NI 43-101 Update Technical Report on the Tomtebo Project, Bergslagen Region of Sweden

Effective Date: October 15, 2020

Prepared for:
District Metals Corp.

by:
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TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF PHOTOS

1. SUMMARY

District Metals Corp. (DMX) is a junior mineral exploration stage company in the business of acquiring, exploring and evaluating natural resource properties. DMX is currently focused on further exploration and development of its 100% interest in the advanced exploration stage Tomtebo property (the Property) located in the Bergslagen Mining District of south-central Sweden, approximately 190 km northwest of Stockholm, near the town of Säter. DMX also holds a 100% interest in the Trollberget property, located in the Bergslagen Mining District and the Bakar property located on North Vancouver Island in British Columbia, Canada. DMX considers the Property to be its material property for the purposes of applicable Canadian securities laws.

DMX was incorporated under the *Business Corporations Act* (Alberta) on July 24, 1989 under the name of Consolidated Global Minerals Ltd. and continued in the Province of British Columbia on March 31, 2006. On June 27, 2017, the name of the company was changed to MK2 Ventures Ltd. and on July 16, 2019, the company changed its name to District Metals Corp. and transferred from the NEX branch of the TSX Venture Exchange to the TSX Venture Exchange as a Tier 2 Mining Issuer under the new symbol "DMX".

DMX's corporate office is located at Suite 918, 1030 West Georgia Street, Vancouver, British Columbia, V6E 2Y3, and its registered office is located at Suite 1200, 200 Burrard Street, Vancouver, British Columbia, V7X 1T2.

DMX has one subsidiary, being District Metals, AB ("**District Metals AB**"), a 100% owned company entered into under the laws of Sweden. District Metals AB holds the DMX's 100% interest in the Property.

DMX commissioned DAMA Engineering Co. (DAMA) to prepare a National Instrument 43-101 – *Standards of Disclosure for Mineral Projects* (NI 43-101) compliant Technical Report on the Property, titled "NI 43-101 Technical Report on the Tomtebo Project".

1.1. Property Description and Ownership

The Property consists of three contiguous exploration permits totaling 5,143.86 ha in the Bergslagen mining district of south central Sweden, approximately 190 km from Stockholm, Sweden.

The concessions are owned by the Swedish-registered company, Viad Royalties AB (Viad), a wholly-owned subsidiary of EMX Royalty Corp. (EMX) Pursuant to a purchase and sale agreement dated as of February 27, 2020, among Viad and DMX, DMX agreed to purchase a 100% interest in the Property from Viad.

The Property is largely accessible via paved and unpaved roads. The climate is mild. Seasonal rains occur from December to March, thus restricting exploration to April through November. The Property

falls between fully serviced town of Säter (population 4,429) to the North East and Smedjebacken (population 5,100) to the South West in Dalarna County.

1.2. Geology and Mineralization

The Property is in the Bergslagen District, which contains numerous ferrous (Fe) and sulphide deposits. The geology in the Property area is dominated by the Svecofennian supracrustal rocks, including metamorphosed felsic volcanics (leptite) and volcanoclastic rocks with subordinate mafic volcanics and crystalline carbonates (marble) lens. The Svecofennian supracrustal volcano- sedimentary sequence is intruded by synorogenic intrusions, discordantly covered by argillites, greywackes, quartzites, and conglomerates.

Base and precious metal mineralization at Tomtebo is considered to conform to the Volcanogenic Massive Sulphide Occurrence Model and occurs in association with northeast–southwest-trending zones, hosted in leptite and volcanoclastic rocks. The Property contains multiple zones of volcanogenic massive sulphide (VMS) style mineralization.

The Property can be grouped into two zones: the Tomtebo Mine and the Lövås Mine.

Geological observations on the surface, historical mine maps with notes, some mineralization left at the surface, and the dumps indicate that the principal sulphide minerals are chalcopyrite, pyrite, sphalerite, galena, and pyrrhotite, with a subordinate of silver and gold.

1.3. Status of Exploration

After acquiring the Property in 2018, Viad collected a substantial amount of data on the deposit from various Swedish archives and carried out geochemical rock sampling with just a few samples. DMX has conducted various exploration activities at the Property including compilation and 3D modeling of historic drill hole, geophysical surveys, geological mapping, prospecting, and sampling. Geophysical interpretation, database compilation and 3D modeling, and geological works are still in progress.

1.4. Interpretation and Conclusions

The Property has favorable horizons with potential for hosting volcanic massive sulphide, sedimentary exhalative, and carbonate replacement occurrences.

A small to modest sized mineralization in the area can be identified from the works done to present and the facilities at the Property. The waste dumps and examination of the underground mine maps suggest that past exploration and mining was confined to high grade mineralization, with low grade mineralization left out in the area.

An improved geological understanding of the favorable zones for better identification of geological structures demonstrating mineralization is essential.

1.5. Recommendations

A two-phase exploration program is recommended. Phase 1 is estimated to cost CDN $600,000, and consists of:

- Twin drilling of historical drill holes.

Phase 2 is estimated to cost CDN $3,000,000, and consists of:

- Initial drill testing of historical Tomtebo mine and regional drilling for new targets. Phase 2 is contingent on suitable results being obtained from Phase 1.

2. INTRODUCTION AND TERMS OF REFERENCE

This report has been prepared for District Metals Corp. (DMX), a Canada-based mineral exploration company, in connection with its proposed acquisition of the Property from Viad and pursuant to Policy 5.3 of the TSX Venture Exchange (TSXV).

2.1. Sources of Information

See Section 27 for a complete list of references.

2.2. Site Visits and Scopes of Personal Inspections

The author, Mr. Mustafa Atalay, PGeo, AIPG, visited the Property between February 17 and 21, 2020, and conducted a personal inspection of the core storage facility, the Property for accessibility, physiography, and nearby infrastructure, and the historical pits and drill hole locations and mine waste dump sites. There was no drilling or other exploration work being conducted on the Property during the site visit. Seven check samples were collected from the waste dumps and outcrops.

The author also visited the Swedish Geological Survey (SGU) Mineral Bureau core archive in Malå and inspected the historical cores which were re-logged by EMX's Geologists and one drill core which has not been re-logged.

The results of these checks are discussed in detail in Section 12.

2.3. Abbreviations

Units of measurement used in this report conform to the International System of Units (SI). All currency in this report is in US dollars (US$) unless otherwise noted. **Table 2-1** shows frequently used abbreviations.

Table 2-1: Abbreviations Used in this Report

°C	degree Celsius	m^2	square metre
cm	centimetre	m^3	cubic metre
cm^2	square centimetre	masl	metres above sea level
d	day	min	minute
DAMA	DAMA Engineering Co.	mm	millimetre
DEM	digital elevation model	Ma	Million years
DMX	District Metals Corp.	Mt	Million tonnes
EM	electromagnetic	oz	Troy ounce (31.1035 g)
EMX	EMX Royalty Corporation	ppb	part per billion
g	gram	ppm	part per million

g/t	gram per tonne	QP	Qualified Person
ha	hectare	RL	relative elevation
h	hour	sec	second
M	metre	SD	Standard deviation
kg	kilogram	t	metric tonne
km	kilometre	t/a	metric tonne per year
km^2	square kilometre	US$	United States dollar
km/h	kilometres per hour		

3. RELIANCE ON OTHER EXPERTS

The author has not relied on any report, opinion or statement of another expert, or on information provided by the issuer, concerning legal, political, environmental or tax matters relevant to this report, except as described in this Section 3.

The author has not checked the legal aspects of the ownership of the mineral claims, the rights and any agreement regarding the property. The author relied entirely on the information provided on the website of the SGU (www.sgu.se) for on tenure and previous ownership given in Section 4.0 and Section 6.1 of this Report. Also, the author has relied exclusively on information provided by DMX for providing a description of the purchase and sale agreement, pursuant to which DMX will acquire the Property, in section 4.1 of this Report.

A draft copy of this report has been reviewed for factual errors by representatives of DMX, and the authors have relied on such representatives' historical and current knowledge of the Property in this regard.

4. PROPERTY DESCRIPTION AND LOCATION

The Property is located near Säter Municipality, Dalarna County (Dalarnas län), Sweden, approximately 190 km northwest of Stockholm, the capital city (**Figure 4-1**). It is within the historical Bergslagen mining district at approximately WGS 84 / UTM zone 33N 541390/6690626.

4.1. Property Ownership and Land Tenure

The Property consists of three contiguous exploration licenses as listed in **Table 4-1** and shown on **Figure 4-1**. The Property covers a total of 5,143.86 ha, where multiple zones of VMS-style mineralization occur.

The concessions are owned (100.00%) by Viad, a Swedish registered company and a wholly owned subsidiary of EMX. Pursuant to a purchase and sale agreement dated as of February 27, 2020 as amended May 7, 2010 (the Purchase Agreement), among Viad and DMX, DMX agreed to purchase a 100% interest in the Property from Viad for a cash payment of $35,000 and common shares of DMX, representing a 9.9% equity ownership in DMX (on a non-diluted basis).

To retain the Property, DMX must: (i) incur $1,000,000 of eligible expenditures on the Property within two years of the closing of the transaction; and (ii) complete a minimum of 2,000 m of drilling within three years of completion of the proposed transaction and an aggregate of 5,000 m within five years of completion of the transaction.

In addition, upon announcement of each of a mineral resource estimate and preliminary economic assessment, DMX will pay to EMX a fee of $275,000 and, in the absence of both a mineral resource estimate and/or preliminary economic assessment, an aggregate of $550,000 upon a development decision, in each case, in either cash or common shares of DMX (based on the higher of the 20 day volume weighted average trading price of DMX's common shares and the discounted market price).

DMX will grant EMX a 2.5% NSR royalty on the Property subject to an option to repurchase up to 0.5% of the royalty for $2,000,000 at any time within six years of the closing of the transaction and in respect of which DMX will make annual advance royalty payments of $25,000 commencing on the third anniversary of the closing of the transaction, with each payment increasing by $10,000 per year subject to maximum of $75,000 per year.

Also included in **Table 4-2** are the payments to be made under the mining laws to keep the licenses.

Table 4-1: Tomtebo Land Tenure Summary

Item	Tomtebo nr 201	Tomtebo nr 203	Nyberget nr 101
Mineral	Au, Ag, Cu, Zn, Pb	Au, Ag, Cu, Zn, Pb	Au, Ag, Cu, Zn, Pb

Licence ID	2018:106	2018:107	2018:85
Area (ha)	268.01	3,715.41	1,160.44
Valid from	2018-09-25	2018-09-25	2018-06-28
Valid to	2021-09-25	2021-09-25	2021-06-28
Diary nr	2018000338	2018000408	2018000316
Municipality	SÄTER	FALUN, SÄTER	SÄTER
Country	Dalarnas län	Dalarnas län	Dalarnas län
Last updated	31.01.2020	31.01.2020	31.01.2020

Table 4-2: Payments to be made under mining law

NAME	AREA [ha]	LICENCEID	Age (today)	Valid Until	Ext years	Fee/ year/ ha	Application fee [SEK]	Extension fee [SEK]	OWNERS	Partner
Nyberget nr 101	1160.44	2018:85	2	2021-06-28	3	21	500	73.143	Viad Royalties AB (100.00%)	District
Tomtebo nr 203	3715.41	2018:107	2	2021-09-25	3	21	1000	234.11	Viad Royalties AB (100.00%)	District
Tomtebo nr 201	268.01	2018:106	2	2021-09-25	3	21	500	16.947	Viad Royalties AB (100.00%)	District

The Nyberget nr 101, Tomtebo nr 203 and 201 mineral licenses are in good standing until June 28, 2021, and September 25, 2021, respectively. Before the license expiry dates District will be responsible for paying the fee/year/ha, the application fee, and extension fee to keep the licenses in good standing for an additional 3 years at a cost of approximately 326,887 SEK ($46,875 CAD).

4.2. Surface Usage and Land Lease

Neither Viad nor DMX controls any surface rights. Mineral license holders in Sweden are entitled to explore for and develop mineral deposits in accordance with the Minerals Act /Ordinance ("Minerallagen" SFS 1991:45, and "Mineralförordningen" SFS 1992:285, and SFS 2005:943). Permissions for access to the license areas and to execute work programs are governed by Bergsstaten, the Swedish Mining Inspectorate (www.bergsstaten.se), and legal access to conduct exploration work is a right under the mineral license.

4.3. Environmental Liabilities and Permitting

There are no known environmental liabilities to which the Property is subject. No permits will be required to conduct the work proposed as Phase 1. Before initiation of an airborne survey and drilling program proposed as part of Phase 2, DMX will be required to obtain a permit. However, the author

expects relative ease in obtaining permits for future exploration activities, based on the location, type of terrain, and apparent lack of agricultural land and settlements on the Property.

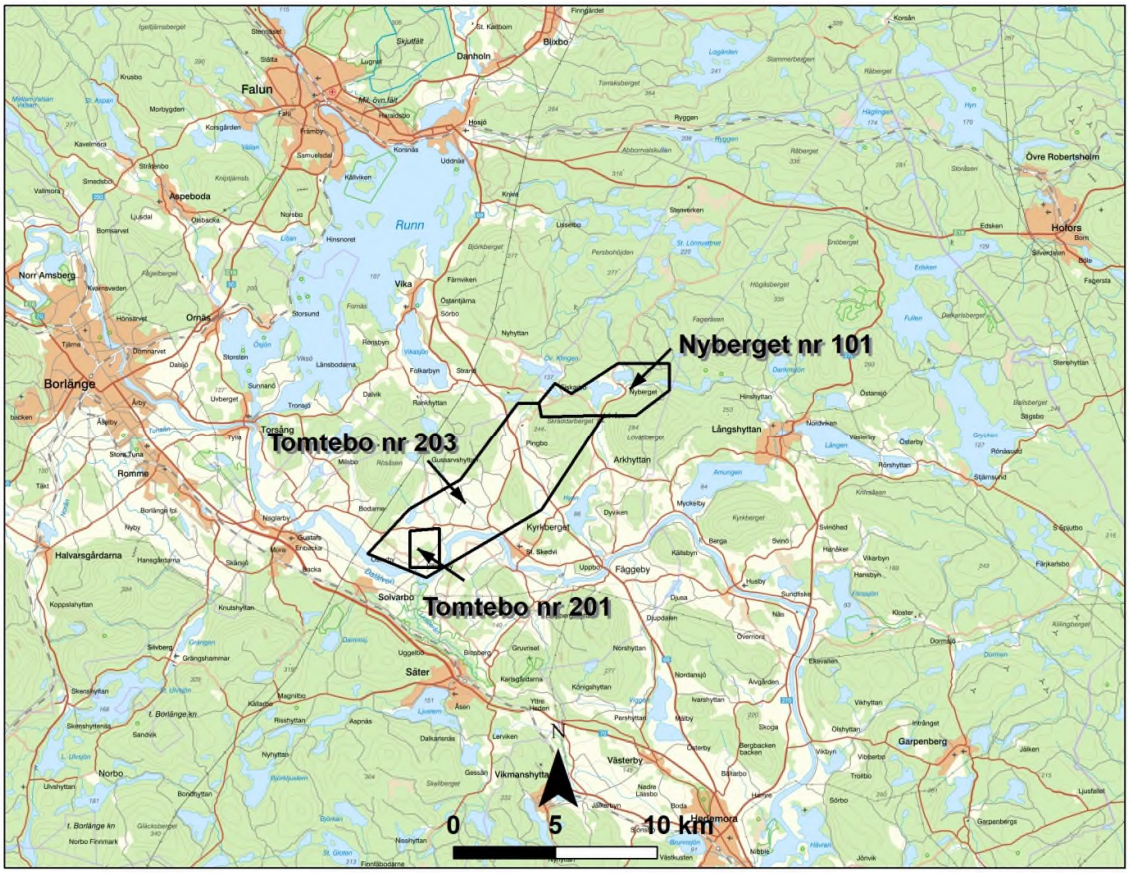


Figure 4-1: Land Tenure Map of the Tomtebo Property, Bergslagen, Sweden

4.4. Royalties, Back-in Rights, Payments, or Other Encumbrances

There are no known royalties, back-in rights, payments or other agreements and encumbrances to which the Property is subject except that pursuant to the Purchase Agreement, EMX will be granted a 2.5% net smelter return royalty on the Property, upon completion of the proposed transaction, subject to the right of DMX to repurchase up to 0.5% of the royalty for $2,000,000 at any time within six years of the closing of the proposed transaction.

4.5. Other Significant Factors

The authors are not aware of any other significant factors and risks that may affect access, title, or the right or ability to perform the proposed work program on the Property.

5. ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

5.1. Accessibility

The Property is located in Smedjebacken Municipality, Dalarna County, Sweden, close to the Säter town, the closest population centre. Säter town is 191 km from Stockholm and 35.5 km from Smedjebacken. The Property can be reached from Stockholm along highway E18 in a westerly direction to Enköping for a distance of 79 km, and then northwestward on the highway, Route 70, for a further 112 km through to Säter, (**Figure 5-1**). The Property can be reached from Sater along Route 70 in a northwest direction for 11 kilometers, and then northeast to St. Skedvi/ Gustafs exit. The Property is located eight kilometers away from this exit and is accessible by paved roads.

Access to Säter is also possible by rail and by aircraft on scheduled flights from Stockholm, amongst other locations. The nearest airport is Dala airport in Borlänge, 18 km from Säter, and it has direct connections to Stockholm Arlanda airport. Another airport in the region is Stockholm Västerås airport, 100 km from Smedjebacken.

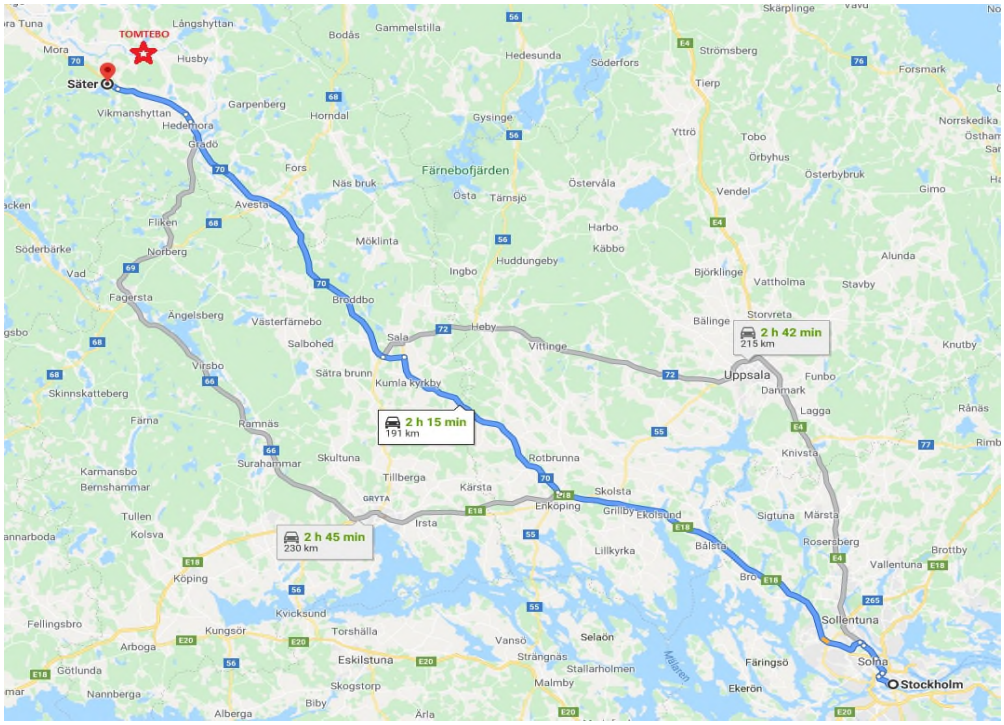


Figure 5-1: Access to the Tomtebo Property

5.2. Climate

The climate is medium cold, with extremes of temperatures between summer and winter. In winter, temperatures average close to zero degrees Celsius and in summer temperatures average in the low twenties. Annual precipitation is about 689 mm, ranging from a low of 34 mm in March to a high of 85 mm in August. Drilling can be carried out throughout the year, although access in some areas may be restricted in December to March due to heavy snow.

5.3. Topography, Elevation and Vegetation

The Property is located on a very gently rolling terrain at about 250 m above mean sea level (masl) and relief in the area is 30 m to 50 m. The area is covered with glacial deposits, and there are numerous large lakes of glacial origin (**Figure 4-1**). Much of the Property is boreal forest, owing to the poor glacial soils and hilly topography. Outcrops are scarce.

5.4. Local Resources and Infrastructure

5.4.1. Local Resources

The community of Säter has a population of about 4,429. The services sector is well represented. The steel and engineering industry is dominant in the municipality. A highly educated and experienced work force is available in the region.

5.4.2. Infrastructure

As with virtually all of southern Sweden, there is an extensive network of paved highways and, rail services. The nearest seaport is in Gävle, approximately 114 km northeast of the Property. A large network of unpaved roads allows easy access to large portions of the Property.

5.4.3. Power

The national power grid passes through the Property.

5.4.4. Water

An ample supply of water is available within the Property.

5.4.5. Communications

Telecommunications around the Property are excellent.

5.4.6. Surface Rights

As stated above, legal access to conduct exploration work is a right under the mineral license surface rights for mining operations would be negotiated with the landowners. The Property area is sufficient for a tailings storage area, waste disposal are, heap leach pad area and a processing site.

In the author's opinion, there is excellent infrastructure for exploration and mining operations at the Property.

6. HISTORY

The general area of the Property has a long history of mining.

6.1. Prior Ownership

The oldest known ownership of the Property is Stora Kopparberg AB. **Table 6-1** shows the previous ownerships known of any of the licenses comprising the Property from the SGU public database. Viad acquired the Property in 2018.

Table 6-1: Previous ownership of the license comprising the Property (SGU)

NAME	LICENCE ID	DIARY NR	VALID FROM	VALID TO	MINERAL	OWNERS
Lövåsen nr 2	2010:85	2010000188	2010-05-03	2014-05-03	Zinc	Svenska Bergsbruk AB (publ) (100.00%)
Tomtebo nr 2	2006:352	2006000676	2006-10-31	2009-10-31	Silver	Tumi Sweden AB (100.00%)
Flatåsen 1003	1996:16:W:FA	1996000179	1996-10-23	2002-10-23	Silver	Boliden Mineral AB (100.00%)
Flatåsen 1006	2000:3::FA	1999000665	2000-01-27	2003-01-27	Copper	Boliden Mineral AB (100.00%)
Lövåsen nr 1001	2002:94	2002000486	2002-09-02	2004-07-14	Zinc	Boliden Mineral AB (100.00%)
Säter 1006	2000:143	2000000457	2000-10-05	2003-10-05	Copper	Boliden Mineral AB (100.00%)
Fiskarbo nr 1	1991:2:W:FA:I	1990000152	1991-01-22	1994-01-22	Copper	
Tomtebo nr 3	2010:72	2010000182	2010-04-20	2013-04-20	Silver	TM Resources AB (100.00%)
Säter 1008	2001:22	2000000952	2001-01-29	2004-01-29	Copper	Boliden Mineral AB (100.00%)
Flatåsen 1001	1996:15:W:FA	1995000165	1996-10-01	1998-09-26	Copper	Boliden Mineral AB (100.00%)
Tomtebo nr 100	2014:33	2014000069	2014-04-16	2017-04-16	Zinc, Lead, Silver, Copper	Kopparberg Mining Exploration AB (100.00%)
Lövåsen nr 1	2005:288	2005000954	2005-12-28	2010-12-28	Silver	Tumi Resources Ltd (100.00%)
Tomtebo nr 101	2014:46	2014000456	2014-05-28	2017-05-28	Zinc, Lead, Silver, Copper, Gold, Cobalt	Kopparberg Mining Exploration AB (100.00%)
Flatåsen 1007	2001:30	2000000951	2001-02-01	2004-02-01	Copper	Boliden Mineral AB (100.00%)
Tomtebo nr 1	2006:11	2005000953	2006-01-23	2013-01-23	Silver	Tumi Resources Ltd (0.00%)
Lövåsen nr 3	2011:69	2011000070	2011-04-19	2013-12-01	Silver	TM Resources AB (100.00%)
Dundergruvan nr 1	2013:59	2013000166	2013-05-16	2016-05-16	Lead, Zinc, Silver, Copper, Gold	Solstad Copper Mines AB (100.00%)

6.2. Exploration History

Exploration has been carried out at Tomtebo area by many companies going back to the middle ages. In the 1970's, Stora Kopparberg AB (Stora), Boliden AB and Luossavaara-Kiirunavaara Aktiebolag (LKAB) carried out relatively detailed prospecting programs however there is a very little information (geological maps, mine level plans, some drill logs etc.) regarding these activities. Most of the documents are in Swedish language and taken from the Swedish Geological Society database.

There is no record of any work done by Svenska, Solstad, Kopparberg or TM Resources.

6.2.1. Stora Kopparberg AB

The most effective exploration activity took place between 1965 and 1968 when Stora lowered the New Tomtebosch Shaft from approximately 90 m to 200 m in depth. The lower gallery could be an exploration gallery. The gallery was drifted along about 500 meters of the mineralized trend. Some drilling was done from this gallery. The information gathered from this activity contains underground mineralization exposion maps.

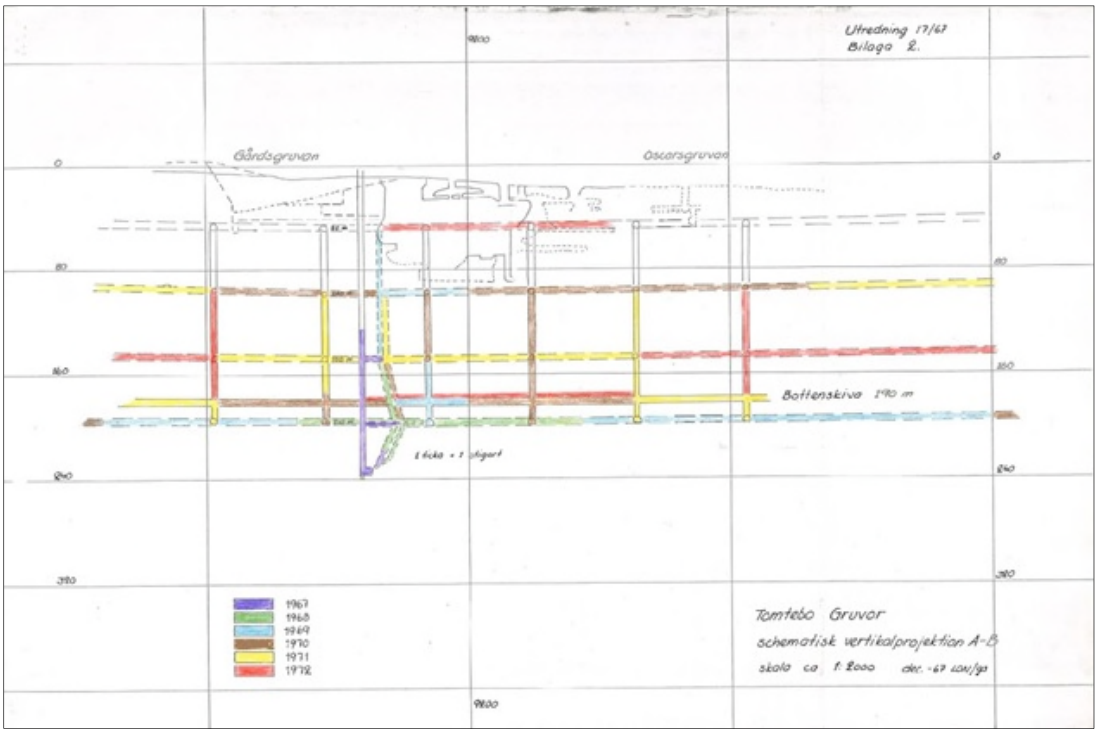


Figure 6-1: Tomtebo mine historical schematic section

Also, Stora ran several drilling programs at different intervals. **Appendix A** and **Figure 6-2** show the distribution, azimuth, depth, and the coordinates of the drill holes in Tomtebo mine.

As seen in **Table 6-2**, most of the drill holes intersected a wide range of silver, gold, copper, zinc and lead grades. The remaining assay results digitized by EMX are presented in **Appendix B.** It is presumed that remaining drill holes without assays have not intersected any significant mineralization.

According to the digitized log, the mineralization is hosted in cordierite-quartzite and schist. The copper-gold mineralization consists of chalcopyrite together with pyrite, pyrrhotite. The silver-zinc-lead mineralization consists of sphalerite and galena.

When the drill logs are examined on the map, it is observed that the drilling in the southern part of the mine cut copper-gold mineralization and the drilling (TOMT43002- TOMT65001-TOMT66002-TOMT65002-TOMT71041-TOMT71003) in the northern part of the mine cut silver-lead-zinc mineralization. However, most of the sample analyses were only for copper.

Table 6-2: Significant intercepts of Stora Kopparberg AB drilling (Source: EMX)

Hole ID	From	To	Length	Significant Intercepts
TOMT43002	41.7	47.9	6.2	6.2 m at 5.16% Pb, 11.22% Zn
TOMT57002	58.8	67.1	8.3	8.3 m at 1.69 % Cu
	73.7	77.53	3.83	3.83 m at 2.21 % Cu
	79.6	82	2.4	2.4 m at 1.20 % Cu
TOMT57003	66.4	68.5	2.1	2.1 m at 1.40 % Cu
TOMT62007	16.5	17.1	0.6	0.6 m at 7.9% Zn
TOMT65001	113.7	118.57	4.87	4.87 m at 6.65% Pb, 13.14% Zn, 191.63 ppm Ag, 0.67 ppm Au 2 m at 9.2 %Pb, 18.3 %Zn, 279.8 ppm Ag
TOMT65002	116.15	120.8	4.65	4.65 m at 2.91% Pb, 7.53% Zn, 186.72 ppm Ag, 0.53 ppm Au
	196.8	208.86	12.06	12.06 m at 0.51 % Cu, 27 ppm Ag, 0.24 ppm Au
	216.9	218.65	1.75	1.75 m at 0.28 % Cu
	222.05	223.15	1.1	1.1 m at 1.15 % Cu
TOMT66002	103.7	109.4	5.7	5.7 m at 0.59% Pb, 2.60% Zn
	114.05	115.88	1.83	1.83 m at 0.66% Pb, 1.7% Zn
	163.7	163.92	0.22	0.22 m at 7.20% Pb, 17.70% Zn
TOMT67001	155.58	156.6	1.02	1.02 m at 4.68 % Cu
	162.53	163.5	0.97	0.97 m at 3.83 % Cu
TOMT68001	74.48	83.25	8.77	8.77 m at 0.38 % Cu
	109.29	110.35	1.06	1.06 m at 0.47 % Cu
TOMT68003	7.21	16.57	9.36	9.36 m at 1.38 % Cu
TOMT69003	16.78	18.74	1.96	1.96 m at 0.27 % Cu
TOMT71003	34.05	34.2	0.15	0.15 m at 3.00 % Pb, 7.70% Zn, 61 ppm Ag, 0.60 ppm Au
	40.95	41.25	0.3	0.30 m at 1.00 % Pb, 1.10% Zn

Hole ID	From	To	Length	Significant Intercepts
TOMT71005	117.35	117.55	0.2	0.2 m at 9.44 % Cu
	124.1	124.75	0.65	0.65 m at 1.26 % Cu
	127.35	127.7	0.35	0.35 m at 4.95 % Cu
	129.7	130.35	0.65	0.65 m at 2.79 % Cu
TOMT71010	143.4	152.93	9.53	9.53 m at 1.25 % Cu
TOMT71016	6.8	11.2	4.4	4.4 m at 0.70 % Cu
	74	101.5	27.5	27.5 m at 0.52 % Cu
TOMT71041	3.19	38.22	35.03	35.03 m at 0.4 %Cu, 0.54% Pb, 0.92% Zn, 58.00 ppm Ag, 0.68 ppm Au
	54	57.34	3.34	3.34 m at 0.72 %Cu, 0.62% Pb, 2.42% Zn, 71.29 ppm Ag, 0.84 ppm Au
TOMT70019	101.06	103.4	2.34	2.34 m at 0.45% Pb, 2.72% Zn, 47 ppm Ag, 0.5 ppm Au
TOMT70029	114.92	127.2	18.51	18.51 m at 0.40 %Cu, 0.31 % Pb, 0.84 % Zn
TOMT70030	76.62	77.97	1.35	1.35 m at 1.89 % Pb, 3.2 % Zn
TOMT71002	49.64	51.2	1.56	1.56 m at 4.20 % Pb, 9.85 % Zn
TOMT71004	142.4	142.67	0.27	0.27 m at 1.66 %Cu
TOMT71018	60.7	61.79	1.09	1.09 m at 5 %Cu, 73 ppm Ag, 0.8 ppm Au
TOMT71019	14.35	19.64	5.29	5.29 m at 0.03 %Cu, 0.39% Pb, 4.29% Zn, 35 ppm Ag, 0.52 ppm Au
TOMT71020	8.6	10.16	1.56	1.56 m 33 ppm Ag, 1.1 ppm Au
	15.25	16.67	1.42	1.42 m 0.19 %Cu, 0.1% Pb, 2.2% Zn, 26 ppm Ag, 0.8 ppm Au
	16.67	17.25	0.58	0.58 m 0.18 %Cu, 0.5% Pb, 3.3% Zn
TOMT71021	5.89	7.5	1.61	1.61 m 19 ppm Ag, 0.5 ppm Au
TOMT71022	2.94	7.68	4.74	4.74 m 0.5 %Cu, 0.45% Pb, 8.13% Zn, 43 ppm Ag, 0.38 ppm Au
TOMT71024	22.59	27.59	5	5 m 0.2 %Cu, 1.48% Pb, 7.97% Zn, 49.8 ppm Ag, 0.21 ppm Au
TOMT71026	11.99	14.7	2.71	2.71 m 7.46% Pb, 2.54% Zn, 49 ppm Ag, 0.6 ppm Au
TOMT71027	56.53	59.58	3.05	3.05 m 30 ppm Ag, 0.8 ppm Au
TOMT71028	26.05	26.4	0.35	0.35 m 58 ppm Ag, 0.7 ppm Au
TOMT71030	23.7	25.17	1.47	1.47 m 28 ppm Ag, 0.82 ppm Au
TOMT71031	108.8	126.55	18.45	18.45 m 0.98 %Cu, 0.52% Pb, 0.89% Zn, 55.5 ppm Ag, 0.74 ppm Au
TOMT71032	47.48	48.14	0.66	0.66 m 2.52 %Cu, 25 ppm Ag, 0.4 ppm Au
TOMT71033	22.59	23.55	0.96	0.96 m 0.91% Pb, 1.09% Zn, 73 ppm Ag, 0.7 ppm Au
TOMT71035	28.25	31.1	2.85	2.85 m 0.2 %Cu, 31 ppm Ag, 0.7 ppm Au
TOMT71036	118.5	128	9.5	9.5 m 0.18 %Cu, 1.23% Pb, 1.98% Zn, 25.4 ppm Ag, 1.28 ppm Au

Hole ID	From	To	Length	Significant Intercepts
TOMT71037	47.3	47.7	0.4	0.4 m 0.18 %Cu, 2% Pb, 4.6% Zn, 87 ppm Ag, 0.6 ppm Au
TOMT71040	106.6	110.64	4.04	4.04 m 84.8 ppm Ag, 0.78 ppm Au
TOMT71042	54.20	60.48	6.28	6.28 m 0.18 %Cu, 1.23% Pb, 1.98% Zn, 25.4 ppm Ag, 1.28 ppm Au
TOMT72005	14.2	43.45	10.14	10.14 m 106.8 ppm Ag, 0.54 ppm Au
TOMT62001	28.6	29.7	1.10	1.10 m 1.8% Pb, 2.1% Zn
TOMT68004	1.40	10.65	9.25	9.25 m 1.01 %Cu
TOMT68005	15.9	17.5	1.6	1.6 m 1.33 %Cu, 1.7% Pb, 3.4% Zn
	19.33	19.7	0.37	0.37 m 0.22 %Cu, 2.9% Pb, 8.2% Zn
TOMT70001	9.95	11.35	1.4	1.4 m 0.07 %Cu, 4.21% Pb, 24.3% Zn, 108 ppm Ag, 0.2 ppm Au
TOMT70003	5.79	10.77	4.98	4.98 m 0.23 %Cu, 4.67% Pb, 9.31% Zn, 133 ppm Ag, 0.3 ppm Au
TOMT70004	2.00	18.17	16.17	16.17 m 0.22 %Cu, 2.86% Pb, 5.42% Zn, 93 ppm Ag, 1.03 ppm Au
TOMT70009	0.00	13.73	13.73	13.73 m 0.2 %Cu, 1.34% Pb, 1.19% Zn
TOMT70010	2.58	12.90	10.32	10.32 m 0.25 %Cu, 1.12% Pb, 2.09% Zn
TOMT70011	26.95	28.50	1.55	1.55 m 0.27 %Cu, 13% Pb, 16.9% Zn, 222 ppm Ag, 1 ppm Au
TOMT70015	4.72	5.38	0.66	0.66 m 7.94 %Cu, 189 ppm Ag, 4 ppm Au
TOMT70016	16.75	25.46	8.71	8.71 m 0.87% Pb, 8.27% Zn
	30.10	43.40	13.30	13.30 m 1.94% Pb, 14.39% Zn
TOMT70017	0.31	3.60	3.29	3.29 m 2.45% Pb, 4.29% Zn, 47 ppm Ag
TOMT70019	0.00	5.50	5.50	5.50 m 0.21 %Cu, 1.48% Pb, 2.89% Zn
	53.43	56.5	3.07	3.07 m 0.1 %Cu, 1.74% Pb, 2.83% Zn
TOMT72003	14.2	25.65	11.45	11.45 m 0.59 %Cu, 23 ppm Ag, 0.2 ppm Au

Note: true thickness of drill intervals and orientation of the mineralization are unknown

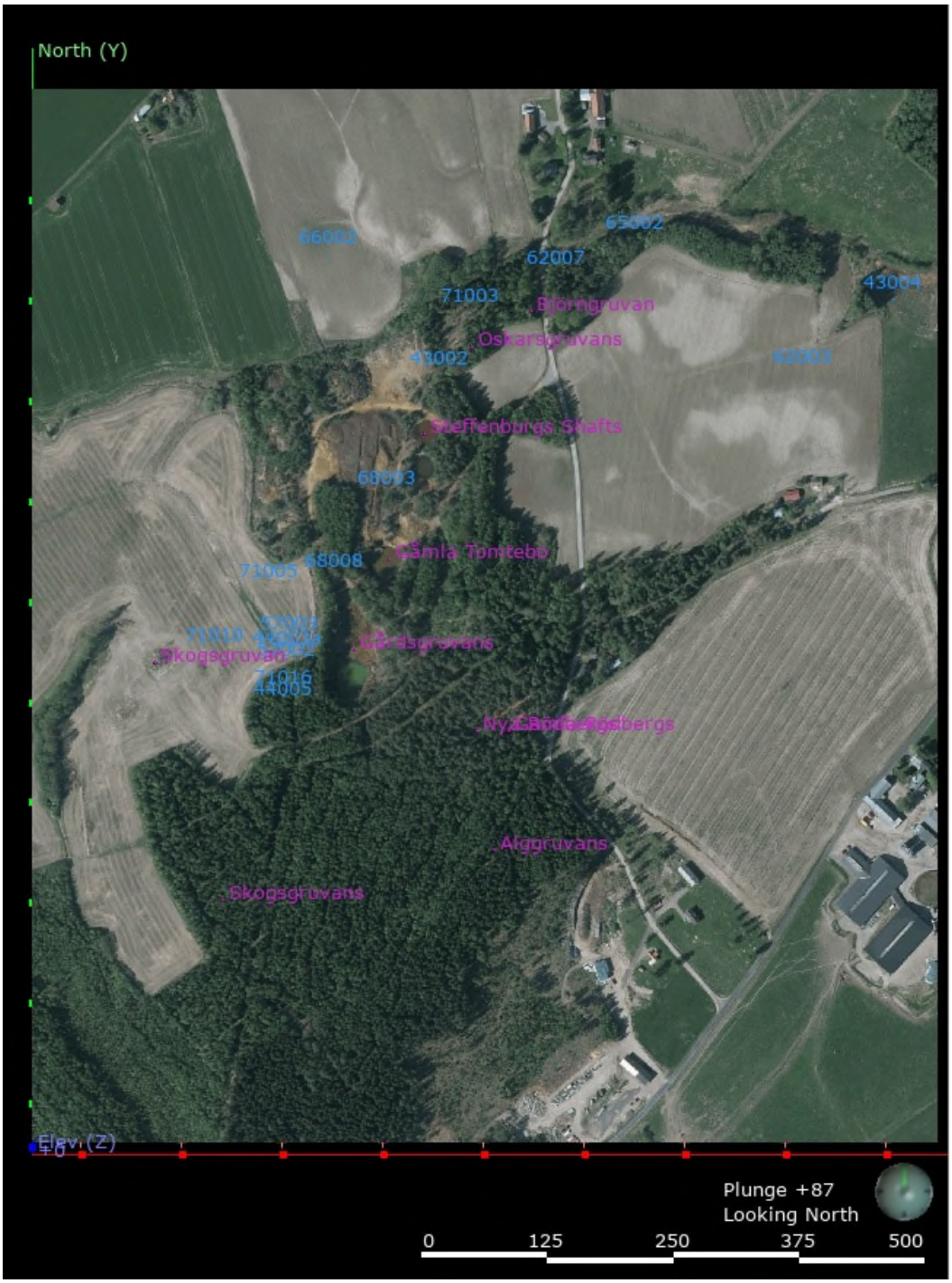


Figure 6-2: Distribution of the drill holes in the Tomtebo mine. (blue numbers show historical drill holes, purple letters shows mining works name) (provided by EMX,2020).

6.2.2. Boliden and LKAB

After the Tomtebo mine was closed in 1968, Boliden AB and LKAB carried out surface exploration activities including in the Tomtebo and Nyhyttan areas pursuant to various joint venture agreements with Stora and opened the mine again in the 1980's.

LKAB conducted geological mapping and regional geochemistry (heavy mineral and stream sediment sampling). In 1980, LKAB also did an airborne geophysical survey with input and magnetics for about 80 line km. The company followed up the airborne geophysical anomalies by ground geophysics including IP measurement using Wenner configuration. Also, during the IP measurements, VLF and magnetometer measurements were run. A total length of the profiles with a 40 meters separation was 17 km.

After the analysis of the geological and geophysical surveys, LKAB conducted geochemical bedrock and till samplings (with Cobra drill) from 95 points. The results of LKAB's research did not indicate any potential for the continuation of the copper mineralization at surface.

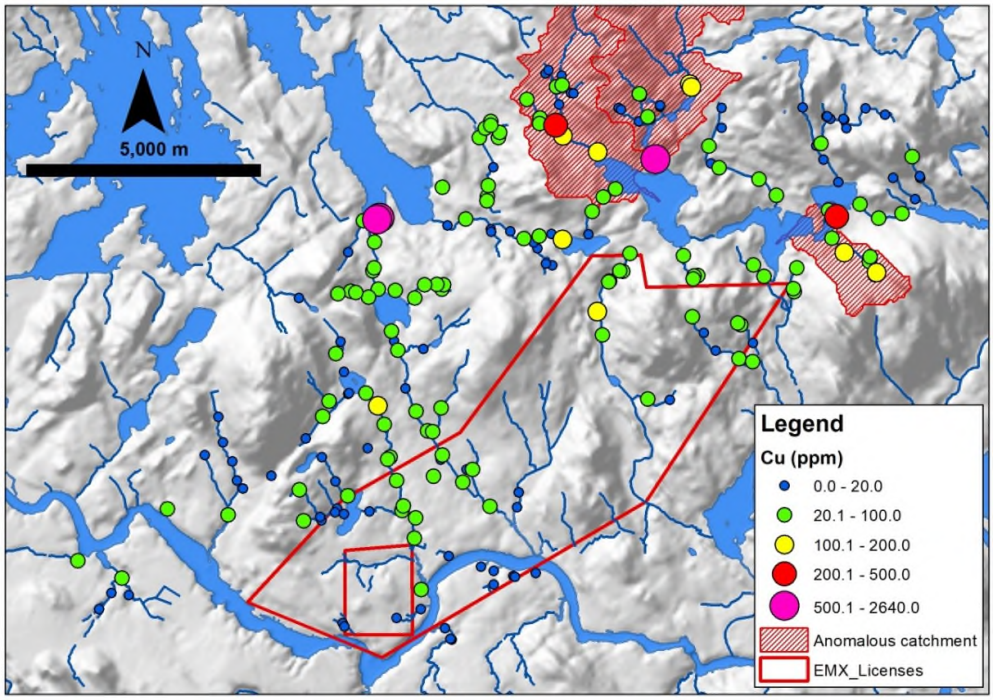


Figure 6-3: Regional geochemistry map including Tomtebo area (digitized and provided by EMX)

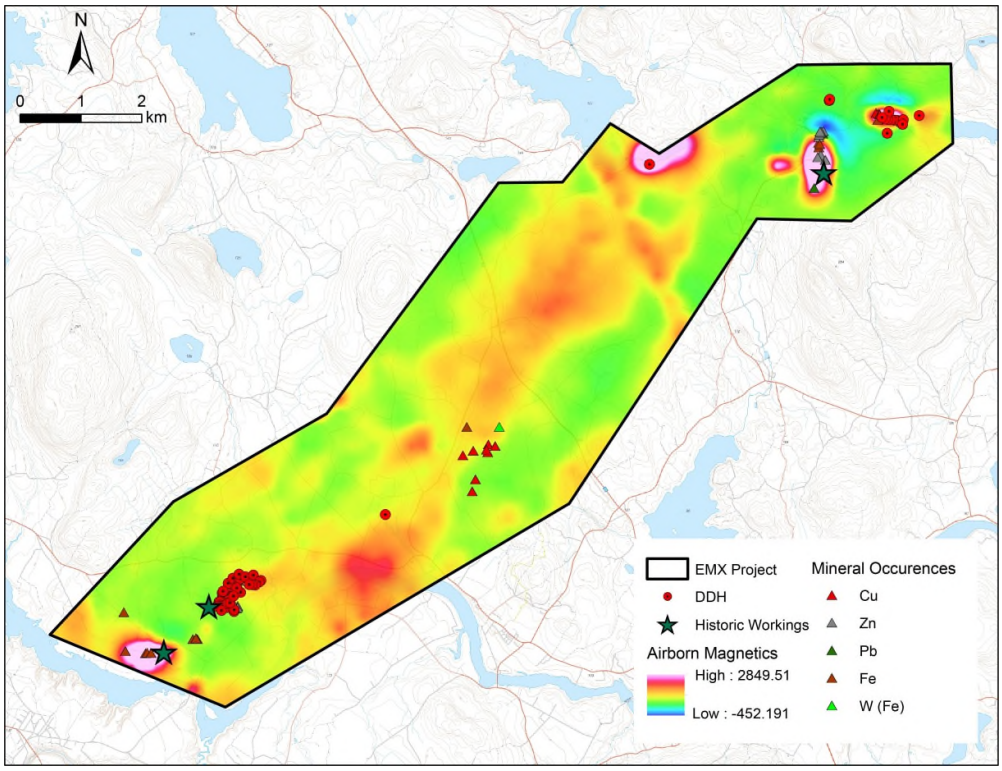


Figure 6-4: Airborne Magnetic map in Tomtebo area (provided by EMX)

6.2.3. Tumi Resources Limited

In 2006, Tumi Resources Limited (Tumi), which held the Tomtebo license until 2011, completed airborne (by helicopter) electromagnetic (EM) geophysical surveys (the Surveys) over the Öster Silvberg, Tomtebo and Vitturn areas in the Bergslagen District of Sweden.

The surveys comprised about 500 line-kilometres with line spacings of 100 metres and covered a total area of about 50 km^2 (**Figure 6-5**). The surveys identified a number of targets near the old workings at the historic Tomtebo mine.

Following airborne electromagnetics, Tumi completed an induced polarization (IP) survey covering an area of 1,000m by 800m centered on an airborne electromagnetic (EM) anomaly in 2007 (**Figure 6-6**). The IP survey supports the existence of the EM anomaly and, in addition, several previously unknown anomalies with high chargeability and low resistivity were detected.

In 2011, Tumi drilled two diamond drill holes totaling 227.3 m to explore the old workings and a previously untested electromagnetic (EM) and induced polarisation (IP) anomaly. But there is no information about the drill assays.

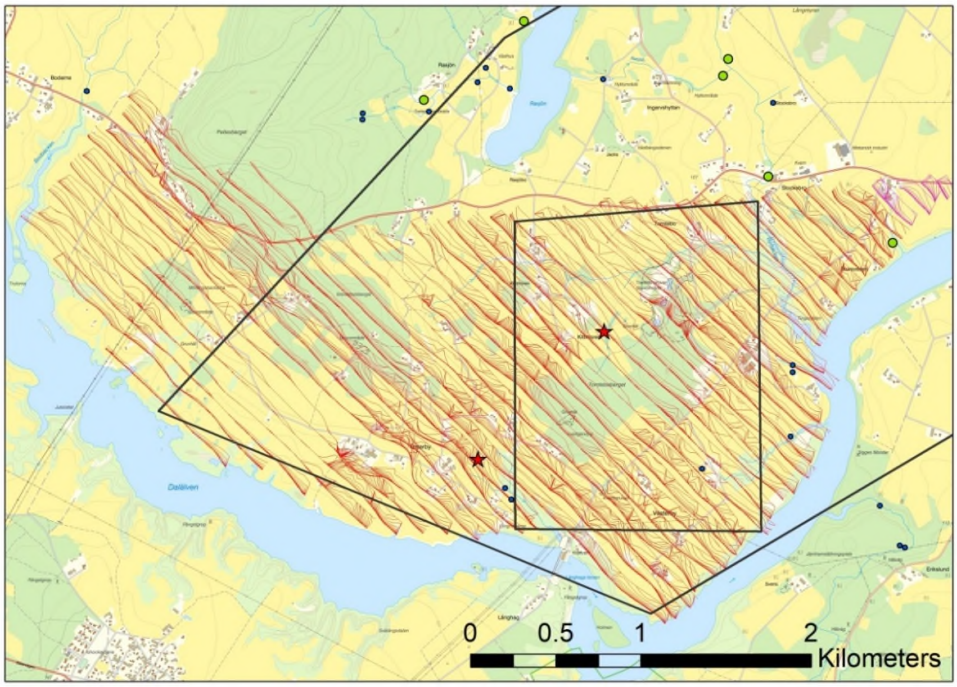


Figure 6-5: Airborne electromagnetic ("EM") geophysical surveys over Tomtebo area (provided by EMX)

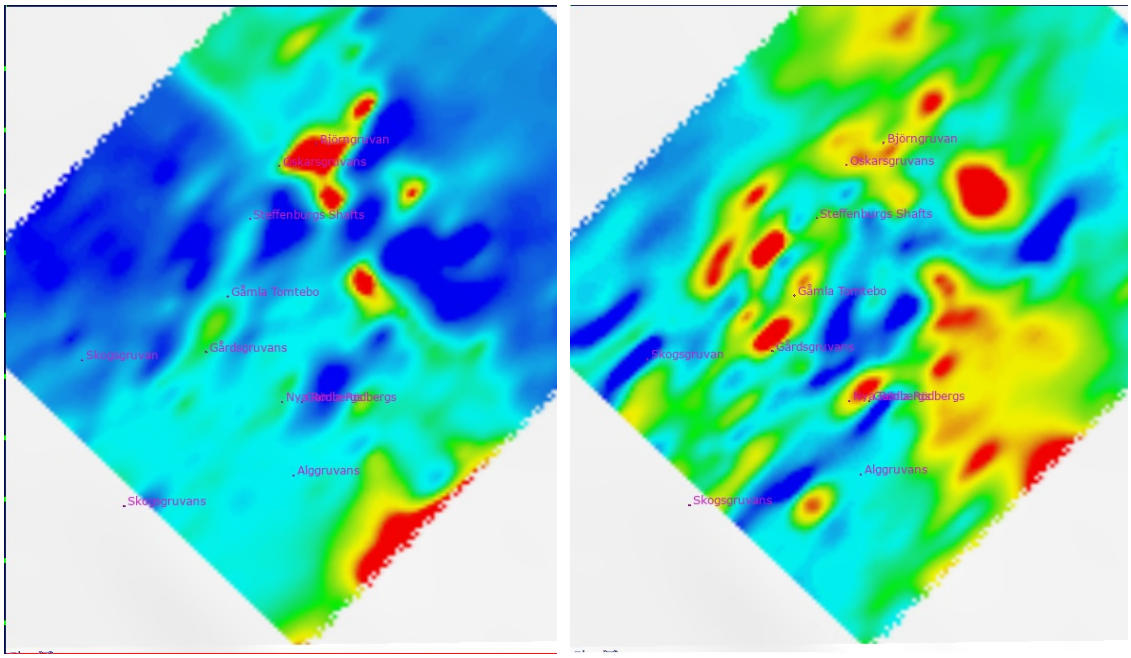


Figure 6-6: Tomtebo Area Chargeability Image (left)and Apparent Resistivity Image (right) (25m Dipole Gradient Array)

6.2.4 VIAD/EMX

Viad acquired the Property in 2018, and successfully collected a vast amount of data on the deposit from various archives in Sweden. In addition, they conducted geochemical rock sampling with a few samples in 2018.

Viad collected 11 rock grab samples from the dump material which is close to the mine and shaft areas. Rock sample results are provided in **Table 6-3.**

Table 6-3: Rock chip sample results (EMX)

Sample ID	Easting UTM	Northing UTM	Au ppm	Ag ppm	Cu (%)	Pb (%)	Zn (%)	Mine
1118815	540080.7	6697164.817	0.3020	3.07	0.2250	0.0162	0.0860	Tomtebo Mine
1118816	540123.3	6697123.63	0.3890	14.50	1.7450	0.0379	0.2860	Tomtebo Mine
1118817	539976.6	6697372.068	1.6950	383.00	2.9700	5.9800	0.3510	Tomtebo Mine
1118818	540024.9	6697375.942	0.7730	20.30	0.4020	0.0853	0.1510	Tomtebo Mine
1118819	540083	6697554.24	0.0690	121.00	0.1580	10.8000	20.1000	Tomtebo Mine
1118820	540036.8	6697395.676	2.4500	30.00	1.0000	0.1150	0.1440	Tomtebo Mine
1118822	539939.4	6697458.315	1.3300	23.00	0.1420	0.1650	0.1890	Tomtebo Mine
1118823	540099.9	6697583.386	0.1260	77.70	0.1630	5.2700	10.7000	Tomtebo Mine
1118824	549706.2	6704792.725	0.1310	138.00	1.2400	5.0900	8.0900	Lövås Mine
1118825	549716.4	6704757.443	0.1270	63.90	0.7160	0.6480	25.2000	Lövås Mine
1118826	549690.5	6704883.404	0.3360	370.00	0.1230	20.0000	0.9780	Lövås Mine

Also, during the exploration program Viad re-logged the six historical drill holes to understand the nature of the mineralization or confirming the historical data. During this study, Viad did a quick log including TOM57002-TOM65001-TOM66002-TOM67001-TOM71016-TOM71041. This includes identifying and recording lithology, alteration, mineralization and structures. Also, at some sample intervals, Viad checked the assay results by XRF and took notes into the log sheet without noting down the meters at which analysis were conducted.

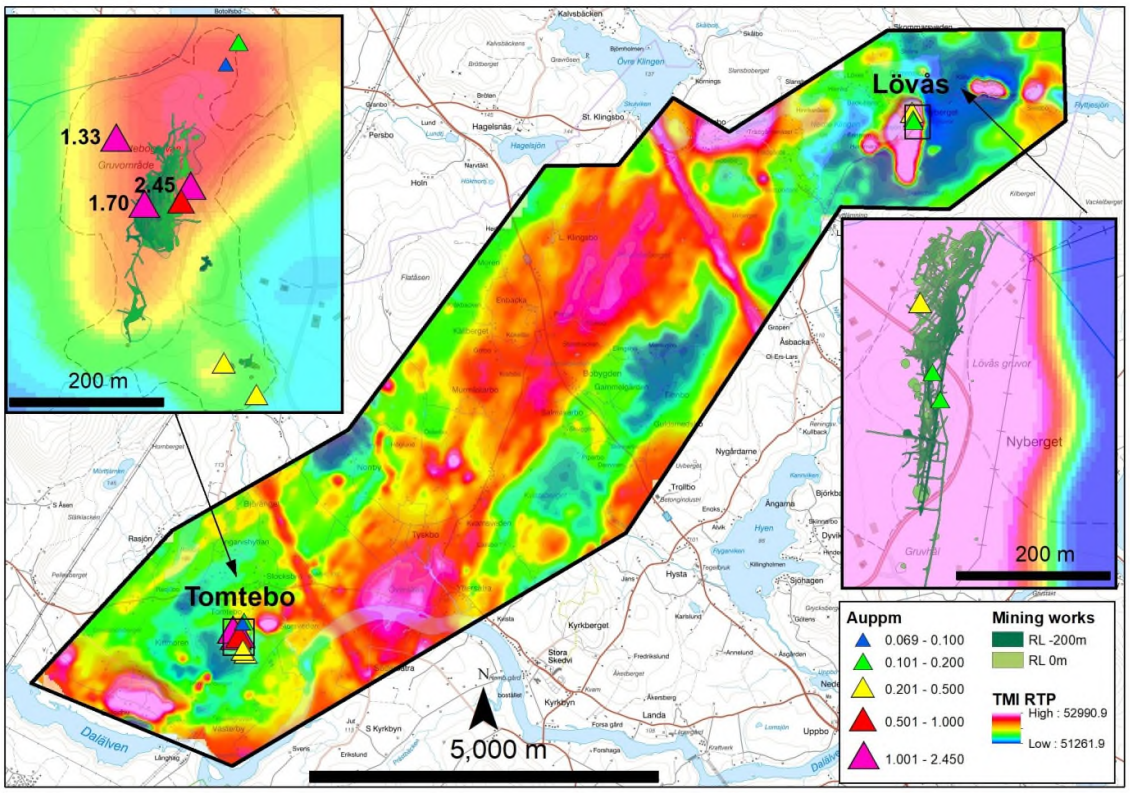


Figure 6-7: Distribution of the rock samples taken by Viad

6.3. Previous Production

Mining at the historic Tomtebo Mine on the Property started in 1648. In Between 1836 and 1937, 1,841 tons of copper and 1,077 tons of sulphur production were reported. Between the years 1914 and 1919, mineralization mining was resumed with a total of 45,654 tons of waste and mineralization recovered. From this mining activity, 9,135 tons of directly usable sulfur with 41% S and 5,218 tons of direct usable copper mineralization with an average of 4.5% Cu were obtained. The copper content of the mineralization varied from 3.0% Cu to 5.3% Cu between the years 1915 and 1919 (**Figure 6-8**).

During the Second World War, 1942-1945, the Tomtebo mine was active for a few years and mineralization from old dumps was produced.

Malmbrytningen i Tomtebo gruvor åren 1914—1919.

År	Brutet berg och malm ton	Erhållen malm				Anrikningsmalm ton
		Svavelkis		Kopparmalm		
		ton	S-halt %	ton	Cu-halt %	
1914	1 466	580	43	—	—	730
1915	8 447	1 764	43	178	4.5	4 159
1916	2 865	1 805	40	74	5.0	2 169
1917	11 250	3 247	40	590	3.0	6 572
1918	16 005	1 186	40	3 433	4.4	5 411
1919	5 621	603	40	948	5.8	3 202

Figure 6-8: Table showing the amount of mineralization produced from Tomtebo mine between 1914 and 1919 (Tegengren, 1924)

The most recent mining took place between 1965 and 1968 when Stora lowered the New Tomtebosch Shaft from approximately 90 m to 200 m in depth at the Tomtebo mine. The average mineralization grade, between 1965 and 1969, was about 1% Cu, 1% Zn and 35 % S (Tumi, 2010).

The August 31, 2010 news release by Tumi Resources also gives information on the previous mining and historical mineral resource estimate with reference to the report written in 1983 by Birger Hellegren. According to the information in this Newsletter, the Tomtebo mine was operated between 1965 and 1968, using a shaft of 4.2 m diameter and 244 m depth. Unmined resources remaining between the surface and the 200 m level and estimated at 385,000 tons grading 0.67% Cu, 1.84% Pb, 3.72% Zn, 0.66 g/t Au and 55 g/t Ag 0.67% Cu, 1.84% Pb, 3.72% Zn, 0.66 g / t Au and 55 g / t Ag were left in the section when the mine was closed. No information is available to the author whether that resources have been extracted since 1968, when the mine was closed. The author could not get confirmation since the mine workings are now inaccessible.

This is a historic resource for the purposes of NI 43-101, and a Qualified Person has not done sufficient work to classify the historic estimate described above as current mineral resources or mineral reserves. DMX is not treating the historical estimate as current mineral resources or mineral reserves. As noted above, the historic resource was derived from the August, 2010 news release issued by Tumi Resources with reference to the report written in 1983 by Birger Hellegren. The key assumptions, parameters and methods used to prepare the historical estimate are not known. The historical estimate does not use any categories (uses only the term “unmined resources”) prescribed by NI 43-101. The author considers these results to be relevant as indications of the presence of mineralization on the property, and will use the information to recommend future exploration.

As for Lövås Mine, situated north east of Property, a historic production of 330,000 tonnes at grades of 3.5% Zn, 2.5% Pb, and 30g/t Ag was reported. The Lövås mines, also called Nybergs mines, were active from 1561 with some interruptions until 1954 when the mining operation was closed down. There are fifteen mining openings extending from north to south for a distance of 300 m.

Photo 6-1: The open pit of Nya Rödbergs gruvans mine.

Photo 6-2: Dumps and mine workings on the Tomtebo Mine

7. GEOLOGICAL SETTING AND MINERALIZATION

7.1. Regional Geology

There are a number of good geological descriptions of the historic mining district of Bergslagen in the south central part of Sweden (e.g., Allen et al., 1996 and 2013; Stephens et al., 2009). Much of the information in this section has been summarized from these publications.

The Bergslagen region hosts a diverse range of deposit types, including apatite-bearing iron mineralization, banded iron formations, skarn- and carbonate-hosted iron mineralization, manganiferous skarn- and carbonate- hosted iron mineralization, W skarn, stratiform and strata-bound polymetallic base metal sulphide deposits (Allen and Jansson, 2013). The region contains 5,955 iron and 1,000 sulphide occurrences, in Bergslagen; all are listed in the official database for mineral deposits (MDEP) of the Geological Survey of Sweden (SGU).

The Bergslagen regional geology is dominated by Palaeoproterozoic (approximately 1.9 to 1.8 Ga) metamorphosed volcano-sedimentary succession composed mainly of submarine rhyolitic volcanic, sub-volcanic, and volcaniclastics with subordinate mafic volcanics, chemical, epiclastic, and carbonate sediments (**Figure 7-1**). The volcanics are informally known as leptite (a local term) for coarse metamorphosed acid volcanics. In the Bergslagen district, they form a 2,000 m thick succession, which varies from potash-rich to extreme soda-rich types (quartz-keratophyres) with subordinate intermediate volcanics.

The metamorphosed volcano-sedimentary succession has been intruded by Svecofennian orogenic granitoids generally considered co-magmatic with the volcanic sequence. These intrusions are divided into three types according to their composition: granitoid-dioritoid-gabbroid (GDG), granitoid-syenitoid-dioritoid-gabbroid (GSDG), and granite-pegmatite (GP). The GDG along with some GSDG rocks are the oldest of the intrusions (1.9 to 1.87 Ga) and are pre-tectonic. The syn- and post-tectonic intrusions (1.87 Ga to 1.75 Ga) are dominated by the GSDG and GP type intrusions.

The Bergslagen district is inferred to have formed along an extensional back-arc within an active continental margin region in a convergent plate boundary setting, when a period of retreating subduction and extensional or trans-tensional tectonic regime was followed by advancing subduction and transpression. This interpretation is based upon the chemistry of volcanic rocks ('immobile elements,' such as Zr, Ti, Y, REEs chemistry) together with isotope data, but there is no conclusive evidence as to the tectonic setting of the district.

Most of the mineralization deposits are associated with skarn, crystalline carbonate rock and metamorphosed, hydrothermally altered felsic volcanic and volcano-sedimentary succession (leptites). Skarn is extremely common in Bergslagen—the word "skarn" originates from this region—and is used here non-genetically as a reference to calc-silicate or Mg-silicate mineral assemblages. Base

metals are found both as volcanic-hosted massive sulphides and as massive or disseminated sulphides that may be closely associated with the iron mineralization. The base metals are believed to be broadly coeval with volcanism and the emplacement of iron mineralization. The majority of the significant base metals are restricted to a 120-km-long and 30-km-wide zone oriented northwest–southeast, normal to the main structural trend of the host leptites, but parallel to a major fracture trend that may have controlled the emplacement of mineralization and possibly volcanics (Allen and Jansson, 2013).

The Property is marked by a red and yellow star is shown in **Figure 7-1** . The historical world-class Falun Cu-Au-Ag-Zn-Pb mine and polymetallic base metal sulphide deposits currently being mined (Garpenberg Cu-Zn-Pb-Ag-Au, Lovisagruvan Zn-Pb and Zinkgruvan Zn-Pb-Cu mines) are displayed by yellow star symbols (Allen et al., 2013). This information is not necessarily indicative of the mineralization on the Property that is the subject of this technical report.

The 1.9–1.8 Ga rocks in the Bergslagen region and their stratigraphic relationships to each other are addressed initially below, with the focus on the supracrustal rocks, because of the broadly synvolcanic character of the mineralization in the region. Due to the intense polyphase deformation and metamorphism in large parts of the Bergslagen region, and the significance of various structures for the subsequent remobilization of metal-bearing minerals, attention is subsequently focused on the Svecokarelian structural and metamorphic domains in the region.

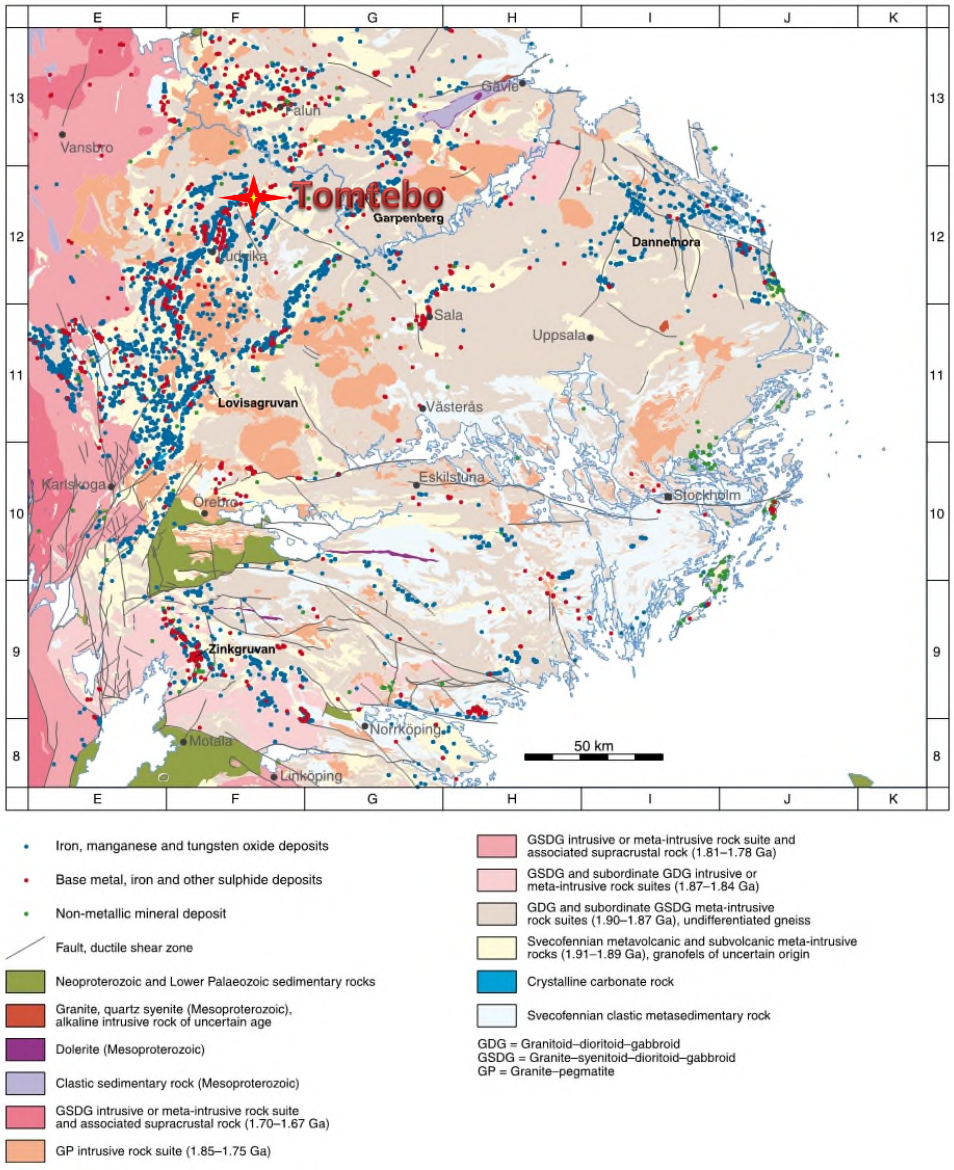


Figure 7-1: Geology Map of the Bergslagen Region

7.2. Property Geology

The information for this subsection is taken from a number of internal reports and documents, including geological maps and sections generated by mainly EMX geologists.

It should be noted that the greater part of the Property is covered by extensive soil, and till and waste dumps. Thus, the description of rock types, alteration, mineralization, and tectonic structures is mainly based on the drill cores and scarce outcrops.

The Property exhibits a metamorphosed and highly deformed, but still coherent, stratigraphic succession of Palaeoproterozoic metavolcanic and metasedimentary rocks. Local stratigraphy consists of metamorphosed felsic volcanics (leptite) and volcanoclastic rocks with subordinate mafic volcanics and crystalline carbonates (marble) lens that trend east–northeast to west–southwest (**Figure 7-2**). The unit is also known as the "leptitic series."

The Svecofennian supracrustal volcano-sedimentary sequence is intruded by:

- Synorogenic mafic volcanics, parallel to the regional northeast-southwest trend and possibly sills (1.90–1.86 Ga);
- Relatively small intrusions of porphyritic granite (GD suite,1.85–1.75 Ga);
- Generally NNW-SSE trending younger diabase dykes, clearly crosscutting the stratigraphy; and
- Older GDG (1.9–1.86 Ga) metagranitoids form the northern and southern boundary to the supracrustal succession.

Allen et al. (1996) considered that the supracrustal volcano-sedimentary sequence was deposited in a back-arc basin, developed on continental crust. The intrusives are generally considered co-magmatic with the volcanic sequence. During the orogenic build-up, the volcano-sedimentary succession has been folded into a tight synform and has been metamorphosed to amphibolite facies.

The geological structures are often oriented in a southwest-northeast direction and are steeply dipping southeast.

Figure 7-2 shows the project scale geological map showing prospects: 1) Tomtebo mine 2) Lövås mine

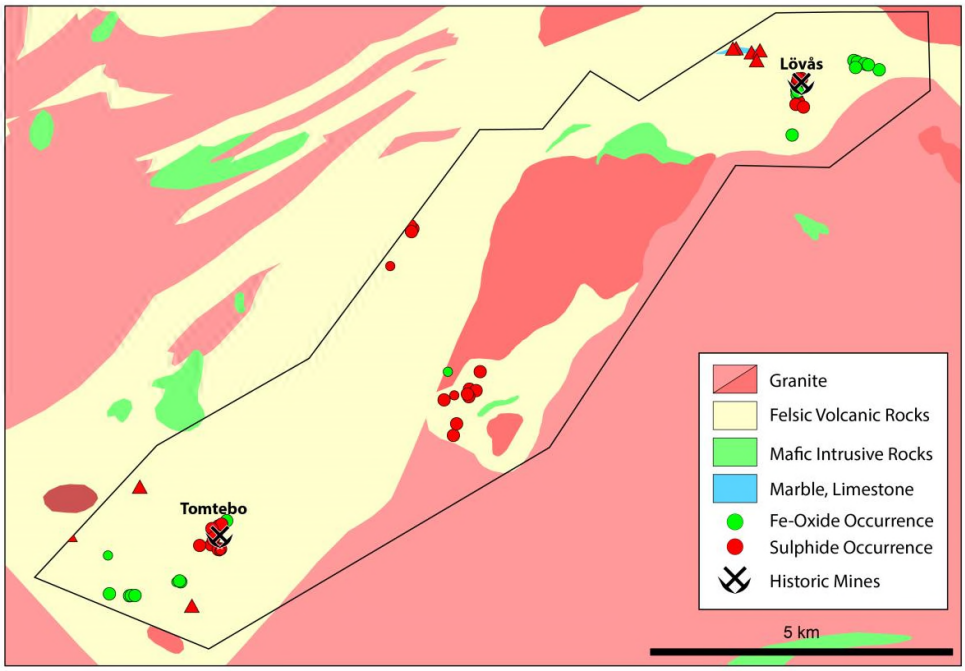


Figure 7-2: Project Scale Geological Map Showing Prospects

7.3. Property Mineralization

The Property contains several mineralized and mine areas that can be classified into different zones depending on the host rock and the style of mineralization.

The Property area can be grouped into two zones based on the distribution of historic mines and surface exposures (**Figure 7-2**) and the style of mineralization observed at the Tomtebo and Lövås Mines.

Data obtained through the geological observations on the surface, historical mine maps with notes, the observation of some mineralization left on the surface and the dumps enables one to get a good idea of the mineralization in the zones. These are summarized below.

7.3.1. Tomtebo Mine

The Tomtebo mine area is situated in the southwest of the Property area. There are various mine openings and several shafts extending from southwest to northeast for a distance of 320 m at the Tomtebo mine area (**Figure 7-3**).

Unverified historical data (ie. underground mine plan and drillings) polymetallic mineralization has been drilled along an approximate 600 m trend from the underground exploration drift along the -200 level, and remains open. Eight holes were drilled beneath the -200 m level, and intersected mineralization at approximately 300 m depth from surface that remains open. The width of mineralization at the Tomtebo Mine from historical drilling is unknown.

Haksberg (1983) gives a definition of the mineralization bodies. The mineralization bodies lie in the same horizon which is folded into an anticline with its axis dipping about 55° west. He also mentions that the mineralization bodies form elongated lenses, and adds that on the saddle of the anticline, they are bar shaped. The mineralization bodies are mostly located in small folds in the anticline.

The mineralization is mostly of chalcopyrite and sphalerite, associated with galena, pyrite, and pyrrhotite, occurring in three types i.e. py and ccp in coarse grained milky quartz vein, footwall stringer-type mineralization, semi-massive, massive replacement style, Ag-Zn-Pb mineralization.

Sulphide mineralization at the Tomtebo mine occur in the biotite-sericite-quartz-schist and biotite-andalusite-quartzite as seen in the interpreted geological map (**Figure 7-3**). The felsic metavolcanic rocks show phlogopite-biotite-cordierite-sericite-quartz, tremolite, anthophyllite alteration, footwall type alteration.

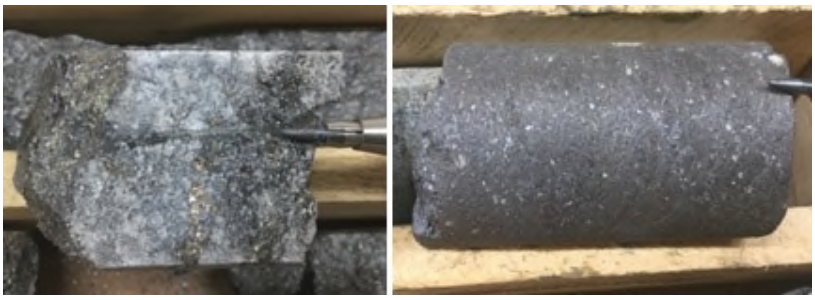


Photo 7-1: Semi-massive (left)-massive type pyrite and sphalerite (left) py,sp and ga mineralization in quartz-biotite schist (Drill Hole ID: TOM66002:115,5 meter)

Photo 7-2: Py and ccp in coarse grained milky quartz vein (Hole ID: TOM67001 155m)

Photo 7-3: Py-po-ccp veinlets in mica-schist (Hole ID: TOM67001 144,5)

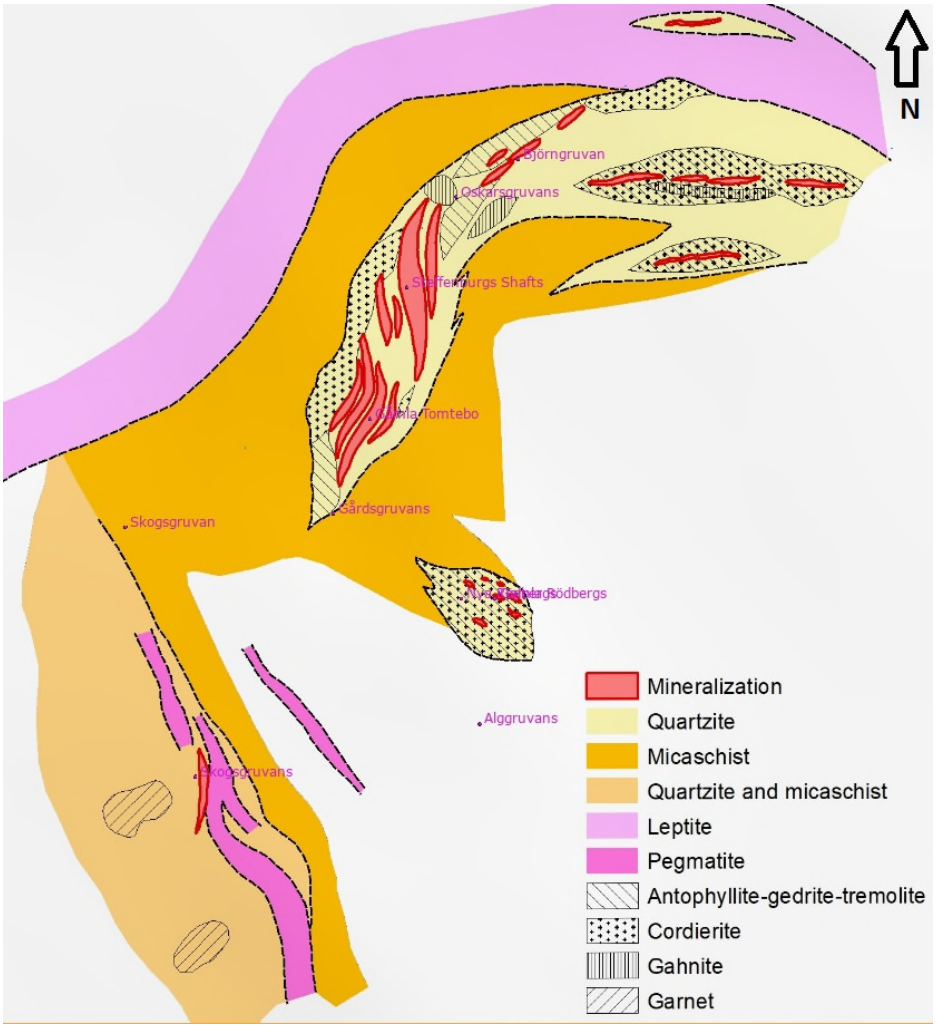


Figure 7-3: Geological map of the Tomtebo mineralization field (modified from Bromley, 1983; provided by EMX)

7.3.1.1 Gårdsgruvan

The Gårdsgruvan ("Farm" in English) pit is about 100 m × 40 m on the surface with an unknown depth and is filled with water. The dominant rock lithology is felsic metavolcanics. There is no mineralization observed in the outcrop. However, in the dump materials, mineralization is present and is mainly chalcopyrite associated pyrite, magnetite and pyrrhotite occurring as stringer/feeder-zone mineralization in "footwall-style" altered (dark-green chlorite alteration) rocks. The mineralization consists of a flared lens and plunging to 55 degrees to the west-southwest (SGU, 2015).

Photo 7-4: Historical Gårdsgruvan pit filled with water.

Photo 7-5: A sample showing pyrite and minor chalcopyrite mineralization in footwall style altered quartzite?

7.3.1.2 Nya Rödbergsgruvans and Gamla Rödbergsgruvans shaft

This shaft area is 150 meters southwest of the Gårdsgruvan pit. Entries of the shafts are filled with water, and there is a fence around them. There are two shafts, namely Nya Rödbergsgruvans and Gamla Rödbergsgruvans shaft and both of them are about 10 meters long and 5 meters wide. They are very close to each other. The depths of the mine shafts are unknown. Pyrite and minor chalcopyrite mineralization can be observed in footwall style altered felsic metavolcanic rocks in the dump material.

Photo 7-6: Entry of the Nya Rödbergsgruvans shaft filled with water and fence.

7.3.1.3 Gamla Tomtebo dagbrott and shaft

The Gamla Tomtebo pit is about 50 meters north-northwest of the Gårdsgruvan pit. The pit is about thirty meters in diameter and filled with water. The mineralization consists of chalcopyrite associated with pyrite and pyrrhotite in felsic metavolcanic rock. The felsic metavolcanic rocks are biotite rich and sericite altered. On the west of the open pit, a one meter thickness N-S oriented pyrite rich zone in the felsic metavolcanic rocks was observed. In one location, a dark yellow gahnite, or zinc aluminum oxide, was observed. Most of the area around the pit is covered by dumps and slag.

Gamla Tomtebo shaft advanced through the mineralization body by 80 meters. According to the mine map, the mineralization body is about 100 m long and 30 m wide with a dip of about 60° west-southwest.

Photo 7-7: A view of Gamla Tomtebo dagbrott and shaft

7.3.1.4 Nya & Steffenburgs shaft

Nya ("New" in English) shaft was lowered during the mining in the 1960s to about 200m deep and used for mineralization extraction and exploration. The entry of the shaft is covered with a rectangular concrete cap.

Photo 7-8: Nya Shaft

Steffenburgs shaft is located 20 m from the Nya shaft. Entry to the shaft is filled with water. There is no information about the depth of the shaft.

Photo 7-9: Entry of the Steffenburgs shaft

There is a large dumb area close to Nya and Steffenburgs shafts. Most of the dumb material is mineralized. Replacement-style sphalerite and galena, banded massive sulphide, stringer style chalcopyrite and Fe-sulphides were observed in the dump material. EMX geologist collected samples from dump material and these returned 1.33 g/t Au, 23 g/t Ag, 0.142% Cu, 0.186% Zn, and 0.165% Pb.

Another dump area is located 100 m north of the Steffenburgs shaft. The dump material contains mostly massive yellowish-brown sphalerite associated with minor amounts of galena and chalcopyrite.

Photo 7-10: A sample showing sphalerite and galena (massive) in dump material.

7.3.1.5 Skogsgruvan

The Skogsgruvan ("Forest Mine" in English) is situated 280 meters southwest of the Gårdsgruvan, with a length of about 10meters and a width of about 5 meters. The mineralization occurs in the contact between strongly sericitic altered mica schist and pegmatite. The mineralization consists of stringer style dark brown colored sphalerite associated with minor galena and pyrite.

Photo 7-11: A sample showing sphalerite stringers in highly altered rock

7.3.2. Lövås Mine

The Lövås Mine, also called Nybergs mines, is situated in the northeast part of the Property area. There is limited information (level plans and sections of historical production) about the area.

Since the mine areas are mostly covered with shafts and dumps, the following information on mineralization, wall rock, and alteration was essentially compiled from the underground maps, reports, and observations on the dumps. The dump materials have enabled geologists to get a good idea of the mineralization in the zones.

The Lövås mine was active from 1561 with some interruptions until 1954 when the mining operation was closed down. Available records on the historical production reported 330,000 tons at 3.5% Zn, 2.5% Pb, and 30 g/t Ag as stated in the SGU report. According to the mine map provided by EMX, the Lövås mine mineralization body was composed of relatively small lenses intermittently extending for about 300 meters long with a dip of about 60° southeast. The lowest adit is at about 190 meters depth from the surface.

There are fifteen mining openings extending from north to south for a distance of 300 meters. These are: Prestgruvan shaft, Storgubbengruvan shaft, Augustaschaktet shaft, Riddarstolpes shaft, Göran Erssons shaft, Adolf Fredriks Shaft and Storgruvemalmeu shaft. Currently, all the shaft entries are filled with water. Relatively large dump piles cover a large area around the shaft area.

The deposit associated with a carbonate horizon which is surrounded by porphritic volcanic and metavolcanics. Coarse grained massive to semi-massive sulphide and magnetite, banded dark brown colored sphalerite, galena and magnetite style mineralization associated with pyrite was observed in the dumps. The mineralization is associated with calc-silicate (meta-limestone) and highly altered rocks. These rocks can easily be seen in the dump material. In 2018, EMX collected three rock grab samples from dump piles that returned 1.0-25.2% Zn, 0.65-20.0% Pb, 63.9-370.0 g/t Ag, 0.12-1.24% Cu, 0.13- 0.34 g/t Au and 12-2820 ppm As.

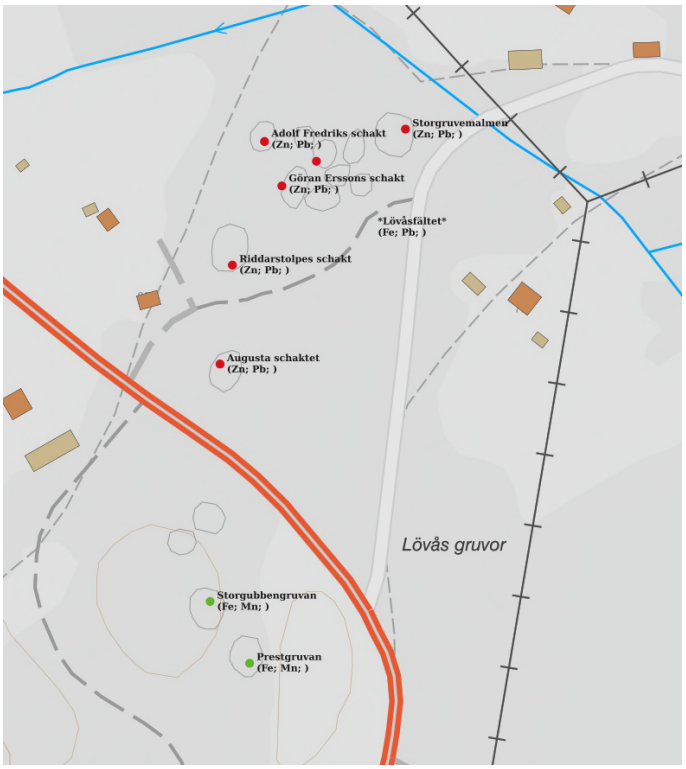


Figure 7-4: Map showing mining openings

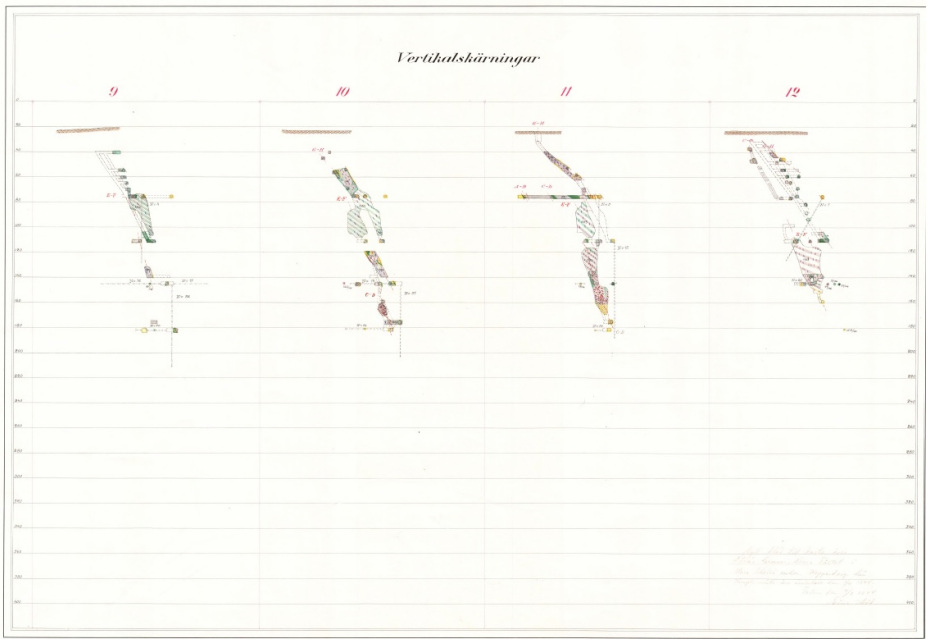


Figure 7-5: Historical sections of the Lövås Mine

Photo 7-12: Samples showing mineralization in Lövås Mine. a) Carbonate replacement with sulphide b-c) Coarse grain massive sphalerite d) Banded sulphide

8. DEPOSIT TYPE

The geologic setting and styles of mineralization all suggest that the Tomtebo deposit has been formed in a geological environment that hosts classic bimodal volcanic-rock-hosted massive sulphide deposits. Tomtebo mineralization seems to favour a volcanogenic (VMS) model in a rifted continental back-arc environment, an inference based on the following evidence:

- Close spatial association with submarine bimodal volcanic sequences (with felsic > mafic) and associated sedimentary sequences, which have been folded, metamorphosed, and intruded by synorogenic granitoids. Tomtebo mineralization appears to be formed in a rifted continental arc.
- The mineralization is composed of the elements copper, zinc and lead with significant amounts of gold and silver.
- Tomtebo mineralization appears to be emplaced at and clustered within the contact between metasedimentary and metavolcanic rocks (within a restricted stratigraphic interval or favourable horizon).
- Tomtebo deposits contain massive and stringer- or (feeder-) type mineralization. Massive mineralization contains mainly pyrite with (Zn+Pb+Cu) sulphides. Parts of the massive sulphide bodies may contain banded texture due to different sulphide minerals or alternating sulphide-silicate minerals. They consist of stratiform or stratabound lens-shaped bodies.

In addition to the above-mentioned mineralization, the Lövås Mine seems to show magmatic related CRD (carbonate replacement deposit) based on the mineralization geometry, mineralization texture (very coarse-grained iron-rich sphalerite + pyrite), alteration and the host rock (meta-limestone).

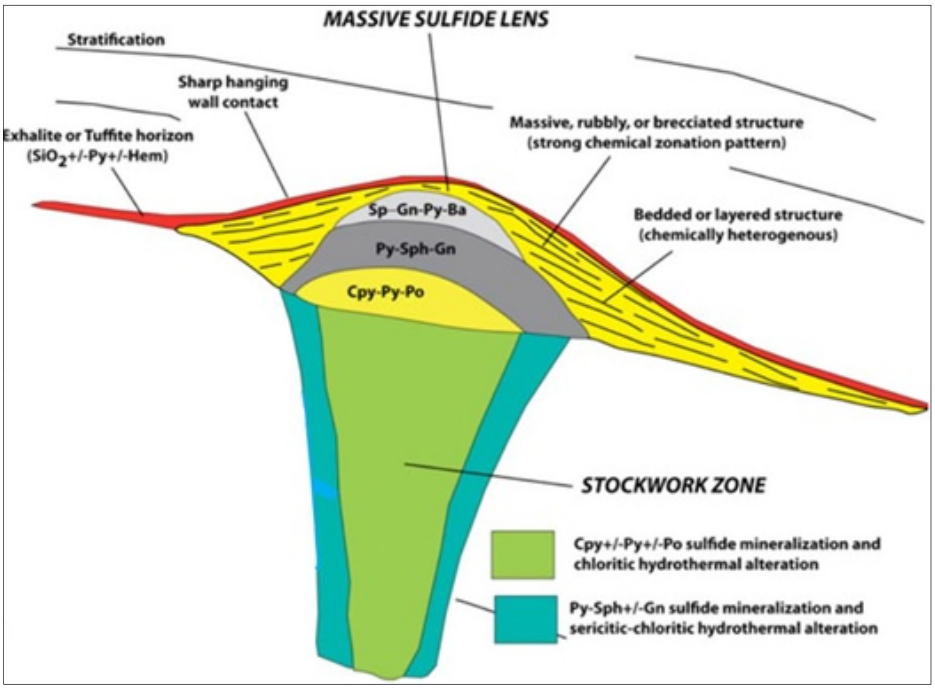


Figure 8-1: Volcanogenic Massive Sulphide Type Deposit Model (from Lydon, 1984)

9. EXPLORATION

The information for this section is taken from the companies' news releases and internal reports concerning these activities. The author did not have the chance to observe and verify the below activities in situ.

9.1. Data Compilation

DMX conducted compilation and 3D modelling of historical drill hole data in the Property. The database compilation works reveal that historic drill from the Gårdsgruvans zone at the Tomtebo Mine shows shallow and high-grade copper mineralization from near surface to a depth of 200 m that remains open along strike and at depth.

After the database compilation work, a Leapfrog 3D geological model was developed by DMX. A total of 33 polymetallic mineralized domains within four zones were modeled based on drill assays and semi-massive to massive sulphides logged from historical drill holes (**Figure 9-7**).

It should be noted that the historical data compilation, digitizing, and interpretation is still in progress while this report is being written.

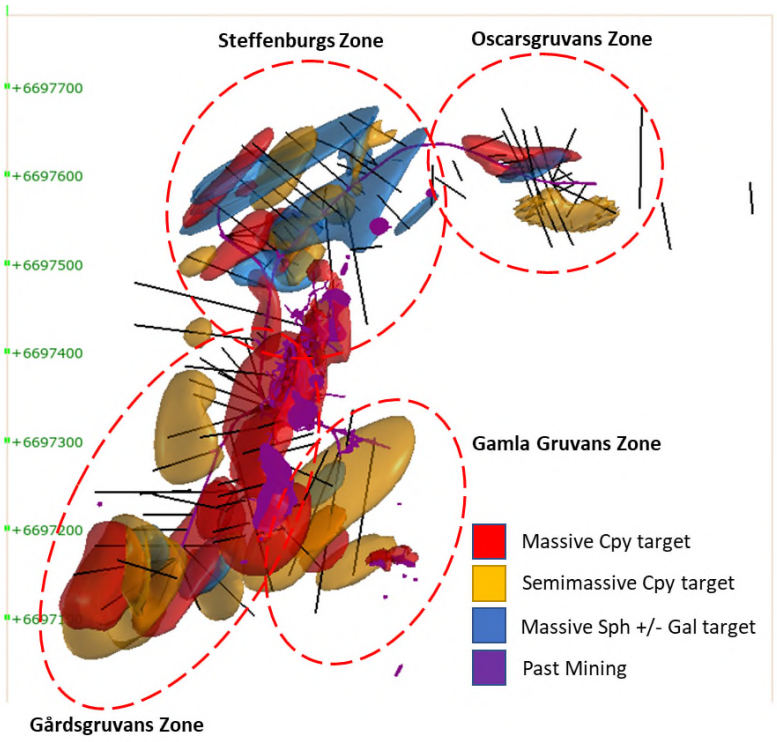


Figure 9-1: Plan view of Mineralized Zones at Tomtebo Mine (District, 2020)

9.2. Geological Mapping

DMX completed initial fieldwork at the Property. This initial work consisted of geological mapping, prospecting and geochemical sampling at the former Tomtebo Mine, and regionally across the 17 km mineralized trend within the 5,144 hectare Property.

The geological works at the Tomtebo Mine were conducted by Dr. Rodney Allen and Hein Raat. The aim of the geological work at the Tomtebo mine is to identify the rock types and the hydrothermal alteration pattern that hosts the Cu-Au and Zn-Pb-Ag mineralization, interpret the structural geometry of the rock units, and to determine relationships between the mineralization and the stratigraphy and structure. In order to reach these goals, the geologists made observations about geology, alteration, and structure in the Gårdsgruvan and Gamla Tomtebogruvan open pits and where outcrop is present (**Figure 9-2**). During these activites, the geologists collected 16 samples from these outcrops for whole rock geochemistry to identify the rock composition and alteration intensity (**Figure 9-3**). Additionally, a total of 33 samples were selected for whole rock lithochemisrty from the historical drill cores. The results were further interpreted using ioGas geochemistry software. The results are given in Appendix C.

These field works identified that the host rocks of the mineralization at the Tomtebo Mine are strongly altered felsic volcanic rocks. Initial work also defined phlogopite/biotite, and anthophyllite alteration minerals, which are all important alteration minerals associated with polymetallic mineralization. A tremolite skarn after former limestone was identified, as well along with disseminated and stockwork vein-style pyrite and chalcopyrite with minor pyrrhotite, arsenopyrite and sphalerite observed at the open pits.

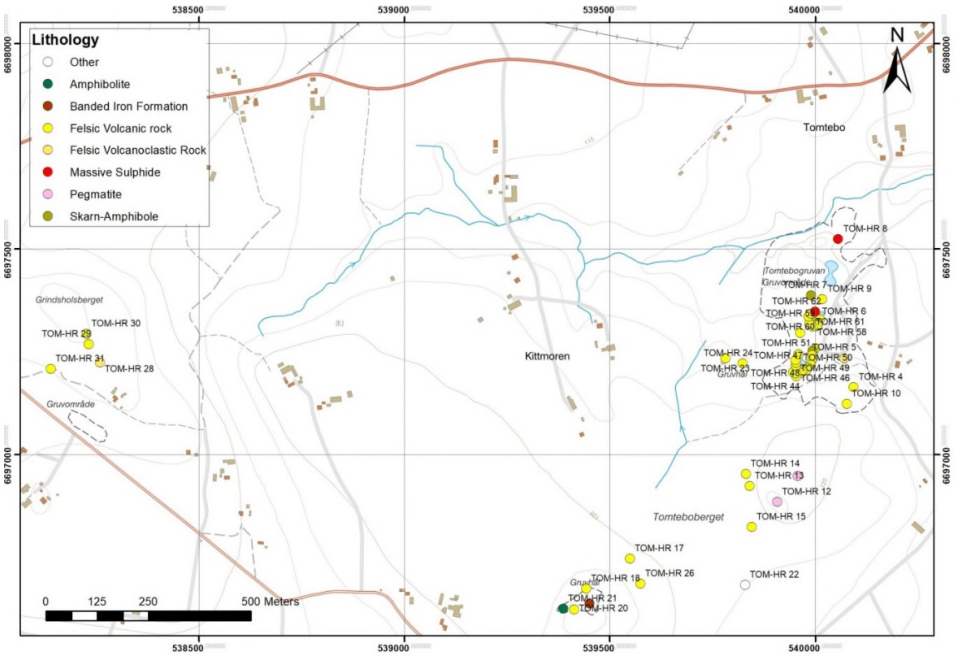


Figure 9-2: Map showing the observations from outcrops and mine workings in the Tomtebo area (Raat, 2020)

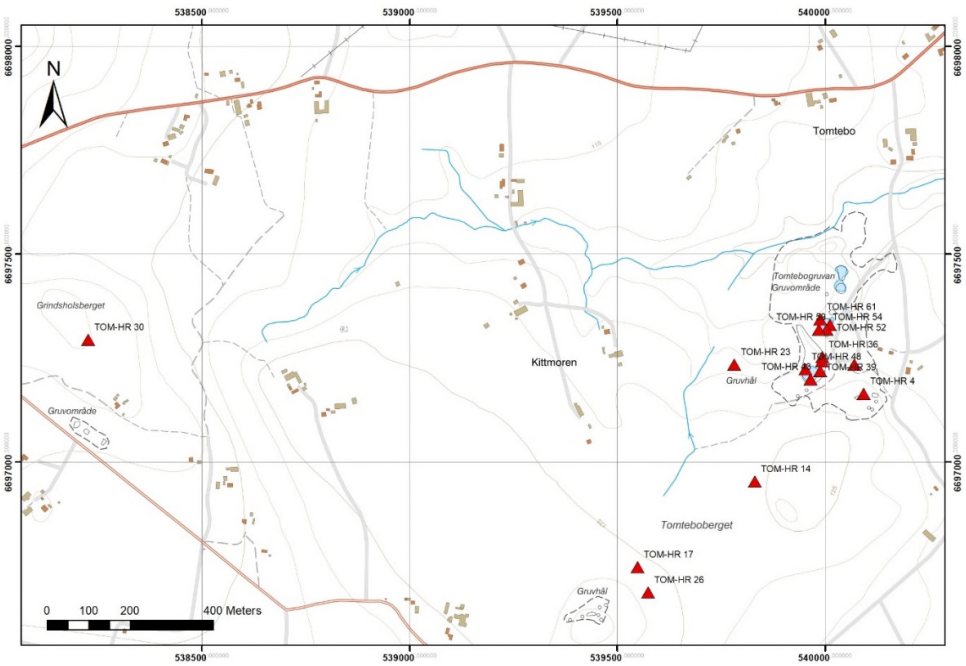


Figure 9-3: Map showing the whole rock lithogeochemical sample locations (Raat, 2020)

Regional fieldwork at Tomtebo will be conducted by Nicolai Metzger. The regional work will focus on known polymetallic mineral occurrences, preliminary SkyTEM conductive and magnetic anomalies, and outcrop exposures. Mineral occurrences at the historic Lövås Mine within the Nyberget area and the Kvistaberget area were the main focal points of the regional fieldwork in the Tomtebo license area. The geologist made observations from 167 points for lithology, alteration and mineralization and collected 17 samples for for multi-element analysis (**Figure 9-4** to **Figure 9-6**). Summary of the rock sample assay results are provided in **Table 9-1.** The samples returned significant copper, lead, and zinc and elevated gold and silver values.

Geological work at the Nyberget area mapped out marble units containing sulphide mineralization in the form of replacement style banded semi-massive to massive sulphides. Additionally, quartz veins with abundant chalcopyrite were also identified around historical mine workings, and the geologists interpreted this as distal to massive sulphide mineralization or epigenetic mineralization during the field works.

Regional geological work at the Kvistaberget area, felsic and mafic volcanic rocks were observed. Quartz-chalcopyrite veins were also identified at Kvistaberget. At the Källberget area, two outcrops were observed with semi-massive to massive pyrrhotite-dominated sulphide mineralization associated with strong alteration. The lithologies mapped at the Uvberget area are dominated by banded, clastic felsic volcanic rocks striking approximately northeast.

Table 9-1: Sample coordinates and assay results collected by DMX

Sample ID	Observation Points	Substrate	Easting SWEREF99 TM	Northing SWEREF99 TM	Au ppm	Ag ppm	Cu (ppm)	Pb (ppm)	Zn (ppm)
B441002	TOM-NM-022	Outcrop	544532	6699522	0.001	0.13	265	58	208
B441003	TOM-NM-027.2	Dump	544357	6699794	0.008	0.68	691	136.5	476
B441005	TOM-NM-028.1	Dump	544245	6699824	0.027	18	12150	19.2	525
B441006	TOM-NM-028.2	Dump	544247	6699826	0.033	27.1	19900	51.1	380
B441007	TOM-NM-029	Dump	544223	6699739	0.005	23.9	1100	14600	86500
B441008	TOM-NM-040	Dump	543838	6699641	0.002	11.25	1330	7630	83300
B441009	TOM-NM-046	Dump	544411	6700094	0.058	0.24	11.1	50.4	223
B441010	TOM-NM-051.1	Outcrop	542929	6701864	0.011	0.75	392	18.3	146
B441011	TOM-NM-051.2	Outcrop	542931	6701866	0.144	1.05	791	12.8	164
B441012	TOM-NM-051.3	Outcrop	542933	6701868	0.011	1.1	744	9	89
B441013	TOM-NM-089	Dump	543288	6702432	0.007	0.64	581	6.9	166
B441014	TOM-NM-091	Dump	543273	6702540	0.005	1.86	2300	26.8	231
B441015	TOM-NM-097.1	Dump	550781	6705207	0.373	16.15	45600	46.6	4580
B441017	TOM-NM-097.2	Dump	550783	6705209	0.195	13	4250	1410	5440
B441018	TOM-NM-099	Dump	550660	6705251	0.103	3.66	8140	148.5	185
B441019	TOM-NM-101	Dump	549714	6704707	0.082	176	16550	63400	214000
B441020	TOM-NM-107	Dump	549612	6704049	0.007	37.8	171.5	49400	1710
B441021	TOM-NM-109	Dump	549714	6704912	0.069	47.5	6930	15450	1800

B441022	TOM-NM-027.2	Dump	544359	6699796	0.302	3.88	5160	41	303

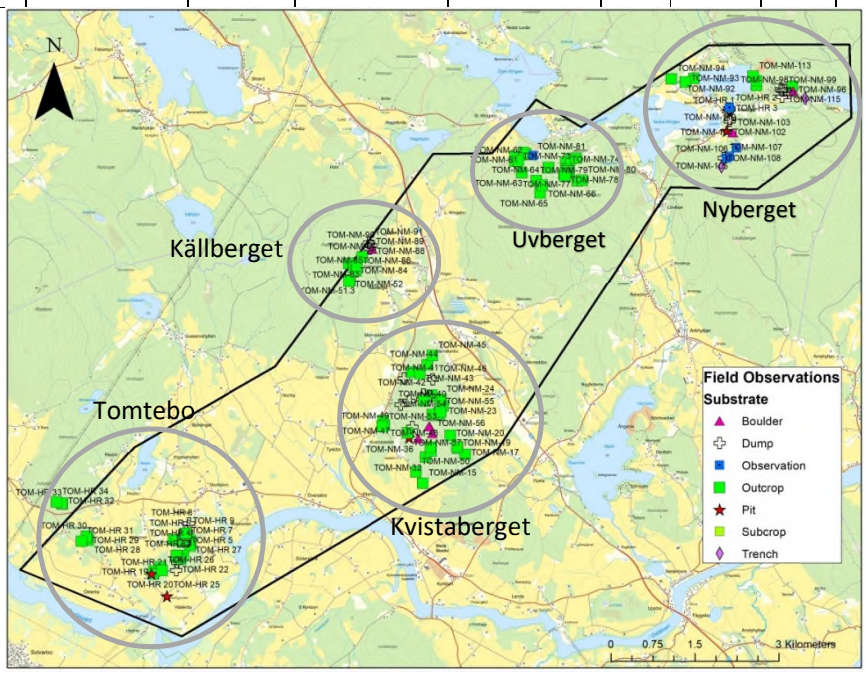


Figure 9-4: Map showing the field observation points in the license area (Raat, 2020).

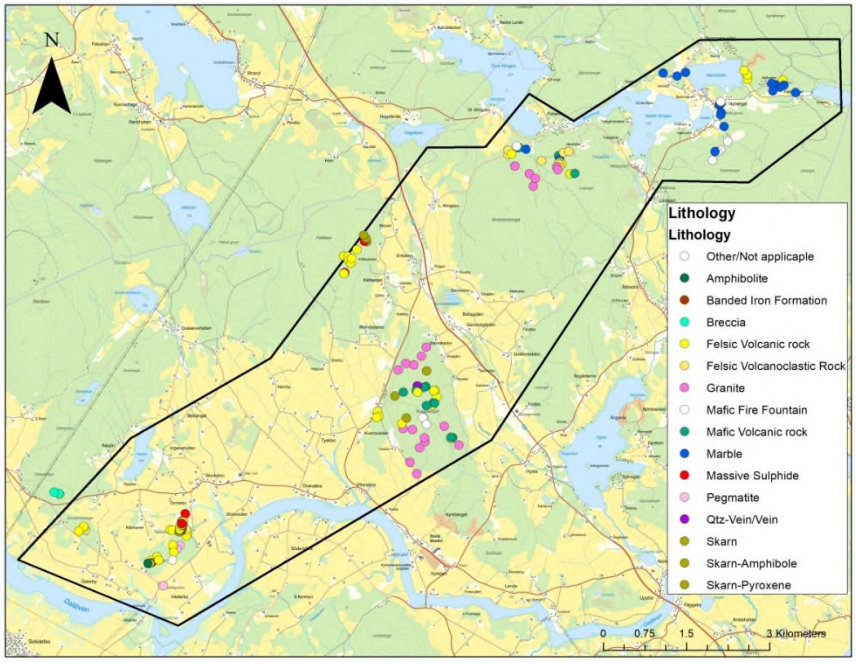


Figure 9-5: Map showing lithology definitions determined during the field observation (Raat, 2020).

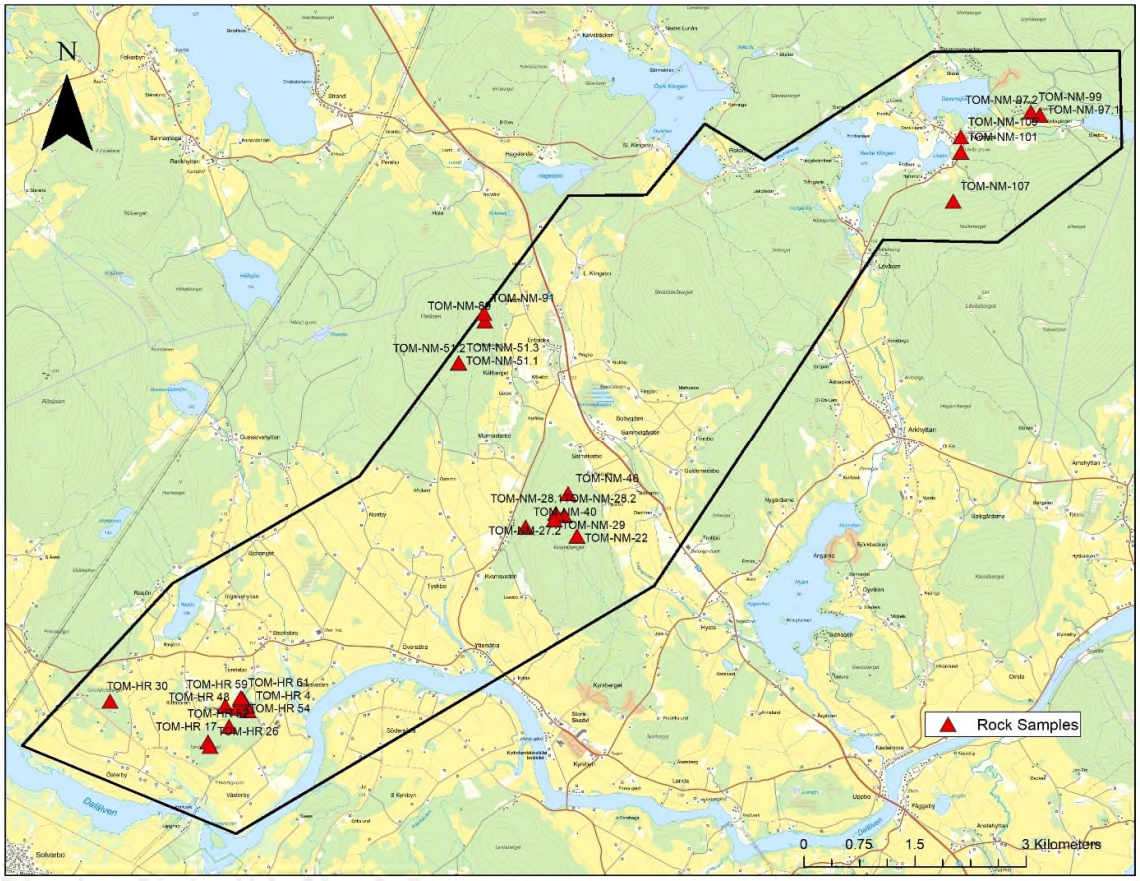


Figure 9-6**: **Map showing rock sample locations (Raat, 2020)

Additionally, the geologist re-logged the eight historical drill holes (TOM62003, TOM65001, TOM66002, TOM71003, TOM70022, TOM70023, TOM71010, TOM57002).

9.3. Geophysical Surveys

Information for this subsection is taken from the company news releases and SkyTEM (2020) report.

The Company retained SkyTEM Surveys ApS based out of Denmark to conduct a detailed heliborne SkyTEM312 HP (transient electromagnetic – high power) and magnetic survey over the Tomtebo Property in July 2020. The survey covered the entire 5,144 hectare Property with approximately 565.6 line-kilometers at a line spacing of 100 m (Figure 9-5). The SkyTEM312 HP system is capable of detecting conductive polymetallic sulphide mineralization at depths of 500 m or more. The goal of the survey was to identify moderately to strongly conductive zones that represent targets for copper-gold dominant sulphide mineralization, and non-conductive to weakly conductive zones that represent

targets for silver-zinc-lead dominant sulphide mineralization. The survey also aims to pinpoint moderate to strong magnetic highs representing targets for both types of sulphide mineralization.

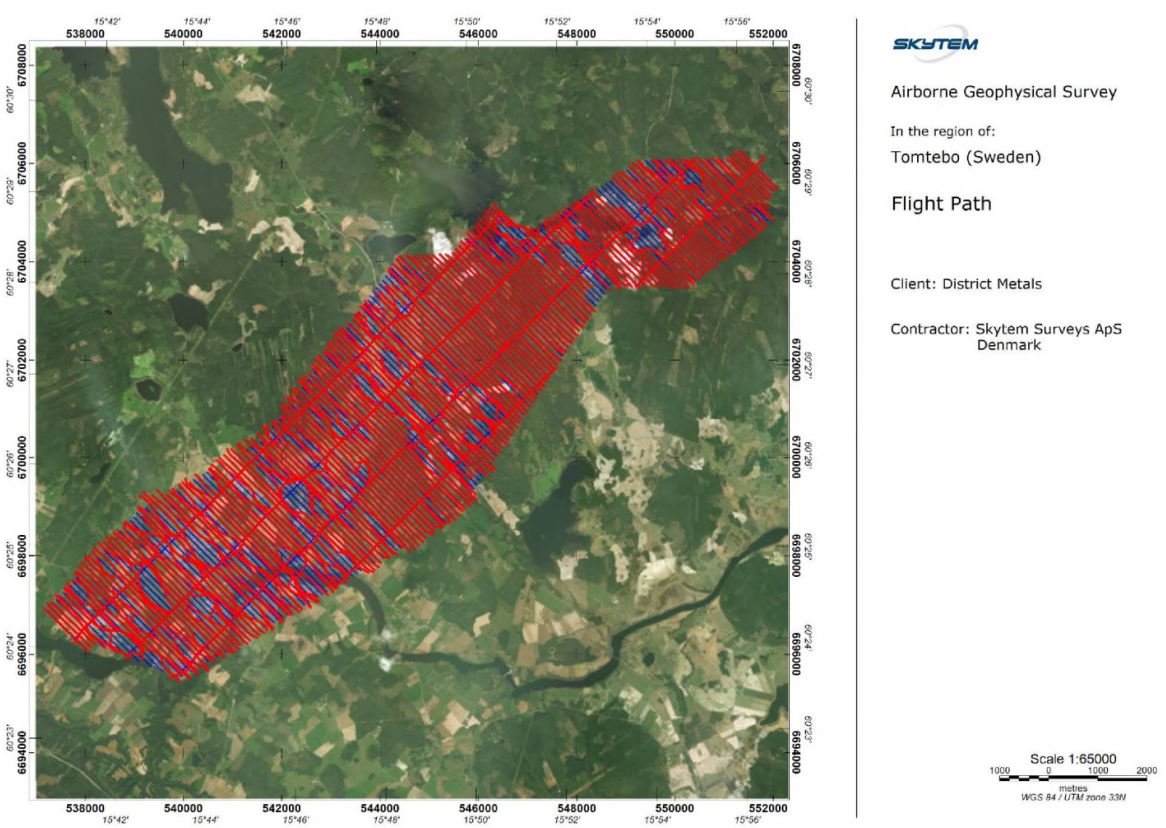


Figure 9-7:Planned survey lines in blue superimposed by actual flown lines in red (Skytem, 2020)

The conductive and magnetic data acquired from the SkyTEM312 HP survey is interpreted by Condor Consulting and Geovista AB.

Geophysical interpretation of the SkyTEM survey identified 4.7 km long trend which comprise numerous magnetic high anomalies (A to C) and conductive anomalies (3 to 7, 11) that strike northeast and southwest from the historic Tomtebo Mine (**Figure 9-8**). Additonal numerous target zones have been identified based on conductive anomalies (1 to 26) where 11 target zones are medium priority and three are high priority and magnetic high anomalies where seven target zones are medium priority and four are high priority. These anomalies are shown at **Figure 9-8** and listed in **Table 9-1** and **Table 9-2**.

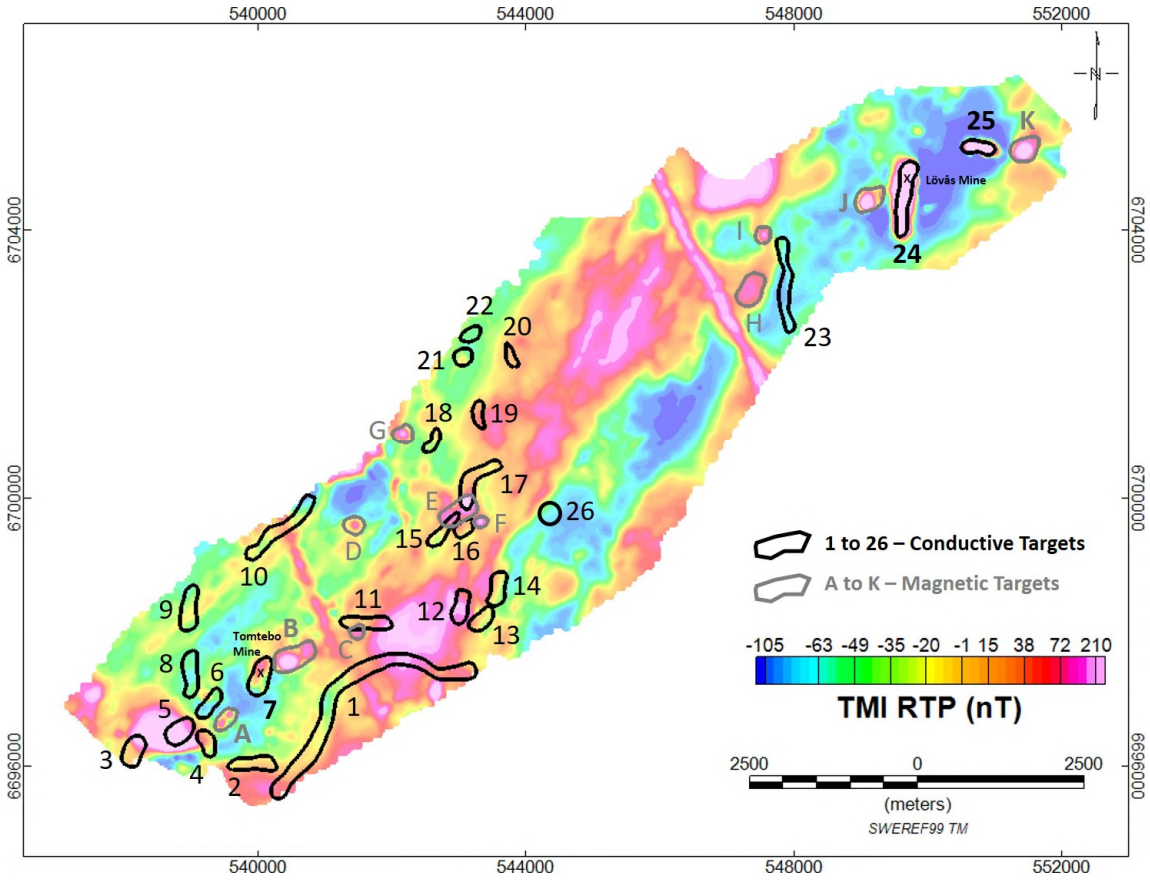


***Figure 9-8**: SkyTEM Conductive and Magnetic Targets on the Tomtebo Property (The Projection is" SWEREF99 TM") (District, 2020).*

Table 9-2: Identified Target Zones Based on EM Anomalies (District, 2020).

Target Number	Ranking	Geology	EM response	Magnetic response
1	Very low	Metavolcanics	Low-high	Low-high
2	**Medium**	**Metavolcanics**	**Low**	**None**
3	Low	Metavolcanics	High	None
4	Low	Metavolcanics	High	On flank of mag high
5	Low	Metavolcanics	Medium	High-medium
6	Low	Metavolcanics	High	Low
7	**High**	**Metavolcanics**	**High**	**High**
8	Low	Metavolcanics	Low-high	Low
9	**Medium**	**Metavolcanics**	**Low-medium**	**On flank of mag high**

10	Very low	Metavolcanics	High	Low
11	Very low	Metavolcanics	Medium-high	Low
12	**Medium**	**Metavolcanics**	**Low-Medium**	**High**
13	**Medium**	**Intrusion**	**Low-Medium**	**On flank of mag high**
14	**Medium**	**Intrusion**	**Low**	**On flank of mag high**
15	Low	Metavolcanics	Low	Low-high
16	**Medium**	**Metavolcanics**	**Low**	**On flank of mag high**
17	Low	Metavolcanics	Low	Low-high
18	**Medium**	**Metavolcanics**	**Low-medium**	**Low-medium**
19	**Medium**	**Metavolcanics**	**Low**	**On flank of mag high**
20	Low	Metavolcanics	Medium-high	Medium
21	**Medium**	**Metavolcanics**	**Low-high**	**Medium**
22	**Medium**	**Metavolcanics**	**Medium-high**	**Low**
23	Low	Metavolcanics	Low-medium	Low
24	**High**	**Metavolcanics**	**Medium**	**High**
25	**High**	**Metavolcanics**	**High**	**High**
26	**Medium**	**Intrusion**	**Medium**	**On flank of mag high**

Table 9-3: Identified Target Zones Based on Magnetic High Anomalies (District, 2020).

Target Number	Ranking	Geology	Magnetic response
A	Medium	Metavolcanics	High
B	**High**	**Metavolcanics**	**High**
C	Medium	Metavolcanics	High
D	Medium	Metavolcanics	High
E	**High**	**Metavolcanics**	**High**
F	Medium	Metavolcanics	High
G	Medium	Metavolcanics	High
H	Medium	Intrusive	High
I	Medium	Basic metavolcanic	High
J	**High**	**Metavolcanics**	**High**
K	**High**	**Metavolcanics**	**High**

Exploration activities by previous owners of the Property is described in Section 6.

10. DRILLING

DMX has not completed any drilling on the property. For a description of drilling by previous owners, please see Section 6.

11. SAMPLE PREPARATION, ANALYSES AND, SECURITY

There is no documented information detailing the sample preparation and analytical methods in respect of the drilling program by Stora. However, during the data verification process, it has been observed that all the samples were taken by breaking the core into two; not by splitting. Besides, there are large intervals among the zones and sampling was not done at some intervals which could include mineralization. Samples were analyzed by Stora's in-house laboratories and written on the geological logs. Nevertheless, there is no information about the method of analysis. Some samples were analyzed for S% and Cu% and others were analyzed for S%, Cu%, Zn%, Pb%. Looking at the results of these, it would appear that the geologist at the time did further analysis by combining some of the samples to determine for Ag g/t and Au g/t values.There is no information regarding the sample preparation, analysis and security methods used by Stora, Tumi or Boliden.

During the Viad exploration program, an Viad geologist collected 11 rock grab samples from the dump material. Grab samples were delivered by the Viad geologist to ALS Geochemistry-Malå for preparation, and subsequently pulps were sent to ALS Global's Laboratory in Ireland, which is an accredited mineral analysis laboratory, for analysis. All samples were prepared using a method whereby the entire sample was crushed to 70% passing -2mm, a split of 250g is taken and pulverized to better than 85% passing 75 microns.

Rock samples were analyzed at ALS Global's Laboratory in Ireland, using the ME-MS41 analytical protocol; this is an ultra-trace aqua regia digestion followed by inductively coupled plasma mass spectrometry (ICP-MS). Over limit grade assays were conducted using the ME-OG46 analytical protocol, which is aqua regia digestion followed by inductively coupled plasma atomic emission spectroscopy (ICP-AES). To determine gold, the samples were assayed using the PGM-ICP23 analytical protocol, which is a 30 g fire assay (FA) and ICP-AES finish. The ALS Global laboratory is independent of EMX and is ISO 17025:2005 accredited under INAB registration no. 173T.

In terms of quality control procedures employed Viad inserted certified reference materials (CRM) and blank insertions into the sample stream and did monitoring. There is no information regarding any other the quality control or quality assurance measures employed by EMX or the laboratory.

During the DMX initial fieldwork, the geologists collected 19 rock grap samples from the outcrops and dump material. These samples were delivered by the geologists to ALS Geochemistry-Malå for preparation. All the samples were prepared using a PREP-31Y method whereby the entire sample was crushed to 70% passing -2mm, a split of 250g was taken and pulverized to better than 85% passing 75 microns. After preparation, pulp samples were sent to ALS Global's Laboratory in Ireland, which is an accredited mineral analysis laboratory, for analysis.

Rock samples were analyzed at ALS Global's Laboratory in Ireland, using the ME-MS61 analytical protocol; this is an ultra-trace aqua regia digestion followed by inductively coupled plasma mass

spectrometry (ICP-MS). Over limit grade assays were conducted using the ME-OG46 analytical protocol, which is aqua regia digestion followed by inductively coupled plasma atomic emission spectroscopy (ICP-AES). To determine gold, the samples were assayed using the PGM-ICP23 analytical protocol, which is a 30 g fire assay (FA) and ICP-AES finish. The ALS Global laboratory is independent of DMX and is ISO 17025:2005 accredited under INAB registration no. 173T.

Besides, the geologists collected a total of 16 samples from outcrops and mine open cuts, and 33 core samples from drill cores all for whole rock lithogeochemistry. DMX geologists delivered the samples to ALS Geochemistry-Malå for preparation and pulps were sent to ALS Global's Laboratory in Ireland. All the samples were prepared using PREP-31Y method as described above.

These samples were analyzed at ALS Global's Laboratory in Ireland, using the CCP-PKG01 analytical protocol; this is a complete characterization package that consists of several methods for analysis of 62 oxides and elements. Individual methods consist of ALS Methods ME-ICP06, ME-MS81, ME-4ACD81, ME-MS42, S-IR08, C-IR07. ME-ICP06 method is a 13- element oxide package where the sample is prepared utilizing lithium borate fusion and acid digestion where it is then analyzed by Inductively-Coupled Plasma-Atomic Emission Spectrometry (ICP-AES). This method yields Al2O3, BaO, CaO, Cr2O3, Fe2O3, K2O, MgO, MnO, Na2O, P2O5, SrO, SiO2, and TiO2.

The ME-MS81 method is a 31-element package that includes Ba, Ce, Cr, Cs, Dy, Er, Eu, Ga, Gd, Hf, Ho, La, Lu, Nb, Nd, Pr, Rb Sm, Sn, Sr, Ta, Tb, Th, Tm, U, V, W, Y, Yb, Zr, and is a lithium borate fusion technique followed by acid dissolution and ICP-MS analysis. Elements As, Bi, Hg, In, Re, Sb, Se, Te and Tl were analyzed using the aqua regia digestion and ICP-MS finish method (ME-MS42) while elements C, and S were analyzed by combustion furnace (ME-IR08). And the base metals (Ag, Cd, Co, Cu, Li, Mo, Ni, Pb, Sc, Zn) were analyzed by ME-4ACD81 method, which is four acid digestion and ICP-AES finish. Over limit grade assays were conducted using the ME-OG46 analytical protocol, which is aqua regia digestion followed by inductively coupled plasma atomic emission spectroscopy (ICP-AES). To determine gold, the samples were assayed using the PGM-ICP23 analytical protocol, which is a 30 g fire assay (FA) and ICP-AES finish.

DMX geologists inserted certified reference material (CRM) and blank material into the sample sets and did monitoring. However, they inserted only CRM into the sample set for whole rock lithogeochemistry analysis; they did not use any dublicate or blank material.

In the opinion of the author, the sample preparation, security, and analytical procedures meet the standards required to provide adequate confidence in the data collection and processing.

12. DATA VERIFICATION

12.1. Verification of Historical Core

Between February 18 and 20, 2020, the author visited SGU's core storage facility at Malå, where the cores from historical drills are stored. The core storage facility was found in a good state and the wooden core boxes were in good condition (**Photo 12-1**). Cores have been stacked in pallets by drill hole; constructed logging tables were set up to display/log individual holes. Full access was granted to inspect any of the core boxes. However, pulp and reject samples were not available. The author's only verified historical drill cores.

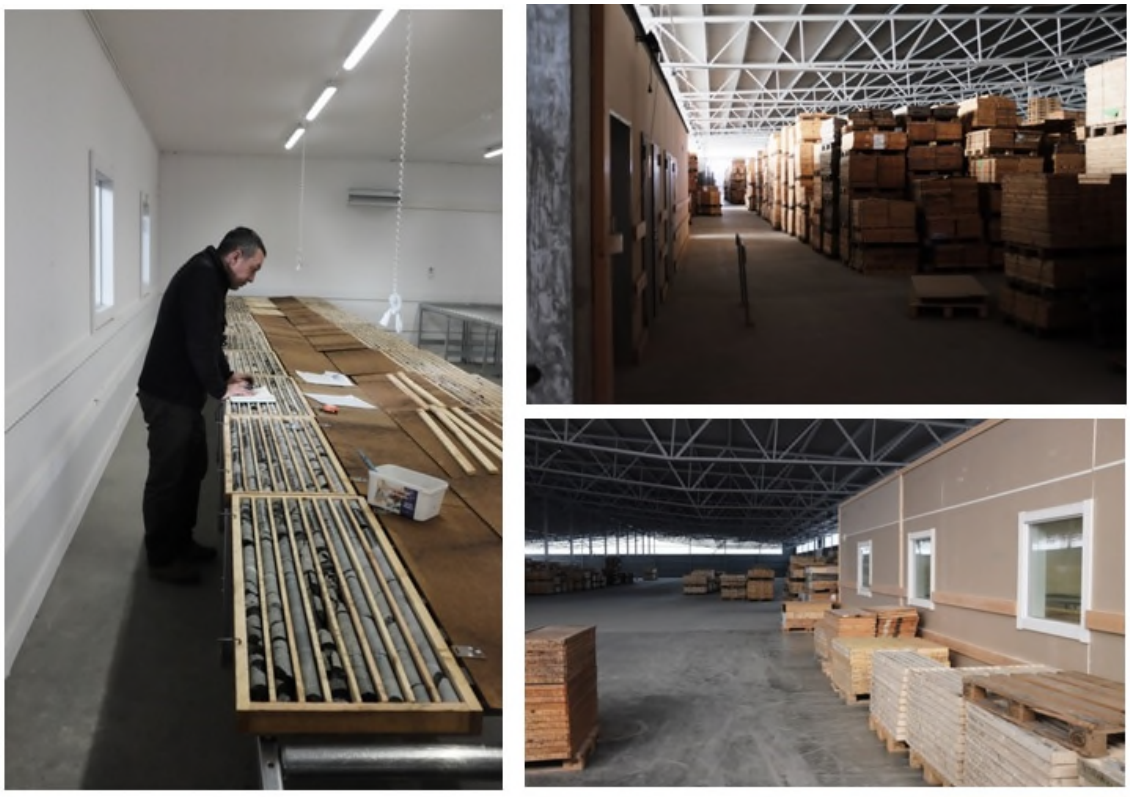


Photo 12-1: SGU core storage facility at Mala (small photo) and QP's inspection of the historical drill cores

14.2 Verification of Drill Hole Collars

The author also inspected historical pit locations of the Tomtebo and Lövås Mines. During the site visit, the author found only two drill hole collars (**Table 12-4**), the drill hole numbers of which are unknown.

It was mentioned that most of the historical drill hole collars had been lost. Consequently, the author could not verify the drill hole collars.

14.3 Rock Samples

During the site visit, the author also collected seven rock grab samples from the dump material from Tomtebo and Lövås mines. Rock sample results are provided in **Table 12-2**. The samples returned significant lead, zinc and gold and elevated silver values.

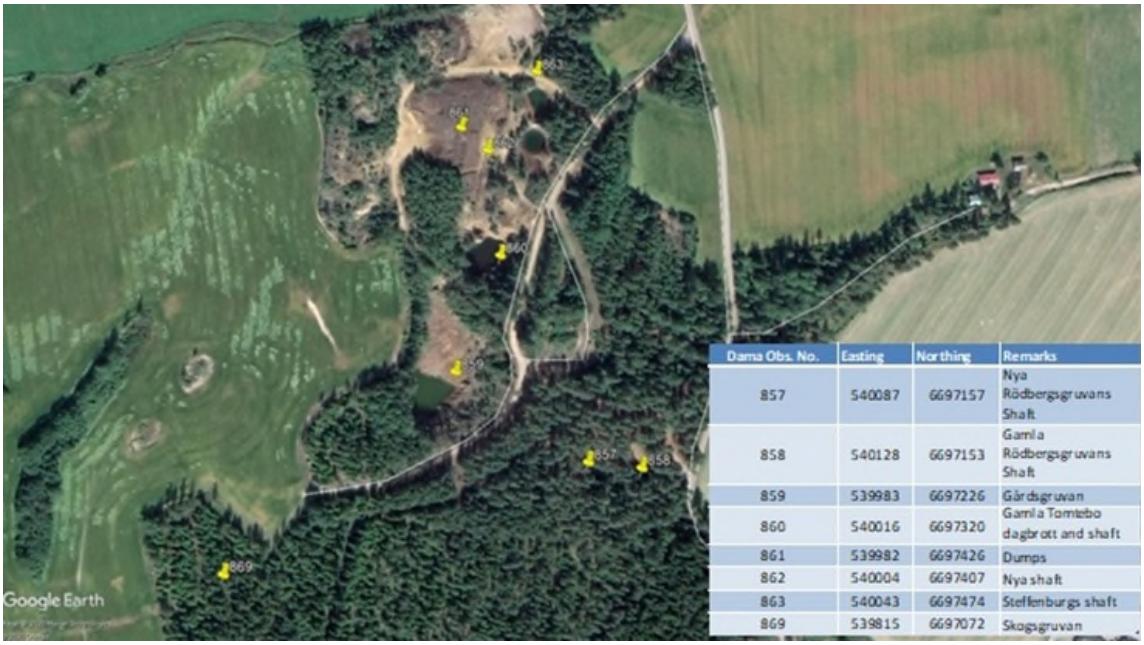
Table 12-1: Drill Collars Measured by DAMA using a Hand GPS

Drill Hole ID	Easting WGS84/UTM	Northing WGS84/UTM	Bearing /Dip
?	540054	6697520	Vertical
?	539952	6697152	338/45

Table 12-2: Sample coordinates and assay results collected by DAMA

Sample ID	Easting WGS84/UTM	Northing WGS84/UTM	Au ppm	Ag ppm	Cu (ppm)	Pb (%)	Zn (%)	Mine
DMS-01	539983	6697226	0.436	10.75	4770	0.0494	0.0796	Tomtebo
DMS-02	540068	6697541	0.347	88	1445	8.34	17.7	Tomtebo
DMS-03	539815	6697072	0.021	0.37	396	0.00346	3.01	Tomtebo
DMS-04	540005	6697323	0.855	62.3	5990	1.065	0.0998	Tomtebo
DMS-05	549728	6704737	0.064	82.9	2360	5.64	21.1	Lövås
DMS-06	549703	6704748	0.011	23.7	369	1.755	4.85	Lövås
DMS-07	549714	6704925	0.442	92.2	1655	5.73	0.801	Lövås

Photo 12-2: Drill collar locations marked by an iron pipe



Dama Obs. No.	Easting	Northing	Remarks
857	540087	6697157	Nya Rödbergsgruvans Shaft
858	540128	6697153	Gamla Rödbergsgruvans Shaft
859	539983	6697226	Gårdsgruvan
860	540016	6697320	Gamla Tomtebo dagbrott and shaft
861	539982	6697426	Dumps
862	540004	6697407	Nya shaft
863	540043	6697474	Steffenburgs shaft
869	539815	6697072	Skogsgruvan

Figure 12-1: Map showing DAMA Checks on the Tomtebo Mine

Dama Obs. No.	Easting	Northing	Remarks
879	549703	6704748	Prestgruvan shaft
880	549690	6704713	Augustaschaktet shaft
881	549668	6704868	Gårdsgruvan
882	549681	6704904	Riddarstolpes shaft
883	549714	6704925	Göran Erssons shaft
884	549703	6704967	Adolf Fredriks Shaft
886	549837	6704977	Dumps

Figure 12-2: Map showing DAMA Checks on the Lövås Mine

12.2. Verification of Historical Drill Hole Data

SGU Archive

EMX provided the list of historical drill holes stored in the SGU archive. 34 drill holes are listed in SGU archive but most of the drill holes have got one or two core boxes. A detailed list of all the drill holes drilled by Stora (as derived from the Swedish Geological Survey (SGU) archive) is given below. No drill core or data is available from Boliden or Tumi.

Table 12-3: Tomtebo drill holes available in SGU archive (provided by EMX)

IDCODE	NAME	DRILLHOLE	DRILLYEAR	CORE_METER	TOTAL_METER	BOXES_NO	STORAGE_LO	ARCHIVE	PRE_OWNER
TOMT16003	Tomtebo	003	1916			?	C 33:02	1	Stora
TOMT16004	Tomtebo	004	1916			1-2	C 33:02	1	Stora
TOMT16005	Tomtebo	005	1916			1-2	C 33:02	1	Stora
TOMT16006	Tomtebo	006	1916			1-3	C 33:02	1	Stora
TOMT16008A	Tomtebo	008 A	1916			? (1 låda)	C 33:02	1	Stora
TOMT16008B	Tomtebo	008 B	1916			1-3	C 33:02	1	Stora
TOMT16009	Tomtebo	009	1916			(1 låda)	C 33:02	1	Stora

IDCODE	NAME	DRILLHOLE	DRILLYEAR	CORE_METER	TOTAL_METER	BOXES_NO	STORAGE_LO	ARCHIVE	PRE_OWNER
TOMT16010	Tomtebo	010	1916			1-2	C 33:02	1	Stora
TOMT43002	Tomtebo	002	1943			1-2	C 33:02	1	Stora
TOMT43004	Tomtebo	004	1943			?	C 33:02	1	Stora
TOMT44003A	Tomtebo	003 A	1944			1-3	C 33:02	1	Stora
TOMT44005	Tomtebo	005	1944			1-3	C 33:02	1	Stora
TOMT57002	Tomtebo	002	1957				H 29:08	1	Stora
TOMT57003	Tomtebo	003	1957				H 29:08	1	Stora
TOMT62003	Tomtebo	003	1962			1-5	C 34:08	1	Stora
TOMT62007	Tomtebo	007	1962				H 29:08	1	Stora
TOMT65001	Tomtebo	001	1965				H 29:08	1	Stora
TOMT65002	Tomtebo	002	1966				H 30:08	1	Stora
TOMT66002	Tomtebo	001	1967		181.0500		H 30:08	1	Stora
TOMT67001	Tomtebo	001	1968		179.3500		H 30:09	1	Stora
TOMT68001	Tomtebo	003	1968		165.7000		C 33:01	1	Stora
TOMT68001	Tomtebo	008	1968		36.2000		C 33:01	1	Stora
TOMT68008	Tomtebo	002	1969			1-10	C 33:01	1	Stora
TOMT69002	Tomtebo	002	1969			1-29	C 34:03	1	Stora
TOMT69003	Tomtebo	003	1969	0,00-55,30	55.3000	1-8	C 33:01	1	Stora
TOMT69006	Tomtebo	006	1969		120.0000		C 33:01	1	Stora
TOMT69007	Tomtebo	007	1969		39.4000		C 33:01	1	Stora
TOMT70022	Tomtebo	022	1970	0,00-149,20	149.2000	1-15	C 34:08	1	Stora
TOMT70023	Tomtebo	023	1970		74.5000		H 30:09	1	Stora
TOMT71003	Tomtebo	003	1971		75.2000	1-9	C 34:06	1	Stora
TOMT71005	Tomtebo	005	1971		136.1800	1-17	C 34:08	1	Stora
TOMT71010	Tomtebo	010	1971		168.0400	1-21	C 34:06	1	Stora
TOMT71016	Tomtebo	016	1971		124.3000		H 30:09	1	Stora
TOMT71041	Tomtebo	041	1971		75.1000	1-8	C 34:06	1	Stora

Some errors such as the end meters in the logs and the amount of core not matching each other were observed in the SGU database

During the visit, seven chosen surface and underground drill holes (TOM57002, TOM65001, TOM66002, TOM67001, TOM71003, TOM71016, TOM71041) were checked for marking, sampling and splitting works. Also, the geological characteristic (lithology, alteration, structure) and the significant intersections were visually field verified. The author did not collect any drill core or check samples.

Swedish language original geological logs including assay data regarding 26 of 34 holes are available. These geological logs and assay data have been digitized by EMX's geologists. Most of the drill logs

contain specific information pertaining to; hole no, local x, y coordinates, elevation, orientation, date started, date completed, total depth, core diameter, machine name, lithological description, from-to meters, loss of core and sections of the drill.

EMX Database

In addition to these holes which are listed in SGU archive, EMX holds digitized data regarding Stora's 107 drill holes by using the old mining plans and original assay certificates given in **Appendix A and Appendix B**. This data contains lithology, collar coordinates, elevation, orientation and assay results.

As seen in **Photo 12-3**, some handwritten numbers were observed on the wooden core boxes. Some numbers show the sampling interval and the rest of them show the total length. However, some meters written on core boxes do not match the "from-to" meters in the core sheet.

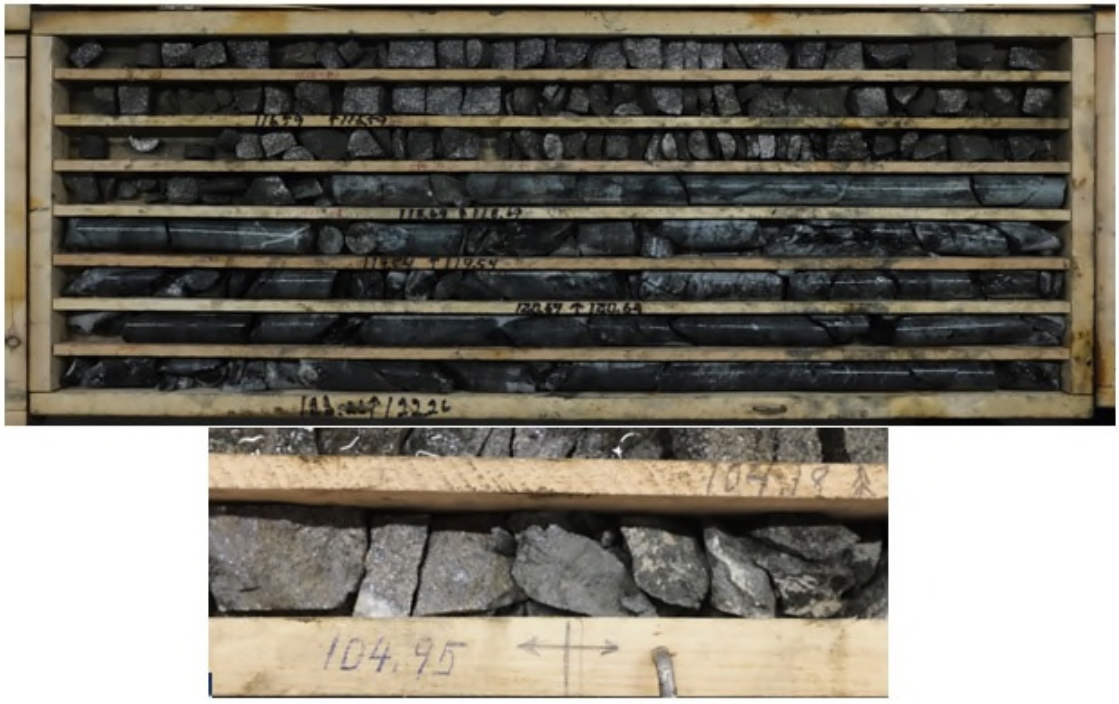


Photo 12-3: Typical core box from Tomtebo Project at the SGU core storage facility

The lithology, alteration, sulphide content, sampling information, core recovery, and total depth of the holes in the database were also verified, and the records were confirmed to correspond with the numbers in the core boxes with exceptions and irregularities given in **Table 12-4**. In addition, the drill cores diameter varies between from 22mm to 32mm.

Table 12-4: Irregularities in the Core Boxes from the Tomtebo Project

Drill Hole ID	Irregularities
TOM65001	Box-1 and Box-2 is missing
TOM71016	11,20-16,83 was sampled in the core but in original log it is not sampled
TOM71016	Sample start from 6,80 in the original log, but in core it is written 6,7
TOM67001	The end meter of the hole is noted as181.05, but 181.30 in the core box.
TOM57002	The end of the hole is 95.20 but there are only 9 boxes. The core recovery must be low but it is not noted in the original log. Also, in core box 6, the meter of the core changes 1.5 meter in 20 cm (**Photo 12-4**).

Photo 12-4: TOM57002 box 6

12.2.1. Quality Assurance / Quality Control Review

The existing historical assay certificates do not contain any data for internal duplicates or standards.

12.2.2. Verification Sampling

Due to the lack of pulp and reject samples, the author couldn't collect verification samples from the historical drill holes.

12.3. Database Audit

As part of the author's data verification protocol the author made a full audit of the assay databases provided by EMX with the historical original assay certificates. The assays in the database were compared with the historical original assay certificates. No errors were located with the assay information reviewed.

Since drilling programs were run in the 1970s, the standards used in those times do not match today's international standards. Furthermore, the author observed certain inadequacies such as large sample intervals (up to 9 m), marking errors, core splitting errors and some inconsistencies amongst core

boxes. Therefore, it is quite possible that historical drilling completed at the Property was not performed in accordance with industry best practice although mineralization has been clearly observed. Consequently, a twin drilling program is highly recommended in order to verify the historical drill data.

13. MINERAL PROCESSING AND METALLURGICAL TESTING

No mineral processing or metallurgical testing analyses have been carried out by DMX and there are no records available in respect of any prior testing.

14. MINERAL RESOURCE ESTIMATE

The Property is an early exploration stage project with historical drilling results only and does not have a current mineral resource estimate.

15. MINERAL RESERVE ESTIMATES

The Property is not an “advanced property” as that term is defined under section 1.1 of NI 43-101 and does not have a current mineral reserve estimate.

16. MINING METHODS

The Property is not an “advanced property” as that term is defined under section 1.1 of NI 43-101 and there are no current or proposed mining methods on the Property.

17. RECOVERY METHODS

The Property is not an “advanced property” as that term is defined under section 1.1 of NI 43-101 and there are no current test or operating results relating to recoverablility on the Property.

18. PROJECT INFRASTRUCTURE

The Property is not an “advanced property” as that term is defined under section 1.1 of NI 43-101 and analysis of infrastructure and logistic requirements for the Property has not been done.

19. MARKET STUDIES AND CONTRACTS

The Property is not an "advanced property" as that term is defined under section 1.1 of NI 43-101 and analysis of markets for production and contracts for property development has not been done.

20. ENVIRONMENTAL STUDIES, PERMITTING AND SOCIAL OR COMMUNITY IMPACT

The Property is not an "advanced property" as that term is defined under section 1.1 of NI 43-101 and analysis of environmental, permitting and social or community factors for the Property has not been done.

21. CAPITAL AND OPERATING COSTS

The Property is not an "advanced property" as that term is defined under section 1.1 of NI 43-101 and analysis of capital and operating cost estimates for the Property has not been done.

22. ECONOMIC ANALYSIS

The Property is not an “advanced property” as that term is defined under section 1.1 of NI 43-101 and an economic analysis on the Property has not been done.

23. ADJACENT PROPERTIES

Tancred Resources Ltd. holds a concession block immediately adjacent to the Tomtebo Property as seen in SGU website. No public records are available on exploration results and resources.

Gumsberg Project, held by Norden Crown Metals Corp. through Lekelvare Minerals AB. (https://www.nordencrownmetals.com/projects/gumsberg-vms/), is located about 6 km southwest of the Property. The Gumsberg property has VMS style mineralization with a historical mineralization. September 2016 news release of EMX reported that diamond drilling results intersected significant intervals of mineralization. Results include 2.8 meters of 17.9% Zn, 6.9% Pb, 0.5% Cu, and 68.9 g/t Ag in drill hole GB16-2 at a depth of 32 meters below surface, and 3.0 meters of 9.2% Zn, 3.0% Pb, and 12.8 g/t Ag in drill hole GB16-5 at a depth of 22 meters below surface. Both intercepts are developed in exhalative style VMS mineralization, with true widths estimated to be 80-90% of the reported intervals. Replacement style mineralization was intersected by drill hole GB16-1 with an interval of 5.7 meters of 6.5% Zn (true width unknown).

Also, the Property is located in the the Bergslagen Mining District, where multiple zones of Volcanogenic Massive Sulfide (VMS) style mineralization occur. The Bergslagen Mining District hosts Boliden's Garpenberg Mine (Zn-Pb-Cu-Au-Ag) (https://www.boliden.com/operations/mines/boliden-garpenberg) located 25 km to the southeast, the historic Falun Mine (Zn-Pb-Cu-(Au-Ag)) (Tobias et al., 2017) located 25 km to the northwest, and Lundin's Zinkgruvan Mine (Zn-Pb-Cu-Ag) (http://www.zinkgruvanmining.com/index.php/om-oss/) located 175 km to the southwest of the Property (**Figure 23-1**).

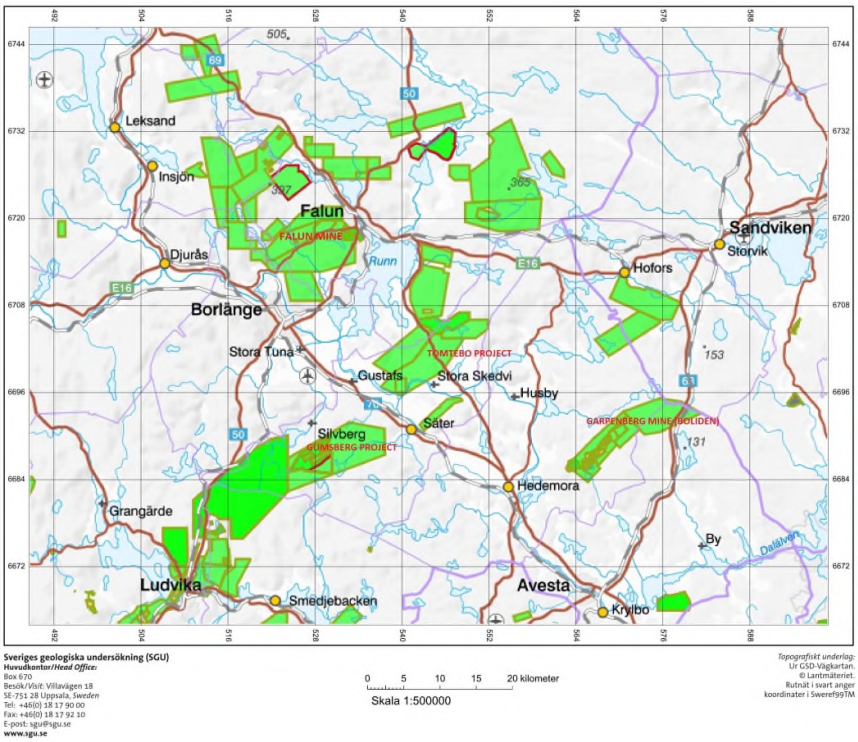


Figure 23-1: Map showing the adjacent properties around Tomtebo Project

The author has been unable to verify the information provided about the adjacent properties in this section 23 and such information is not necessarily indicative of the mineralization on the Property.

24. OTHER RELEVANT DATA AND INFORMATION

No additional information or explanation is necessary to make this Technical Report understandable and not misleading.

25. INTERPRETATION AND CONCLUSIONS

The Property consists of a number of historical polymetallic mines, and it is situated near polymetallic producing VMS deposits. A significant amount of data from various archives in Sweden has been assembled and favorable horizons that have potential for hosting VMS and CRD occurrences: the Tomtebo and Lövås Mines have been identified.

The author completed historical data verification and validation work during the site visit, and concludes that historical drill hole and un-mined resources of the Tomtebo mine do not conform to the presently accepted industry standards. However, past work done to present and facilities on the property give the impression that there is small to modest sized (200 to 300 m in length, 5 to 20 m in thickness) mineralization in this area. Based on the observations of the waste dumps and examination of the underground mine maps, it is considered that the past exploration and mining has been confined to high grade mineralization, and lower grade mineralization seems to be left out in the area. It is for this reason that historical data should be utilized in order to shed light on prospective exploration studies although this data does not correspond with the industry best practice confirmation/validation.

However, the author believes that improving geological understanding of the favorable zones to define drill targets better is a requisite so that exploration will be successful. This improved understanding would enable better identification of geological structures that display mineralization.

There are no significant risks and uncertainties that could reasonably be expected to affect the reliability or confidence in the exploration information in this report other than those described earlier.

26. RECOMMENDATIONS

Based on the encouraging historical mining and exploration results, the author recommends additional exploration program to confirm, expand and better define the mineralized zone and to explore for extension of the mineralization.

26.1. Phase 1

Twin Drilling

In the first phase, twin drill holes will be needed for confirmation of the mineralization encountered in the Stora drill holes over the Tomtebo and Lövås Mines. In the case of Tomtebo mine, the author considers that twinning of the Stora's drill holes may be the best way to identify the Tomtebo targets. Because much of the Tomtebo Mine is covered by mining dumps a good geology and alteration maps of the prospect cannot be produced. The author thinks it would be good to plan at least 2,000 m drilling as a twin drilling campaign.

26.2. Phase 2

Drilling

If phase one reveals positive results and mineralization is confirmed, the company may continue to test the target zone by focusing on outlining and expanding the limits (along strike to the both directions and down dip) of the historical mines. Once the reports concerning the works done in 2020 are completed, this data can be used to identify drill targets.

At present there is no drill target defined at the other prospects within the Property. A drilling program may be needed to test if new targets are to be identified by looking at the completed reports. After completion of the reports that are in progress, re-interpretation of all the available data will be needed to identify drill targets. Drill testing of these targets will be the subsequent stage of the program. Depending on size of the target(s) to be identified by geological mapping and geophysical surveys, the number and total length of the subsequent test drilling may vary significantly. However, the author is of the opion that planning at least 2,000m drilling as an initial test drilling campaign is a good idea.

26.3. Estimated Cost of the Proposed Works

The total estimated cost for Phase 1 of the recommended exploration program is approximately CDN$ 600,000 for drilling (**Table 26-1**) as detailed in **Table 26-2** below.
If warrented by encouraging results from Phase 1, the Phase 2 program is expected to cost approximately CDN$ 3,000,000 to carry out.

Table 26-1: Estimated Costs for the Recommended Exploration Works

Activity		Unit Cost (CDN$/unit)	Units	Total Cost (CDN$)
Phase 1	Twinning Stora's drill holes[1](5 holes 400 m each)	CDN$300/m	2,000m	600,000
Sub-total for Phase 1				**600,000**
Phase 2	Drilling[1]	CDN$300/m	8,000m	2,400,000
	New Diamond Drilling for testing targets to be identified [1,2]	CDN$300/m	2,000m	600,000
Sub-total for Phase 2				**3,000,000**
Total				**3,600,000**

Notes: [1]Drilling cost includes all related works the details of which are given in Table 26-2 . It is anticipated that such permits would be readily obtainable as described in Section 4.5.

[2] Depending on size of the target(s) to be identified by geological mapping and geophysical surveys, the number and total length of the subsequent test drilling may vary significantly.

Table 26-2: Detailed Costs for the Phase 1

Activity	Unit Cost (CDN$/unit)	Units	Total Cost (CDN$)
Staffing			
Project Manager	$1,000	20	$20,000
Geologist	$600	30	$18,000
Technician	$300	30	$9,000
GIS Support	$400	10	$4,000
Sub-total for Staffing			**$51,000**
Assays for Drill Core	$70	500	$35,000
Sub-total for Assay			**$35,000**
Travel & Accomodations			
Flights			$21,500
Field Staff Hotel	$75	60	$4,500
Field Staff Food	$100	60	$6,000
Field Staff Car Rentals	$200	30	$6,000
Field Staff Car Rental Fuel	$100	30	$3,000

Sub-total for Travel & Accomodations			**$41,000**
Equipment			
Generator Rental	$35	30	$1,050
Geology Field Supplies			$3,000
Shipping			$2,000
Sub-total for Equipment			**$6,050**
Snow Removal			$3,500
Sub-total for Snow Removal			**$3,500**
Drill Contractor Costs[1]			$463,450
Sub-total for Drill Contractor			**$463,450**
Total			**$600,000**

[1] The drill contractor costs are given as a lump sum

[2] It is assumed that the program will be completed in 30 days.

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28. CERTIFICATE OF AUTHOR

28.1. Mustafa Atalay, M.Sc., CPG

I, Mustafa Atalay, Certified Professional Geologist (CPG) from the American Institute of Professional Geologists, as a "qualified person" of this technical report titled "NI 43-101 Update Technical Report on the Tomtebo Project, Bergslagen Region of Sweden" (the "Project") with an effective date of October 15, 2020, an issue date of January 18, 2021 and an amended date of February 26, 2021 (the "Technical Report"), do hereby certify that:

1. I am a Senior Geologist, with DAMA Engineering Co. of Ankaralılar Caddesi, Azat Bey Sitesi, No.17, Cayyolu, Ankara, Turkey.

2. I am a graduate of University of Hacettepe, Ankara, Turkey, in 2003 with a Bachelor of Science (Applied) degree in Geological Engineering and Hacettepe University, Ankara, Turkey in 2006 with a Master of Science degree in Mineral Exploration.

3. I have been a Professional Member of the American Institute of Professional Geologist of United States (Reg.# CPG-11874), since October 2016. I have worked as a professional geologist for over 10 years since my graduation.

4. I have approximately 14 years of geologic experience focused in base and precious metals exploration.

5. I have read the definition of "qualified person" set out in National Instrument 43-101 (NI 43-101) and certify that by reason of my education, affiliation with a professional association (as defined in NI 43-101) and past relevant work experience, I fulfill the requirements to be a 'qualified person' for the purposes of NI 43-101.

6. I visited the Project from February 17 to 21, 2020.

7. I am responsible for all sections of the Technical Report.

8. I am independent of the issuer, the Project and Viad Royalties, AB as vendor of the Project, in each case, applying the test set out in Section 1.5 of NI 43-101.

9. I have had no prior involvement with the Project .

10. I have read NI 43-101 and the Technical Report has been prepared in compliance with NI 43-101 and Form 43-101Fl.

11. At the effective date of the Technical Report, to the best of my knowledge, information, and belief, the Technical Report contains all scientific and technical information that is required to be disclosed to make the Technical Report not misleading.

Dated February 26, 2021.

"Mustafa Atalay"

Mustafa Atalay, M.Sc., CPG

29. SIGNATURE PAGE

The undersigned prepared this Technical Report, titled "NI43-101 Update Technical Report on the Tomtebo Project, Bergslagen Region of Sweden", having an effective date of October 15, 2020, an issue date of January 18, 2021 and an amended date of February 26, 2021.

Dated at Ankara, on February 26, 2021

" Mustafa Atalay"

Mustafa Atalay, M.Sc., CPG

Appendix A Drill Data

Hole_ID	Easting	Northing	Elevation	Depth	Azimuth	Dip	Level	Year
16001	539889	6697414	112.67	149.41	95	-45	0	1916
16002	539876	6697335	114.98	150.4	86	-45	0	1916
16003	539983.4954	6697270.832	111.986	80.3	114	-45	0	1916
16004	539999.2841	6697223.873	114.088	100.2	25	-45	0	1916
16005	539931	6697243	114.52	80.4	76	-45	0	1916
16006	539933.806	6697284.477	116.125	116.9	74	-45	0	1916
16007	539963	6697218	113.55	60.2	76	-45	0	1916
16009	539950	6697194	119.4	47.6	79	-45	0	1916
17010	539818	6697239	117.69	170.5	86	-70	0	1917
17011	539850	6697164	121.53	151.14	105	-60	0	1917
17012	539858	6697095	124.03	150.48	104	-45	0	1917
43001	540478	6697568	103.72	84.32	191	-45	0	1943
43002	540055.3918	6697514.419	107.208	85	83	-66	0	1943
43003	540034	6697488	109.11	69.08	99	-60	0	1943
43004	540506.3719	6697590.421	100.102	50.75	175	-45	0	1943
43005	539970	6697543	106.88	51.16	86	-45	0	1943
43006	539987	6697493	109.93	45.71	74	-45	0	1943
43007	540111	6697465	110.01	47.11	131	-45	0	1943
44004	539903	6697210	120.06	111.9	76	-70	0	1944
44005	539900.4363	6697184.176	121.585	110.79	78	-70	0	1944
56001	539902	6697264	117.63	136.96	77	-70	0	1956
56003	540071	6697105	126.35	103.59	357	-45	0	1956
56004	540068	6697083	125.93	138.22	357	-45	0	1956
56005	539949	6697146	123.15	152.06	338	-45	0	1956
57001	539909	6697142	123.22	209.91	354	-60	0	1957
57002	539903.7464	6697224.191	119.183	95.23	77	-70	0	1957
57003	539905.9524	6697249.538	118.219	78.4	77	-70	0	1957
62001	540315	6697525	109.21	54.63	351	-60	0	1962
62002	540364	6697520	108.19	43.47	351	-50	0	1962
62003	540416.2811	6697515.676	107.444	82.2	350	-50	0	1962
62007	540171.0634	6697615.417	103.289	41.73	157	-55	0	1962
65001	540047.839	6697626.414	102.721	162.97	126	-60	0	1965
65002	540250.0924	6697650.458	102.693	235.32	167	-65	0	1965
65003	540384	6697676	98.68	229.93	181	-60	0	1965
65004	540058	6697334	113.46	58.76	190	-45	0	1965

Hole_ID	Easting	Northing	Elevation	Depth	Azimuth	Dip	Level	Year
66002	539944.8246	6697634.575	107.811	190.65	129	-45	0	1966
67001	540044.398	6697308.822	-75	181.05	289	0	-200	1967
68001	540043.7391	6697280.425	-75	179.35	189	0	-200	1968
68002	539973	6697285	111.89	50.42	76	-10	0	1968
68003	540004.0272	6697394.736	114.809	16.57	102	-55	0	1968
68004	539966	6697299	113.41	65.45	77	-13	0	1968
68005	540027	6697444	111.02	64.88	92	-60	0	1968
68006	540010	6697482	110.38	50.83	99	-45	0	1968
68007	539951	6697313	114.84	51.45	43	-20	0	1968
68008	539951.1022	6697313.204	114.842	36.2	73	-26	0	1968
68009	540147	6697695	103.91	293.84	166	-60	0	1968
68011	539955	6697333	-75	103.9	254	0	-200	1968
68012	539963	6697341	-75	80.21	320	0	-200	1968
68013	539958	6697347	-75	68.58	342	0	-200	1968
69001	540082	6697295	-75	150.59	189	0	-200	1969
69002	539919.6641	6697307.119	-75	115.4	165	0	-200	1969
69003	539876.7098	6697215.202	-75	55.3	270	0	-200	1969
69004	539863	6697180	-75	96.68	270	0	-200	1969
69005	539867	6697180	-75	53.91	89	0	-200	1969
69006	539886.9427	6697241.346	-75	120	270	0	-200	1969
69007	539890.0821	6697241.272	-75	39.4	89	0	-200	1969
69009	539871	6697198	-75	52.8	270	0	-200	1969
70001	540022	6697560	-75	115.99	309	0	-200	1970
70002	540048	6697577	-75	25.8	136	0	-200	1970
70003	540024	6697561	-75	23.77	9	0	-200	1970
70004	540039	6697568	-75	29.58	161	0	-200	1970
70005	540014	6697546	-75	62.32	309	0	-200	1970
70006	540027	6697554	-75	15.05	174	0	-200	1970
70007	540016	6697545	-75	11.01	129	0	-200	1970
70008	540050	6697588	-75	90.92	311	0	-200	1970
70009	540008	6697540	-75	23.3	309	0	-200	1970
70010	539993	6697525	-75	21.27	323	0	-200	1970
70011	540048	6697577	-75	74.62	170	0	-200	1970
70012	539985	6697517	-75	24.52	318	0	-200	1970
70013	540086	6697610	-75	65.09	319	0	-200	1970

Hole_ID	Easting	Northing	Elevation	Depth	Azimuth	Dip	Level	Year
70014	539961	6697429	-75	10.05	133	0	-200	1970
70015	539956	6697415	-75	8.87	316	0	-200	1970
70016	540085	6697610	-75	76.31	293	0	-200	1970
70017	540059	6697586	-75	15.84	123	0	-200	1970
70018	540073	6697600	-75	34.82	289	0	-200	1970
70019	539997	6697536	-75	110.22	311	0	-200	1970
70020	539972	6697513	-75	100.63	307	0	-200	1970
70021	539960	6697473	-75	96.24	291	0	-200	1970
70022	539955.8638	6697441.526	-75	149.2	284	0	-200	1970
70023	539966.892	6697437.957	-75	74.5	105	0	-200	1970
70024	539946	6697413	-75	135.55	277	0	-200	1970
70025	539879	6697213	-75	76.87	82	84	-200	1970
70026	540042	6697286	-75	150.82	202	0	-200	1970
70027	539871	6697191	-75	98.23	83	70	-200	1970
70028	539914	6697530	-75	148.3	111	-82	-200	1970
70029	539914	6697530	-75	146.59	90	-66	-200	1970
70030	539908	6697562	-75	187.6	60	-52	-200	1970
71001	540151	6697596	105.62	58.27	124	-45	0	1971
71002	540148	6697610	103.79	64.26	181	-45	0	1971
71003	540085.3757	6697576.605	105.719	75.2	137	-45	0	1971
71004	539869	6697383	113.62	155.87	96	-48	0	1971
71005	539885.4518	6697302.802	115.997	136.18	81	-60	0	1971
71006	539953	6697350	-75	80.91	302	0	-200	1971
71007	539937	6697331	-75	62.51	289	0	-200	1971
71008	539897	6697286	-75	68.09	252	0	-200	1971
71009	539861	6697165	-75	63.08	157	0	-200	1971
71010	539831.6548	6697238.342	117.649	168.04	102	-60	0	1971
71011	539859	6697164	-75	57.86	202	0	-200	1971
71012	539858	6697166	-75	116.9	261	0	-200	1971
71013	539858	6697165	-75	101.6	236	0	-200	1971
71014	539830	6697183	120.61	156.29	100	-60	0	1971
71015	539867	6697178	-75	112.55	134	0	-200	1971
71016	539900.2676	6697196.089	120.849	124.3	76	-70	0	1971
71017	539793	6697164	121.42	139.66	107	-60	0	1971
71018	539953	6697350	-75	75.49	299	44	-200	1971

Hole_ID	Easting	Northing	Elevation	Depth	Azimuth	Dip	Level	Year
71019	540284	6697592	-75	23.97	67	0	-200	1971
71020	540283	6697589	-75	26.47	144	0	-200	1971
71021	540283	6697589	-75	80.37	115	0	-200	1971
71022	540306	6697592	-75	23.54	311	0	-200	1971
71023	540307	6697588	-75	19.03	245	0	-200	1971
71024	540274	6697593	-75	33.8	334	0	-200	1971
71025	540275	6697590	-75	77.43	156	0	-200	1971
71026	540261	6697597	-75	85.95	336	0	-200	1971
71027	540262	6697593	-75	64.9	156	0	-200	1971
71028	540283	6697592	-75	64.59	343	0	-200	1971
71029	540321	6697588	-75	43.36	211	0	-200	1971
71030	540283	6697592	-75	65.1	24	0	-200	1971
71031	539914	6697530	-75	138.39	110	-63	-200	1971
71032	540251	6697601	-75	54.48	334	0	-200	1971
71033	540226	6697612	-75	31.54	82	0	-200	1971
71034	540242	6697601	-75	23.62	261	0	-200	1971
71035	540252	6697597	-75	86.27	159	0	-200	1971
71036	539914	6697530	-75	141	73	-66	-200	1971
71037	540119	6697631	-75	75.01	299	0	-200	1971
71038	540210	6697620	-75	21.92	85	0	-200	1971
71039	540238	6697607	-75	14.37	86	0	-200	1971
71040	539914	6697530	-75	140.53	126	-63	-200	1971
71041	540000.7579	6697531.091	-75	75.1	32	-70	-200	1971
71042	539957	6697492	-75	125.83	41	-66	-200	1971
72001	540190	6697628	-75	40.62	68	0	-200	1972
72002	539977	6697503	-75	25.39	146	0	-200	1972
72003	539977	6697504	-75	31.22	162	0	-200	1972
72004	539977	6697504	-75	20.45	108	0	-200	1972
72005	540100	6697618	-75	114.77	216	58	-200	1972
72006	540100	6697618	-75	39.63	208	55	-200	1972
72007	540100	6697618	-75	109.61	198	55	-200	1972
16008A	539962.5118	6697217.433	113.887	82.2	136	-67	0	1916
16008B	539932	6697242	114.5	82.2	76	-87	0	1916
44003A	539905.2565	6697236.097	118.729	195.7	76	-70	0	1944
57003A	539906	6697254	118.06	214.08	158	-70	0	1957

Hole_ID	Easting	Northing	Elevation	Depth	Azimuth	Dip	Level	Year
68003B	540004	6697395	114.81	43.71	102	-17	0	1968

Appendix B Assay Results

Hole_ID		SGU-IDCODE	From	To	S	Cu	Pb	Zn	Ag	Au	Mn	Fe
43002	02-1943	TOMT43002	41.7	47.9	24.07	0.19	5.16	11.22				
62003	03-1962	TOMT62003	27.1	28.1	1.2	0.01					0.23	7.7
62003	03-1962	TOMT62003	28.1	29.1	10.7	0.07					0.32	48.3
62003	03-1962	TOMT62003	29.1	30.1	3	0.04					0.35	43.8
62003	03-1962	TOMT62003	30.1	31.6	3.1	0.02					0.26	27.8
62003	03-1962	TOMT62003	31.6	32.71	0.2	0.01					0.26	42.6
62007	07-1962	TOMT62007	14.4	14.9	7.5	0.09	0	0.5				
62007	07-1962	TOMT62007	16.5	17.1	10.2	0.15	0.1	7.9	13	1.1		
62007	07-1962	TOMT62007	17.1	17.3	13.6	0.07	0	0.2				
65001	01-1965	TOMT65001	113.7	113.9	7.9	0.04	0.1	1.4				
65001	01-1965	TOMT65001	113.9	114.65	27.2	0.27	6.1	11.4	334	4		
65001	01-1965	TOMT65001	114.65	115.65	28.2	0.24	9.7	18.1	259	0.4		
65001	01-1965	TOMT65001	115.65	116.65	31.7	0.2	11.1	23.9	260	0.5		
65001	01-1965	TOMT65001	116.65	117.65	31.4	0.25	3.5	9.2	92	0.1		
65001	01-1965	TOMT65001	117.65	118.57	28.4	0.31	3.8	4.3	78	0.1		
65002	02-1965	TOMT65002	116.15	116.35	12	0.03	0.9	1.5				
65002	02-1965	TOMT65002	116.35	117.35	32	0.05	4.4	10.5	280	1.2		
65002	02-1965	TOMT65002	117.35	118.35	28.7	0.05	2.2	7.9	126	0.25		
65002	02-1965	TOMT65002	118.35	119.35	30.3	0.05	2.1	6	165	0.5		
65002	02-1965	TOMT65002	119.35	120.8	27.4	0.04	3.2	7.1	205	0.35		
65002	02-1965	TOMT65002	196.8	197.82	13.2	1.3	0	0.6	35	0.35		
65002	02-1965	TOMT65002	197.82	198.84	27.8	0.31	0	0.4	15	0.2		
65002	02-1965	TOMT65002	198.84	200	6	0.46	0.1	0.2	30	0.25		
65002	02-1965	TOMT65002	200	200.89	16	0.98	0	0.1	32	0.1		
65002	02-1965	TOMT65002	200.89	205.9	7.9	0.47			41	0.4		
65002	02-1965	TOMT65002	205.9	206.86	15.5	0.28	0	0.2	18	0		
65002	02-1965	TOMT65002	206.86	207.86	7.4	0.12						
65002	02-1965	TOMT65002	207.86	208.86	9.2	0.4						
65002	02-1965	TOMT65002	216.9	218.65	9	0.28						
65002	02-1965	TOMT65002	222.05	223.15	9.3	1.15			52	0.4		
66002	02-1966	TOMT66002	103.7	104.95	28.3	0.05	1.3	9.5	38	0		
66002	02-1966	TOMT66002	104.95	106.86	8.7	0.06	0.28	0.8				
66002	02-1966	TOMT66002	106.86	108.6	3	0.04	0.18	0.6				
66002	02-1966	TOMT66002	106.86	109.4	9.3	0.06	1.14	0.45	29	0.2		
66002	02-1966	TOMT66002	114.05	115.88		0.05	0.66	1.7				
66002	02-1966	TOMT66002	163.7	163.92	17.5	0.17	7.2	17.7				
67001	01-1967	TOMT67001	154.5	155.58		0.29						

Hole_ID		SGU-IDCODE	From	To	S	Cu	Pb	Zn	Ag	Au	Mn	Fe
67001	01-1967	TOMT67001	155.58	156.6	7.2	4.68						
67001	01-1967	TOMT67001	156.6	158.75	0.9	0.31						
67001	01-1967	TOMT67001	162.53	163.5	4.5	3.83						
68001	01-1968	TOMT68001	74.48	77.13		0.33						
68001	01-1968	TOMT68001	77.13	78.85		0.91						
68001	01-1968	TOMT68001	78.85	80.4		0.36						
68001	01-1968	TOMT68001	80.4	83.25		0.13						
68001	01-1968	TOMT68001	109.29	110.35	6.1	0.47						
68003	03-1968		7.21	16.57		1.38						
68003	03-1968		7.21	9.7		1.5						
68003	03-1968		9.7	11.85	4.9	1.8						
68003	03-1968		11.85	16.57		1.13						
69002	2-1969	TOMT69002	114.75	115.4	10.4	0.13						
69003	03-1969	TOMT69003	16.78	17.32	8.9	0.56						
69003	03-1969	TOMT69003	17.32	18.74	2.2	0.16						
69003	03-1969	TOMT69003	20.33	20.73	0.9	0.06						
69003	03-1969	TOMT69003	40.93	41.6	5	0.07						
70006	6-1970	TOMT70006	134.1	135.5	2.81	0.03						
70016	16-1970	TOMT70016	47.26	49.08	12.1	0						
70016	16-1970	TOMT70016	49.08	49.8	25	0			28	0.1		
70018	18-1970	TOMT70018	0	1.5	10	0.14						
70018	18-1970	TOMT70018	7.35	8.72	5.2	0.05						
70018	18-1970	TOMT70018	17.3	18.95	27.9	0.03			31	0		
70018	18-1970	TOMT70018	27.45	28.3	11.6	0.07						
70019	19-1970	TOMT70019	68	68.5	21.2	0.13						
70019	19-1970	TOMT70019	101.06	101.56	22	0.11	1.74	2.92	47	0.5		
70019	19-1970	TOMT70019	101.56	103.4	13.1	0.2	0.1	2.67	47	0.5		
70020	20-1970	TOMT70020	40.55	41.55	1.1	0.13						
70020	20-1970	TOMT70020	43.2	44.13	0.4	0.13						
70021	21-1970	TOMT70021	5	6.6		0.11						
70021	21-1970	TOMT70021	8.56	8.9	8.1	0.31	0.05	0.15				
70021	21-1970	TOMT70021	11.68	12.36		1						
70021	21-1970	TOMT70021	12.36	13.39		0.63						
70023	23-1970	TOMT70023	14.65	15.2	4.6	0.15	0.07	0.26				
70024	24-1970	TOMT70024	122.3	122.82		0.19						
70026	26-1970	TOMT70026	58.05	59.05		0.04						
70026	26-1970	TOMT70026	59.05	61.2	6.78	0.83			28	0.1		

Hole_ID		SGU-IDCODE	From	To	S	Cu	Pb	Zn	Ag	Au	Mn	Fe
70026	26-1970	TOMT70026	61.2	62.55	9.6	0.68			28	0.1		
70026	26-1970	TOMT70026	62.55	63.55		0.09						
70026	26-1970	TOMT70026	71.85	73.9	19.39	0.61	0.05	0	15	0.2		
70026	26-1970	TOMT70026	73.9	74.27		0.21						
70026	26-1970	TOMT70026	85.79	86.35		0.18						
70026	26-1970	TOMT70026	86.35	88.09	14.4	1.04			13	0.2		
70026	26-1970	TOMT70026	88.09	89		0.23						
70026	26-1970	TOMT70026	92.53	93.21		0.36						
70029	29-1970	TOMT70029	114.92	121.15					65	0.4		
70029	29-1970	TOMT70029	114.92	115.84	5.7	0.34	0.77	3				
70029	29-1970	TOMT70029	115.84	117.2	9.2	0.94	2.07	3.93				
70029	29-1970	TOMT70029	117.2	119.44	16.4	0.4	0.69	0.87				
70029	29-1970	TOMT70029	119.44	121.15	3.3	1.5	0.11	0				
70029	29-1970	TOMT70029	121.15	123.32	13.2	0.28	0.12	1.57	63	0.5		
70029	29-1970	TOMT70029	123.32	124.34	2.8	0.8	0.06	0.07	63	0.5		
70029	29-1970	TOMT70029	124.34	125.42	11.3	0.34	0.04	1.33	2	0.3		
70029	29-1970	TOMT70029	125.42	127.2	5.7	0.3	0.04	0.33				
70029	29-1970	TOMT70029	127.2	131.75	2	0.04						
70029	29-1970	TOMT70029	131.75	132.9	5.2	0.35						
70029	29-1970	TOMT70029	132.9	134	1.6	0.26						
70030	30-1970	TOMT70030	40.13	41.41	3.7	0.06	0	0.1				
70030	30-1970	TOMT70030	41.41	42.7	6	0.07	0.1	0.1				
70030	30-1970	TOMT70030	76.62	76.97	6.8	0.03	0.7	1.2				
70030	30-1970	TOMT70030	76.97	77.97	5.1	0.02	2.3	3.9	41	0.2		
71002	2-1971	TOMT71002	49.64	50.25	15.2	0.05	1.65	0.82	148	0.6		
71002	2-1971	TOMT71002	50.25	51.2	17.4	0.06	5.85	15.64	148	0.6		
71003	03-1971	TOMT71003	34.05	34.2			3	7.7	61	0.6		
71003	03-1971	TOMT71003	35.75	36.96			0.1	0.5				
71003	03-1971	TOMT71003	40.95	41.25			1	1.1				
71003	03-1971	TOMT71003	43.2	44.22			0	0.3				
71003	03-1971	TOMT71003	67.1	68.32	18.7	0.04	0	0.1				
71004	4-1971	TOMT71004	142.4	142.67	19.5	1.66						
71005	05-1971	TOMT71005	113	113.7	11.1	0.39						
71005	05-1971	TOMT71005	117.35	117.55	19.3	9.44						
71005	05-1971	TOMT71005	124.1	124.75		1.26						
71005	05-1971	TOMT71005	127.35	127.7		4.95						
71005	05-1971	TOMT71005	129.7	130.35		2.79						

Hole_ID		SGU-IDCODE	From	To	S	Cu	Pb	Zn	Ag	Au	Mn	Fe
71009	9-1971	TOMT71009	14.38	14.67	27.2	0.04						
71009	9-1971	TOMT71009	49.16	49.8		0.07						
71009	9-1971	TOMT71009	51.5	52.5		0.07						
71009	9-1971	TOMT71009	53.18	54.11		0.06						
71010	10-1971	TOMT71010	143.4	147.43		0.15						
71010	10-1971	TOMT71010	147.43	148.32		0.97			67	1.1		
71010	10-1971	TOMT71010	148.32	150.64	15.6	3.85			67	1.1		
71010	10-1971	TOMT71010	150.64	151.28		0.17			46	0.9		
71010	10-1971	TOMT71010	151.28	152.14		0.09			46	0.9		
71010	10-1971	TOMT71010	152.14	152.93		1.78			46	0.9		
71012	12-1971	TOMT71012	25.1	26.92	1.9	0.15						
71016	16-1971	TOMT71016	6.8	7.73	8.9	2.35			55	0.8		
71016	16-1971	TOMT71016	7.73	9.91	2.7	0.23			26	0.6		
71016	16-1971	TOMT71016	9.91	11.2	0.6	0.29						
71016	16-1971	TOMT71016	16.83	17.7	1	0.12						
71016	16-1971	TOMT71016	74	74.75	3.7	0.14						
71016	16-1971	TOMT71016	74.75	77.2	3.3	0.18						
71016	16-1971	TOMT71016	77.2	78.8	3.7	0.45						
71016	16-1971	TOMT71016	78.8	79.35	1.2	0.12						
71016	16-1971	TOMT71016	79.35	80.2	5.3	0.59			31	0.5		
71016	16-1971	TOMT71016	80.2	81.6	11.1	2.54			43	0.6		
71016	16-1971	TOMT71016	81.6	84.7	2.5	0.29						
71016	16-1971	TOMT71016	84.7	87.3	3.8	0.52						
71016	16-1971	TOMT71016	87.3	87.9	7.2	0.75						
71016	16-1971	TOMT71016	87.9	89.38	1.8	0.11						
71016	16-1971	TOMT71016	89.38	90.47	2.6	0.58						
71016	16-1971	TOMT71016	90.47	92.59	8.8	1			32	0.7		
71016	16-1971	TOMT71016	92.59	93.39	2.7	0.14						
71016	16-1971	TOMT71016	93.39	94.22	2.4	0.15						
71016	16-1971	TOMT71016	94.22	96.16	7.7	0.59						
71016	16-1971	TOMT71016	96.16	98.45	1.1	0.15						
71016	16-1971	TOMT71016	98.45	99.3	2.3	0.45						
71016	16-1971	TOMT71016	99.3	100.25	3.1	0.76						
71016	16-1971	TOMT71016	100.25	101.5	3.4	0.28						
71017	17-1971	TOMT71017	93.28	95.1	10.1	0.06						
71018	18-1971	TOMT71018	40.1	40.77	0.4	0.29						
71018	18-1971	TOMT71018	60.7	61.79	2.6	5			73	0.8		

Hole_ID		SGU-IDCODE	From	To	S	Cu	Pb	Zn	Ag	Au	Mn	Fe
71019	19-1971	TOMT71019	14.35	15.09	11.9	0.07	0.1	15.5	24	0.5		
71019	19-1971	TOMT71019	15.09	16.62	2.3	0.03	0.4	1.3	56	0.8		
71019	19-1971	TOMT71019	16.62	18.12	3.1	0.02	0.2	2.4	28	0.4		
71019	19-1971	TOMT71019	18.12	19.01	2.8	0.01	0.3	3.3	28	0.4		
71019	19-1971	TOMT71019	19.01	19.64	3.9	0.02	1.3	4.3	28	0.4		
71019	19-1971	TOMT71019	19.64	21.64	2.6	0.03	0.3	1.2				
71020	20-1971	TOMT71020	4.96	7.35	3.9	0.13	0	0.2				
71020	20-1971	TOMT71020	7.35	7.6	1.3	0.06	0	0.2				
71020	20-1971	TOMT71020	7.6	8.6	6.2	0.25	0	0				
71020	20-1971	TOMT71020	8.6	10.16	10.8	0.38	0	0.1	33	1.1		
71020	20-1971	TOMT71020	10.16	15.25	2.6	0.08	0	0.5				
71020	20-1971	TOMT71020	15.25	16.67	6.2	0.19	0.1	2.2	26	0.8		
71020	20-1971	TOMT71020	16.67	17.25	6.9	0.18	0.5	3.3				
71021	21-1971	TOMT71021	5.89	7.5					19	0.5		
71022	22-1971	TOMT71022	0.75	2.94	10.1	0.14						
71022	22-1971	TOMT71022	2.94	4.27	18.3	0.08	0.45	19.06	56	0.5		
71022	22-1971	TOMT71022	4.27	5.34	4	0.05	0.47	2.64	56	0.5		
71022	22-1971	TOMT71022	5.34	5.74	9.3	0.04	0.11	13.09	56	0.5		
71022	22-1971	TOMT71022	5.74	7.68	3.7	0.03	0.53	2.65	25	0.2		
71023	23-1971	TOMT71023	4.67	7.6	3.3	0.12						
71023	23-1971	TOMT71023	7.6	8.23	6.1	0.16						
71023	23-1971	TOMT71023	14.8	15.47	29.3	0.26			22	0.5		
71023	23-1971	TOMT71023	15.47	16.41	11.7	0.26						
71024	24-1971	TOMT71024	22.59	25.29	32.4	0.03	2.6	11.2	62	0.2		
71024	24-1971	TOMT71024	25.29	26.2	36.4	0.02	0.3	6.4	62	0.2		
71024	24-1971	TOMT71024	26.2	27.04	19.5	0.02	0.1	3.3	30	0.4		
71024	24-1971	TOMT71024	27.04	27.59	6	0.02	0	1.8				
71025	25-1971	TOMT71025	11.12	12.31	11.4	0.28			27	0.6		
71025	25-1971	TOMT71025	64.55	65.25	1.2	0.08						
71026	26-1971	TOMT71026	5.52	7.66	4.4	0	1.15	0.44				
71026	26-1971	TOMT71026	11.99	14.7	4.4	0	7.46	2.54	49	0.6		
71027	27-1971	TOMT71027	15.58	15.97								
71027	27-1971	TOMT71027	29.47	30.32	9	0.17						
71027	27-1971	TOMT71027	32.33	38.77	5.3	0.05						
71027	27-1971	TOMT71027	47.13	48.13	12.1	0						
71027	27-1971	TOMT71027	48.13	51.24	6.5	0.04						
71027	27-1971	TOMT71027	55.17	56.53	5.1	0.17						

Hole_ID		SGU-IDCODE	From	To	S	Cu	Pb	Zn	Ag	Au	Mn	Fe
71027	27-1971	TOMT71027	56.53	57.6	7.8	0.48			30	0.8		
71027	27-1971	TOMT71027	57.6	59.58	18.3	0.29	0	0.24	30	0.8		
71027	27-1971	TOMT71027	59.58	61.71	3.8	0.12						
71027	27-1971	TOMT71027	61.71	62.81	10	0.29						
71028	28-1971	TOMT71028	24.95	26.05	7	0.01	1.1	0.3				
71028	28-1971	TOMT71028	26.05	26.4	29.2	0.02	0	6	58	0.7		
71028	28-1971	TOMT71028	53.29	53.9	0.2	0.02						
71029	29-1971	TOMT71029	1.12	1.7	0.3	0	0	0.2				
71030	30-1971	TOMT71030	23.7	24.56					22	0.7		
71030	30-1971	TOMT71030	24.56	25.17					37	1		
71031	31-1971	TOMT71031	97.48	101.1		0.19						
71031	31-1971	TOMT71031	101.1	104.33		0.42						
71031	31-1971	TOMT71031	104.33	105.33		0.07						
71031	31-1971	TOMT71031	105.33	107.58		0.03						
71031	31-1971	TOMT71031	107.58	108.8		0.14						
71031	31-1971	TOMT71031	108.8	110.5	14.8	0.48	1.7	2.1	33	0.4		
71031	31-1971	TOMT71031	110.5	111.97	5.1	0.43	0.4	0.6	33	0.6		
71031	31-1971	TOMT71031	111.97	113.17	7.6	0.53	0.4	1.1	33	0.6		
71031	31-1971	TOMT71031	113.17	114.65	2.5	0.29	0.2	0.4	33	0.6		
71031	31-1971	TOMT71031	114.65	115.94	6.5	1.16	0.4	1.3	56	0.6		
71031	31-1971	TOMT71031	115.94	117.7	13.6	0.52	0.8	0.9	56	0.6		
71031	31-1971	TOMT71031	117	120.53	16.8	1.14	0.3	0.4	56	0.6		
71031	31-1971	TOMT71031	120.53	121.35	4.8	0.24	0	0.4	13	0.4		
71031	31-1971	TOMT71031	121.35	123.06	19.2	0.92	0.2	0.5	87	1.2		
71031	31-1971	TOMT71031	123.06	125.19	16.8	2.18	0.6	1	87	1.2		
71031	31-1971	TOMT71031	125.19	126.55	10.1	2.02	0.5	1.5	87	1.2		
71032	32-1971	TOMT71032	47.28	47.48		0.1						
71032	32-1971	TOMT71032	47.48	48.14		2.52			25	0.4		
71032	32-1971	TOMT71032	53.84	54.48		0.24						
71033	33-1971	TOMT71033	0.23	0.9	14.9	0						
71033	33-1971	TOMT71033	22.59	23.55	0.7	0	0.91	1.09	73	0.7		
71035	35-1971	TOMT71035	28.25	31.1	5.5	0.2			31	0.7		
71035	35-1971	TOMT71035	45.09	46.66	22	0.3			6	0.3		
71035	35-1971	TOMT71035	49.75	50.75	13.1	0.17			15	0.3		
71035	35-1971	TOMT71035	60.11	60.8	11.8	0.35			13	0.4		
71036	36-1971	TOMT71036	118.5	120.9	12.7	0.29	2.3	3.8	34	3.1		
71036	36-1971	TOMT71036	120.9	122.35	1.4	0.03	0.2	0.3	9	0.7		

Hole_ID		SGU-IDCODE	From	To	S	Cu	Pb	Zn	Ag	Au	Mn	Fe
71036	36-1971	TOMT71036	122.35	123.88	18.5	0.2	2	2.4	28	0.7		
71036	36-1971	TOMT71036	123.88	125.6	17.2	0.23	1.5	2	31	0.6		
71036	36-1971	TOMT71036	125.6	128	3.1	0.1	0.1	0.9	21	0.7		
71037	37-1971	TOMT71037	47.3	47.7	13.4	0.18	2	4.6	87	0.6		
71039	39-1971	TOMT71039	5.44	6.47	22.5	0.08	0	0.2				
71040	40-1971	TOMT71040	106.6	107.1					197	0.6		
71040	40-1971	TOMT71040	107.1	110.64					69	0.8		
71041	41-1971	TOMT71041	3.19	5.32	6.9	0.32	0.1	0.7				
71041	41-1971	TOMT71041	5.32	7.19	16.4	0.46	2.6	0.4	94	0.6		
71041	41-1971	TOMT71041	7.19	9.4	8.7	0.57	0.7	1	58	0.9		
71041	41-1971	TOMT71041	9.4	10.63	4.8	0.19	0.3	0	68	1.1		
71041	41-1971	TOMT71041	10.63	13.5	5.5	0.24	0	0.2	68	1.1		
71041	41-1971	TOMT71041	13.5	15.07	13	0.71	0.6	1.2	52	0.6		
71041	41-1971	TOMT71041	15.07	16.93	12.7	0.39	1	1.7	52	0.6		
71041	41-1971	TOMT71041	16.93	23.03	4.4	0.2	0.2	0.4	69	0.9		
71041	41-1971	TOMT71041	23.03	24.17	8.2	0.28	0.6	2.3	43	0.8		
71041	41-1971	TOMT71041	24.17	27.32	9.4	0.7	1.7	3.6	101	0.7		
71041	41-1971	TOMT71041	27.32	28.95	8.9	0.32	0.1	1.3	45	1		
71041	41-1971	TOMT71041	28.95	30.28	15.2	0.54	1.1	1.1	45	1		
71041	41-1971	TOMT71041	30.28	30.72	4.4	0.26	0	0.7	78	0.6		
71041	41-1971	TOMT71041	30.72	34.76	15.1	0.53	0.3	0.1	78	0.6		
71041	41-1971	TOMT71041	34.76	38.22	9.9	0.38	0	0.4				
71041	41-1971	TOMT71041	50.95	51.14	10.9	0.2	0.5	0.4				
71041	41-1971	TOMT71041	54	54.64	11.3	0.28	2.1	4.8	43	0.8		
71041	41-1971	TOMT71041	54.64	55.84	2.5	0.38	0.1	0.8	43	0.8		
71041	41-1971	TOMT71041	55.84	57.34	10.2	1.17	0.4	2.7	106	0.9		
71041	41-1971	TOMT71041	66.83	67.51	12.9	0.4	1.5	6.5	80	0.7		
71042	42-1971	TOMT71042	11.75	13.5	6.1	0.41						
71042	42-1971	TOMT71042	53.18	54.2		0.25						
71042	42-1971	TOMT71042	54.2	55.4	6.6	0.52			20	0.3		
71042	42-1971	TOMT71042	55.4	57.96	4.8	0.37			20	0.3		
71042	42-1971	TOMT71042	57.96	59.39	10.3	0.61			35	0.4		
71042	42-1971	TOMT71042	59.39	60.48	6.6	0.89			35	0.4		
71042	42-1971	TOMT71042	60.48	64.14	1	0.07						
71042	42-1971	TOMT71042	74.25	76.73	7.7	0.25	3.3	1.9	37	0.9		
71042	42-1971	TOMT71042	76.73	82.16		0.1						
71042	42-1971	TOMT71042	82.16	83.5	10.7	0.46			32	0.4		

Hole_ID		SGU-IDCODE	From	To	S	Cu	Pb	Zn	Ag	Au	Mn	Fe
71042	42-1971	TOMT71042	83.5	84.55	6.6	0.5			32	0.4		
71042	42-1971	TOMT71042	84.55	86.88	7.9	0.42			32	0.4		
71042	42-1971	TOMT71042	86.88	88.22	4	0.22						
71042	42-1971	TOMT71042	88.22	90.88	9.3	0.36						
71042	42-1971	TOMT71042	90.88	93.14	10.9	0.71			29	0.4		
71042	42-1971	TOMT71042	93.14	97.8		0.17						
71042	42-1971	TOMT71042	97.8	101.31	8.6	0.42						
71042	42-1971	TOMT71042	101.31	103.52	10.4	0.4	0	0.1	49	0.4		
71042	42-1971	TOMT71042	103.52	106.92	19.3	0.77	0	0.2	45	0.4		
71042	42-1971	TOMT71042	106.92	109.21	8.5	0.43						
71042	42-1971	TOMT71042	109.21	110.62	7.1	0.27						
71042	42-1971	TOMT71042	113.25	114.12	7.2	0.1	2.2	8.1	61	0.6		
72003	3-1972	TOMT72003	14.2	20.67					23	0.2		
72003	3-1972	TOMT72003	20.67	25.65					22	0.2		
72005	5-1972	TOMT72005	31.34	33.36					183	0.4		
72005	5-1972	TOMT72005	35.33	40.4					95	0.8		
72005	5-1972	TOMT72005	40.4	43.45					76	0.2		
61001	01-1961	TOMT61001	155	156.75	3.3	0.06	0	0.3				
62001	01-1962	TOMT62001	28.6	29.7	6.5	0.03	1.8	2.1				
62002	02-1962	TOMT62002			1.3						0.39	34.8
65002	02-1965	TOMT65002	16.15	16.56	11.2	0.15						
65002	02-1965	TOMT65002	184.75	188.75	4.3	0.15						
65002	02-1965	TOMT65002	191.88	194.44	4.3	0.09						
65002	02-1965	TOMT65002	194.44	196.8	5.8	0.19						
68002	02-1968	TOMT68002	5.2	8.55		0.36						
68002	02-1968	TOMT68002	8.55	11.7		0.43						
68002	02-1968	TOMT68002	12.48	13.65		0.2						
68003B	03-1968B	TOMT68003B	6.63	12.32	9.8	0.93						
68003B	03-1968B	TOMT68003B	12.32	17.73	9.8	0.72						
68003B	03-1968B	TOMT68003B	18.2	21.21		0.64						
68003B	03-1968B	TOMT68003B	30.82	37.13		0.25						
68004	04-1968	TOMT68004	1.4	3.02		0.73						
68004	04-1968	TOMT68004	3.02	5.48	9.4	1.32						
68004	04-1968	TOMT68004	5.48	8.84		0.92						

Hole_ID		SGU-IDCODE	From	To	S	Cu	Pb	Zn	Ag	Au	Mn	Fe
68004	04-1968	TOMT68004	8.84	10.65		1						
68004	04-1968	TOMT68004	30.65	32.66	8.5	0.59						
68005	05-1968	TOMT68005	15.9	17.5		1.33	1.7	3.4				
68005	05-1968	TOMT68005	17.5	19.33		0.26						
68005	05-1968	TOMT68005	19.33	19.7		0.22	2.9	8.2				
68007	07-1968	TOMT68007	22.5	23.15	14.1	0.91						
68011	11-1968	TOMT68011	74.05	74.73		0.13						
68011	11-1968	TOMT68011	74.73	75.15		0.68						
68011	11-1968	TOMT68011	79.92	81.1		0.13						
68011	11-1968	TOMT68011	90.69	91.64		0.1						
68013	13-1968	TOMT68013	36.58	39.75		0.27						
68013	13-1968	TOMT68013	59.52	61.87		0.09						
70001	01-1970	TOMT70001	0	6.1		0.22			41	0.1		
70001	01-1970	TOMT70001	6.1	8.13	9.33	0.23	0.76	2.15	26	0.4		
70001	01-1970	TOMT70001	8.13	9.95		0			26	0.4		
70001	01-1970	TOMT70001	9.95	11.35	28.6	0.07	4.21	24.3	108	0.2		
70001	01-1970	TOMT70001	11.35	13.14		0.15			21	0.2		
70001	01-1970	TOMT70001	20.77	21.68		0.12	0.25	0.78	21	0.2		
70001	01-1970	TOMT70001	21.68	22.38		0.25	0.25	1.48	21	0.2		
70001	01-1970	TOMT70001	22.38	24.35	5.93	0.7	0.09	1.3	21	0.2		
70001	01-1970	TOMT70001	24.35	26.15	9.89	0.15	0.06	0.78	21	0.2		
70003	03-1970	TOMT70003	0	2.41	10.1	0.3			21	0.2		
70003	03-1970	TOMT70003	2.41	5.79		0.05			21	0.2		
70003	03-1970	TOMT70003	5.79	6.24	9.6	1.05	0.89	3.13	133	0.3		
70003	03-1970	TOMT70003	6.24	9.3	25.6	0.18	5.2	10.2	133	0.3		
70003	03-1970	TOMT70003	9.3	10.77	29	0.08	4.73	9.35	133	0.3		
70003	03-1970	TOMT70003	10.77	12.75		0.01			42	0.07		
70003	03-1970	TOMT70003	12.75	15.6	27.5	0.13	0.78	2.22	42	0.7		
70004	04-1970	TOMT70004	2	2.6	39.4	0.02	1.31	2.53	119	0.9		
70004	04-1970	TOMT70004	2.6	3.11	40.8	0.08	1.6	4.5	119	0.9		
70004	04-1970	TOMT70004	3.11	4.3	46.8	0.05	2.3	4.2	119	0.9		
70004	04-1970	TOMT70004	4.3	6.87	41.6	0.12	5.6	13.3	119	0.9		
70004	04-1970	TOMT70004	6.87	8.54	25.2	0.07	1.7	1.7	119	0.9		
70004	04-1970	TOMT70004	8.54	9.85	7.3	0.06	0.1	1	33	0.1		
70004	04-1970	TOMT70004	9.85	11.51	24.7	0.31	3.5	2.9	101	1.4		
70004	04-1970	TOMT70004	11.51	13.59	24.5	0.5	3	10.5	101	1.4		
70004	04-1970	TOMT70004	13.59	14.35	15.5	0.37	0.03	6.2	101	1.4		

Hole_ID		SGU-IDCODE	From	To	S	Cu	Pb	Zn	Ag	Au	Mn	Fe
70004	04-1970	TOMT70004	14.35	16.01	20.9	0.2	7	4.8	101	1.4		
70004	04-1970	TOMT70004	16.01	17.6	7.1	0.13	0.5	0.6	28	0.9		
70004	04-1970	TOMT70004	17.6	18.17	6.6	1.1		0.4	28	0.9		
70004	04-1970	TOMT70004	18.17	18.98	3.4	0.13		0.2				
70004	04-1970	TOMT70004	18.98	21.18	3.5	0.14		0.5				
70004	04-1970	TOMT70004	21.18	26.25	6.2	0.03						
70005	05-1970	TOMT70005	0	2.2		0.11			13	0		
70005	05-1970	TOMT70005	2.2	3.84	7.1	0.21	0.2	0.2	13	0		
70005	05-1970	TOMT70005	3.84	5.97	2	0.17	0.1	0.3	13	0		
70005	05-1970	TOMT70005	5.97	7.64	5.8	0.18	1.1	1.2	28	0.3		
70005	05-1970	TOMT70005	14.93	15.9	3.6	0.09	0.18	0.56				
70005	05-1970	TOMT70005	21.7	21.96	20.5	0.03	10.8	19.55	181	0.2		
70007	07-1970	TOMT70007	6.95	7.7	7	0.23						
70007	07-1970	TOMT70007	8.5	9.6	12.8	0.34	0.5	1				
70009	09-1970	TOMT70009	0	2.35	9.7	0.22	1.5	1.3				
70009	09-1970	TOMT70009	2.35	3.18	8.6	0.15	0.9	0.9				
70009	09-1970	TOMT70009	3.18	4.62	3.5	0.21	0.2	0.4				
70009	09-1970	TOMT70009	4.62	6.52	7.4	0.25	1.2	1.2	46	0.2		
70009	09-1970	TOMT70009	6.52	7.32	3.9	0.12	1.2	1.1	46	0.2		
70009	09-1970	TOMT70009	7.32	8.95	3.7	0.22	1.3	0.8	46	0.2		
70009	09-1970	TOMT70009	8.95	12.73	8.2	0.19	2.1	1.7	46	0.2		
70009	09-1970	TOMT70009	12.73	13.73	5.8	0.1	0.6	1.1				
70010	10-1970	TOMT70010	0	1.11		0.19						
70010	10-1970	TOMT70010	1.11	2.58		0.17						
70010	10-1970	TOMT70010	2.58	3.97	6.5	0.27	1.7	2	37	0.2		
70010	10-1970	TOMT70010	3.97	5.39	11.4	0.47	2.3	1.7	37	0.2		
70010	10-1970	TOMT70010	5.39	6.64	5.2	0.19	0.6	1				
70010	10-1970	TOMT70010	6.64	9.06	5.9	0.19	0.3	0.8				
70010	10-1970	TOMT70010	9.06	10.1	4.9	0.14	0.9	1.9	38	0.2		
70010	10-1970	TOMT70010	10.1	10.98	13.4	0.19	2.2	7.3	38	0.2		
70010	10-1970	TOMT70010	10.98	12.9	11.1	0.25	0.8	2.5	38	0.2		
70010	10-1970	TOMT70010	12.9	13.82	9	0.19						
70011	11-1970	TOMT70011	26.95	28.5	24.7	0.27	13	16.9	222	1		
70013	13-1970	TOMT70013	38.39	39.32	42.1	0.07	0.8	5.2	73	0.2		
70014	14-1970	TOMT70014	6.05	6.99	2.4	1.02			52	0.4		
70015	15-1970	TOMT70015	4.72	5.38	18.1	7.94			189	4		
70016	16-1970	TOMT70016	16.75	20.7	8.7	0.04	0.3	1.7				

Hole_ID		SGU-IDCODE	From	To	S	Cu	Pb	Zn	Ag	Au	Mn	Fe
70016	16-1970	TOMT70016	20.7	22.25	16.2	0.03	2.8	16.2	24	0.4		
70016	16-1970	TOMT70016	22.25	23.16	8.8	0.01	1	8.8	24	0.4		
70016	16-1970	TOMT70016	23.16	25.46	14	0.02	0.5	14	24	0.4		
70016	16-1970	TOMT70016	30.1	30.76	9.9	0.02	2.8	9.9				
70016	16-1970	TOMT70016	30.76	41.78	15.1	0.06	2.1	15.1				
70016	16-1970	TOMT70016	41.78	43.4	11.4	0.04	0.5	11.4				
70017	17-1970	TOMT70017	0.31	2.4	8.2	0.06	2.6	4.8	47	0.2		
70017	17-1970	TOMT70017	2.4	3.6	8.8	0.16	2.2	3.4	47	0.2		
70019	19-1970	TOMT70019	0	2.65	8.3	0.22	1.8	3.7				
70019	19-1970	TOMT70019	2.65	4.47	6.4	0.19	1.4	2.6				
70019	19-1970	TOMT70019	4.47	5.5	5.9	0.2	0.8	1.3				
70019	19-1970	TOMT70019	15.1	16	5.9	0	4.9	3.2				
70019	19-1970	TOMT70019	18.47	19.05	6.6	0	2.6	6				
70019	19-1970	TOMT70019	53.43	54.83	7.4	0.1	2.5	4.9				
70019	19-1970	TOMT70019	54.83	56.5	5.2	0.1	1.1	1.1				
71007	07-1971	TOMT71007	47.48	48.14		2.52			25	0.4		
72002	2-1972	TOMT72002	12.8	13.5	4.2	0.36						
72003	3-1972	TOMT72003	14.2	16.55	3.4	0.36			23	0.2		
72003	3-1972	TOMT72003	16.55	18.67	2.8	0.33			23	0.2		
72003	3-1972	TOMT72003	18.67	20.67	6.6	0.58			23	0.2		
72003	3-1972	TOMT72003	20.67	23.65	14.8	0.76	0.1	0.1	22	0.2		
72003	3-1972	TOMT72003	23.65	25.65	8	0.87	0.1	0.8	22	0.2		
72005	5-1972	TOMT72005	31.34	33.36	16.5	0.1	3.9	9.7	183	0.4		
72005	5-1972	TOMT72005	35.33	37.68	13.6	0.19	5.2	10.3	95	0.8		
72005	5-1972	TOMT72005	37.68	38.77	7.3	0.09	1.2	3.2	95	0.8		
72005	5-1972	TOMT72005	38.77	40.4	15.3	0.12	3	5.1	95	0.8		
72005	5-1972	TOMT72005	40.4	41.03	5.9	0.08	1.5	2.9	76	0.2		
72005	5-1972	TOMT72005	41.03	42.69	10.5	0.09	3.6	4.5	76	0.2		
72005	5-1972	TOMT72005	42.69	43.45	12.8	0.14	2.2	2.6	76	0.2		
72005	5-1972	TOMT72005	43.45	45.8		0.05						
72005	5-1972	TOMT72005	45.8	47.4	11.4	0.15						

Appendix C Assay Results

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Page: 1
Total # Pages: 2 (A - E)
Plus Appendix Pages
Finalized Date: 6-OCT-2020
Account: SLADIS

CERTIFICATE MS20204015

Project: SWE-Tomtebo

This report is for 17 Rock samples submitted to our lab in Mala, Sweden on 14-SEP-2020.

The following have access to data associated with this certificate:

GARRETT AINSWORTH ERIC JENSEN SORIN TAMAS	ANNA GALLAGHER DAVID MAHER	JOHANNES HOLZÄPFEL EURASIAN MINERALS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-24	Pulp Login - Rcd w/o Barcode
PUL-QC	Pulverizing QC Test
CRU-QC	Crushing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
C-IR07	Total Carbon (IR Spectroscopy)	LECO
S-IR08	Total Sulphur (IR Spectroscopy)	LECO
ME-MS81	Lithium Borate Fusion ICP-MS	ICP-MS
ME-MS42	Up to 34 elements by ICP-MS	ICP-MS
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
TOT-ICP06	Total Calculation for ICP06	
ME-4ACD81	Base Metals by 4-acid dig.	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 *****

Comments: Samples were received on 14/9-2020 and the SSF/Request on 14/9-2020.

Signature: Andrey Tairov, Technical Manager, Ireland

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Page: 2 - A
Total # Pages: 2 (A - E)
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Finalized Date: 6-OCT-2020
Account: SLADIS

Project: SWE-Tomtebo

CERTIFICATE OF ANALYSIS MS20204015

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.002	ME-ICP06 TiO2 % 0.01	ME-ICP06 MnO % 0.01	ME-ICP06 P2O5 % 0.01	ME-ICP06 SrO % 0.01	ME-ICP06 BaO % 0.01	OA-GRA05 LOI % 0.01
B440017		1.14	75.3	8.71	6.19	<0.01	0.78	0.16	2.78	<0.002	0.10	0.01	0.01	<0.01	0.04	4.26
B440019		0.90	61.8	16.65	7.22	1.55	4.52	4.42	1.23	<0.002	0.35	0.09	0.08	<0.01	0.11	2.90
B440020		0.08	33.4	12.25	34.3	5.24	1.31	0.93	3.16	0.005	0.26	0.43	1.15	<0.01	0.01	2.42
B440021		0.92	77.6	11.35	2.80	0.06	2.32	0.21	2.70	<0.002	0.11	0.03	0.03	<0.01	0.06	2.74
B440018		2.38	77.9	11.45	1.98	0.28	1.08	3.65	1.42	0.002	0.12	0.03	0.02	<0.01	0.06	1.53
B440022		1.54	78.7	11.85	3.87	0.02	1.96	0.16	2.67	0.002	0.14	0.02	0.02	<0.01	0.05	2.49
B440023		0.48	77.8	11.95	1.43	1.32	0.84	4.65	0.63	<0.002	0.14	0.05	0.04	<0.01	0.03	0.88
B440024		1.28	46.6	17.20	14.10	3.47	8.96	0.96	3.30	0.046	0.91	0.30	0.20	0.01	0.05	2.56
B440026		1.48	61.2	11.30	9.88	0.17	8.68	0.13	1.77	0.002	0.21	0.09	0.04	<0.01	0.02	5.40
B440025		1.60	76.0	13.15	2.50	0.03	2.75	0.23	3.17	<0.002	0.16	0.02	0.03	<0.01	0.05	3.11
B440032		0.96	69.5	12.45	6.64	0.30	3.90	0.62	1.78	0.002	0.16	0.08	0.02	<0.01	0.05	3.16
B440031		1.70	78.7	10.50	3.78	0.11	2.46	0.39	2.53	<0.002	0.14	0.03	0.02	<0.01	0.06	3.25
B440027		1.08	68.1	6.69	14.50	0.01	3.89	0.04	0.39	0.002	0.07	0.05	0.01	<0.01	<0.01	6.90
B440029		1.30	78.1	7.47	8.86	0.08	2.25	0.14	0.62	0.003	0.08	0.05	<0.01	<0.01	0.01	4.19
B440030		1.42	75.2	9.82	7.65	0.03	2.36	0.09	1.64	0.002	0.13	0.03	0.01	<0.01	0.02	4.12
B440028		2.18	68.7	9.91	10.90	0.01	2.13	0.06	1.26	0.002	0.12	0.02	0.01	<0.01	0.01	4.92
B440016		1.02	74.1	11.30	6.12	0.17	4.29	0.26	0.85	0.002	0.12	0.12	0.02	<0.01	0.01	2.71

Comments: Samples were received on 14/9-2020 and the SSF/Request on 14/9-2020.

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Page: 2 - B
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Account: SLADIS

Project: SWE-Tomtebo

CERTIFICATE OF ANALYSIS MS20204015

Sample Description	Method / Analyte / Units / LOD	TOT-ICP06 Total % 0.01	C-IR07 C % 0.01	S-IR08 S % 0.01	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.1	ME-MS81 Cr ppm 10	ME-MS81 Cs ppm 0.01	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.02	ME-MS81 Ga ppm 0.1	ME-MS81 Gd ppm 0.05	ME-MS81 Ge ppm 5	ME-MS81 Hf ppm 0.1	ME-MS81 Ho ppm 0.01
B440017		98.34	0.04	4.34	364	29.9	10	1.78	1.63	1.10	0.24	9.9	1.66	<5	2.5	0.31
B440019		100.92	0.05	0.03	985	94.5	10	0.44	4.92	3.45	1.80	18.7	5.88	<5	9.0	1.12
B440020		94.87	0.14	0.74	75.1	17.7	40	245	1.39	0.86	0.22	232	1.77	9	2.4	0.35
B440021		100.01	0.05	0.18	607	45.4	10	0.77	1.91	1.32	0.32	12.3	2.18	<5	2.9	0.38
B440018		99.52	0.04	0.02	543	18.4	20	0.14	1.94	1.59	0.34	9.0	1.36	<5	3.2	0.50
B440022		101.95	0.05	0.39	486	46.7	10	0.62	2.20	1.42	0.41	12.2	2.11	<5	3.1	0.49
B440023		99.76	0.08	0.02	268	35.6	10	0.28	1.80	1.31	0.31	10.3	1.73	<5	3.1	0.42
B440024		98.67	0.08	0.04	410	18.6	350	0.52	4.63	2.75	1.21	19.8	3.51	<5	1.4	1.00
B440026		98.89	0.04	2.51	170.5	341	20	3.34	5.41	1.96	2.63	19.8	10.80	<5	2.8	0.78
B440025		101.20	0.05	0.02	432	46.6	10	0.67	2.04	1.40	0.38	14.3	2.05	<5	3.5	0.46
B440032		98.66	0.07	1.93	427	49.3	20	0.77	2.23	1.62	0.66	13.1	2.39	<5	2.9	0.52
B440031		101.97	0.04	0.68	528	29.8	10	0.97	1.70	1.09	0.37	10.1	1.89	<5	2.7	0.36
B440027		100.65	0.06	5.65	42.7	26.4	20	0.87	1.39	0.75	0.62	12.9	1.61	<5	1.8	0.28
B440029		101.85	0.05	3.27	74.7	22.6	20	0.92	1.46	0.92	0.33	9.7	1.53	<5	2.4	0.30
B440030		101.10	0.05	2.55	148.5	31.2	20	0.78	1.74	1.13	0.66	13.3	1.62	<5	2.6	0.40
B440028		98.05	0.06	6.40	116.5	27.3	20	0.51	1.68	1.16	0.49	13.4	1.55	<5	2.9	0.37
B440016		100.07	0.05	1.21	77.2	28.6	30	1.14	1.71	1.16	0.35	12.6	1.82	<5	3.0	0.37

Comments: Samples were received on 14/9-2020 and the SSF/Request on 14/9-2020.

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Account: SLADIS

Project: SWE-Tomtebo

CERTIFICATE OF ANALYSIS MS20204015

Sample Description	Method / Analyte / Units / LOD	ME-MS81 La ppm 0.1	ME-MS81 Lu ppm 0.01	ME-MS81 Nb ppm 0.1	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.02	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tm ppm 0.01	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5
B440017		16.4	0.20	5.0	11.4	3.08	138.5	1.73	4	2.5	0.7	0.26	12.70	0.16	2.89	5
B440019		49.4	0.79	11.0	43.8	10.95	31.8	8.75	8	149.0	0.8	0.78	21.8	0.62	5.19	43
B440020		9.3	0.12	18.9	10.5	2.34	894	1.95	187	103.5	0.3	0.26	5.69	0.13	8.01	60
B440021		26.4	0.24	5.9	16.2	4.62	75.6	2.61	4	8.0	0.8	0.32	17.90	0.17	5.51	6
B440018		10.1	0.28	5.2	6.8	1.95	32.6	1.27	2	50.8	0.4	0.28	17.95	0.30	6.80	8
B440022		27.3	0.29	6.0	16.8	4.74	69.7	2.53	5	8.5	0.6	0.39	19.05	0.25	5.44	7
B440023		20.4	0.27	6.1	12.7	3.56	27.2	2.19	2	107.0	0.5	0.26	16.95	0.21	4.61	9
B440024		8.9	0.41	6.7	10.6	2.36	131.5	2.98	7	151.0	0.1	0.65	0.68	0.43	0.60	248
B440026		198.0	0.29	3.0	111.0	33.9	69.9	17.75	5	45.4	0.3	1.30	18.95	0.28	5.00	84
B440025		26.9	0.28	6.9	16.5	4.80	74.9	2.75	3	12.3	0.6	0.33	18.00	0.25	5.12	11
B440032		28.8	0.25	4.8	18.0	4.95	64.5	3.31	2	24.8	0.5	0.39	17.40	0.24	7.88	24
B440031		18.7	0.22	4.7	12.9	3.28	70.8	2.41	5	11.0	0.6	0.28	15.45	0.19	4.47	9
B440027		17.7	0.12	1.7	11.3	2.98	19.0	2.33	11	4.9	0.3	0.24	10.10	0.13	4.82	21
B440029		14.3	0.14	2.2	9.6	2.60	23.8	1.89	7	13.2	0.4	0.25	10.45	0.14	3.73	5
B440030		20.4	0.20	4.6	12.9	3.38	52.1	2.19	10	5.6	0.5	0.28	14.60	0.17	4.34	7
B440028		18.2	0.21	5.9	11.4	3.02	43.0	2.10	9	2.1	0.7	0.26	14.25	0.17	4.82	9
B440016		17.9	0.22	5.6	12.4	3.21	31.5	2.24	6	17.7	0.8	0.27	16.70	0.22	22.6	8

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To: **DISTRICT METALS AB**
C/O NORDFORS CONSULTING
SANKT ERIKSGATAN 117
113 43 STOCKHOLM

Page: 2 - D
Total # Pages: 2 (A - E)
Plus Appendix Pages
Finalized Date: 6-OCT-2020
Account: SLADIS

Project: SWE-Tomtebo

CERTIFICATE OF ANALYSIS MS20204015

Sample Description	Method / Analyte / Units / LOD	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.1	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 2	ME-MS42 As ppm 0.1	ME-MS42 Bi ppm 0.01	ME-MS42 Hg ppm 0.005	ME-MS42 In ppm 0.005	ME-MS42 Re ppm 0.001	ME-MS42 Sb ppm 0.05	ME-MS42 Se ppm 0.2	ME-MS42 Te ppm 0.01	ME-MS42 Tl ppm 0.02	ME-4ACD81 Ag ppm 0.5	ME-4ACD81 Cd ppm 0.5
B440017		15	9.9	1.19	87	51.0	3.53	0.012	0.132	<0.001	0.53	0.4	0.01	0.28	<0.5	3.0
B440019		<1	29.9	4.65	295	0.3	0.30	<0.005	0.043	<0.001	0.07	0.3	<0.01	<0.02	<0.5	<0.5
B440020		>10000	8.4	0.65	89	4.9	6.30	0.166	0.656	0.046	0.27	3.9	0.35	5.22	1.4	0.6
B440021		4	11.6	1.52	99	0.7	0.23	<0.005	0.017	<0.001	<0.05	0.4	0.01	0.19	<0.5	<0.5
B440018		6	12.8	1.69	107	0.9	0.05	<0.005	0.012	<0.001	0.22	<0.2	<0.01	0.02	<0.5	<0.5
B440022		6	13.2	1.69	108	1.3	0.29	<0.005	0.011	<0.001	0.05	0.3	0.01	0.09	<0.5	<0.5
B440023		<1	11.3	1.58	114	0.6	0.03	<0.005	0.009	<0.001	<0.05	0.3	0.01	0.07	<0.5	<0.5
B440024		<1	26.0	2.51	43	1.1	0.07	<0.005	0.052	<0.001	<0.05	<0.2	<0.01	0.17	<0.5	0.5
B440026		<1	20.0	1.78	109	1.7	1.51	<0.005	0.103	<0.001	0.08	7.5	0.04	0.87	<0.5	<0.5
B440025		8	13.6	1.56	125	0.6	2.14	<0.005	0.014	<0.001	<0.05	<0.2	<0.01	0.15	<0.5	<0.5
B440032		2	15.6	1.63	114	0.6	3.24	<0.005	0.038	0.001	<0.05	1.6	0.02	0.35	<0.5	<0.5
B440031		5	10.1	1.13	103	1.0	0.92	<0.005	0.036	<0.001	<0.05	0.3	0.01	0.29	<0.5	<0.5
B440027		2	7.4	0.83	61	65.4	53.5	0.043	0.395	<0.001	1.33	19.5	0.03	0.42	20.2	2.5
B440029		1	9.3	1.03	79	58.6	1.77	0.009	0.256	<0.001	0.35	5.0	0.01	0.25	2.4	2.0
B440030		38	10.0	1.27	100	34.7	18.35	0.020	0.111	<0.001	0.26	4.1	0.02	0.97	1.0	<0.5
B440028		1	10.8	1.07	102	112.0	147.5	0.122	2.48	<0.001	1.03	1.2	0.12	2.29	17.1	46.8
B440016		1	11.4	1.49	110	4.7	0.55	0.014	0.035	<0.001	0.10	1.3	0.01	0.81	0.5	<0.5

Comments: Samples were received on 14/9-2020 and the SSF/Request on 14/9-2020.

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113 43 STOCKHOLM

Page: 2 - E
Total # Pages: 2 (A - E)
Plus Appendix Pages
Finalized Date: 6-OCT-2020
Account: SLADIS

Project: SWE-Tomtebo

CERTIFICATE OF ANALYSIS MS20204015

Sample Description	Method / Analyte / Units / LOD	ME-4ACD81 Co ppm 1	ME-4ACD81 Cu ppm 1	ME-4ACD81 Li ppm 10	ME-4ACD81 Mo ppm 1	ME-4ACD81 Ni ppm 1	ME-4ACD81 Pb ppm 2	ME-4ACD81 Sc ppm 1	ME-4ACD81 Zn ppm 2	PUL-QC Pass75um % 0.01	CRU-QC Pass2mm % 0.01	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001
B440017		5	45	<10	7	<1	18	2	942	89.6	87.3	0.015	<0.005	<0.001
B440019		8	5	<10	1	6	12	10	75			0.001	<0.005	<0.001
B440020		50	4890	120	257	27	5	5	352			1.100	<0.005	0.016
B440021		3	80	10	3	<1	6	2	37			0.003	<0.005	<0.001
B440018		<1	1	<10	1	<1	5	3	21			0.001	<0.005	<0.001
B440022		4	25	10	2	1	18	3	55			0.002	<0.005	<0.001
B440023		<1	1	<10	1	<1	17	3	32			<0.001	<0.005	<0.001
B440024		27	164	10	<1	81	37	39	154			0.001	<0.005	0.001
B440026		20	1260	20	1	6	9	12	78			0.002	<0.005	<0.001
B440025		2	52	10	1	2	16	3	32			<0.001	<0.005	<0.001
B440032		10	1000	10	1	2	10	3	64	88.8	76.2	0.021	<0.005	<0.001
B440031		5	245	10	1	1	15	2	32			0.002	<0.005	<0.001
B440027		13	3760	10	2	5	1090	5	730			1.055	<0.005	<0.001
B440029		8	2450	10	2	1	59	1	1210			0.635	<0.005	<0.001
B440030		14	905	10	3	2	66	2	95			0.041	<0.005	0.001
B440028		3	879	<10	4	<1	4080	2	>10000			0.213	<0.005	<0.001
B440016		7	753	20	2	<1	73	2	1040			0.018	<0.005	<0.001

Comments: Samples were received on 14/9-2020 and the SSF/Request on 14/9-2020.

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 6-OCT-2020
Account: SLADIS

Project: SWE-Tomtebo

CERTIFICATE OF ANALYSIS MS20204015

CERTIFICATE COMMENTS

ACCREDITATION COMMENTS

The methods immediately below this line are ISO 17025:2005 Accredited. INAB Registration No: 173T

Applies to Method:	C-IR07	ME-ICP06	ME-MS81	OA-GRA05
	PGM-ICP23	S-IR08		

LABORATORY ADDRESSES

Processed at ALS Loughrea located at Dublin Road, Loughrea, Co. Galway, Ireland.

Applies to Method:	C-IR07	ME-4ACD81	ME-ICP06	ME-MS42
	ME-MS81	OA-GRA05	PGM-ICP23	S-IR08
	TOT-ICP06			

Processed at ALS Mala located at Fabriksgatan 1, 930 70 Malå, Sweden.

Applies to Method:	CRU-31	CRU-QC	LOG-22	LOG-24
	PUL-31	PUL-QC	SPL-22Y	WEI-21

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Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-SEP-2020
Account: SLADIS

CERTIFICATE MS20204016

Project: SWE-Tomtebo

This report is for 21 Rock samples submitted to our lab in Mala, Sweden on 14-SEP-2020.

The following have access to data associated with this certificate:

GARRETT AINSWORTH ERIC JENSEN	ANNA GALLAGHER DAVID MAHER	JOHANNES HOLZÄPFEL EURASIAN MINERALS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-24	Pulp Login - Rcd w/o Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME-MS61	48 element four acid ICP-MS	
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
Pb-OG62	Ore Grade Pb - Four Acid	
Zn-OG62	Ore Grade Zn - Four Acid	
S-IR08	Total Sulphur (IR Spectroscopy)	LECO
PGM-ICP23	Pt, Pd, Au 30g FA ICP	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 *****

Comments: Samples were received on 14/9-2020 and the SSF/Request on 14/9-2020.

Signature: Andrey Tairov, Technical Manager, Ireland

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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-SEP-2020
Account: SLADIS

Project: SWE-Tomtebo

CERTIFICATE OF ANALYSIS MS20204016

Sample Description	Method Analyte Units LOD	WEI-21 Recvd Wt. kg 0.02	CRU-QC Pass2mm % 0.01	PUL-QC Pass75um % 0.01	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	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
B441002		2.14	78.5	89.2	0.001	<0.005	<0.001	0.13	9.81	7.2	50	1.25	5.46	12.50	0.16	7.56
B441003		2.00			0.008	<0.005	<0.001	0.68	7.35	2.3	730	1.19	36.3	2.16	0.28	3.17
B441004		0.28			<0.001	<0.005	0.001	0.01	5.56	0.5	630	1.40	0.10	1.17	<0.02	23.8
B441022		1.42			0.302	<0.005	<0.001	3.88	5.28	3.0	40	0.80	228	1.27	1.16	12.35
B441005		1.42			0.027	<0.005	<0.001	18.00	0.22	2.2	30	<0.05	3.08	0.02	4.22	1.05
B441006		1.58			0.033	<0.005	0.001	27.1	2.68	5.2	110	0.33	4.52	0.42	3.35	14.40
B441007		1.68			0.005	<0.005	0.001	23.9	6.17	17.3	100	0.57	161.5	1.17	225	7.33
B441008		2.12			0.002	<0.005	0.002	11.25	6.03	155.0	20	1.40	29.4	12.35	442	3.31
B441009		0.84			0.058	<0.005	<0.001	0.24	4.69	>10000	350	1.83	125.0	0.85	0.78	63.0
B441010		1.46			0.011	<0.005	0.002	0.75	2.97	17.4	<10	0.18	19.00	8.78	0.85	9.37
B441011		2.20	83.7	89.2	0.144	<0.005	0.001	1.05	2.64	39.5	10	0.87	72.5	10.60	0.52	138.5
B441012		0.70			0.011	<0.005	0.002	1.10	2.16	2.1	<10	0.84	11.85	9.71	0.68	15.65
B441013		1.82			0.007	<0.005	<0.001	0.64	1.18	5.6	10	0.78	5.63	10.55	0.30	17.80
B441014		3.10			0.005	<0.005	<0.001	1.86	1.86	0.9	60	0.23	12.65	1.37	0.95	38.9
B441015		2.42			0.373	<0.005	<0.001	16.15	0.87	24.9	<10	0.35	4.76	5.00	19.40	4.97
B441016		0.08			0.481	<0.005	<0.001	57.8	3.57	139.5	20	0.29	10.30	1.60	210	7.12
B441017		2.12			0.195	<0.005	<0.001	13.00	1.72	1220	20	1.05	64.9	6.20	17.15	14.45
B441018		1.10			0.103	<0.005	0.005	3.66	4.33	31.3	40	1.11	29.2	1.78	0.41	56.9
B441019		1.44			0.082	<0.005	<0.001	>100	3.19	125.5	70	0.60	5.16	3.77	534	30.7
B441020		1.94			0.007	<0.005	<0.001	37.8	4.81	4.4	20	3.44	19.90	17.25	11.20	32.7
B441021		2.28	78.2	88.8	0.069	<0.005	<0.001	47.5	1.53	3550	<10	2.37	56.9	14.95	5.86	11.55

Comments: Samples were received on 14/9-2020 and the SSF/Request on 14/9-2020.

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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-SEP-2020
Account: SLADIS

Project: SWE-Tomtebo

CERTIFICATE OF ANALYSIS MS20204016

Sample Description	Method / Analyte / Units / LOD	ME-MS61 Co ppm 0.1	ME-MS61 Cr ppm 1	ME-MS61 Cs ppm 0.05	ME-MS61 Cu ppm 0.2	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
B441002		22.0	106	0.15	265	7.81	23.6	0.25	0.7	0.379	0.42	2.7	2.1	1.47	2240	0.46
B441003		13.2	111	0.53	691	12.25	52.2	0.39	0.7	0.064	2.22	1.6	5.6	3.09	4140	0.40
B441004		4.1	32	0.49	6.1	1.24	12.00	0.07	1.2	0.014	2.06	13.5	7.0	0.39	204	0.14
B441022		119.0	87	0.67	5160	25.9	41.4	0.74	0.4	0.137	2.19	4.9	9.8	2.34	3410	0.52
B441005		6.8	25	<0.05	>10000	2.24	1.36	0.09	<0.1	0.976	0.07	0.6	0.7	0.08	87	4.97
B441006		15.8	41	0.29	>10000	5.44	6.85	0.21	2.0	1.785	1.17	7.0	4.1	0.57	499	5.55
B441007		59.1	101	1.02	1100	11.30	29.6	0.85	0.8	0.578	2.23	3.1	23.5	4.17	4130	0.76
B441008		150.0	72	0.05	1330	8.55	16.30	0.24	0.4	2.33	0.02	1.0	0.9	2.51	6260	7.04
B441009		123.5	10	0.89	11.1	8.46	12.55	0.46	2.4	0.398	1.03	37.0	7.5	0.92	497	34.4
B441010		218	6	<0.05	392	25.6	11.10	0.14	1.0	0.888	0.01	2.5	0.5	0.18	3290	4.69
B441011		162.5	9	0.05	791	28.3	12.05	0.25	1.1	0.991	<0.01	85.2	0.3	0.68	4730	1.72
B441012		153.5	6	<0.05	744	24.8	9.89	0.49	0.7	0.779	0.01	7.3	0.5	0.34	6300	6.35
B441013		79.6	4	0.05	581	31.2	10.60	0.79	0.6	2.39	<0.01	3.4	0.3	0.35	3550	1.01
B441014		29.4	7	0.98	2300	31.0	10.75	0.76	1.0	0.754	0.57	21.3	1.3	0.29	3060	1.97
B441015		41.6	34	0.18	>10000	7.47	3.90	0.18	0.2	0.308	0.01	2.5	5.0	0.49	2220	4.70
B441016		2.8	17	0.11	>10000	12.25	17.10	0.29	1.0	9.05	0.78	2.6	6.0	2.18	659	48.3
B441017		163.0	15	0.42	4250	32.7	12.90	0.97	0.7	0.163	0.08	6.7	3.9	1.51	9680	12.65
B441018		116.5	6	0.88	8140	30.4	25.1	0.76	2.7	0.065	0.19	30.2	0.9	1.65	7310	1.77
B441019		31.0	7	0.76	>10000	18.75	17.55	0.44	1.4	0.098	0.30	17.5	0.8	0.66	17650	45.8
B441020		8.0	8	0.05	171.5	9.68	19.85	0.48	0.7	0.304	0.01	16.0	2.3	0.66	21600	13.85
B441021		237	4	0.07	6930	19.95	11.70	0.49	0.8	0.464	0.01	5.9	0.4	1.06	26900	137.5

Comments: Samples were received on 14/9-2020 and the SSF/Request on 14/9-2020.

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Page: 2 - C
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Plus Appendix Pages
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Account: SLADIS

Project: SWE-Tomtebo

CERTIFICATE OF ANALYSIS MS20204016

Sample Description	Method Analyte Units LOD	ME-MS61 Na % 0.01	ME-MS61 Nb ppm 0.1	ME-MS61 Ni ppm 0.2	ME-MS61 P ppm 10	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
B441002		0.33	1.2	33.6	750	58.0	10.8	0.003	0.15	0.92	37.5	1	13.9	354	0.33	0.06
B441003		1.01	1.4	7.8	470	136.5	94.5	0.003	0.83	0.38	44.7	11	1.1	205	0.25	0.54
B441004		2.32	2.4	12.2	180	10.3	68.2	<0.002	0.01	0.14	4.2	<1	0.4	236	0.23	<0.05
B441022		0.17	1.0	92.4	440	41.0	61.0	0.002	>10.0	0.30	27.9	28	3.3	64.7	0.19	17.00
B441005		0.01	0.2	16.8	20	19.2	1.7	0.004	1.61	0.20	0.4	10	1.5	0.9	<0.05	0.50
B441006		0.14	3.6	24.2	190	51.1	36.6	0.004	3.21	0.48	6.5	17	3.7	36.7	0.35	0.43
B441007		0.58	1.4	27.8	440	>10000	38.0	<0.002	5.32	0.61	31.2	268	1.2	40.5	0.22	0.40
B441008		0.05	0.8	119.0	400	7630	0.5	<0.002	4.69	1.17	24.1	11	31.7	144.5	0.15	0.25
B441009		1.15	5.8	14.9	70	50.4	87.1	0.003	2.14	7.75	3.7	49	8.2	79.0	0.63	0.07
B441010		0.01	2.9	52.7	200	18.3	0.4	0.014	>10.0	0.05	2.0	12	41.9	23.0	0.23	6.27
B441011		0.04	2.4	39.7	210	12.8	0.5	0.007	>10.0	0.36	3.1	9	35.2	44.1	0.23	28.7
B441012		0.02	1.4	41.3	290	9.0	0.5	0.017	>10.0	0.21	2.0	12	30.2	24.0	0.12	1.88
B441013		0.02	2.9	37.6	70	6.9	0.9	0.009	>10.0	0.18	1.3	13	131.5	2.3	0.17	0.70
B441014		0.13	2.7	11.5	120	26.8	35.7	0.005	>10.0	0.13	2.3	5	13.0	41.1	0.25	0.24
B441015		0.01	0.6	4.1	70	46.6	0.3	<0.002	5.77	1.39	1.8	9	0.7	26.9	0.07	0.78
B441016		0.48	0.5	17.0	390	931	9.3	0.011	>10.0	51.1	7.8	12	2.9	55.2	0.07	8.35
B441017		0.08	1.4	6.6	140	1410	1.5	<0.002	1.78	3.32	4.5	2	0.7	22.9	0.19	0.05
B441018		0.10	6.0	46.6	220	148.5	9.2	0.003	>10.0	4.08	9.1	2	1.7	42.5	0.65	0.19
B441019		0.06	3.2	7.3	270	>10000	15.1	0.003	>10.0	62.0	6.7	<1	3.8	11.3	0.29	<0.05
B441020		0.01	2.4	2.6	280	>10000	0.5	<0.002	0.80	2.37	2.2	30	1.7	275	0.12	2.91
B441021		0.04	1.5	4.7	200	>10000	0.2	<0.002	3.76	13.35	4.0	1	2.5	20.1	0.14	0.05

Comments: Samples were received on 14/9-2020 and the SSF/Request on 14/9-2020.

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

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To: **DISTRICT METALS AB**
C/O NORDFORS CONSULTING
SANKT ERIKSGATAN 117
113 43 STOCKHOLM

Page: 2 - D
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 30-SEP-2020
Account: SLADIS

Project: SWE-Tomtebo

CERTIFICATE OF ANALYSIS MS20204016

Sample Description	Method Analyte Units LOD	ME-MS61 Th ppm 0.01	ME-MS61 Ti % 0.005	ME-MS61 Tl ppm 0.02	ME-MS61 U ppm 0.1	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	Ag-OG62 Ag ppm 1	Cu-OG62 Cu % 0.001	Pb-OG62 Pb % 0.001	Zn-OG62 Zn % 0.001	S-IR08 S % 0.01
B441002		0.38	0.390	0.15	0.8	246	259	16.8	208	22.9					
B441003		0.98	0.446	0.74	0.5	229	223	3.3	476	24.9					
B441004		3.40	0.117	0.29	0.5	27	0.7	5.3	20	45.6					
B441022		0.97	0.280	0.87	0.6	166	4.7	6.3	303	14.3					12.30
B441005		0.12	0.006	0.31	0.5	5	0.4	0.4	525	1.2		1.215			
B441006		6.88	0.108	0.85	4.3	45	0.7	7.2	380	69.8		1.990			
B441007		1.14	0.335	7.93	0.6	196	11.0	7.4	>10000	26.2			1.460	8.65	
B441008		0.70	0.264	0.38	0.8	172	0.7	6.8	>10000	11.9				8.33	
B441009		17.30	0.051	0.49	4.4	7	97.4	8.9	223	83.8					
B441010		4.99	0.037	0.19	4.8	16	890	30.0	146	31.8					16.70
B441011		4.79	0.044	0.12	4.7	25	65.7	19.9	164	33.4					12.95
B441012		3.57	0.035	0.21	3.4	22	1540	47.1	89	19.5					12.35
B441013		2.03	0.021	0.28	2.5	8	3.7	44.1	166	18.7					15.00
B441014		4.76	0.022	0.45	3.2	6	67.8	39.5	231	32.5					18.90
B441015		0.70	0.045	0.12	0.3	18	1.8	3.5	4580	5.6		4.56			
B441016		0.21	0.039	2.29	4.0	39	0.8	6.7	>10000	29.0		1.895		4.51	15.85
B441017		1.54	0.059	0.18	0.4	25	9.3	8.8	5440	24.3					
B441018		8.97	0.094	0.44	4.1	33	126.5	31.9	185	91.0					16.55
B441019		3.36	0.145	0.39	1.7	43	6.0	11.1	>10000	51.0	176	1.655	6.34	21.4	17.80
B441020		1.63	0.074	<0.02	1.5	55	2.1	11.2	1710	25.7			4.94		
B441021		1.44	0.062	0.12	0.8	13	13.2	8.4	1800	30.4			1.545		

Comments: Samples were received on 14/9-2020 and the SSF/Request on 14/9-2020.

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C/O NORDFORS CONSULTING
SANKT ERIKSGATAN 117
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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 30-SEP-2020
Account: SLADIS

Project: SWE-Tomtebo

CERTIFICATE OF ANALYSIS MS20204016

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

REEs may not be totally soluble in this method.

Applies to Method: ME-MS61

ACCREDITATION COMMENTS

The methods immediately below this line are ISO 17025:2005 Accredited. INAB Registration No: 173T

Applies to Method:	Ag-OG62	Cu-OG62	ME-MS61	ME-OG62
	Pb-OG62	PGM-ICP23	S-IR08	Zn-OG62

LABORATORY ADDRESSES

Processed at ALS Loughrea located at Dublin Road, Loughrea, Co. Galway, Ireland.

Applies to Method:	Ag-OG62	Cu-OG62	ME-MS61	ME-OG62
	Pb-OG62	PGM-ICP23	S-IR08	Zn-OG62

Processed at ALS Mala located at Fabriksgatan 1, 930 70 Malå, Sweden.

Applies to Method:	CRU-31	CRU-QC	LOG-22	LOG-24
	PUL-31	PUL-QC	SPL-22Y	WEI-21

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Page: 1
Total # Pages: 2 (A - F)
Plus Appendix Pages
Finalized Date: 21-OCT-2020
Account: SLADIS

CERTIFICATE MS20217815

Project: SWE-Tomtebo

This report is for 35 Rock samples submitted to our lab in Mala, Sweden on 29-SEP-2020.

The following have access to data associated with this certificate:

GARRETT AINSWORTH	ANNA GALLAGHER	JOHANNES HOLZÄPFEL
ERIC JENSEN	DAVID MAHER	EURASIAN MINERALS
HEIN RAAT	SORIN TAMAS	EINAR VALTERSSON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-22Y	Split Sample - Boyd Rotary Splitter
PUL-31	Pulverize up to 250g 85% <75 um
LOG-24	Pulp Login - Rcd w/o Barcode
PUL-QC	Pulverizing QC Test
CRU-QC	Crushing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
C-IR07	Total Carbon (IR Spectroscopy)	LECO
S-IR08	Total Sulphur (IR Spectroscopy)	LECO
ME-MS81	Lithium Borate Fusion ICP-MS	ICP-MS
ME-MS42	Up to 34 elements by ICP-MS	ICP-MS
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
TOT-ICP06	Total Calculation for ICP06	
ME-4ACD81	Base Metals by 4-acid dig.	ICP-AES
Ag-OG62	Ore Grade Ag - Four Acid	
ME-OG62	Ore Grade Elements - Four Acid	ICP-AES
Cu-OG62	Ore Grade Cu - Four Acid	
Pb-OG62	Ore Grade Pb - Four Acid	
Zn-OG62	Ore Grade Zn - Four Acid	

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 *****

Comments: Samples were received on 29/9-2020 and the SSF/Request on 29/9-2020.

Signature: Andrey Tairov, Technical Manager, Ireland

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Page: 2 - A
Total # Pages: 2 (A - F)
Plus Appendix Pages
Finalized Date: 21-OCT-2020
Account: SLADIS

Project: SWE-Tomtebo

CERTIFICATE OF ANALYSIS MS20217815

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.002	ME-ICP06 TiO2 % 0.01	ME-ICP06 MnO % 0.01	ME-ICP06 P2O5 % 0.01	ME-ICP06 SrO % 0.01	ME-ICP06 BaO % 0.01	OA-GRA05 LOI % 0.01
B440034		0.28	76.5	13.60	0.91	0.98	0.34	3.31	5.11	<0.002	0.13	0.02	0.01	0.01	0.16	0.40
B440035		0.34	78.5	12.80	1.50	0.62	1.21	4.48	1.28	<0.002	0.14	0.03	0.01	<0.01	0.04	1.06
B440036		0.30	86.2	7.86	0.76	0.66	0.58	3.22	0.38	<0.002	0.09	0.01	0.02	<0.01	0.03	1.73
B440037		0.26	68.4	12.95	4.66	1.02	4.26	0.91	2.42	<0.002	0.30	0.09	0.06	<0.01	0.07	3.31
B440038		0.62	5.18	1.07	29.8	0.11	0.70	0.03	0.04	<0.002	0.02	0.09	0.02	<0.01	<0.01	13.90
B440039		0.32	63.3	12.00	5.75	2.94	7.21	0.36	2.31	<0.002	0.13	0.13	0.01	<0.01	0.04	5.62
B440040		0.28	77.9	10.65	3.33	0.66	1.30	0.22	2.82	<0.002	0.14	0.03	0.03	<0.01	0.03	2.43
B440041		0.54	73.3	11.60	6.66	0.14	2.70	0.26	2.92	<0.002	0.13	0.04	0.02	<0.01	0.07	3.10
B440042		0.60	54.2	3.66	19.40	0.07	2.14	0.04	0.72	<0.002	0.03	0.03	<0.01	<0.01	0.01	6.73
B440043		0.32	80.5	8.97	5.19	0.05	0.84	0.20	2.45	<0.002	0.11	0.02	0.01	<0.01	0.02	2.48
B440044		0.34	73.7	14.95	3.34	0.06	2.79	0.31	3.88	<0.002	0.17	0.03	0.04	<0.01	0.05	2.36
B440045		0.32	76.1	11.80	4.38	0.07	2.18	0.25	3.44	<0.002	0.13	0.03	0.01	<0.01	0.04	2.48
B440046		0.46	79.1	9.84	2.83	0.11	1.75	0.18	3.08	<0.002	0.17	0.03	0.03	<0.01	0.02	2.04
B440047		0.50	59.2	18.05	6.06	0.28	1.51	0.41	5.07	<0.002	0.31	0.03	0.09	<0.01	0.04	4.52
B440048		0.50	71.5	13.40	4.05	0.16	3.18	0.22	3.00	<0.002	0.24	0.06	0.05	<0.01	0.02	2.20
B440049		0.34	86.6	6.45	1.22	0.66	0.90	1.28	1.08	<0.002	0.09	0.02	0.01	<0.01	0.02	0.81
B440050		0.46	47.3	4.13	13.95	10.10	18.60	0.32	0.08	<0.002	0.07	0.54	0.02	<0.01	<0.01	4.85
B442301		0.20	77.9	11.50	5.68	0.18	2.07	0.24	2.56	<0.002	0.13	0.07	0.02	<0.01	0.04	1.36
B442302		0.24	73.4	13.30	1.85	0.30	1.30	1.17	5.95	<0.002	0.15	0.04	0.02	<0.01	0.18	1.54
B442303		0.16	69.9	12.30	3.78	0.77	5.33	2.61	3.34	<0.002	0.14	0.09	0.02	<0.01	0.08	1.40
B442304		0.16	75.9	12.45	1.22	0.48	0.88	3.56	3.92	<0.002	0.14	0.02	0.03	<0.01	0.20	0.68
B442305		0.06	34.5	12.45	35.5	5.47	1.35	0.96	3.25	0.006	0.27	0.44	1.18	<0.01	0.01	2.39
B442306		0.36	77.3	11.00	2.33	0.17	2.28	0.59	2.83	0.005	0.12	0.02	0.02	<0.01	0.05	1.94
B442307		0.40	76.9	11.80	1.47	0.14	0.50	0.79	6.78	<0.002	0.14	0.01	0.02	<0.01	0.31	1.13
B442308		0.44	76.3	9.38	10.85	0.04	3.01	0.10	2.29	0.002	0.11	0.04	0.02	<0.01	0.03	4.75
B442309		0.26	75.0	13.60	2.94	0.32	1.93	1.20	2.98	<0.002	0.15	0.02	0.02	<0.01	0.07	2.81
B442310		0.32	71.5	10.60	5.47	0.70	3.86	2.39	1.47	<0.002	0.13	0.05	0.02	<0.01	0.04	2.58
B442311		0.44	78.7	10.80	2.19	0.74	2.49	2.98	1.20	<0.002	0.12	0.03	0.03	<0.01	0.02	1.28
B442312		0.36	75.5	13.90	1.10	0.55	0.45	4.89	3.67	0.002	0.15	0.02	0.02	<0.01	0.15	0.47
B442313		0.36	80.5	11.10	1.38	0.80	1.26	1.77	2.26	<0.002	0.07	0.05	0.02	<0.01	0.10	1.22
B442314		0.46	66.9	13.10	5.84	3.16	2.31	3.15	1.01	<0.002	0.25	0.06	0.05	0.01	<0.01	2.20
B442315		0.86	65.7	4.63	16.35	0.57	2.90	0.10	0.20	0.002	0.15	0.07	0.03	<0.01	0.01	6.47
B442316		0.50	42.5	16.40	17.75	0.27	6.46	0.06	1.64	<0.002	0.18	0.10	0.02	<0.01	0.01	6.76
B442317		0.34	73.8	10.35	6.09	0.14	1.67	0.28	2.57	<0.002	0.12	0.04	0.02	<0.01	0.03	3.13
B442318		0.26	82.0	9.71	3.30	0.11	1.27	0.21	2.35	0.002	0.12	0.02	0.03	<0.01	0.02	1.94

Comments: Samples were received on 29/9-2020 and the SSF/Request on 29/9-2020.

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Page: 2 - B
Total # Pages: 2 (A - F)
Plus Appendix Pages
Finalized Date: 21-OCT-2020
Account: SLADIS

Project: SWE-Tomtebo

CERTIFICATE OF ANALYSIS MS20217815

Sample Description	Method Analyte Units LOD	TOT-ICP06 Total % 0.01	C-IR07 C % 0.01	S-IR08 S % 0.01	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.1	ME-MS81 Cr ppm 10	ME-MS81 Cs ppm 0.01	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.02	ME-MS81 Ga ppm 0.1	ME-MS81 Gd ppm 0.05	ME-MS81 Ge ppm 5	ME-MS81 Hf ppm 0.1	ME-MS81 Ho ppm 0.01
B440034		101.48	0.02	0.02	1480	70.5	10	0.38	6.55	4.09	0.94	13.6	6.85	<5	6.1	1.40
B440035		101.67	0.02	0.02	368	66.0	10	0.52	5.64	4.11	0.56	18.6	5.96	<5	5.4	1.22
B440036		101.54	<0.01	0.02	251	80.0	10	0.21	9.55	5.32	1.18	8.1	9.08	<5	3.5	1.97
B440037		98.45	<0.01	0.02	648	51.3	10	3.49	5.88	3.74	0.73	17.7	5.61	<5	5.2	1.21
B440038		50.96	0.01	33.2	9.7	5.1	10	0.09	0.52	0.29	0.12	4.3	0.68	<5	0.2	0.10
B440039		99.80	0.07	2.99	359	43.3	10	1.96	1.96	1.35	0.55	11.1	2.08	<5	3.2	0.40
B440040		99.54	0.15	0.43	304	28.4	10	0.46	1.72	1.03	0.30	10.7	1.56	<5	2.6	0.34
B440041		100.94	<0.01	1.73	642	41.4	10	1.18	1.74	1.05	0.47	11.4	2.00	<5	2.6	0.35
B440042		87.03	0.06	13.05	56.6	14.7	320	0.87	0.67	0.38	0.18	8.0	0.87	<5	0.7	0.13
B440043		100.84	<0.01	1.78	176.5	36.9	10	0.18	1.82	1.16	0.34	10.0	1.85	<5	2.1	0.35
B440044		101.68	0.01	0.35	443	41.0	10	0.71	2.08	1.33	0.61	13.5	2.14	<5	3.2	0.36
B440045		100.91	0.02	0.69	328	39.2	10	0.66	1.89	1.33	0.30	11.8	2.03	<5	2.9	0.42
B440046		99.18	0.01	0.92	163.0	53.0	10	0.66	5.08	3.25	0.93	15.5	4.86	<5	4.3	1.14
B440047		95.57	<0.01	3.67	357	98.0	10	0.50	10.30	6.79	1.88	25.0	10.80	<5	7.8	2.25
B440048		98.08	0.01	0.35	144.0	69.5	10	1.22	6.98	4.89	1.14	18.9	6.76	<5	6.0	1.48
B440049		99.14	<0.01	0.07	159.0	14.9	10	0.30	2.65	2.09	0.30	6.0	1.80	<5	2.5	0.61
B440050		99.96	0.01	4.62	3.2	14.8	10	0.21	2.41	1.80	0.87	6.6	2.37	<5	0.8	0.50
B442301		101.75	0.04	0.45	352	32.6	10	0.48	1.67	1.15	0.49	11.7	1.70	<5	2.9	0.37
B442302		99.20	0.01	0.02	1520	38.5	10	0.25	1.89	1.45	0.44	11.9	1.78	<5	3.2	0.39
B442303		99.76	0.03	0.01	716	37.7	10	0.96	1.90	1.40	0.32	13.1	1.57	<5	2.9	0.41
B442304		99.48	0.01	0.02	1740	32.9	10	0.12	1.85	1.26	0.34	8.4	1.76	<5	3.0	0.38
B442305		97.78	0.10	0.70	80.7	16.9	40	230	1.50	0.86	0.22	230	1.70	9	2.3	0.30
B442306		98.66	0.01	0.01	461	48.1	10	0.82	2.13	1.40	0.42	12.8	2.51	<5	2.8	0.46
B442307		99.99	<0.01	0.55	2820	36.4	10	0.26	1.78	1.19	0.42	9.7	1.84	<5	3.1	0.34
B442308		>102.00	0.02	4.63	218	29.2	20	0.84	1.69	1.14	0.24	10.4	1.65	<5	2.2	0.34
B442309		101.04	<0.01	0.71	656	33.3	10	0.96	2.22	1.57	0.30	15.4	1.79	<5	3.5	0.50
B442310		98.81	0.01	1.36	310	31.2	20	1.46	1.40	1.01	0.39	12.9	1.45	<5	2.9	0.28
B442311		100.58	<0.01	0.09	146.0	12.9	20	0.82	1.22	1.10	0.28	11.2	0.99	<5	2.6	0.30
B442312		100.87	0.01	0.02	1340	67.2	20	0.07	6.68	4.60	0.92	14.8	6.06	<5	6.2	1.43
B442313		100.53	0.01	0.01	929	47.8	10	0.82	4.10	2.03	0.49	15.9	4.56	<5	3.8	0.74
B442314		98.04	0.02	1.67	33.9	65.4	10	1.25	6.58	4.42	1.73	14.2	6.61	<5	6.0	1.29
B442315		97.18	0.03	7.73	89.3	18.4	20	0.49	1.45	0.93	0.35	6.7	1.57	<5	1.2	0.29
B442316		92.15	0.04	5.37	60.7	53.2	10	1.44	2.95	2.17	0.62	20.5	2.94	<5	4.2	0.64
B442317		98.24	0.02	1.83	229	31.0	10	0.46	1.81	1.37	0.41	12.7	1.73	<5	2.5	0.39
B442318		101.08	<0.01	1.00	156.5	33.1	10	0.34	1.36	0.99	0.31	10.6	1.64	<5	2.2	0.29

Comments: Samples were received on 29/9-2020 and the SSF/Request on 29/9-2020.

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

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To: **DISTRICT METALS AB**
C/O NORDFORS CONSULTING
SANKT ERIKSGATAN 117
113 43 STOCKHOLM

Page: 2 - C
Total # Pages: 2 (A - F)
Plus Appendix Pages
Finalized Date: 21-OCT-2020
Account: SLADIS

Project: SWE-Tomtebo

CERTIFICATE OF ANALYSIS MS20217815

Sample Description	Method / Analyte / Units / LOD	ME-MS81 La ppm 0.1	ME-MS81 Lu ppm 0.01	ME-MS81 Nb ppm 0.1	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.02	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tm ppm 0.01	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5
B440034		34.5	0.70	11.1	37.3	8.42	64.8	7.54	1	162.0	0.3	1.05	17.45	0.62	7.01	10
B440035		31.9	0.75	10.9	34.1	7.85	49.5	6.33	2	50.6	0.4	0.89	17.85	0.60	7.78	8
B440036		39.9	0.71	7.6	42.4	9.46	12.1	8.64	1	50.9	<0.1	1.45	13.55	0.71	5.09	8
B440037		25.0	0.65	9.4	27.9	6.29	112.0	5.73	5	100.5	0.2	0.86	14.20	0.56	5.44	18
B440038		2.9	0.03	0.6	2.4	0.61	1.9	0.54	4	2.1	0.5	0.09	0.91	0.04	1.39	9
B440039		25.4	0.28	4.8	15.8	4.86	84.7	2.56	1	35.0	1.0	0.30	15.10	0.20	5.56	8
B440040		16.4	0.22	5.5	10.6	3.08	71.3	1.80	3	10.5	0.8	0.24	12.65	0.17	6.47	20
B440041		23.1	0.18	5.8	15.1	4.48	70.3	2.53	8	20.7	0.9	0.29	14.85	0.16	5.19	9
B440042		8.8	0.06	1.5	5.5	1.67	27.7	1.09	17	11.4	0.2	0.13	3.31	0.06	1.73	<5
B440043		21.8	0.24	4.6	13.3	3.88	51.7	2.28	8	10.0	0.7	0.28	12.00	0.20	4.94	6
B440044		23.8	0.25	7.1	15.0	4.50	104.0	2.78	3	14.7	0.8	0.33	17.75	0.21	7.70	11
B440045		22.0	0.25	5.7	14.0	4.09	103.5	2.47	5	5.5	0.7	0.30	13.45	0.20	7.15	9
B440046		26.3	0.58	7.8	28.4	6.27	96.5	5.29	4	4.8	0.2	0.82	12.80	0.45	5.14	6
B440047		48.4	1.10	15.2	50.8	11.70	126.0	10.50	6	9.8	0.7	1.67	23.5	1.03	11.85	8
B440048		33.9	0.79	11.0	34.6	8.80	114.5	7.55	3	8.5	0.7	1.02	14.85	0.72	7.43	6
B440049		7.2	0.31	4.9	7.5	1.90	33.9	1.57	1	34.2	0.3	0.33	7.02	0.30	3.13	5
B440050		5.1	0.30	0.8	10.5	2.37	2.7	2.49	8	2.4	<0.1	0.36	3.18	0.26	2.89	50
B442301		18.6	0.25	5.2	11.8	3.51	87.5	2.11	8	6.4	0.5	0.25	13.70	0.21	6.94	8
B442302		22.0	0.28	6.0	13.7	4.16	97.5	2.40	3	49.6	0.6	0.27	17.25	0.22	8.52	8
B442303		21.6	0.27	6.4	12.8	4.00	110.5	2.06	2	84.7	0.6	0.28	15.60	0.20	6.81	9
B442304		18.5	0.25	5.6	12.0	3.50	63.6	1.98	1	60.2	0.4	0.28	15.30	0.20	6.89	6
B442305		9.0	0.09	18.2	10.4	2.47	942	2.05	193	112.5	0.2	0.24	5.01	0.11	7.89	62
B442306		28.6	0.25	5.2	18.2	4.96	92.1	2.84	5	17.4	<0.1	0.38	16.80	0.22	5.60	9
B442307		22.1	0.23	5.2	14.2	3.66	108.0	2.39	2	75.2	<0.1	0.28	16.55	0.15	6.99	10
B442308		16.4	0.20	4.3	10.7	3.17	75.8	1.94	3	5.1	0.3	0.26	11.50	0.17	5.30	9
B442309		18.9	0.30	6.2	13.2	3.44	72.5	2.22	7	37.6	0.1	0.31	22.2	0.25	7.78	12
B442310		17.4	0.23	5.2	10.9	3.41	56.3	1.82	4	67.3	0.4	0.19	13.25	0.15	6.38	9
B442311		7.4	0.24	4.7	5.0	1.46	43.7	0.96	3	74.6	0.3	0.17	14.50	0.19	5.69	9
B442312		33.2	0.81	12.0	32.4	8.47	83.4	6.78	2	96.6	0.6	0.96	15.15	0.71	7.87	5
B442313		20.9	0.30	15.4	25.2	6.46	80.8	5.73	3	40.3	1.2	0.65	13.15	0.29	4.90	6
B442314		31.4	0.77	9.1	33.5	8.25	44.6	6.92	1	183.5	0.5	0.95	14.05	0.64	6.25	41
B442315		9.3	0.14	3.3	8.9	2.27	9.3	1.68	7	54.9	<0.1	0.22	3.40	0.14	1.95	22
B442316		30.9	0.42	10.9	20.0	5.81	62.4	3.49	7	7.0	0.6	0.44	20.3	0.32	9.92	7
B442317		17.3	0.29	5.3	10.9	3.12	70.5	2.04	10	13.2	0.2	0.25	13.75	0.20	7.34	8
B442318		20.0	0.19	4.5	11.3	3.40	54.1	1.98	4	7.1	0.3	0.26	12.85	0.14	5.43	6

Comments: Samples were received on 29/9-2020 and the SSF/Request on 29/9-2020.

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Page: 2 - D
Total # Pages: 2 (A - F)
Plus Appendix Pages
Finalized Date: 21-OCT-2020
Account: SLADIS

Project: SWE-Tomtebo

CERTIFICATE OF ANALYSIS MS20217815

Sample Description	Method / Analyte / Units / LOD	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.1	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 2	ME-MS42 As ppm 0.1	ME-MS42 Bi ppm 0.01	ME-MS42 Hg ppm 0.005	ME-MS42 In ppm 0.005	ME-MS42 Re ppm 0.001	ME-MS42 Sb ppm 0.05	ME-MS42 Se ppm 0.2	ME-MS42 Te ppm 0.01	ME-MS42 Tl ppm 0.02	ME-4ACD81 Ag ppm 0.5	ME-4ACD81 Cd ppm 0.5
B440034		<1	38.4	4.57	211	2.2	0.08	0.006	0.009	0.001	0.29	<0.2	<0.01	0.07	<0.5	<0.5
B440035		1	34.7	4.64	179	0.2	0.93	0.005	0.010	0.001	0.05	<0.2	0.01	0.35	<0.5	<0.5
B440036		<1	51.0	4.78	113	0.3	0.06	0.008	<0.005	0.001	0.08	<0.2	0.01	0.16	<0.5	<0.5
B440037		<1	35.9	3.86	184	0.2	0.03	0.009	0.055	0.001	0.17	<0.2	0.01	1.36	<0.5	<0.5
B440038		2	3.0	0.25	13	2.0	146.0	2.17	9.21	0.001	57.8	2.3	0.42	1.24	>100	630
B440039		2	11.5	1.55	113	5.8	0.19	0.017	0.012	0.002	0.28	<0.2	<0.01	1.24	<0.5	<0.5
B440040		5	10.3	1.33	97	1.8	0.87	0.011	0.016	0.001	0.14	<0.2	<0.01	0.19	<0.5	0.5
B440041		8	10.1	1.22	98	1.8	1.68	0.007	0.110	<0.001	0.06	1.2	0.03	0.38	0.6	<0.5
B440042		2	3.3	0.34	26	2.0	65.2	0.043	5.77	0.001	0.11	16.5	0.20	0.81	32.8	9.8
B440043		8	10.1	1.42	81	3.7	10.25	0.005	0.048	0.001	0.09	1.3	0.01	0.10	2.2	0.6
B440044		7	11.4	1.45	120	0.4	9.32	0.016	0.082	<0.001	0.12	0.6	0.01	0.54	2.9	13.4
B440045		8	11.8	1.68	108	0.1	0.49	0.006	0.010	<0.001	<0.05	1.1	0.03	0.27	<0.5	<0.5
B440046		7	29.0	3.37	148	0.2	0.15	0.141	0.924	<0.001	0.36	<0.2	<0.01	0.89	0.5	22.8
B440047		17	63.8	6.92	268	1.4	1.85	0.354	0.178	<0.001	8.70	0.4	0.04	0.43	15.6	67.9
B440048		5	41.0	5.12	208	0.4	0.27	0.017	0.032	<0.001	0.99	<0.2	0.01	1.62	2.0	0.8
B440049		3	16.3	2.26	87	0.2	0.02	0.008	0.005	<0.001	0.14	<0.2	0.01	0.46	0.5	<0.5
B440050		1	16.3	1.96	33	1.2	2.59	0.017	0.017	0.001	0.11	0.4	0.08	1.55	3.7	2.3
B442301		5	10.4	1.40	100	0.5	0.65	0.008	0.037	<0.001	0.06	<0.2	0.01	0.62	<0.5	<0.5
B442302		5	12.2	1.77	119	0.1	0.02	0.010	<0.005	<0.001	0.12	<0.2	<0.01	0.09	<0.5	<0.5
B442303		3	12.3	1.67	111	0.1	0.05	0.008	0.024	<0.001	0.05	0.2	0.01	0.79	<0.5	<0.5
B442304		<1	11.0	1.57	113	<0.1	0.04	0.007	<0.005	<0.001	<0.05	<0.2	<0.01	0.05	<0.5	<0.5
B442305		>10000	8.3	0.65	88	5.0	6.88	0.262	0.655	0.036	0.28	4.3	0.32	5.17	<0.5	<0.5
B442306		3	13.2	1.51	98	0.2	0.59	0.006	0.009	<0.001	<0.05	<0.2	<0.01	0.25	<0.5	<0.5
B442307		7	10.2	1.31	108	1.8	18.85	0.007	0.005	<0.001	0.07	<0.2	<0.01	0.09	<0.5	<0.5
B442308		11	9.5	1.20	83	53.4	6.91	0.020	0.048	0.001	0.42	1.8	0.03	0.44	0.6	<0.5
B442309		9	15.1	2.07	121	13.4	1.03	0.008	0.018	<0.001	0.05	0.5	<0.01	0.10	<0.5	<0.5
B442310		5	9.1	1.32	102	0.2	1.44	<0.005	0.051	0.001	<0.05	1.6	0.02	0.30	<0.5	<0.5
B442311		5	8.8	1.42	101	0.1	0.17	<0.005	0.016	<0.001	<0.05	<0.2	<0.01	0.20	<0.5	<0.5
B442312		5	37.9	5.09	235	0.3	0.03	<0.005	0.009	0.001	0.10	<0.2	<0.01	0.03	<0.5	<0.5
B442313		10	16.4	1.99	93	<0.1	0.02	<0.005	0.010	<0.001	0.06	<0.2	<0.01	0.74	<0.5	<0.5
B442314		5	37.8	4.63	206	1.1	0.13	0.010	0.024	0.001	0.20	<0.2	0.01	2.14	3.4	<0.5
B442315		9	7.6	0.87	47	7.2	3.57	0.305	0.151	0.004	4.28	1.7	0.05	1.10	9.1	16.2
B442316		2	17.3	2.53	152	10.4	8.74	0.127	0.265	0.001	0.96	4.8	0.06	2.84	6.4	5.4
B442317		9	11.7	1.48	99	2.6	0.85	0.022	0.288	<0.001	0.41	0.4	0.01	0.45	2.8	0.6
B442318		5	9.0	1.17	76	11.1	0.12	0.007	0.013	<0.001	0.15	0.2	<0.01	0.79	<0.5	<0.5

Comments: Samples were received on 29/9-2020 and the SSF/Request on 29/9-2020.

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Page: 2 - E
Total # Pages: 2 (A - F)
Plus Appendix Pages
Finalized Date: 21-OCT-2020
Account: SLADIS

Project: SWE-Tomtebo

CERTIFICATE OF ANALYSIS MS20217815

Sample Description	Method Analyte Units LOD	ME-4ACD81 Co ppm 1	ME-4ACD81 Cu ppm 1	ME-4ACD81 Li ppm 10	ME-4ACD81 Mo ppm 1	ME-4ACD81 Ni ppm 1	ME-4ACD81 Pb ppm 2	ME-4ACD81 Sc ppm 1	ME-4ACD81 Zn ppm 2	PUL-QC Pass75um % 0.01	CRU-QC Pass2mm % 0.01	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	Ag-OG62 Ag ppm 1	Cu-OG62 Cu % 0.001
B440034		<1	3	<10	<1	<1	69	4	24	98.0	80.0	0.001	<0.005	<0.001		
B440035		<1	2	<10	12	<1	49	5	71			<0.001	<0.005	<0.001		
B440036		<1	1	<10	1	<1	31	3	14			0.001	<0.005	0.001		
B440037		2	1	10	3	<1	162	9	343			0.001	<0.005	<0.001		
B440038		<1	2080	<10	10	59	>10000	<1	>10000			0.349	<0.005	<0.001	174	
B440039		4	2	20	10	4	90	2	159			0.007	<0.005	<0.001		
B440040		1	28	<10	1	<1	100	3	186			0.002	<0.005	<0.001		
B440041		9	969	10	1	<1	12	2	63			0.020	<0.005	0.001		
B440042		28	>10000	<10	2	<1	14	1	584			2.08	<0.005	<0.001		8.28
B440043		21	871	<10	6	2	116	2	100			0.011	<0.005	<0.001		
B440044		<1	133	10	<1	<1	634	3	4470	92.8	83.5	0.010	<0.005	<0.001		
B440045		2	96	10	1	<1	11	2	46			0.001	<0.005	<0.001		
B440046		<1	250	<10	4	<1	171	5	6740			0.008	<0.005	<0.001		
B440047		3	399	<10	1	<1	9230	8	>10000			0.092	<0.005	<0.001		
B440048		<1	23	10	14	<1	707	6	3340			0.008	<0.005	<0.001		
B440049		<1	7	<10	1	2	242	3	132			0.001	<0.005	<0.001		
B440050		<1	854	<10	5	30	33	2	708			0.017	<0.005	0.001		
B442301		2	250	10	1	<1	89	2	104			0.001	<0.005	<0.001		
B442302		<1	7	<10	3	<1	819	3	141			<0.001	<0.005	<0.001		
B442303		<1	2	10	1	1	16	3	88			<0.001	<0.005	<0.001		
B442304		<1	3	<10	1	<1	9	2	24	99.6	88.0	0.001	<0.005	0.001		
B442305		29	4940	120	248	18	14	7	355			1.070	<0.005	0.018		
B442306		<1	4	10	1	<1	11	2	46			0.002	<0.005	<0.001		
B442307		4	14	<10	2	<1	51	2	18			<0.001	<0.005	0.001		
B442308		22	933	10	4	<1	12	2	57			0.030	<0.005	<0.001		
B442309		8	6	10	1	<1	28	3	29			0.004	<0.005	<0.001		
B442310		10	967	10	5	<1	28	2	47			0.006	<0.005	<0.001		
B442311		1	36	10	2	<1	12	2	37			0.001	<0.005	<0.001		
B442312		<1	2	<10	2	<1	7	4	20			0.001	<0.005	<0.001		
B442313		<1	1	<10	2	1	121	5	41			<0.001	<0.005	<0.001		
B442314		9	49	<10	1	<1	157	8	89	89.6	89.2	0.010	<0.005	0.001		
B442315		6	440	10	14	3	5800	4	5120			0.086	<0.005	<0.001		
B442316		12	971	20	7	2	1360	3	>10000			0.076	<0.005	0.001		
B442317		6	797	<10	1	<1	230	2	862			0.045	<0.005	<0.001		
B442318		1	50	<10	1	<1	105	2	174			0.003	<0.005	<0.001		

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CERTIFICATE OF ANALYSIS MS20217815

Sample Description	Method Analyte Units LOD	Pb-OG62 Pb % 0.001	Zn-OG62 Zn % 0.001
B440034			
B440035			
B440036			
B440037			
B440038		5.22	19.10
B440039			
B440040			
B440041			
B440042			
B440043			
B440044			
B440045			
B440046			
B440047			2.71
B440048			
B440049			
B440050			
B442301			
B442302			
B442303			
B442304			
B442305			
B442306			
B442307			
B442308			
B442309			
B442310			
B442311			
B442312			
B442313			
B442314			
B442315			
B442316			3.24
B442317			
B442318			

Comments: Samples were received on 29/9-2020 and the SSF/Request on 29/9-2020.

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

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SE-943 36, Ojebyn
Phone: +46 911 65 800 Fax: +46 911 60 085
www.alsglobal.com/geochemistry

An INAB accredited testing laboratory Reg. No. 173T. Accredited methods are listed in the Scope of Accreditation available on request.

To: **DISTRICT METALS AB**
C/O NORDFORS CONSULTING
SANKT ERIKSGATAN 117
113 43 STOCKHOLM

Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 21-OCT-2020
Account: SLADIS

Project: SWE-Tomtebo

CERTIFICATE OF ANALYSIS MS20217815

CERTIFICATE COMMENTS

ACCREDITATION COMMENTS

The methods immediately below this line are ISO 17025:2005 Accredited. INAB Registration No: 173T

Applies to Method:	Ag-OG62	C-IR07	Cu-OG62	ME-ICP06
	ME-MS81	ME-OG62	OA-GRA05	Pb-OG62
	PGM-ICP23	S-IR08	Zn-OG62	

LABORATORY ADDRESSES

Processed at ALS Loughrea located at Dublin Road, Loughrea, Co. Galway, Ireland.

Applies to Method:	Ag-OG62	C-IR07	Cu-OG62	ME-4ACD81
	ME-ICP06	ME-MS42	ME-MS81	ME-OG62
	OA-GRA05	Pb-OG62	PGM-ICP23	S-IR08
	TOT-ICP06	Zn-OG62		

Processed at ALS Mala located at Fabriksgatan 1, 930 70 Malå, Sweden.

Applies to Method:	CRU-31	CRU-QC	LOG-22	LOG-24
	PUL-31	PUL-QC	SPL-22Y	WEI-21