0.4	20	0.10	0.02	0.02	0.04	0.02	0.2	2	0.10	0.4
DUPLICATES																
ORIGINAL			<0.05													
DUP			<0.05													
Target Range - Lower Bound			<0.05													
Upper Bound			0.10													
ORIGINAL			0.07													
DUP			0.07													
Target Range - Lower Bound			<0.05													
Upper Bound			0.10													

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

QC CERTIFICATE OF ANALYSIS SD18289599

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
STANDARDS																
Target Range - Lower Bound																
Upper Bound																
PMP- 18																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.01	<0.05	<0.05	<0.1	0.007	<0.01	<0.5	0.3	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10
Target Range - Lower Bound		<0.01	<0.05	<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10
Upper Bound		0.02	0.10	0.10	0.2	0.010	0.02	1.0	0.4	0.02	10	0.10	0.02	0.2	0.4	20
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

QC CERTIFICATE OF ANALYSIS SD18289599

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
STANDARDS																
Target Range - Lower Bound																
Upper Bound																
PMP- 18																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	0.02	<0.1
Target Range - Lower Bound		<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1
Upper Bound		1.0	0.2	0.004	0.02	0.10	0.2	2	0.4	0.4	0.10	0.10	0.02	0.010	0.04	0.2
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

QC CERTIFICATE OF ANALYSIS SD18289599

Sample Description	Method Analyte Units LOD	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
STANDARDS						
Target Range - Lower Bound						
Upper Bound						
PMP- 18						
Target Range - Lower Bound						
Upper Bound						
BLANKS						
BLANK						
BLANK						
Target Range - Lower Bound						
Upper Bound						
BLANK						
BLANK						
BLANK						
Target Range - Lower Bound						
Upper Bound						
BLANK		<1	<0.1	<0.1	<2	<0.5
Target Range - Lower Bound		<1	<0.1	<0.1	<2	<0.5
Upper Bound		2	0.2	0.2	4	1.0
DUPLICATES						
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

QC CERTIFICATE OF ANALYSIS SD18289599

Sample Description	Method	Au- ICP21	Au- GRA21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Au	Au	Ag	Al	As	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	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
DUPLICATES																
ORIGINAL		0.219														
DUP		0.160														
Target Range - Lower Bound		0.179														
Upper Bound		0.200														
ORIGINAL		0.020														
DUP		0.027														
Target Range - Lower Bound		0.021														
Upper Bound		0.026														
ORIGINAL			12.80													
DUP			12.15													
Target Range - Lower Bound			11.80													
Upper Bound			13.15													
ORIGINAL		0.102														
DUP		0.060														
Target Range - Lower Bound		0.076														
Upper Bound		0.086														
ORIGINAL		<0.001														
DUP		<0.001														
Target Range - Lower Bound		<0.001														
Upper Bound		0.002														
ORIGINAL				0.07	7.33	4.1	850	1.40	0.20	1.59	0.08	57.7	11.8	66	3.44	30.5
DUP				0.07	7.44	4.5	840	1.35	0.20	1.62	0.07	62.3	12.4	66	3.64	32.3
Target Range - Lower Bound				0.06	7.01	3.9	770	1.26	0.18	1.51	0.05	57.0	11.4	62	3.31	30.1
Upper Bound				0.08	7.76	4.7	920	1.49	0.22	1.70	0.10	63.0	12.8	70	3.77	32.7
ORIGINAL			4.35													
DUP			4.37													
Target Range - Lower Bound			4.09													
Upper Bound			4.63													
ORIGINAL		0.002														
DUP		0.004														
Target Range - Lower Bound		0.002														
Upper Bound		0.004														

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

ALS Canada Ltd.

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

QC CERTIFICATE OF ANALYSIS SD18289599

Sample Description	Method / Analyte / Units / LOD	ME- MS61 Fe % 0.01	ME- MS61 Ga ppm 0.05	ME- MS61 Ge ppm 0.05	ME- MS61 Hf ppm 0.1	ME- MS61 In ppm 0.005	ME- MS61 K % 0.01	ME- MS61 La ppm 0.5	ME- MS61 Li ppm 0.2	ME- MS61 Mg % 0.01	ME- MS61 Mn ppm 5	ME- MS61 Mo ppm 0.05	ME- MS61 Na % 0.01	ME- MS61 Nb ppm 0.1	ME- MS61 Ni ppm 0.2	ME- MS61 P ppm 10
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		3.27	15.60	0.08	3.5	0.031	1.93	31.2	40.4	1.02	431	0.84	2.96	4.7	28.9	580
DUP		3.35	16.80	0.06	3.8	0.034	1.97	32.6	40.7	1.05	444	0.82	3.03	5.0	30.6	600
Target Range - Lower Bound		3.13	15.35	<0.05	3.4	0.026	1.84	29.8	38.3	0.97	411	0.74	2.84	4.5	28.1	550
Upper Bound		3.49	17.05	0.10	3.9	0.039	2.06	34.0	42.8	1.10	464	0.92	3.15	5.2	31.4	630
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

QC CERTIFICATE OF ANALYSIS SD18289599

Sample Description	Method / Analyte / Units / LOD	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.01	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		14.3	73.3	<0.002	0.11	0.61	8.1	1	0.8	510	0.39	0.05	9.45	0.248	0.37	2.1
DUP		15.7	78.5	<0.002	0.11	0.68	8.6	<1	0.8	522	0.41	<0.05	9.49	0.250	0.38	2.2
Target Range - Lower Bound		13.8	72.0	<0.002	0.09	0.55	7.8	<1	0.6	490	0.33	<0.05	8.99	0.232	0.33	1.9
Upper Bound		16.3	79.8	0.004	0.13	0.74	8.9	2	1.0	542	0.47	0.10	9.95	0.266	0.42	2.4
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

QC CERTIFICATE OF ANALYSIS SD18289599

Sample Description	Method / Analyte / Units / LOD	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
DUPLICATES						
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						
ORIGINAL		72	0.8	7.4	64	129.5
DUP		74	0.8	8.1	65	142.0
Target Range - Lower Bound		68	0.6	7.3	59	125.0
Upper Bound		78	1.0	8.2	70	146.5
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						

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

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

QC CERTIFICATE OF ANALYSIS SD18289599

Sample Description	Method	Au- ICP21	Au- GRA21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Au	Au	Ag	Al	As	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	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
DUPLICATES																
ORIGINAL		0.005														
DUP		0.005														
Target Range - Lower Bound		0.004														
Upper Bound		0.006														
ORIGINAL		0.008														
DUP		0.008														
Target Range - Lower Bound		0.007														
Upper Bound		0.009														
ORIGINAL		0.199														
DUP		0.197														
Target Range - Lower Bound		0.187														
Upper Bound		0.209														

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

QC CERTIFICATE OF ANALYSIS SD18289599

Sample Description	Method Analyte Units LOD	ME- MS61 Fe % 0.01	ME- MS61 Ga ppm 0.05	ME- MS61 Ge ppm 0.05	ME- MS61 Hf ppm 0.1	ME- MS61 In ppm 0.005	ME- MS61 K % 0.01	ME- MS61 La ppm 0.5	ME- MS61 Li ppm 0.2	ME- MS61 Mg % 0.01	ME- MS61 Mn ppm 5	ME- MS61 Mo ppm 0.05	ME- MS61 Na % 0.01	ME- MS61 Nb ppm 0.1	ME- MS61 Ni ppm 0.2	ME- MS61 P ppm 10
								DUPLICATES								
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

QC CERTIFICATE OF ANALYSIS SD18289599

Sample Description	Method / Analyte / Units / LOD	ME- MS61 Pb ppm 0.5	ME- MS61 Rb ppm 0.1	ME- MS61 Re ppm 0.002	ME- MS61 S % 0.01	ME- MS61 Sb ppm 0.05	ME- MS61 Sc ppm 0.1	ME- MS61 Se ppm 1	ME- MS61 Sn ppm 0.2	ME- MS61 Sr ppm 0.2	ME- MS61 Ta ppm 0.05	ME- MS61 Te ppm 0.05	ME- MS61 Th ppm 0.01	ME- MS61 Ti % 0.005	ME- MS61 Tl ppm 0.02	ME- MS61 U ppm 0.1
								DUPLICATES								
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

QC CERTIFICATE OF ANALYSIS SD18289599

Sample Description	Method Analyte Units LOD	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
		DUPLICATES				
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						

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

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 29- NOV- 2018
Account: TRAMET

Project: Pgen- 002

QC CERTIFICATE OF ANALYSIS SD18289599

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Sudbury located at 1351- B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

CRU- 21	CRU- 31	CRU- QC	LOG- 22
PUL- 32	PUL- QC	SPL- 21	WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- GRA21	Au- ICP21	ME- MS61

ALS Canada Ltd.
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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

QC CERTIFICATE SD19255248

Project: Cryderman

This report is for 234 Rock samples submitted to our lab in Sudbury, ON, Canada on 10-OCT-2019.

The following have access to data associated with this certificate:

JAKE BURDEN GRANT MOURRE	GREG COLLINS BEN WILLIAMS	THOMAS HART

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-MS61	48 element four acid ICP-MS	
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

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: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	Au-ICP21	Au-GRA21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Au	Au	Ag	Al	As	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	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
STANDARDS																
CDN-ME1810			4.43													
Target Range - Lower Bound			4.10													
Upper Bound			4.72													
EMOG-17				67.4	4.65	607	330	1.77	5.78	1.93	20.8	49.3	755	58	7.48	8140
EMOG-17				68.3	4.71	615	330	1.76	5.83	1.96	21.1	48.2	770	59	7.40	8340
EMOG-17				69.8	4.71	612	280	1.83	5.54	1.97	21.4	48.8	770	57	7.00	8220
EMOG-17				67.0	4.67	599	230	1.84	5.88	1.94	20.9	46.4	759	55	7.41	8120
Target Range - Lower Bound				60.9	4.18	522	310	1.60	5.31	1.72	18.15	42.9	686	49	6.56	7750
Upper Bound				74.5	5.13	638	440	2.06	6.51	2.12	22.2	52.5	838	62	8.12	8910
G313-5		7.30														
G313-5		7.11														
G313-5		7.23														
G313-5		7.31														
Target Range - Lower Bound		6.64														
Upper Bound		7.50														
G915-7			12.25													
G915-7			11.85													
Target Range - Lower Bound			11.60													
Upper Bound			13.15													
GPP-14		0.911														
GPP-14		0.898														
GPP-14		0.914														
GPP-14		0.929														
Target Range - Lower Bound		0.853														
Upper Bound		0.965														
KIP-19		2.41														
KIP-19		2.47														
KIP-19		2.41														
Target Range - Lower Bound		2.28														
Upper Bound		2.58														
MRGeo08				4.23	7.74	34.1	1120	3.34	0.61	2.74	2.30	71.3	18.5	94	11.50	631
MRGeo08				4.43	7.54	34.6	1180	3.23	0.63	2.69	2.31	67.3	19.8	93	12.45	615
MRGeo08				4.53	7.67	33.2	1210	3.31	0.62	2.76	2.40	68.7	19.2	95	11.65	638
MRGeo08				4.24	7.36	33.2	1130	3.38	0.69	2.76	2.42	60.7	19.9	96	11.80	628
MRGeo08				4.28	7.34	32.4	1090	3.37	0.63	2.68	2.16	74.0	19.5	95	12.95	613
Target Range - Lower Bound				3.93	6.64	29.5	920	2.98	0.58	2.35	2.00	66.2	17.7	81	11.20	587
Upper Bound				4.83	8.14	36.5	1270	3.76	0.73	2.90	2.48	81.0	21.9	102	13.80	675

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
STANDARDS																
CDN-ME1810																
Target Range - Lower Bound																
Upper Bound																
EMOG-17		4.86	12.20	0.12	1.8	0.971	1.65	25.1	26.9	0.94	732	1060	1.10	15.2	7520	820
EMOG-17		4.94	12.15	0.12	1.8	0.934	1.67	25.8	25.8	0.96	737	1080	1.11	14.5	7660	830
EMOG-17		4.91	12.90	0.17	1.8	0.936	1.68	24.5	25.9	0.96	749	1080	1.10	14.4	7660	830
EMOG-17		4.84	12.75	0.17	1.8	0.924	1.66	25.4	26.7	0.94	726	1060	1.10	14.5	7580	820
Target Range - Lower Bound		4.42	10.75	0.07	1.6	0.823	1.49	20.7	23.9	0.86	670	997	0.99	12.7	6820	700
Upper Bound		5.42	13.25	0.29	2.2	1.015	1.85	26.4	29.7	1.08	830	1220	1.23	15.7	8330	880
G313-5																
G313-5																
G313-5																
G313-5																
Target Range - Lower Bound																
Upper Bound																
G915-7																
G915-7																
Target Range - Lower Bound																
Upper Bound																
GPP-14																
GPP-14																
GPP-14																
GPP-14																
Target Range - Lower Bound																
Upper Bound																
KIP-19																
KIP-19																
KIP-19																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		3.99	17.50	0.16	2.9	0.157	3.25	33.3	32.2	1.35	572	14.15	2.02	19.7	714	1080
MRGeo08		3.98	18.60	0.13	3.1	0.172	3.18	32.5	32.4	1.32	550	14.45	2.02	21.0	708	1070
MRGeo08		4.08	19.50	0.14	2.9	0.170	3.24	32.9	31.6	1.35	565	14.50	2.06	22.0	725	1090
MRGeo08		4.02	19.40	0.16	3.2	0.179	3.24	30.2	33.0	1.33	570	15.20	2.04	19.9	724	1070
MRGeo08		3.97	19.20	0.13	3.0	0.168	3.06	34.3	34.9	1.30	554	14.50	1.97	20.9	702	1050
Target Range - Lower Bound		3.55	17.50	<0.05	2.8	0.155	2.79	31.1	29.5	1.17	497	13.65	1.76	19.0	622	930
Upper Bound		4.37	21.5	0.27	3.6	0.201	3.43	39.1	36.5	1.45	619	16.75	2.18	23.4	760	1160

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

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
STANDARDS																
CDN-ME1810																
Target Range - Lower Bound																
Upper Bound																
EMOG-17		7250	113.5	0.316	3.29	807	8.2	7	2.6	209	0.91	1.29	11.20	0.318	2.19	3.2
EMOG-17		7330	110.0	0.326	3.33	825	8.1	6	2.5	212	0.90	1.36	11.45	0.324	2.23	3.3
EMOG-17		7370	110.5	0.310	3.34	813	7.9	8	2.7	210	0.93	1.36	10.65	0.324	2.17	3.2
EMOG-17		7250	110.5	0.309	3.28	804	8.3	6	2.7	207	0.95	1.37	10.90	0.317	2.23	3.2
Target Range - Lower Bound		6570	98.9	0.286	2.91	643	7.2	4	2.2	184.5	0.78	1.10	10.35	0.294	1.89	2.8
Upper Bound		8030	121.0	0.354	3.57	869	9.0	9	3.2	226	1.08	1.46	12.65	0.370	2.61	3.7
G313-5																
G313-5																
G313-5																
G313-5																
Target Range - Lower Bound																
Upper Bound																
G915-7																
G915-7																
Target Range - Lower Bound																
Upper Bound																
GPP-14																
GPP-14																
GPP-14																
GPP-14																
Target Range - Lower Bound																
Upper Bound																
KIP-19																
KIP-19																
KIP-19																
Target Range - Lower Bound																
Upper Bound																
MRGeo08		1105	187.0	0.007	0.31	4.15	11.2	1	3.8	315	1.36	<0.05	18.30	0.502	1.11	4.9
MRGeo08		1095	178.0	0.010	0.31	4.41	11.4	2	3.9	313	1.52	<0.05	18.60	0.499	1.07	5.4
MRGeo08		1125	174.5	0.006	0.32	4.57	11.5	1	4.3	320	1.42	<0.05	17.95	0.511	1.12	5.0
MRGeo08		1125	173.0	0.005	0.32	4.66	11.4	1	4.0	317	1.61	<0.05	15.85	0.511	1.14	5.0
MRGeo08		1080	194.5	0.008	0.30	4.39	12.0	3	3.7	306	1.44	<0.05	20.0	0.494	1.02	5.3
Target Range - Lower Bound		971	173.5	0.004	0.27	3.89	11.1	<1	3.5	277	1.39	<0.05	17.90	0.443	0.86	4.9
Upper Bound		1185	212	0.013	0.35	5.39	13.7	4	4.7	339	1.81	0.12	21.9	0.553	1.21	6.2

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

ALS Canada Ltd.
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www.alsglobal.com/geochemistry

To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
STANDARDS						
CDN-ME1810						
Target Range - Lower Bound						
Upper Bound						
EMOG-17		73	3.7	17.1	7450	65.8
EMOG-17		74	3.8	16.4	7510	62.4
EMOG-17		74	4.4	15.5	7570	66.1
EMOG-17		74	4.5	15.0	7370	66.3
Target Range - Lower Bound		67	3.3	14.3	6800	55.6
Upper Bound		84	4.7	17.7	8320	76.4
G313-5						
G313-5						
G313-5						
G313-5						
Target Range - Lower Bound						
Upper Bound						
G915-7						
G915-7						
Target Range - Lower Bound						
Upper Bound						
GPP-14						
GPP-14						
GPP-14						
GPP-14						
Target Range - Lower Bound						
Upper Bound						
KIP-19						
KIP-19						
KIP-19						
Target Range - Lower Bound						
Upper Bound						
MRGeo08		112	4.7	25.0	811	101.0
MRGeo08		111	4.7	25.9	803	106.0
MRGeo08		112	5.1	25.8	824	104.5
MRGeo08		113	5.2	24.1	826	106.0
MRGeo08		108	4.4	25.9	797	108.0
Target Range - Lower Bound		97	4.1	23.8	722	92.2
Upper Bound		121	5.8	29.3	886	126.0

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method Analyte Units LOD	Au-ICP21 Au ppm 0.001	Au-GRA21 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
STANDARDS																
OREAS 252		0.689														
OREAS 252		0.640														
OREAS 252		0.671														
OREAS 252		0.691														
Target Range - Lower Bound		0.633														
Upper Bound		0.715														
OREAS 684		0.251														
OREAS 684		0.246														
OREAS 684		0.250														
Target Range - Lower Bound																
Upper Bound																
OREAS 905				0.54	7.38	35.3	2780	2.82	5.35	0.61	0.33	93.0	14.3	19	6.50	1470
OREAS 905				0.55	7.51	37.6	3000	3.05	5.66	0.62	0.35	95.3	14.8	20	7.15	1510
OREAS 905				0.56	7.76	37.0	3060	3.00	5.48	0.63	0.35	101.0	15.2	21	6.99	1545
OREAS 905				0.57	7.62	36.3	2880	3.12	6.09	0.63	0.41	99.7	16.2	19	7.36	1525
OREAS 905				0.55	7.51	37.3	2800	3.25	5.65	0.60	0.32	96.0	15.5	20	7.01	1520
Target Range - Lower Bound				0.46	6.67	31.0	2280	2.69	5.14	0.52	0.30	82.8	13.2	16	6.05	1425
Upper Bound				0.58	8.17	38.4	3110	3.39	6.30	0.66	0.42	101.0	16.4	22	7.51	1640
OREAS 920				0.10	7.88	5.4	600	2.68	0.67	0.51	0.05	97.8	15.8	86	8.96	110.5
OREAS 920				0.11	7.70	5.4	590	2.65	1.46	0.50	0.06	96.9	15.9	84	8.87	107.5
OREAS 920				0.12	7.90	6.3	580	2.97	0.63	0.51	0.04	99.2	15.3	87	8.61	115.5
OREAS 920				0.10	7.90	5.9	560	2.82	0.66	0.53	0.05	99.3	16.1	82	9.13	110.0
Target Range - Lower Bound				0.08	6.91	4.6	450	2.54	0.61	0.44	0.04	84.6	13.9	70	7.72	104.0
Upper Bound				0.13	8.47	6.1	640	3.22	0.77	0.56	0.12	103.5	17.3	88	9.54	120.0
OREAS-261		0.046														
Target Range - Lower Bound		0.045														
Upper Bound		0.053														
OREAS-45h		0.039														
OREAS-45h		0.038														
OREAS-45h		0.041														
Target Range - Lower Bound																
Upper Bound																
PK2		4.87														
PK2		5.12														
PK2		4.92														
Target Range - Lower Bound		4.50														
Upper Bound		5.07														
PMP-18		0.305														

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
STANDARDS																
OREAS 252																
OREAS 252																
OREAS 252																
OREAS 252																
Target Range - Lower Bound																
Upper Bound																
OREAS 684																
OREAS 684																
OREAS 684																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		3.99	23.4	0.17	6.6	0.647	2.87	44.3	19.7	0.26	377	3.07	2.38	17.2	9.0	280
OREAS 905		4.10	25.1	0.15	7.0	0.676	2.96	49.0	21.3	0.27	375	3.40	2.41	19.0	9.2	270
OREAS 905		4.19	26.3	0.20	6.9	0.656	3.02	50.4	19.8	0.27	382	3.46	2.47	19.4	9.9	290
OREAS 905		4.12	27.4	0.16	7.1	0.696	3.02	50.3	22.1	0.27	381	3.64	2.45	19.7	10.2	280
OREAS 905		4.06	26.7	0.19	6.9	0.669	2.90	47.2	19.9	0.26	373	3.22	2.45	19.5	9.7	270
Target Range - Lower Bound		3.66	22.5	<0.05	6.1	0.571	2.58	40.9	17.8	0.24	333	2.89	2.15	16.2	8.4	240
Upper Bound		4.50	27.7	0.27	7.6	0.709	3.18	51.1	22.2	0.31	418	3.65	2.65	20.0	10.7	320
OREAS 920		4.11	20.0	0.14	4.5	0.088	2.94	47.5	28.9	1.35	598	0.39	0.65	17.9	40.5	760
OREAS 920		4.02	20.2	0.14	4.6	0.082	2.84	48.5	29.4	1.33	584	0.41	0.63	17.5	41.3	750
OREAS 920		4.13	22.7	0.21	4.8	0.089	2.96	48.5	28.7	1.37	604	0.49	0.65	18.5	42.9	760
OREAS 920		4.04	21.8	0.18	4.7	0.091	2.90	47.3	30.6	1.33	595	0.54	0.63	18.8	41.4	750
Target Range - Lower Bound		3.72	18.65	0.06	4.0	0.070	2.59	41.0	26.0	1.23	535	0.34	0.56	15.6	37.4	640
Upper Bound		4.56	22.9	0.28	5.2	0.098	3.19	51.2	32.2	1.53	665	0.58	0.71	19.2	46.2	800
OREAS-261																
Target Range - Lower Bound																
Upper Bound																
OREAS-45h																
OREAS-45h																
OREAS-45h																
Target Range - Lower Bound																
Upper Bound																
PK2																
PK2																
PK2																
Target Range - Lower Bound																
Upper Bound																
PMP-18																

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method Analyte Units LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
STANDARDS																
OREAS 252																
OREAS 252																
OREAS 252																
OREAS 252																
Target Range - Lower Bound																
Upper Bound																
OREAS 684																
OREAS 684																
OREAS 684																
Target Range - Lower Bound																
Upper Bound																
OREAS 905		28.5	132.5	<0.002	0.07	1.89	4.8	3	3.9	158.5	1.20	0.08	13.10	0.121	0.72	4.4
OREAS 905		29.8	139.0	<0.002	0.07	2.09	5.0	3	4.0	161.5	1.31	0.09	15.60	0.123	0.69	5.0
OREAS 905		29.3	147.0	<0.002	0.07	2.06	5.1	4	4.3	166.5	1.31	0.07	14.10	0.125	0.80	4.7
OREAS 905		29.5	150.5	<0.002	0.07	2.26	5.3	3	4.2	165.5	1.45	0.10	15.85	0.124	0.77	5.2
OREAS 905		28.9	143.0	<0.002	0.07	2.07	4.9	4	3.8	161.0	1.34	0.08	15.45	0.121	0.71	5.0
Target Range - Lower Bound		26.9	124.0	<0.002	0.04	1.61	4.3	<1	3.4	141.0	1.16	<0.05	13.15	0.105	0.58	4.4
Upper Bound		33.9	152.0	0.004	0.09	2.29	5.5	4	4.6	173.0	1.52	0.17	16.05	0.139	0.83	5.6
OREAS 920		24.6	184.0	<0.002	0.03	1.49	13.9	1	4.9	83.9	1.30	<0.05	20.3	0.483	0.92	3.7
OREAS 920		23.4	177.0	<0.002	0.03	1.45	14.1	1	4.7	81.1	1.33	<0.05	19.95	0.472	0.94	3.8
OREAS 920		23.7	181.5	<0.002	0.03	1.56	14.1	1	5.6	84.2	1.29	<0.05	20.9	0.490	1.00	3.6
OREAS 920		23.1	179.5	<0.002	0.03	1.71	14.6	<1	5.2	83.6	1.41	<0.05	20.4	0.473	0.94	4.1
Target Range - Lower Bound		20.7	158.5	<0.002	<0.01	1.22	12.8	<1	4.3	73.6	1.08	<0.05	17.35	0.434	0.73	3.3
Upper Bound		26.4	193.5	0.004	0.05	1.76	15.8	2	5.7	90.4	1.43	0.12	21.2	0.542	1.03	4.2
OREAS-261																
Target Range - Lower Bound																
Upper Bound																
OREAS-45h																
OREAS-45h																
OREAS-45h																
Target Range - Lower Bound																
Upper Bound																
PK2																
PK2																
PK2																
Target Range - Lower Bound																
Upper Bound																
PMP-18																

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

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
STANDARDS						
OREAS 252						
OREAS 252						
OREAS 252						
OREAS 252						
Target Range - Lower Bound						
Upper Bound						
OREAS 684						
OREAS 684						
OREAS 684						
Target Range - Lower Bound						
Upper Bound						
OREAS 905		10	2.7	15.0	136	249
OREAS 905		10	2.7	17.2	139	265
OREAS 905		10	3.0	17.1	142	269
OREAS 905		10	3.0	16.1	141	266
OREAS 905		10	2.7	16.6	138	263
Target Range - Lower Bound		8	2.3	14.0	122	214
Upper Bound		13	3.3	17.4	154	290
OREAS 920		98	3.0	35.2	119	164.5
OREAS 920		96	3.1	35.1	118	156.5
OREAS 920		101	3.3	34.5	121	168.5
OREAS 920		97	3.2	36.3	118	157.5
Target Range - Lower Bound		86	2.5	29.8	102	128.0
Upper Bound		108	3.7	36.6	130	174.0
OREAS-261						
Target Range - Lower Bound						
Upper Bound						
OREAS-45h						
OREAS-45h						
OREAS-45h						
Target Range - Lower Bound						
Upper Bound						
PK2						
PK2						
PK2						
Target Range - Lower Bound						
Upper Bound						
PMP-18						

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	Au-ICP21	Au-GRA21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Au	Au	Ag	Al	As	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	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
STANDARDS																
PMP-18		0.314														
PMP-18		0.299														
Target Range - Lower Bound		0.289														
Upper Bound		0.327														
BLANKS																
BLANK			<0.05													
BLANK			<0.05													
Target Range - Lower Bound			<0.05													
Upper Bound			0.10													
BLANK		<0.001														
BLANK		<0.001														
BLANK		<0.001														
BLANK		<0.001														
BLANK		<0.001														
BLANK		<0.001														
BLANK		<0.001														
Target Range - Lower Bound		<0.001														
Upper Bound		0.002														
BLANK				<0.01	<0.01	<0.2	<10	<0.05	0.01	<0.01	<0.02	0.01	<0.1	<1	<0.05	0.2
BLANK				<0.01	<0.01	<0.2	<10	<0.05	<0.01	0.01	<0.02	0.01	<0.1	<1	<0.05	0.2
BLANK				<0.01	<0.01	<0.2	<10	<0.05	0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2
BLANK				<0.01	<0.01	<0.2	<10	<0.05	0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	0.2
BLANK				<0.01	<0.01	<0.2	<10	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2
BLANK				<0.01	<0.01	<0.2	<10	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2
BLANK				<0.01	<0.01	<0.2	<10	<0.05	0.02	<0.01	<0.02	0.01	<0.1	<1	<0.05	<0.2
BLANK				<0.01	<0.01	<0.2	<10	<0.05	0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2
BLANK				<0.01	<0.01	0.4	<10	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2
Target Range - Lower Bound				<0.01	<0.01	<0.2	<10	<0.05	<0.01	<0.01	<0.02	<0.01	<0.1	<1	<0.05	<0.2
Upper Bound				0.02	0.02	0.4	20	0.10	0.02	0.02	0.04	0.02	0.2	2	0.10	0.4

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
STANDARDS																
PMP-18																
PMP-18																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.01	<0.05	0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10
BLANK		<0.01	<0.05	0.08	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10
BLANK		<0.01	<0.05	0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10
BLANK		<0.01	<0.05	<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10
BLANK		<0.01	<0.05	<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10
BLANK		<0.01	<0.05	0.07	<0.1	<0.005	<0.01	<0.5	0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10
BLANK		<0.01	<0.05	<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10
BLANK		<0.01	<0.05	<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10
BLANK		<0.01	<0.05	<0.05	<0.1	<0.005	<0.01	<0.5	0.2	<0.01	<5	0.06	<0.01	<0.1	<0.2	<10
Target Range - Lower Bound		<0.01	<0.05	<0.05	<0.1	<0.005	<0.01	<0.5	<0.2	<0.01	<5	<0.05	<0.01	<0.1	<0.2	<10
Upper Bound		0.02	0.10	0.10	0.2	0.010	0.02	1.0	0.4	0.02	10	0.10	0.02	0.2	0.4	20

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

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
STANDARDS																
PMP-18																
PMP-18																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.5	0.1	<0.002	<0.01	<0.05	<0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1
BLANK		<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1
BLANK		<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1
BLANK		<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1
BLANK		<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1
BLANK		<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1
BLANK		<0.5	<0.1	<0.002	<0.01	0.07	<0.1	1	<0.2	<0.2	<0.05	<0.05	0.01	<0.005	0.02	<0.1
BLANK		<0.5	<0.1	<0.002	<0.01	0.05	<0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1
BLANK		<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	2	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1
Target Range - Lower Bound		<0.5	<0.1	<0.002	<0.01	<0.05	<0.1	<1	<0.2	<0.2	<0.05	<0.05	<0.01	<0.005	<0.02	<0.1
Upper Bound		1.0	0.2	0.004	0.02	0.10	0.2	2	0.4	0.4	0.10	0.10	0.02	0.010	0.04	0.2

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method / Analyte / Units / LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
STANDARDS						
PMP-18						
PMP-18						
Target Range - Lower Bound						
Upper Bound						
BLANKS						
BLANK						
BLANK						
Target Range - Lower Bound						
Upper Bound						
BLANK						
BLANK						
BLANK						
BLANK						
BLANK						
BLANK						
BLANK						
Target Range - Lower Bound						
Upper Bound						
BLANK		<1	<0.1	<0.1	<2	<0.5
BLANK		<1	<0.1	<0.1	<2	<0.5
BLANK		<1	<0.1	<0.1	<2	<0.5
BLANK		<1	<0.1	<0.1	<2	<0.5
BLANK		<1	<0.1	<0.1	<2	<0.5
BLANK		<1	<0.1	<0.1	<2	<0.5
BLANK		<1	<0.1	<0.1	<2	<0.5
BLANK		<1	<0.1	<0.1	<2	<0.5
BLANK		<1	<0.1	<0.1	<2	<0.5
Target Range - Lower Bound		<1	<0.1	<0.1	<2	<0.5
Upper Bound		2	0.2	0.2	4	1.0

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description / Method / Analyte / Units / LOD	Au-ICP21 Au ppm 0.001	Au-GRA21 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
DUPLICATES															
ORIGINAL		18.20													
DUP		17.00													
Target Range - Lower Bound		16.65													
Upper Bound		18.55													
ORIGINAL		<0.05													
DUP		<0.05													
Target Range - Lower Bound		<0.05													
Upper Bound		0.10													
ORIGINAL		<0.05													
DUP		<0.05													
Target Range - Lower Bound		<0.05													
Upper Bound		0.10													
ORIGINAL		1.87													
DUP		1.56													
Target Range - Lower Bound		1.58													
Upper Bound		1.85													
ORIGINAL	0.023														
DUP	0.034														
Target Range - Lower Bound	0.026														
Upper Bound	0.031														
ORIGINAL	0.039														
DUP	0.037														
Target Range - Lower Bound	0.035														
Upper Bound	0.041														
ORIGINAL	0.047														
DUP	0.048														
Target Range - Lower Bound	0.044														
Upper Bound	0.051														
P240911		15.70													
DUP		15.40													
Target Range - Lower Bound		14.70													
Upper Bound		16.40													

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method / Analyte / Units / LOD	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
								DUPLICATES								
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
P240911																
DUP																
Target Range - Lower Bound																
Upper Bound																

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description / Method / Analyte / Units / LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
DUPLICATES															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
P240911															
DUP															
Target Range - Lower Bound															
Upper Bound															

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method / Analyte / Units / LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
DUPLICATES						
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						
ORIGINAL						
DUP						
Target Range - Lower Bound						
Upper Bound						
P240911						
DUP						
Target Range - Lower Bound						
Upper Bound						

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	Au-ICP21	Au-GRA21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Au	Au	Ag	Al	As	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	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
DUPLICATES																
P240926				0.03	7.03	10.2	240	0.95	0.03	4.82	0.04	10.85	36.7	244	0.86	215
DUP				0.03	6.84	9.7	240	0.94	0.03	4.68	0.03	11.40	36.1	233	0.89	206
Target Range - Lower Bound				0.02	6.58	9.3	210	0.85	0.02	4.50	<0.02	10.55	34.5	226	0.78	203
Upper Bound				0.04	7.29	10.6	270	1.04	0.04	5.00	0.04	11.70	38.3	251	0.97	218
P240945		0.001														
DUP		0.003														
Target Range - Lower Bound		<0.001														
Upper Bound		0.003														
P240962				0.02	6.81	24.9	350	1.01	0.02	5.28	0.13	11.60	39.7	76	0.60	94.5
DUP				0.02	6.68	25.1	340	0.91	0.01	5.21	0.13	11.00	40.7	79	0.57	92.9
Target Range - Lower Bound				<0.01	6.40	23.6	310	0.86	<0.01	4.97	0.10	10.75	38.1	73	0.51	90.2
Upper Bound				0.03	7.09	26.5	380	1.06	0.02	5.52	0.16	11.90	42.3	82	0.66	97.2
P240965		0.002														
DUP		0.002														
Target Range - Lower Bound		<0.001														
Upper Bound		0.003														
P240996		0.085														
DUP		0.088														
Target Range - Lower Bound		0.081														
Upper Bound		0.092														
P240998				0.02	6.57	41.9	280	0.85	0.01	5.77	0.08	7.37	41.9	200	0.78	109.5
DUP				0.03	6.37	40.7	280	0.86	0.01	5.58	0.08	7.19	40.6	189	0.74	106.5
Target Range - Lower Bound				<0.01	6.14	39.0	250	0.76	<0.01	5.38	0.06	6.91	39.1	184	0.67	104.0
Upper Bound				0.04	6.80	43.6	310	0.95	0.02	5.97	0.10	7.65	43.4	205	0.85	112.0
L785716		0.029														
DUP		0.064														
Target Range - Lower Bound		0.043														
Upper Bound		0.050														
L785734				0.06	6.35	7.6	390	1.19	0.02	6.15	0.08	15.60	24.4	26	0.92	101.0
DUP				0.07	6.38	8.3	380	1.41	0.02	6.15	0.08	16.60	26.8	25	0.92	98.0
Target Range - Lower Bound				0.05	6.04	7.4	350	1.19	<0.01	5.83	0.06	15.30	24.2	23	0.82	95.8
Upper Bound				0.08	6.69	8.5	420	1.42	0.03	6.47	0.10	16.90	27.0	28	1.02	103.0

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
DUPLICATES																
P240926		6.79	14.55	0.08	1.1	0.138	2.24	4.8	26.9	2.13	2010	0.34	0.74	1.7	81.6	290
DUP		6.58	14.50	0.09	1.0	0.142	2.17	5.0	27.0	2.08	1920	0.33	0.71	1.7	80.2	280
Target Range - Lower Bound		6.34	13.75	<0.05	0.9	0.128	2.08	4.2	25.4	1.99	1860	0.27	0.68	1.5	76.7	260
Upper Bound		7.03	15.30	0.10	1.2	0.152	2.33	5.6	28.5	2.22	2070	0.40	0.77	1.9	85.1	310
P240945																
DUP																
Target Range - Lower Bound																
Upper Bound																
P240962		10.15	17.65	0.08	2.0	0.077	1.31	4.4	31.1	2.58	1500	0.35	0.30	2.7	36.1	500
DUP		10.10	17.75	0.07	1.7	0.076	1.29	4.2	30.0	2.55	1480	0.56	0.30	2.6	35.8	510
Target Range - Lower Bound		9.61	16.75	<0.05	1.7	0.068	1.23	3.6	28.8	2.43	1410	0.38	0.28	2.4	34.0	470
Upper Bound		10.65	18.65	0.10	2.0	0.085	1.38	5.0	32.3	2.70	1570	0.53	0.33	2.9	37.9	540
P240965																
DUP																
Target Range - Lower Bound																
Upper Bound																
P240996																
DUP																
Target Range - Lower Bound																
Upper Bound																
P240998		7.43	13.25	0.06	1.2	0.057	2.75	3.2	16.9	2.93	1740	0.78	0.13	1.5	72.6	210
DUP		7.19	12.80	0.07	1.2	0.054	2.65	3.1	16.0	2.84	1660	0.61	0.13	1.5	70.2	200
Target Range - Lower Bound		6.93	12.30	<0.05	1.0	0.048	2.56	2.5	15.4	2.73	1610	0.61	0.11	1.3	67.6	180
Upper Bound		7.69	13.75	0.10	1.4	0.063	2.85	3.8	17.5	3.04	1790	0.78	0.15	1.7	75.2	230
L785716																
DUP																
Target Range - Lower Bound																
Upper Bound																
L785734		9.01	19.40	0.10	2.9	0.096	1.96	6.0	19.3	1.45	1520	0.38	0.05	4.1	12.9	950
DUP		9.08	19.85	0.09	3.2	0.106	1.97	5.9	20.4	1.46	1520	0.33	0.05	4.1	12.9	960
Target Range - Lower Bound		8.58	18.60	<0.05	2.8	0.091	1.86	5.2	18.7	1.37	1440	0.29	0.04	3.8	12.1	900
Upper Bound		9.51	20.7	0.10	3.3	0.111	2.07	6.7	21.0	1.54	1600	0.42	0.06	4.4	13.7	1010

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

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SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
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Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
DUPLICATES																
P240926		2.3	50.5	0.002	0.05	0.21	41.7	1	0.9	52.8	0.11	<0.05	0.29	0.420	0.24	0.1
DUP		2.3	53.8	<0.002	0.05	0.21	42.3	1	0.9	53.7	0.09	<0.05	0.29	0.402	0.25	0.1
Target Range - Lower Bound		1.7	49.4	<0.002	0.04	0.14	39.8	<1	0.7	50.4	<0.05	<0.05	0.27	0.385	0.21	<0.1
	Upper Bound	2.9	54.9	0.004	0.06	0.28	44.2	2	1.1	56.1	0.16	0.10	0.31	0.437	0.28	0.2
P240945																
DUP																
Target Range - Lower Bound																
	Upper Bound															
P240962		1.8	38.6	<0.002	0.06	0.19	38.2	1	0.7	61.3	0.17	<0.05	0.33	0.787	0.13	0.1
DUP		1.9	31.7	0.002	0.05	0.18	37.0	1	0.7	61.4	0.17	<0.05	0.31	0.762	0.12	0.1
Target Range - Lower Bound		1.3	33.3	<0.002	0.04	0.12	35.6	<1	0.5	58.1	0.11	<0.05	0.29	0.731	0.10	<0.1
	Upper Bound	2.4	37.0	0.004	0.07	0.25	39.6	2	0.9	64.6	0.23	0.10	0.35	0.818	0.15	0.2
P240965																
DUP																
Target Range - Lower Bound																
	Upper Bound															
P240996																
DUP																
Target Range - Lower Bound																
	Upper Bound															
P240998		2.1	81.9	0.002	0.07	0.26	39.3	<1	0.4	80.6	0.10	<0.05	0.24	0.393	0.31	0.1
DUP		2.0	79.4	0.002	0.06	0.25	38.3	1	0.4	79.2	0.09	<0.05	0.24	0.379	0.29	0.1
Target Range - Lower Bound		1.4	76.5	<0.002	0.05	0.19	36.8	<1	<0.2	75.7	<0.05	<0.05	0.22	0.362	0.26	<0.1
	Upper Bound	2.7	84.8	0.004	0.08	0.32	40.8	2	0.6	84.1	0.10	0.10	0.26	0.410	0.34	0.2
L785716																
DUP																
Target Range - Lower Bound																
	Upper Bound															
L785734		4.0	54.5	<0.002	0.38	0.37	32.3	1	1.1	48.6	0.24	<0.05	0.51	0.848	0.22	0.1
DUP		4.1	55.0	<0.002	0.39	0.34	33.3	1	1.1	49.1	0.25	<0.05	0.52	0.835	0.20	0.1
Target Range - Lower Bound		3.3	51.9	<0.002	0.36	0.28	31.1	<1	0.8	46.2	0.18	<0.05	0.48	0.794	0.17	<0.1
	Upper Bound	4.8	57.6	0.004	0.41	0.43	34.5	2	1.4	51.5	0.31	0.10	0.55	0.889	0.25	0.2

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

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www.alsglobal.com/geochemistry

To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description / Method / Analyte / Units / LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
DUPLICATES					
P240926	261	2.8	14.0	66	38.6
DUP	249	2.8	14.0	63	38.7
Target Range - Lower Bound	241	2.5	13.2	59	35.3
Upper Bound	269	3.1	14.8	70	42.0
P240945					
DUP					
Target Range - Lower Bound					
Upper Bound					
P240962	269	8.1	19.9	119	60.3
DUP	265	7.6	18.6	119	56.4
Target Range - Lower Bound	253	7.2	18.2	111	53.5
Upper Bound	281	8.5	20.3	127	63.2
P240965					
DUP					
Target Range - Lower Bound					
Upper Bound					
P240996					
DUP					
Target Range - Lower Bound					
Upper Bound					
P240998	235	5.7	10.6	60	40.2
DUP	226	5.7	10.5	58	42.5
Target Range - Lower Bound	218	5.2	9.9	54	37.7
Upper Bound	243	6.2	11.2	64	45.0
L785716					
DUP					
Target Range - Lower Bound					
Upper Bound					
L785734	121	22.9	24.7	90	109.5
DUP	120	22.8	24.3	90	101.0
Target Range - Lower Bound	113	21.0	23.2	84	96.9
Upper Bound	128	24.7	25.8	97	113.5

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method / Analyte / Units / LOD	Au-ICP21 Au ppm 0.001	Au-GRA21 Au ppm 0.05	ME-MS61 Ag ppm 0.01	ME-MS61 Al % 0.01	ME-MS61 As ppm 0.2	ME-MS61 Ba ppm 10	ME-MS61 Be ppm 0.05	ME-MS61 Bi ppm 0.01	ME-MS61 Ca % 0.01	ME-MS61 Cd ppm 0.02	ME-MS61 Ce ppm 0.01	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2
DUPLICATES																
L785770				0.05	0.23	1.4	20	0.08	0.14	0.50	0.05	1.25	1.7	40	0.09	72.2
DUP				0.30	0.24	1.6	20	0.10	0.14	0.52	0.04	1.24	1.6	40	0.09	73.3
Target Range - Lower Bound				0.16	0.21	1.2	<10	<0.05	0.12	0.47	<0.02	1.17	1.5	37	<0.05	70.0
Upper Bound				0.19	0.26	1.8	30	0.10	0.16	0.55	0.07	1.32	1.8	43	0.10	75.5
L785778		0.009														
DUP		0.014														
Target Range - Lower Bound		0.010														
Upper Bound		0.013														
L785806				0.04	6.49	39.5	410	1.23	0.09	5.36	0.09	14.30	44.5	112	1.37	129.0
DUP				0.06	6.74	40.1	420	1.24	0.09	5.58	0.08	14.85	43.9	119	1.40	134.5
Target Range - Lower Bound				0.04	6.27	37.6	370	1.12	0.08	5.19	0.06	13.85	41.9	109	1.27	127.0
Upper Bound				0.06	6.96	42.0	460	1.35	0.10	5.75	0.11	15.30	46.5	122	1.50	136.5
P240899		0.004														
DUP		0.004														
Target Range - Lower Bound		0.003														
Upper Bound		0.005														
ORIGINAL		0.018														
DUP		0.020														
Target Range - Lower Bound		0.017														
Upper Bound		0.021														
ORIGINAL		0.225														
DUP		0.229														
Target Range - Lower Bound		0.215														
Upper Bound		0.239														
ORIGINAL		0.006														
DUP		0.005														
Target Range - Lower Bound		0.004														
Upper Bound		0.007														
ORIGINAL		0.011														
DUP		0.012														
Target Range - Lower Bound		0.010														
Upper Bound		0.013														

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
DUPLICATES															
L785770	0.70	0.91	<0.05	<0.1	0.012	0.08	0.5	2.1	0.04	185	2.43	0.02	0.1	3.1	<10
DUP	0.72	0.91	<0.05	<0.1	0.015	0.08	0.5	2.2	0.04	190	2.30	0.02	0.1	3.3	<10
Target Range - Lower Bound	0.66	0.81	<0.05	<0.1	0.008	0.07	<0.5	1.8	0.03	173	2.20	<0.01	<0.1	2.8	<10
Upper Bound	0.76	1.01	0.10	0.2	0.019	0.09	1.0	2.5	0.05	202	2.53	0.03	0.2	3.6	20
L785778															
DUP															
Target Range - Lower Bound															
Upper Bound															
L785806	9.29	17.65	0.08	2.3	0.099	1.41	5.8	44.4	2.00	1860	0.27	0.30	2.9	47.9	700
DUP	9.62	18.15	0.10	2.2	0.097	1.45	6.0	43.7	2.08	1950	0.28	0.31	3.0	49.2	720
Target Range - Lower Bound	8.97	16.95	<0.05	2.0	0.088	1.35	5.1	41.6	1.93	1805	0.21	0.28	2.7	45.9	660
Upper Bound	9.94	18.85	0.10	2.5	0.108	1.51	6.7	46.5	2.15	2010	0.34	0.33	3.2	51.2	760
P240899															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
DUPLICATES															
L785770	0.9	2.4	<0.002	0.01	0.08	0.9	1	0.8	3.5	<0.05	0.07	0.03	0.007	0.02	<0.1
DUP	1.0	2.3	<0.002	0.02	0.06	0.9	1	1.0	3.6	<0.05	0.07	0.03	0.008	0.02	<0.1
Target Range - Lower Bound	<0.5	2.1	<0.002	<0.01	<0.05	0.8	<1	0.7	3.2	<0.05	<0.05	0.02	<0.005	<0.02	<0.1
Upper Bound	1.0	2.6	0.004	0.02	0.10	1.0	2	1.1	3.9	0.10	0.10	0.04	0.010	0.04	0.2
L785778															
DUP															
Target Range - Lower Bound															
Upper Bound															
L785806	2.3	47.6	<0.002	0.11	0.59	40.6	1	1.6	41.4	0.21	0.05	0.41	0.628	0.21	0.1
DUP	2.4	51.8	0.003	0.12	0.61	40.3	1	1.4	42.6	0.22	<0.05	0.42	0.658	0.18	0.1
Target Range - Lower Bound	1.7	47.1	<0.002	0.10	0.51	38.3	<1	1.2	39.7	0.15	<0.05	0.38	0.606	0.16	<0.1
Upper Bound	3.0	52.3	0.004	0.13	0.70	42.6	2	1.8	44.3	0.28	0.10	0.45	0.680	0.23	0.2
P240899															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description / Method / Analyte / Units / LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
DUPLICATES					
L785770	6	0.3	2.0	4	1.0
DUP	7	0.3	1.9	4	1.1
Target Range - Lower Bound	5	0.2	1.8	<2	<0.5
Upper Bound	8	0.4	2.1	6	1.6
L785778					
DUP					
Target Range - Lower Bound					
Upper Bound					
L785806	185	5.4	21.5	109	80.7
DUP	191	5.3	22.1	114	85.9
Target Range - Lower Bound	178	4.8	20.6	104	76.6
Upper Bound	198	5.9	23.0	119	90.0
P240899					
DUP					
Target Range - Lower Bound					
Upper Bound					
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	Au-ICP21	Au-GRA21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Au	Au	Ag	Al	As	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	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
DUPLICATES																
ORIGINAL		0.010														
DUP		0.007														
Target Range - Lower Bound		0.007														
Upper Bound		0.010														
ORIGINAL			7.01													
DUP			7.09													
Target Range - Lower Bound			6.65													
Upper Bound			7.45													
ORIGINAL		0.002														
DUP		0.003														
Target Range - Lower Bound		<0.001														
Upper Bound		0.004														
ORIGINAL		0.014														
DUP		0.014														
Target Range - Lower Bound		0.012														
Upper Bound		0.016														
ORIGINAL				0.08	8.82	3.0	1070	1.09	0.54	1.45	0.04	30.0	11.9	8	3.04	352
DUP				0.07	8.91	2.7	1100	1.04	0.57	1.46	0.03	31.0	11.5	9	3.10	354
Target Range - Lower Bound				0.06	8.41	2.5	990	0.96	0.52	1.37	<0.02	29.0	11.0	7	2.87	340
Upper Bound				0.09	9.32	3.2	1180	1.17	0.59	1.54	0.04	32.0	12.4	10	3.27	366
ORIGINAL		<0.001														
DUP		0.001														
Target Range - Lower Bound		<0.001														
Upper Bound		0.002														
ORIGINAL				0.07	8.43	5.7	350	0.80	0.15	3.47	0.02	23.8	17.0	39	2.25	49.3
DUP				0.06	8.32	5.1	340	0.72	0.12	3.39	<0.02	22.2	16.5	39	2.12	47.8
Target Range - Lower Bound				0.05	7.95	4.9	310	0.67	0.12	3.25	<0.02	21.8	15.8	36	2.03	46.7
Upper Bound				0.08	8.80	5.9	380	0.85	0.15	3.61	0.04	24.2	17.7	42	2.34	50.4
ORIGINAL				10.25	5.09	1855	1100	1.12	3.12	1.01	57.5	11.35	22.9	271	12.50	188.0
DUP				9.75	4.96	1840	630	0.88	2.95	1.01	56.1	11.10	20.4	272	11.85	179.0
Target Range - Lower Bound				9.49	4.76	1755	790	0.90	2.87	0.95	53.9	10.65	20.5	257	11.50	177.0
Upper Bound				10.50	5.29	1940	940	1.10	3.20	1.07	59.7	11.80	22.8	286	12.85	190.0

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method / Analyte / Units / LOD	ME-MS61 Fe % 0.01	ME-MS61 Ga ppm 0.05	ME-MS61 Ge ppm 0.05	ME-MS61 Hf ppm 0.1	ME-MS61 In ppm 0.005	ME-MS61 K % 0.01	ME-MS61 La ppm 0.5	ME-MS61 Li ppm 0.2	ME-MS61 Mg % 0.01	ME-MS61 Mn ppm 5	ME-MS61 Mo ppm 0.05	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10
								DUPLICATES								
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		3.76	19.95	0.11	1.8	0.070	4.02	15.6	4.1	0.38	286	19.10	0.66	3.9	2.3	1290
DUP		3.78	19.80	0.11	1.9	0.072	4.09	15.8	4.0	0.38	289	21.0	0.66	4.0	2.4	1270
Target Range - Lower Bound		3.57	18.85	<0.05	1.7	0.062	3.84	14.4	3.6	0.35	268	19.00	0.62	3.7	2.0	1210
Upper Bound		3.97	20.9	0.17	2.0	0.080	4.27	17.0	4.5	0.41	307	21.1	0.70	4.2	2.7	1350
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		2.97	18.00	0.18	1.8	0.029	1.09	8.6	46.2	1.42	387	0.56	2.72	1.7	38.5	510
DUP		2.91	17.35	0.10	1.7	0.022	1.07	8.3	42.5	1.40	383	0.46	2.66	1.7	36.6	500
Target Range - Lower Bound		2.78	16.75	0.08	1.6	0.019	1.02	7.5	41.9	1.33	361	0.43	2.55	1.5	35.5	470
Upper Bound		3.10	18.60	0.20	1.9	0.032	1.14	9.4	46.8	1.49	409	0.59	2.83	1.9	39.6	540
ORIGINAL		6.53	10.55	0.11	0.8	0.145	4.83	4.4	69.6	0.38	556	13.05	0.06	3.4	80.4	530
DUP		6.30	9.76	0.10	0.7	0.130	4.92	4.2	62.6	0.38	556	12.45	0.06	3.1	74.1	530
Target Range - Lower Bound		6.08	9.60	<0.05	0.6	0.126	4.62	3.6	62.6	0.35	523	12.05	0.05	3.0	73.2	490
Upper Bound		6.75	10.70	0.16	0.9	0.149	5.13	5.0	69.6	0.41	589	13.45	0.07	3.5	81.3	570

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

ALS Canada Ltd.

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method / Analyte / Units / LOD	ME-MS61 Pb ppm 0.5	ME-MS61 Rb ppm 0.1	ME-MS61 Re ppm 0.002	ME-MS61 S % 0.01	ME-MS61 Sb ppm 0.05	ME-MS61 Sc ppm 0.1	ME-MS61 Se ppm 1	ME-MS61 Sn ppm 0.2	ME-MS61 Sr ppm 0.2	ME-MS61 Ta ppm 0.05	ME-MS61 Te ppm 0.05	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1
		DUPLICATES														
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		2.1	105.5	0.097	2.64	2.07	13.6	4	2.1	66.2	0.22	0.27	3.31	0.146	1.20	1.8
DUP		2.0	108.0	0.110	2.63	2.12	13.6	4	2.1	66.4	0.22	0.26	3.31	0.150	1.24	1.8
Target Range - Lower Bound		1.4	101.5	0.096	2.49	1.89	12.8	3	1.8	62.8	0.16	0.20	3.13	0.136	1.11	1.6
Upper Bound		2.7	112.0	0.111	2.78	2.30	14.4	5	2.4	69.8	0.28	0.33	3.49	0.160	1.33	2.0
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL		4.3	23.5	<0.002	0.46	0.20	6.6	<1	0.5	441	0.09	0.09	1.38	0.186	0.25	0.3
DUP		4.0	23.4	<0.002	0.45	0.16	6.6	<1	0.5	431	0.08	0.09	1.33	0.186	0.23	0.3
Target Range - Lower Bound		3.4	22.2	<0.002	0.42	0.12	6.2	<1	0.3	414	<0.05	<0.05	1.28	0.172	0.20	0.2
Upper Bound		4.9	24.7	0.004	0.49	0.24	7.0	2	0.7	458	0.10	0.10	1.43	0.200	0.28	0.4
ORIGINAL		241	232	0.011	7.28	69.5	20.4	12	2.9	110.0	0.23	<0.05	1.19	0.268	5.15	4.9
DUP		232	247	0.010	7.09	68.0	18.5	11	2.8	103.5	0.21	<0.05	1.11	0.261	4.86	4.6
Target Range - Lower Bound		224	227	0.008	6.82	63.5	18.4	10	2.5	101.0	0.16	<0.05	1.08	0.246	4.61	4.4
Upper Bound		249	252	0.013	7.55	74.0	20.5	13	3.2	112.5	0.28	0.10	1.22	0.283	5.40	5.1

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description / Method / Analyte / Units / LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
DUPLICATES					
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					
ORIGINAL	123	1.3	12.0	19	65.9
DUP	123	1.4	11.8	19	67.5
Target Range - Lower Bound	116	1.1	11.2	16	61.2
Upper Bound	130	1.6	12.6	22	72.2
ORIGINAL					
DUP					
Target Range - Lower Bound					
Upper Bound					
ORIGINAL	64	1.0	4.1	35	69.9
DUP	63	1.0	3.9	35	67.2
Target Range - Lower Bound	59	0.8	3.7	31	62.9
Upper Bound	68	1.2	4.3	39	74.2
ORIGINAL	110	15.2	58.4	6550	23.4
DUP	107	14.4	55.1	6480	20.2
Target Range - Lower Bound	102	13.6	53.8	6190	19.7
Upper Bound	115	16.0	59.7	6840	23.9

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UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	Au-ICP21	Au-GRA21	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Au	Au	Ag	Al	As	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	0.05	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
PREP DUPLICATES																
P240953		<0.001		0.05	6.08	7.2	80	1.31	0.03	3.95	0.07	18.10	34.9	40	0.27	162.5
P240953 PREP DUP		<0.001		0.02	5.97	7.0	70	1.41	0.03	3.99	0.07	18.60	35.7	44	0.25	164.5
L785705		0.040		0.04	6.40	6.4	50	0.61	0.02	3.19	0.09	22.0	34.4	19	0.15	59.5
L785705 PREP DUP		0.053		0.02	6.37	7.1	50	0.65	0.01	3.17	0.09	22.6	33.9	19	0.16	54.7
L785757		0.003		0.03	6.77	3.8	240	1.61	0.05	5.58	0.03	22.4	30.2	25	0.87	100.5
L785757 PREP DUP		<0.001		0.03	6.62	3.7	220	1.77	0.05	5.47	0.02	21.8	28.8	26	0.88	97.0

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Fe	Ga	Ge	Hf	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOD	0.01	0.05	0.05	0.1	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
PREP DUPLICATES																
P240953		9.11	16.85	0.07	1.6	0.091	0.17	7.2	19.5	2.01	1200	1.03	2.04	2.8	28.7	520
P240953 PREP DUP		9.06	17.80	0.08	1.7	0.093	0.16	7.2	20.2	2.03	1190	0.86	1.94	2.9	29.0	520
L785705		10.60	19.85	0.08	2.9	0.115	0.30	8.7	17.9	1.45	1900	0.56	2.36	4.6	14.7	1070
L785705 PREP DUP		10.60	21.3	0.09	2.5	0.110	0.31	8.3	18.9	1.44	1900	0.57	2.30	4.8	14.3	1050
L785757		9.27	21.6	0.11	3.0	0.124	1.50	8.0	26.7	1.27	1280	0.51	0.73	4.7	20.4	1030
L785757 PREP DUP		9.07	22.3	0.11	2.8	0.131	1.45	7.6	28.2	1.23	1260	0.59	0.73	4.8	20.3	980

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Finalized Date: 12-NOV-2019
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QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61	ME-MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
PREP DUPLICATES																
P240953		4.9	6.4	<0.002	0.03	0.74	33.0	<1	0.8	92.8	0.17	<0.05	0.34	0.768	0.03	0.1
P240953 PREP DUP		2.9	6.0	<0.002	0.02	0.52	34.8	<1	0.8	87.0	0.19	<0.05	0.37	0.762	0.03	0.1
L785705		3.4	7.5	<0.002	0.23	0.29	35.9	<1	2.0	88.6	0.30	<0.05	0.62	0.908	0.04	0.2
L785705 PREP DUP		3.5	8.0	<0.002	0.22	0.34	37.4	<1	1.4	83.7	0.31	<0.05	0.63	0.909	0.04	0.2
L785757		2.1	48.4	<0.002	0.09	0.37	35.5	1	0.9	43.2	0.28	<0.05	0.55	0.974	0.18	0.1
L785757 PREP DUP		2.3	45.9	0.002	0.08	0.41	36.5	1	1.0	41.5	0.29	<0.05	0.59	0.960	0.16	0.1

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QC CERTIFICATE OF ANALYSIS SD19255248

Sample Description	Method Analyte Units LOD	ME-MS61 V ppm 1	ME-MS61 W ppm 0.1	ME-MS61 Y ppm 0.1	ME-MS61 Zn ppm 2	ME-MS61 Zr ppm 0.5
PREP DUPLICATES						
P240953		275	1.6	23.0	107	52.3
P240953 PREP DUP		272	1.6	24.0	105	53.9
L785705		117	1.6	30.4	125	100.0
L785705 PREP DUP		117	1.7	30.6	125	89.7
L785757		128	16.3	46.3	86	105.5
L785757 PREP DUP		127	14.4	38.0	84	100.5

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Finalized Date: 12-NOV-2019
Account: TRAMET

Project: Cryderman

QC CERTIFICATE OF ANALYSIS SD19255248

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME-MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.

CRU-31	CRU-QC	LOG-22	LOG-23
PUL-32	PUL-QC	SPL-21	WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au-GRA21	Au-ICP21	ME-MS61

APPENDIX C

Expenditures