

We are committed to providing [accessible customer service](#).
If you need accessible formats or communications supports, please [contact us](#).

Nous tenons à améliorer [l'accessibilité des services à la clientèle](#).
Si vous avez besoin de formats accessibles ou d'aide à la communication, veuillez [nous contacter](#).



Osisko Mining Inc.

Assessment Report

Unpatented Mining Claims

4227731, 4244883, 4244884, 4247729, 4250562, 4244889
4240365, 4240364, 4240358, and 4227730

Holloway Township

Larder Lake Mining Division

Mobile Metal Ions Process Geochemical Survey

October, 2017

Brian Madill

TABLE OF CONTENTS

	Page
Introduction	1
Location and Access.....	2
Property Description	3, 4
Previous Work.....	4
Regional Geology	4,5
Property Geology	5
Soil Sampling Procedure	6
Assay Method	6, 7
MMI Theory	7,8
Results	8,9
Conclusions and Recommendations	9
References	10
Certificate of Qualification	11

FIGURES

Figure 1 Claim Map

Figure 2 Location Map

Figure 3 Regional Geology

Figure 4 MMI Theory

APPENDIX

Soil Sample Index

Assay Certificates

SOIL SAMPLING PLANS

Sample Location Plan

(**Ag** Plan Map)

(**As** Plan Map)

(**Au** Plan Map)

(**Cu** Plan Map)

(**K** Plan Map)

(**Pb** Plan Map)

(**Pd** Plan Map)

(**Zn** Plan Map)

Introduction:

Between September and September of 2017, Osisko Mining Inc. conducted a geochemical soil sampling survey program on the 100% owned Holloway Tailings Property. The Holloway Tailings property located in Holloway Township is subdivided into two claim blocks totalling 11 units. The North block, consist of 6 single unit unpatented and contiguous mining claims. The South block, consist of 4 unpatented and contiguous claims totalling 5 units. (See Figure 1- Claim Map)

The claims are described as follows:

	<u>Claim No.</u>	<u>No. of Units</u>	<u>No. of Hectares</u>
North Block:	4227731	1	13.12
	4244883	1	10.05
	4244884	1	13.90
	4244889	1	9.26
	4247729	1	16.49
	4250562	1	16.28
South Block:	4240365	1	16.91
	4240364	1	22.21
	4240358	1	35.02
	4227730	2	22.41
TOTAL:		11	175.65

The purpose of the survey was to uncover any possible anomalous precious or base metal geochemical signatures that may be associated with ore deposits. A total of 282 samples were collected, 163 on the North Block and 119 on the South Block. The samples were sent to SGS Mineral Services in Burnaby, BC, for geochemical analysis.

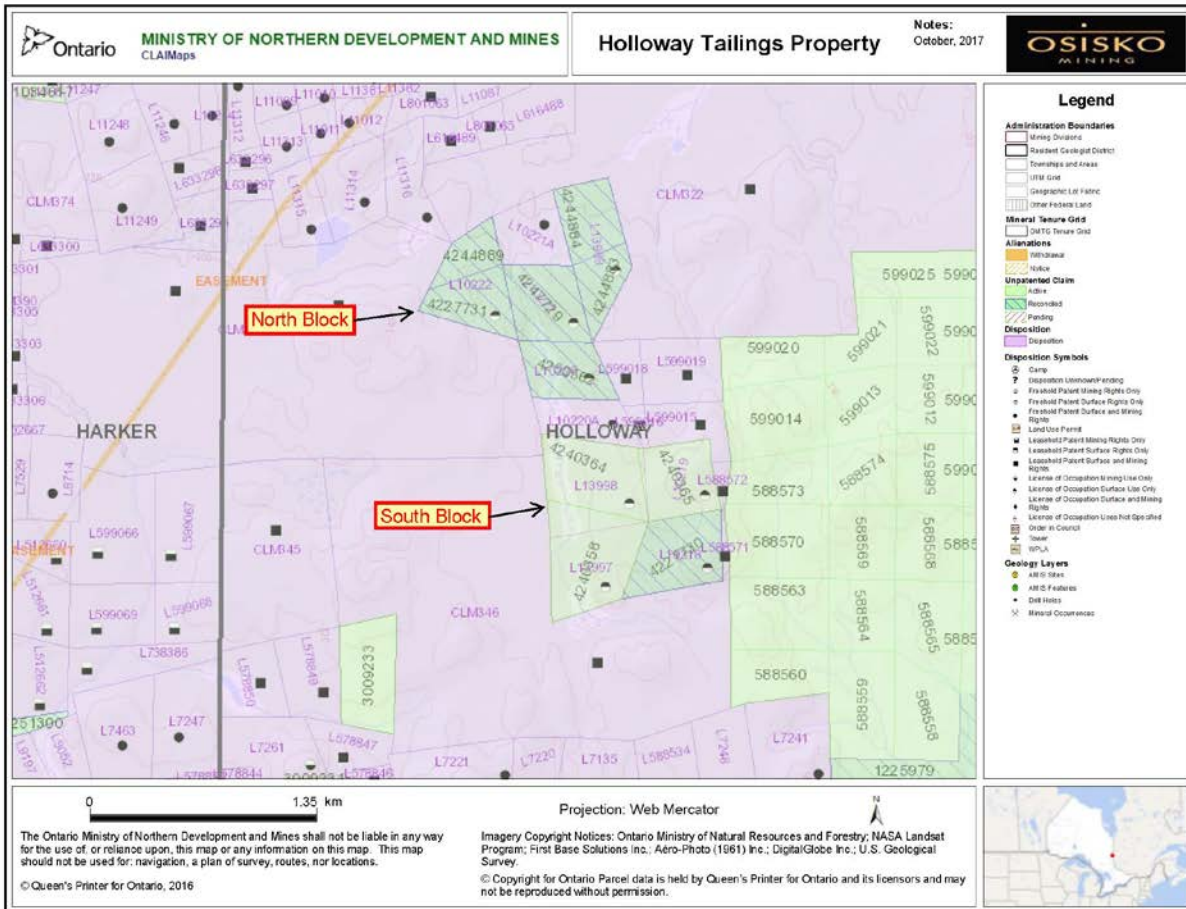


Figure 1: Claim Map (Ater MNDM ClaimMaps)

Location and Access:

The Holloway Tailings Property is located approximately 70km to the NNE of the town of Kirkland Lake, and 60 km E of the town of Matheson in the Larder Lake Mining Division, District of Cochrane of northeastern Ontario (Madill, B. 2012).

The property is easily accessible by the St. Andrews Goldfields Ltd. Holt mine road from highway 101, which passes approximately 1.5 km north of property. Following this well maintained gravel road approximately for 2.5 km gains access to both claim blocks of the property. Since the access road transects Holt Mine property, pre- authorization and permission request is required by St. Andrews Goldfields Ltd. (See Figure 2-Location Map)

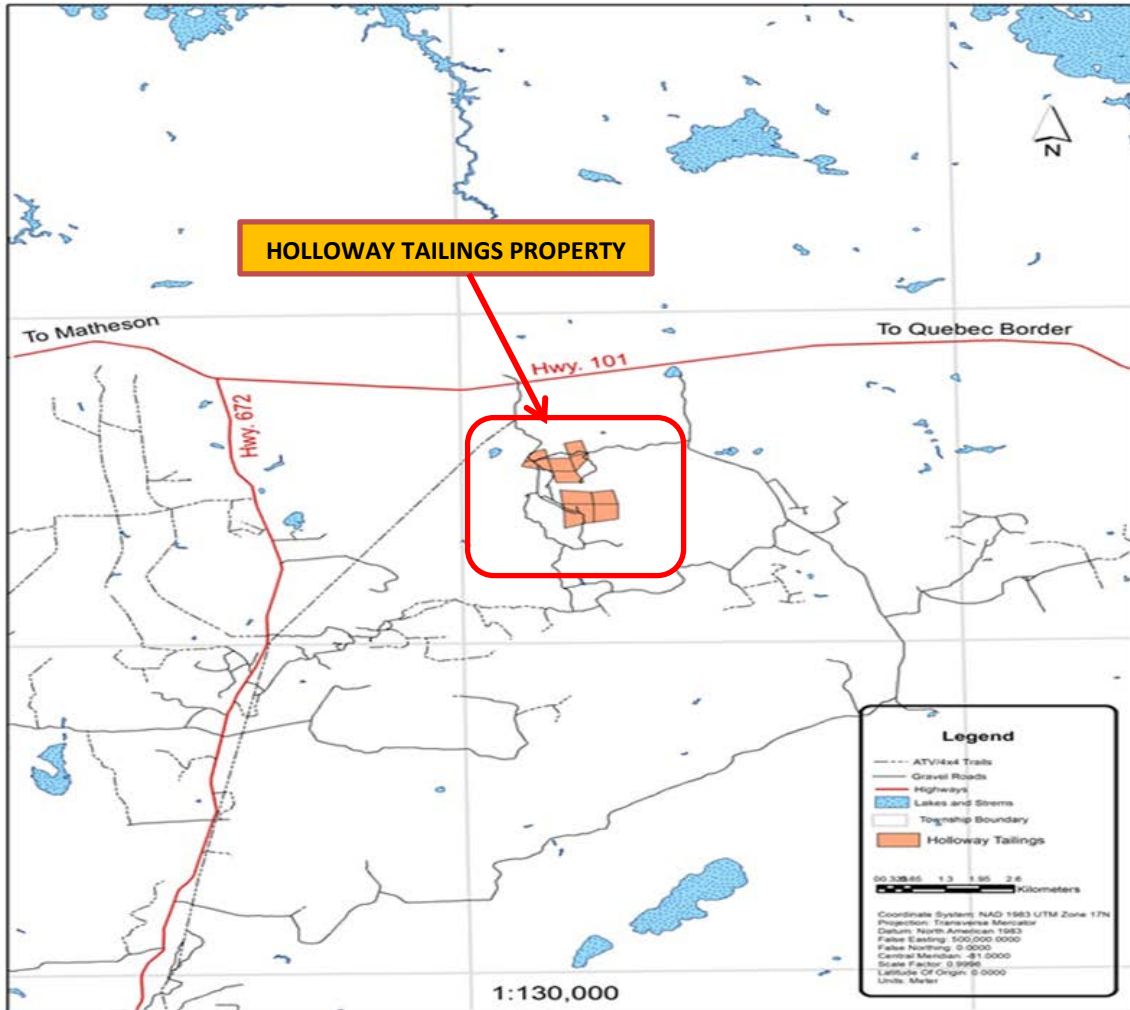


Figure 2: Location Map

Property Description:

The Holloway Tailings property lies within the central Canadian Shield of the western Abitibi sub-province of which is primarily covered by boreal forest, swamps and lakes. The vegetation consists of balsam, poplar, and spruce with thick tag alder undergrowth. Thick moss is found covering the abundant rock exposures. The southwestern portion of claim 4244883, southern portion of claim 4247729 and all of claim 4250565 of the North block are covered by mine tailings deposited by the Holt mine operations. In the South block the western portions of claims 4240364 and 4240358 are also covered by mine tailings.

The climatic conditions are typical for this region of northeastern Ontario with short mild summers and cold winters lasting from late October to mid to late March. The average means

temperatures range from -17 degrees in January to 18 degrees in July. The average precipitation is from 812mm to 876mm

Previous Work:

The only evidence of work carried out on the property prior to 1982 is mapping conducted by the OGS (Satterly, J. 1952). Work on the Holloway Tailings property since is described as follows:

Year	Company Name	Type of Work	MNDM File No./ AFRI No.
1952	O.G.S.	Geological Mapping	ARV62-07
1982	Canadian Nickel Co.	AEM-VLF and Mag	32D12E0038
1984	Ontario Ministry of Development and Mines	Airborne Input Survey	Not Avail.
2011	Dunstan and O'Connor	Prospecting and Sampling	KL-6505
2011	Dunstan and O'Connor	Total field magnetometer	KL-6718
2011	Dunstan and O'Connor	VLF-EM and Total field mag	KL-650
2012	Dunstan and O'Connor	VLF-EM and Total field mag	KL-6651
2012	Dunstan and O'Connor	VLF-EM and Total field mag	KL-6718
2014	Northern Gold Mining Inc	Prospecting	KL-6936
2015	Northern Gold Mining Inc	Geological	KL-7034

Regional Geology:

The Holloway Tailings property is located in the Abitibi greenstone belt, an 800 km long and 240 km wide suite of Archean volcanic rocks stretching from Chibougamau, Quebec to west of Timmins, Ontario along the Destor-Porcupine fault system.

The property lies within the northern limb of an east-west trending Blake River synclinorium. Contained within the northern limb are 4 major volcanic events, the Larder Lake Group of komatitic lavas, the Kinojevis Group of tholeiitic basalts, and the Blake River Group of calc-alkalic rocks and the Temiskaming Group of alkalic volcanic rocks. Within these volcanic suites sedimentary assemblages of Temiskaming age were deposited, these sediments are comprised

of shales, argillites and cherts. The youngest geological events are the numerous intrusive sills, dykes, and stocks of felsic and mafic composition found throughout the region. (See Figure 3)

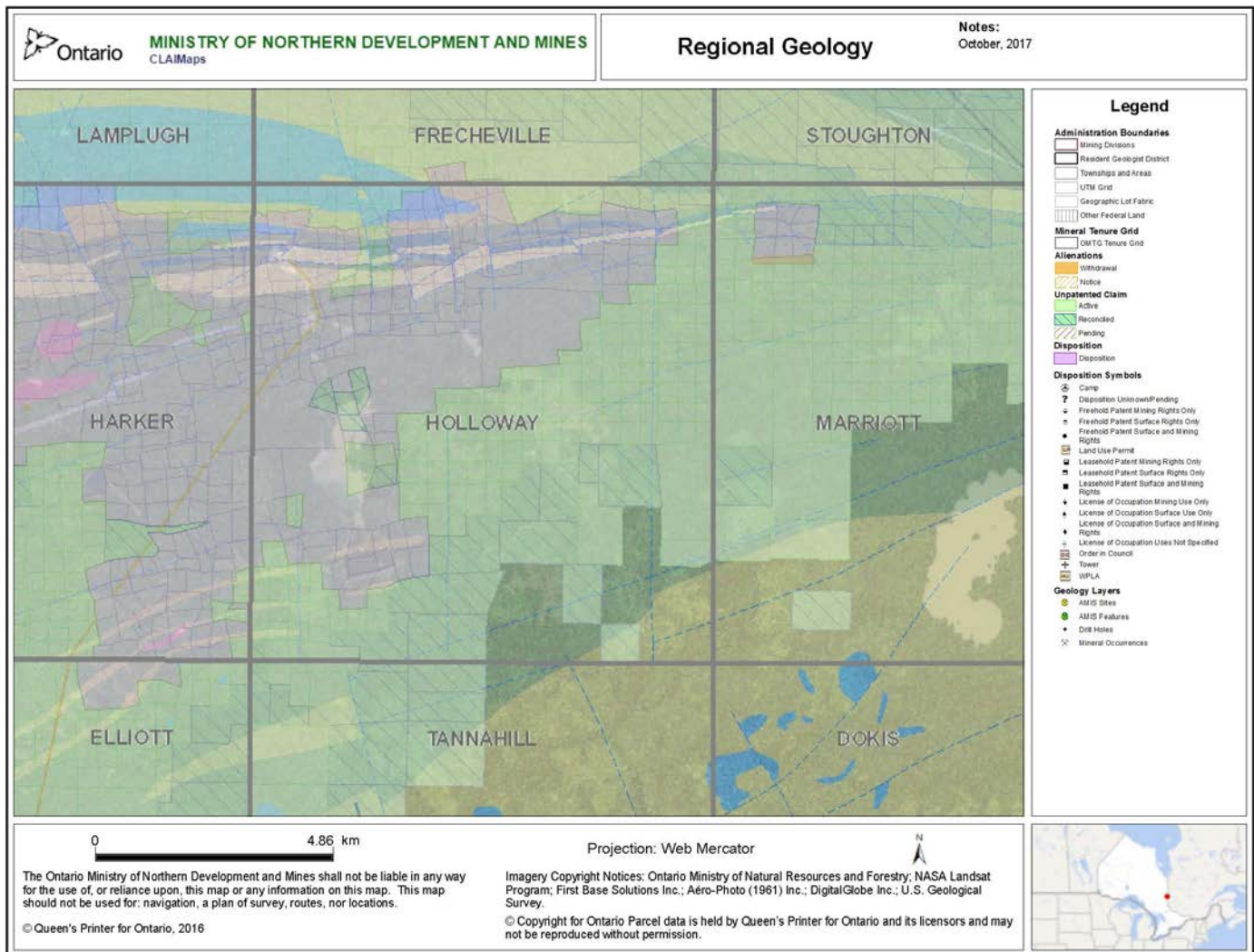


Figure 3: Regional Geology (Ater MNDM ClaimMaps)

Property Geology:

On the Holloway Tailings property, the geology consists mainly of generally NE trending and steeply south dipping mafic flows of the Kinojevis Group. The volcanic composition consists of Fe-Mg Tholeiite, basalt, andesite, dacite, rhyolitic flows and tuffs. There is no evidence property wide of the deposition of Temiskaming sediments, however an ENE trending gabbroitic dyke was observed cutting the hosting andesite outcrop on claim 4244889.

Sample Procedure:

A virtual line grid was planned using ArcGIS software having 11 lines on the North Block and 6 lines on the South Block spaced at 100m, and stations were allocated for every 50m intervals along each N-S line for a total of 8.2km. UTM coordinates were derived for each station and two personnel (Dave Eves and Lisa Lang) were outfitted with maps depicting the stations, and a Garmin EXPLORIST GPS per man in order to locate the stations.

Samples were taken using a steel garden spade, and placed into 6mil poly bags that were labelled with the corresponding station designation. These bags were then placed into a larger 6 mil poly bag in order to separate the samples by line, and to facilitate easy handling. Each sample was given a quick written description including: depth of sample, sample name, soil type, soil condition, and local dendrology.

The following is an excerpt from the MMI Soil Sampling Guide, by SGS Labs, in regards to sampling in Boreal Climactic Zones:

- *Scrape away any loose non-decomposed matter, debris, and any possible cultural contamination.*
- *Dig a small pit to penetrate the organic material that still has structure (i.e. decomposing leaves, bark, twigs and peat).*
- *Identify where the organics begin to decompose and you start to see soil formation. This is the true interface (organic / inorganic) at which to begin your measurements.*
- *Collect the sample between 10 and 25 cm below this interface. The sample should be a continuous composite taken from the 15 cm interval.*
- *Using a plastic scoop take a cross section of the material between the 10 to 25 cm depth and put into clean, properly labelled plastic bags. Collect approx. 250 to 350 grams of material.*
- *Samples were counted and logged by the author upon receipt, then placed into boxes for shipping to SGS Labs.*

Assay Method:

Samples were sent to SGS Labs for Mobile Metal Ion detection assays using the MMI-M package to take advantage of the flexible multi-element assay (8) option with lower detection limits, at a reasonable cost. We will test for Gold(Au), Silver(Ag), Copper(Cu), Arsenic(As), Zinc(Zn), Lead(Pb), Platinum(Pd), and Potassium(K).

MMI Theory:

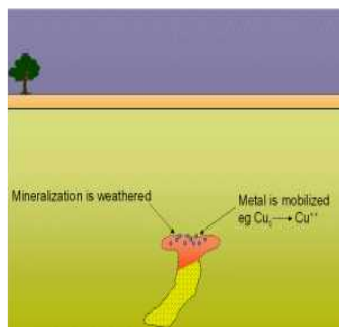
The theory given below was taken from the SGS Labs - Geochem Analysis 2012 Brochure: *MMI® Technology is an innovative analytical process that uses a unique approach to the analysis of metals in soils and weathered materials.*

Target elements are extracted using weak solutions of organic and inorganic compounds rather than conventional aggressive acid or cyanide- based digests. MMI® solutions contain strong ligands, which detach and hold in solution the metal ions that were loosely bound to soil particles by weak atomic forces. The extraction does not dissolve the bound forms of the metal ions. Thus, the metal ions in the MMI solutions are the chemically active or 'mobile' component of the sample. Because these mobile, loosely bound complexes are in very low concentrations, measurement is by conventional ICP-MS and the latest evolution of this technology, ICP-MS Dynamic Reaction Cell™ (DRC II™). (See Figure 4)

The MMI Theory - What is MMI Geochemistry

Mobile Metal Ions is a term used to describe ions which have moved in the weathering zone and that are only weakly or loosely attached to surface soil particles. It is a widely held belief that these Mobile Metal Ions are transported from deeply-buried ore bodies to the surface. Scientists from around the world have been studying this phenomenon for many years.

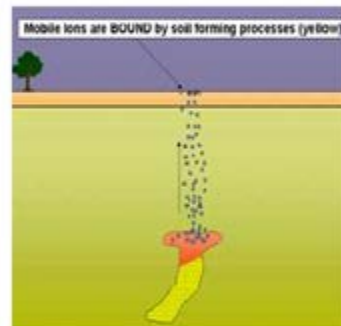
No-one is completely clear on exactly how the metal ions migrate to the surface. However, research and case studies over known ore-bodies have shown that mobile metal ions accumulate in surface soils above mineralization, indicating that the metals are derived from the mineralization source. The diagram below demonstrates a hypothetical model by which mobile ions are released from ore bodies, migrate vertically and accumulate in surface soils.



As the ions reach the surface, they attach themselves weakly to the soil particles. These are the ions that are measured by the MMI Technique to find mineralization at depths. The weakly attached ions are at very low concentrations. Because the ions have recently arrived to the surface they provide a precise 'signal' on where the ore-bodies are.

When the mobile metal ions have arrived at the surface they have a limited lifetime as 'mobile' ions. At the surface the ions are subject to weathering and are bound up by soil forming processes (i.e. they become part of the soil). The diagram below demonstrates this process. Note that bound ions (yellow) are subject to lateral movement away from the mineralization. The mobile ions (blue), however, do not move away from the source (mineralization) because they have a limited lifetime before they are

When the mobile metal ions have arrived at the surface they have a limited lifetime as 'mobile' ions. At the surface the ions are subject to weathering and are bound up by soil forming processes (i.e. they become part of the soil). The diagram below demonstrates this process. Note that bound ions (yellow) are subject to lateral movement away from the mineralization. The mobile ions (blue), however, do not move away from the source (mineralization) because they have a limited lifetime before they are converted to a bound form.



By only measuring the mobile metal ions in the surface soils, MMI Geochemistry will produce very sharp responses (anomalies) directly over the source of mobile ions. This source is ore-bodies at depth, which emit metal ions, which make up that ore-body. For example a Cu, Pb, Zn base metal deposit will emit (release) Cu, Pb and Zn ions.

Figure 4: MMI Theory

Results:

North Block: The results of the soil sampling program show a variety of interesting results. Elevated gold and silver values are evident on the western portion of this claim block. The arsenic and palladium values are flat throughout. The results for copper, lead, and zinc appear to show a weak correlation in the northeast portion of the claim group while elevated potassium values correlate with the elevated gold and silver values in the western portion, and the elevated copper, lead, and zinc values in the north eastern portion.

South Block: The results of the soil sampling program on the South Block are quite varied. Silver values show a linear feature in the south west part of the claim group while gold is very flat. The arsenic values although elevated in spots are quite scattered. The elevated potassium values seem to correlate with the elevated silver values. The palladium values like the North Block are very flat. Copper values are also flat with just one value above 2000ppb. The lead values although having numerous values above 2000ppb, are scattered across the claim group.

The zinc values show two linear features with high values. One located in the north part of the claim group along line 3. The other is along line 1 in the west part of the claim block.

Conclusions and Recommendations:

In conclusion the MMI Geochemical Survey has produced some interesting results. The effectiveness of the MMI Survey proved to be somewhat unclear. It would be prudent at this stage to augment the MMI Survey with some type of deep penetrating geophysical method as well as investigate further any known drill holes in the vicinity of the property.

References:

- 1948** Satterly, J., Geology of Garrison Township, District of Cochrane,
PR 1948-2 Ontario Department of Mine
- 1949** Satterly, J., O.G.S. Map No. 1948-1, Scale 1:20,000
- 1999** Ayer, J.A., Berger, B.R. and Trowell, N.F., 1999, Geological compilation
of the Lake Abitibi greenstone belt, O.G.S. Map P3398, Scale 1:100,000

STATEMENT OF QUALIFICATIONS

I, Brian Madill, of 142 Carter Ave. Kirkland Lake, Ontario, do hereby certify that:

1. I am a Prospector/Geological/Geophysical Technician and have been practicing my profession for the past 38 years.
2. I am a graduate of Cambrian College, Sudbury, Ontario having obtained a Geological Engineering Technician diploma in 1979.
3. My knowledge of the property described herein was obtained by fieldwork and documentation.
4. I do not have or expect to receive any interest in the property that forms the basis of this report.
5. I am qualified to author this report.

Respectfully,

Brian H. Madill

Brian H. Madill

APPENDIX

Holloway Tailings MMI Soil Sample Index Sheet (North Block)

Easting (Proposed)	Northing (Proposed)	Easting (Actual)	Northing (Actual)	Line #	Sample Number	Depth of Sample Sample (cm)	Type of Soil	Description of Soil Type	Comments
593125	5372575	NO	SAMPLE	0					Gravel Road
593125	5372550	593124	5372550	0	1890	30	Sand	Dark brown, medium to fine grained	
593125	5372525	593124	5372524	0	1891	30	Sand	Dark brown, medium to fine grained, some course pebbles, minor organics	
593125	5372500	593125	5372501	0	1892	30	Sand / Clay	Dark brown, medium to fine grained, some clay mix, minor organics	
593125	5372475	593130	5372478	0	1976	30	Clay	Dark grey. Fine grained. Minor organics	
593125	5372450	593126	5372451	0	1893	30	Clay	Dark grey to brown, fine grained	
593125	5372425	593123	5372423	0	1894	30	Clay	Dark grey to brown, fine grained	
593125	5372400	593125	5372401	0	1895	30	Clay	Dark grey to brown, fine grained	
593125	5372375	593124	5372377	0	1896	30	Sand / Clay	Dark brown, medium to fine grained, some clay mix, minor organics	
593125	5372350	593129	5372347	0	1897	30	Clay	Dark grey to brown, fine grained	
593125	5372325	593122	5372320	0	1898	30	Clay	Dark grey to brown, fine grained	
593125	5372300	593128	5372302	0	1899	30	Clay	Dark grey to brown, fine grained, some minor organics	
593125	5372275	593125	5372278	0	1900	30	Clay	Dark grey to brown, fine grained, some minor organics	

Easting (Proposed)	Northing (Proposed)	Easting (Actual)	Northing (Actual)	Line #	Sample Number	Depth of Sample Sample (cm)	Type of Soil	Description of Soil Type	Comments
593225	5372700	593225	5372700	1	1901	30	Clay	Greyish brown, fine grained, minor organics	
593225	5372675	593226	5372674	1	1902	30	Clay	Greyish brown, fine grained, minor organics	
593225	5372650	593223	5372651	1	1903	30	Clay	Greyish brown, fine grained, minor organics	
593225	5372625	593224	5372624	1	1904	30	Loom / Clay	Black with greyish brown clay mix, minor organics	
593225	5372600	593225	5372599	1	1905	30	Loom	Black, minor organics	
593225	5372575	593224	5372576	1	1906	30	Loom / Clay	Black with greyish brown clay mix, minor organics	
593225	5372550	593223	5372549	1	1907	30	Clay	Dark grey to brown, fine grained	
593225	5372525	593226	5372526	1	1908	30	Clay	Dark grey to brown, fine grained	
593225	5372500	593224	5372501	1	1909	30	Loom / Clay	Black with greyish brown clay mix, minor organics	
593225	5372475	593224	5372477	1	1910	30	Clay	Dark grey to brown, fine grained	
593225	5372450	593226	5372452	1	1911	30	Clay	Dark grey to brown, fine grained	
593225	5372425	593225	5372425	1	1912	30	Sand / Clay	Dark brown, medium to fine grained, some clay mix, minor organics	
593225	5372400	593224	5372401	1	1913	30	Sand / Clay	Dark brown, medium to fine grained, some clay mix, minor organics	
593225	5372375	593224	5372373	1	1914	30	Sand / Clay	Dark brown, medium to fine grained, some clay mix, minor organics	
593225	5372350	593224	5372352	1	1915	30	Sand	Light brown, fine to medium grained	
593225	5372325	593223	5372323	1	1916	30	Sand	Greyish-brown, fine to medium grained	
593225	5372300	593224	5372298	1	1917	30	Sand	Greyish-brown, fine to medium grained	Gravel Road
593225	5372275	593226	5372277	1	1918	30	Sand	Greyish-brown, fine to medium grained	
593225	5372250	593227	5372249	1	1919	30	Sand / Loom	Greyish-brown to black, fine to medium grained, minor organics	

Holloway Tailings MMI Soil Sample Index Sheet (North Block)

Easting (Proposed)	Northing (Proposed)	Easting (Actual)	Northing (Actual)	Line #	Sample Number	Depth of Sample Sample (cm)	Type of Soil	Description of Soil Type	Comments
593325	5372750	NO	SAMPLE	2					
593325	5372725	NO	SAMPLE	2					
593325	5372700	NO	SAMPLE	2					
593325	5372675	NO	SAMPLE	2					
593325	5372650	NO	SAMPLE	2					
593325	5372625	593325	5372624	2	1920	30	Sand	Dark brown, medium to fine grained, some clay mix, minor organics	
593325	5372600	593323	5372601	2	1921	30	Sand	Dark brown, medium to fine grained, some clay mix, minor organics	
593325	5372575	593326	5372573	2	1922	30	Loom	Black, fine to medium grained, highly organic	
593325	5372550	593323	5372549	2	1923	30	Sand	Dark brown, medium to fine grained, some clay mix, minor organics	
593325	5372525	593326	5372523	2	1924	30	Sand	Reddish-brown, fine grained, minor organics	
593325	5372500	593325	5372500	2	1925	30	Sand	Reddish-brown, fine grained, minor organics	
593325	5372475	593327	5372476	2	1926	30	Sand	Dark reddish-brown, fine grained, minor organics	
593325	5372450	593324	5372449	2	1927	30	Sand	Dark reddish-brown, fine grained, minor organics	
593325	5372425	593323	5372423	2	1928	30	Sand	Light to dark grey, medium to fine grained, minor organics	
593325	5372400	593325	5372401	2	1929	30	Sand	Light to dark grey, medium to fine grained, minor organics	
593325	5372375	593324	5372374	2	1930	30	Sand	Light to dark grey, medium to fine grained, minor organics	
593325	5372350	593323	5372348	2	1931	30	Sand / Clay	Light to dark grey, medium to fine grained, some clay mix, minor organics	
593325	5372325	593324	5372324	2	1932	30	Sand / Clay	Light to dark grey to brown, medium to fine grained, some clay mix, minor organics	
593325	5372300	593326	5372298	2	1933	30	Sand / Clay	Light to dark grey to brown, medium to fine grained, some clay mix, minor organics	
593325	5372275	593323	5372276	2	1934	30	Sand / Clay	Light to dark grey to brown, medium to fine grained, some clay mix, minor organics	
593325	5372250	593324	5372250	2	1935	30	Sand / Clay	Light to dark grey to brown, medium to fine grained, some clay mix, minor organics	
593325	5372225	593327	5372226	2	1936	30	Sand / Clay	Light to dark grey to brown, medium to fine grained, some clay mix, minor organics	

Holloway Tailings MMI Soil Sample Index Sheet (North Block)

Easting (Proposed)	Northing (Proposed)	Easting (Actual)	Northing (Actual)	Line #	Sample Number	Depth of Sample Sample (cm)	Type of Soil	Description of Soil Type	Comments
593425	5372775	593426	5372776	3	1937	30	Clay / Loom	Black to greyish brown, fine grained	
593425	5372750	593424	5372752	3	1938	30	Loom	Black, fine to medium grained, minor organics	
593425	5372725	593425	5372726	3	1939	30	Sand	Reddish-brown, fine grained, minor organics	
593425	5372700	593423	5372701	3	1940	30	Sand	Reddish-brown, fine grained, minor organics	
593425	5372675	593425	5372674	3	1941	30	Clay	Dark grey to brown, fine grained	
593425	5372650	593426	5372651	3	1942	30	Sand	Dark reddish-brown, fine grained, minor organics	
593425	5372625	593424	5372626	3	1943	30	Sand	Dark reddish-brown, fine grained, minor organics	
593425	5372600	593423	5372599	3	1944	30	Clay / Loom	Black to greyish brown, fine grained	
593425	5372575	593425	5372576	3	1945	30	Sand	Dark reddish-brown, fine grained, minor organics	
593425	5372550	593423	5372557	3	1946	30	Sand	Greyish-brown, medium to fine grained, minor organics	
593425	5372525	593426	5372526	3	1947	30	Sand	Greyish-brown, medium to fine grained, minor organics	
593425	5372500	593424	5372501	3	1948	30	Sand	Dark brown, medium to fine grained, minor organics	
593425	5372475	593424	5372477	3	1949	30	Sand	Greyish-brown, medium to fine grained, minor organics	
593425	5372450	593423	5372451	3	1950	30	Sand	Greyish-brown, medium to fine grained, minor organics	
593425	5372425	593423	5372426	3	1951	30	Sand	Greyish-brown, medium to fine grained, minor organics	
593425	5372400	593426	5372402	3	1952	30	Sand	Greyish-brown, medium to fine grained, minor organics	
593425	5372375	NO	SAMPLE	3					
593425	5372350	NO	SAMPLE	3					
593425	5372325	NO	SAMPLE	3					
593425	5372300	NO	SAMPLE	3					
593425	5372275	NO	SAMPLE	3					
593425	5372250	NO	SAMPLE	3					
593425	5372225	NO	SAMPLE	3					
593425	5372200	NO	SAMPLE	3					

Holloway Tailings MMI Soil Sample Index Sheet (North Block)

Easting (Proposed)	Northing (Proposed)	Easting (Actual)	Northing (Actual)	Line #	Sample Number	Depth of Sample Sample (cm)	Type of Soil	Description of Soil Type	Comments
593525	5372525	593525	5372526	4	1953	30	Sand / Clay	Greyish-brown, fine to medium grained, minor organics	
593525	5372500	593523	5372501	4	1954	30	Sand / Clay	Greyish-brown, fine to medium grained, minor organics	
593525	5372475	593526	5372474	4	1955	30	Sand / Clay	Greyish-brown, fine to medium grained, minor organics	
593525	5372450	593524	5372449	4	1956	30	Sand / Clay	Greyish to dark brown, fine to medium grained, minor organics	
593525	5372425	593523	5372424	4	1957	30	Sand / Clay	Greyish-brown, fine to medium grained, minor organics	
593525	5372400	593523	5372401	4	1958	30	Sand / Clay	Reddish-brown, fine grained, minor organics	
593525	5372375	593526	5372376	4	1959	30	Sand / Clay	Reddish-brown, fine grained, minor organics	
593525	5372350	593524	5372351	4	1960	30	Sand / Clay	Greyish-brown, fine to medium grained, minor organics	
593525	5372325	593524	5372324	4	1961	30	Sand / Clay	Greyish-brown, fine to medium grained, minor organics	
593525	5372300	593523	5372299	4	1962	30	Sand / Clay	Greyish-brown, fine to medium grained, minor organics	
593525	5372275	593524	5372273	4	1963	30	Sand / Clay	Greyish-brown, fine to medium grained, minor organics	
593525	5372250	593525	5372249	4	1964	30	Sand / Clay	Greyish-brown, fine to medium grained, minor organics	
593525	5372225	593526	5372226	4	1965	30	Sand / Clay	Greyish-brown, fine to medium grained, minor organics	
593525	5372200	593524	5372201	4	1966	30	Sand / Clay	Greyish-brown, fine to medium grained, minor organics	
593525	5372175	593525	5372176	4	1967	30	Sand / Clay	Greyish-brown, fine to medium grained, minor organics	

Holloway Tailings MMI Soil Sample Index Sheet (North Block)

Easting (Proposed)	Northing (Proposed)	Easting (Actual)	Northing (Actual)	Line #	Sample Number	Depth of Sample Sample (cm)	Type of Soil	Description of Soil Type	Comments
593625	5372525	593623	5372524	5	1968	30	Sand / Clay	Reddish-brown, fine grained, minor organics	
593625	5372500	593626	5372501	5	1969	30	Sand / Clay	Reddish-brown, fine grained, minor organics	
593625	5372475	593623	5372477	5	1970	30	Sand / Clay	Reddish-dark brown, fine grained, minor organics	
593625	5372450	593625	5372449	5	1971	30	Sand / Clay	Reddish-dark brown, fine grained, minor organics	
593625	5372425	593624	5372423	5	1972	30	Sand	Reddish-dark brown, fine grained, minor black loom and organics	
593625	5372400	593623	5372401	5	1973	30	Sand	Reddish-dark brown, fine grained, minor black loom and organics	
593625	5372375	593626	5372376	5	1974	30	Sand	Reddish-dark brown, fine grained, minor organics	
593625	5372350	593624	5372349	5	1975	30	Sand	Reddish-dark brown, fine grained, minor organics	

Easting (Proposed)	Northing (Proposed)	Easting (Actual)	Northing (Actual)	Line #	Sample Number	Depth of Sample Sample (cm)	Type of Soil	Description of Soil Type	Comments
593725	5372525	593726	5372526	6	1977	30	Sand / Clay	Dark grey to brown. Fine to medium grained, minor organics	
593725	5372500	593723	5372498	6	1978	30	Sand / Loom	Black to dark grey to brown, fine to medium grained, organics	
593725	5372475	593725	5372474	6	1979	30	Sand / Loom	Black to dark grey to brown, fine to medium grained, organics	
593725	5372450	593726	5372451	6	1980	30	Sand / Loom	Black to dark grey to brown, fine to medium grained, organics	
593725	5372425	593724	5372427	6	1981	30	Sand / Clay	Reddish-dark brown, fine grained	
593725	5372400	593723	5372401	6	1982	30	Sand / Clay	Reddish-dark brown, fine grained	
593725	5372375	593725	5372376	6	1983	30	Sand / Clay	Reddish-dark brown, fine grained	

Easting (Proposed)	Northing (Proposed)	Easting (Actual)	Northing (Actual)	Line #	Sample Number	Depth of Sample Sample (cm)	Type of Soil	Description of Soil Type	Comments
593830	5372975	593831	5372975	7N	1984	30	Clay	Dark grey to blackish brown, fine grained, minor organics	
593830	5372950	593830	5372951	7N	1985	30	Clay	Dark grey to blackish brown, fine grained, minor organics	
593830	5372925	593832	5372924	7N	1986	30	Clay / Loom	Black, fine grained, minor organics	
593830	5372900	593831	5372901	7N	1987	30	Clay / Loom	Black, fine grained, minor organics	
593830	5372875	593829	5372874	7N	1988	30	Clay / Loom	Black to dark brown, fine grained, minor organics	
593825	5372525	593826	5372523	7	1989	30	Clay	Black to dark brown, fine to medium grained, minor organics	
593825	5372500	593824	5372498	7	1990	30	Clay	Brown, fine to medium grained, minor organics	
593825	5372475	593826	5372476	7	1991	30	Clay / Loom	Black to dark brown, fine to medium grained, minor organics	
593825	5372450	593825	5372451	7	1992	30	Clay	Brown, fine to medium grained, minor organics	
593825	5372425	593824	5372424	7	1993	30	Clay / Loom	Black to dark brown, fine to medium grained, minor organics	

Holloway Tailings MMI Soil Sample Index Sheet (North Block)

Easting (Proposed)	Northing (Proposed)	Easting (Actual)	Northing (Actual)	Line #	Sample Number	Depth of Sample Sample (cm)	Type of Soil	Description of Soil Type	Comments
593930	5373000	593931	5373001	8	1994	30	Clay	Dark grey to blackish brown, fine grained, minor organics	
593930	5372975	593929	5372976	8	1995	30	Clay	Dark grey to blackish brown, fine grained, minor organics	
593930	5372950	593932	5372950	8	1996	30	Clay	Dark grey to blackish brown, fine grained, minor organics	
593930	5372925	593930	5372924	8	1997	30	Clay	Dark grey to blackish brown, fine grained, minor organics	
593930	5372900	593930	5372901	8	1998	30	Clay	Dark grey to blackish brown, fine grained, minor organics	
593930	5372875	593929	5372874	8	1999	30	Clay	Dark grey to blackish brown, fine grained, minor organics	
593930	5372850	593931	5372851	8	2000	30	Sand / Clay	Reddish brown, fine to medium grained, minor organics	
593930	5372825	593930	5372824	8	1451	30	Loom	Black, fine to medium grained, highly organic	
593930	5372800	593929	5372801	8	1452	30	Sand / Clay	Reddish brown, fine to medium grained, minor organics	
593930	5372775	593930	5372774	8	1453	30	Loom	Black, fine to medium grained, highly organic	
593930	5372750	593931	5372749	8	1454	30	Sand / Clay	Dark greyish brown, fine to medium grained, minor organics	
593930	5372725	593930	5372724	8	1455	30	Sand / Clay	Dark greyish brown, fine to medium grained, minor organics	
593930	5372700	593931	5372699	8	1456	30	Sand / Clay	Dark greyish brown, fine to medium grained, minor organics	
593930	5372675	593929	5372674	8	1457	30	Sand / Clay	Dark greyish brown, fine to medium grained, minor organics	
593930	5372650	593931	5372650	8	1458	30	Sand / Clay	Dark greyish brown, fine to medium grained, minor organics	
593930	5372625	593929	5372625	8	1459	30	Sand	Dark greyish brown, fine to medium grained, minor organics	
593930	5372600	NO	SAMPLE	8					Outcrop
593930	5372575	593929	5372574	8	1460	30	Loom	Black, fine to medium grained, highly organic	
593930	5372550	593931	5372549	8	1461	30	Loom / Sand	Black to light brown, fine to medium grained, minor organics	
593930	5372525	593929	5372524	8	1462	30	Loom / Sand	Black to light brown, fine to medium grained, minor organics	
593930	5372500	593930	5372501	8	1463	30	Loom / Sand	Black to light brown, fine to medium grained, minor organics	

Holloway Tailings MMI Soil Sample Index Sheet (North Block)

Easting (Proposed)	Northing (Proposed)	Easting (Actual)	Northing (Actual)	Line #	Sample Number	Depth of Sample Sample (cm)	Type of Soil	Description of Soil Type	Comments
594030	5373025	594029	5373023	9	1464	30	Loom / Sand / Clay	Dark brown to light greyish brown, fine to medium grained, highly organic	
594030	5373000	594031	5373001	9	1465	30	Sand / Clay	Dark brown to light greyish brown, fine to medium grained, minor organics	
594030	5372975	594029	5372976	9	1466	30	Sand / Clay	Dark brown to light greyish brown, fine to medium grained, minor organics	
594030	5372950	594031	5372949	9	1467	30	Sand / Clay	Dark brown to light greyish brown, fine to medium grained, minor organics	
594030	5372925	594029	5372926	9	1468	30	Sand / Clay	Dark reddish brown, fine to medium grained, minor organics	
594030	5372900	594030	5372899	9	1469	30	Sand	Dark reddish brown, fine to medium grained, minor organics	
594030	5372875	594031	5372876	9	1470	30	Sand	Dark reddish brown, fine to medium grained, minor organics	
594030	5372850	594031	5372850	9	1471	30	Sand	Dark reddish brown, fine to medium grained, minor organics	
594030	5372825	594029	5372825	9	1472	30	Sand	Dark reddish brown, fine to medium grained, minor organics	
594030	5372800	594029	5372801	9	1473	30	Sand	Dark to greyish brown, fine to medium grained, minor organics	
594030	5372775	594031	5372774	9	1474	30	Sand	Dark to greyish brown, fine to medium grained, minor organics	
594030	5372750	594032	5372749	9	1475	30	Sand	Dark to greyish brown, fine to medium grained, minor organics	
594030	5372725	594029	5372723	9	1476	30	Sand	Dark to greyish brown, fine to medium grained, minor organics	
594030	5372700	594030	5372701	9	1477	30	Sand	Dark to greyish brown, fine to medium grained, minor organics	
594030	5372675	NO	SAMPLE	9					Gravel Road
594030	5372650	NO	SAMPLE	9					Outcrop
594030	5372625	NO	SAMPLE	9					Outcrop
594030	5372600	NO	SAMPLE	9					Outcrop
594030	5372575	594031	5372576	9	1478	30	Clay	Dark grey to blackish brown, fine grained, minor organics	
594030	5372550	594029	5372549	9	1479	30	Clay / Loom	Dark grey to blackish brown, fine grained, minor organics	
594030	5372525	594031	5372526	9	1480	30	Clay	Dark grey to blackish brown, fine grained, minor organics	
594030	5372500	594030	5372501	9	1481	30	Clay	Dark grey to blackish brown, fine grained, minor organics	

Holloway Tailings MMI Soil Sample Index Sheet (North Block)

Easting (Proposed)	Northing (Proposed)	Easting (Actual)	Northing (Actual)	Line #	Sample Number	Depth of Sample Sample (cm)	Type of Soil	Description of Soil Type	Comments
594130	5373050	594130	5373051	10	1482	30	Clay / Loom	Dark grey to blackish brown, fine grained, minor organics	
594130	5373025	594129	5373024	10	1483	30	Clay / Loom	Dark grey to blackish brown, fine grained, minor organics	
594130	5373000	594131	5372999	10	1484	30	Clay / Loom	Dark grey to blackish brown, fine grained, minor organics	
594130	5372975	594129	5372976	10	1485	30	Clay / Loom	Dark grey to blackish brown, fine grained, minor organics	
594130	5372950	594130	5372951	10	1486	30	Clay / Loom	Dark grey to blackish brown, fine grained, minor organics	
594130	5372925	594130	5372925	10	1487	30	Clay	Dark to light greyish brown, fine grained, minor organics	
594130	5372900	594129	5372901	10	1488	30	Clay / Loom	Dark grey to blackish brown, fine grained, minor organics	
594130	5372875	594131	5372876	10	1489	30	Clay / Loom	Dark grey to blackish brown, fine grained, minor organics	
594130	5372850	594129	5372851	10	1490	30	Clay / Loom	Dark grey to blackish brown, fine grained, minor organics	
594130	5372825	594132	5372823	10	1491	30	Sand	Dark reddish brown, fine to medium grained, minor organics	
594130	5372800	594129	5372801	10	1492	30	Sand	Dark reddish brown, fine to medium grained, minor organics	
594130	5372775	594131	5372774	10	1493	30	Sand	Dark reddish brown, fine to medium grained, minor organics	
594130	5372750	594130	5372749	10	1494	30	Sand	Dark reddish brown, fine to medium grained, minor organics	
594130	5372725	594129	5372724	10	1495	30	Sand / Clay	Reddish brown to light greyish brown, fine to medium grained, minor organics	
594130	5372700	594133	5372700	10	1496	30	Sand	Reddish to light brown, fine to medium grained, minor organics	
594130	5372675	594131	5372674	10	1497	30	Sand / Clay	Light greyish brown, fine grained, minor organics	
594130	5372650	594130	5372649	10	1498	30	Sand	Reddish to light brown, fine to medium grained, minor organics	
594130	5372625	594129	5372626	10	1499	30	Loom	Black, fine to medium grained, highly organic	
594130	5372600	594130	5372599	10	1500	30	Loom	Black, fine to medium grained, highly organic	
594130	5372575	594131	5372574	10	1501	30	Loom	Black, fine to medium grained, highly organic	
594130	5372550	594129	5372549	10	1502	30	Loom	Black, fine to medium grained, highly organic	

Holloway Tailings MMI Soil Sample Index Sheet (South Block)

Easting (Proposed)	Northing (Proposed)	Easting (Actual)	Northing (Actual)	Line #	Sample Number	Depth of Sample Sample (cm)	Type of Soil	Description of Soil Type	Comments
594225	5371525	594223	5371524	0	1503	30	Sand / Clay	Light brown to grey, fine to medium grained, minor organics	
594225	5371500	594224	5371498	0	1504	30	Sand / Clay	Light brown to grey, fine to medium grained, minor organics	
594225	5371475	594226	5371474	0	1505	30	Sand / Clay	Dark brown to grey, fine to medium grained, minor organics	
594225	5371450	594225	5371451	0	1506	30	Sand / Clay	Reddish-brown, fine to medium grained, minor organics	
594225	5371425	594226	5371426	0	1507	30	Sand / Clay / Loom	Greyish brown to black, fine to medium grained, high organics	
594225	5371400	594225	5371397	0	1508	30	Sand / Clay / Loom	Greyish brown to black, fine to medium grained, high organics	
594225	5371375	594224	5371374	0	1509	30	Clay / Loom	Greyish brown to black, fine to medium grained, high organics	
594225	5371350	594226	5371349	0	1510	40	Clay / Loom	Greyish brown to black, fine to medium grained, minor organics	
594225	5371325	594227	5371326	0	1511	30	Clay / Loom	Greyish brown to black, fine to medium grained, high organics	
594225	5371300	594223	5371298	0	1512	40	Clay / Loom	Black, fine grained, highly organic	
594225	5371275	594224	5371273	0	1513	25	Sand	Light greyish brown, fine to medium grained, minor organics	
594225	5371250	594226	5371248	0	1514	30	Clay / Loom	Black, fine grained, highly organic	
594225	5371225	594225	5371223	0	1515	40	Clay / Loom	Black, fine grained, highly organic	
594225	5371200	594224	5371199	0	1516	30	Sand / Clay / Loom	Greyish brown to black, fine to medium grained, high organics	
594225	5371175	594225	5371175	0	1517	30	Sand / Clay / Loom	Reddish-brown to black, fine to medium grained, highly organic	
594225	5371150	594225	5371154	0	1518	30	Loom	Reddish black, highly organic	Moved off outcrop
594225	5371125	594228	5371124	0	1519	30	Clay / Loom	Light greyish brown to black, fine to medium grained, highly organic	
594225	5371100	594226	5371099	0	1520	20	Sand	Reddish-brown, fine to medium grained, minor organics	Gravel and sand
594225	5371075	594227	5371074	0	1521	20	Sand	Reddish-brown, fine to medium grained, minor organics	Gravel
594225	5371050	594227	5371049	0	1522	30	Sand / Clay	Reddish-brown, fine to medium grained, minor organics	
594225	5371025	594228	5371022	0	1523	15	Sand	Reddish-brown, fine to medium grained, minor organics	
594225	5371000	594222	5370999	0	1524	15	Sand	Reddish-brown, fine to medium grained, minor organics	
594225	5370975	594226	5370978	0	1525	10	Sand / Clay / Loom	Greyish brown to black, fine to medium grained, high organics	Outcrop

Holloway Tailings MMI Soil Sample Index Sheet (South Block)

Easting (Proposed)	Northing (Proposed)	Easting (Actual)	Northing (Actual)	Line #	Sample Number	Depth of Sample Sample (cm)	Type of Soil	Description of Soil Type	Comments
25	5371525	594323	5371524	1	1526	30	Sand	Reddish-brown, fine to medium grained, minor organics	
594325	5371500	594326	5371501	1	1527	30	Sand / Loom	Reddish-brown to black, fine to medium grained, minor organics	
594325	5371475	594325	5371475	1	1528	30	Sand / Loom	Reddish-brown to black, fine to medium grained, minor organics	
594325	5371450	594323	5371451	1	1529	30	Sand	Reddish-brown, fine to medium grained, minor organics	
594325	5371425	594324	5371424	1	1530	30	Sand	Reddish-brown, fine to medium grained, minor organics	
594325	5371400	594326	5371399	1	1531	30	Sand	Reddish-brown, fine to medium grained, minor organics	
594325	5371375	594326	5371376	1	1532	30	Sand	Dark reddish-brown, fine to medium grained, minor organics	
594325	5371350	594324	5371349	1	1533	30	Sand / Clay	Light greyish brown, fine to medium grained, minor organics	
594325	5371325	594326	5371326	1	1534	30	Clay / Loom	Light greyish brown to black, fine to medium grained, minor organics	
594325	5371300	594324	5371301	1	1535	30	Loom / Clay	Dark grey to black, fine to medium grained, highly organic	
594325	5371275	594325	5371274	1	1536	30	Clay / Loom	Light greyish brown to black, fine to medium grained, minor organics	
594325	5371250	594324	5371251	1	1537	30	Sand / Clay / Loom	Dark greyish brown to black, fine to medium grained , minor organics	
594325	5371225	594327	5371223	1	1538	30	Sand / Clay / Loom	Dark greyish brown to black, fine to medium grained , minor organics	
594325	5371200	594326	5371199	1	1539	30	Sand / Loom	Dark reddish brown to black, fine to medium grained, minor organics	
594325	5371175	594324	5371176	1	1540	30	Sand / Clay / Loom	Dark greyish brown to black, fine to medium grained , minor organics	
594325	5371150	594324	5371151	1	1541	30	Sand / Clay / Loom	Dark greyish brown to black, fine to medium grained , minor organics	
594325	5371125	594326	5371126	1	1542	30	Sand / Clay / Loom	Dark greyish brown to black, fine to medium grained , minor organics	
594325	5371100	594325	5371101	1	1543	30	Sand / Clay / Loom	Dark greyish brown to black, fine to medium grained , minor organics	
594325	5371075	594326	5371073	1	1544	30	Sand / Clay / Loom	Dark greyish brown to black, fine to medium grained , minor organics	
594325	5371050	594324	5371051	1	1545	30	Sand	Dark reddish-brown, fine to medium grained, minor organics	
594325	5371025	594324	5371026	1	1546	30	Sand / Clay	Reddish brown to grey, fine to medium grained, minor organics	
594325	5371000	594325	5370999	1	1547	30	Sand / Clay	Reddish brown to grey, fine to medium grained, minor organics	
594325	5370975	594324	5370973	1	1548	30	Sand / Clay	Reddish brown to grey, fine to medium grained, minor organics	
594325	5370950	594322	5370952	1	1549	30	Sand / Clay	Reddish brown to grey, fine to medium grained, minor organics	
594325	5370925	594324	5370926	1	1550	30	Sand / Clay	Reddish brown to grey, fine to medium grained, minor organics	
594325	5370900	594324	5370901	1	1551	30	Sand / Clay	Light greyish brown, fine to medium grained, minor organics	
594325	5370875	594325	5370880	1	1552	30	Sand / Clay	Light greyish brown, fine to medium grained, minor organics	

Holloway Tailings MMI Soil Sample Index Sheet (South Block)

Easting (Proposed)	Northing (Proposed)	Easting (Actual)	Northing (Actual)	Line #	Sample Number	Depth of Sample Sample (cm)	Type of Soil	Description of Soil Type	Comments
594425	5371525	NO	SAMPLE	2					Outcrop
594425	5371500	594425	5371497	2	1553	30	Sand / Clay / Loom	Dark greyish brown to black, fine to medium grained , minor organics	
594425	5371475	594426	5371474	2	1554	30	Clay / Loom	Dark brown to black, fine to medium grained , minor organics	
594425	5371450	594427	5371451	2	1555	30	Clay / Loom	Dark brown to black, fine to medium grained , highly organic	
594425	5371425	594422	5371424	2	1556	30	Clay / Loom	Dark brown to black, fine to medium grained , highly organic	
594425	5371400	594429	5371400	2	1557	30	Clay / Loom	Dark brown to black, fine to medium grained , highly organic	
594425	5371375	594428	5371373	2	1558	30	Loom	Dark brown to black, fine to medium grained , highly organic	
594425	5371350	594425	5371350	2	1559	30	Clay / Loom	Dark grey to black, fine to medium grained , highly organic	
594425	5371325	NO	SAMPLE	2					Outcrop
594425	5371300	NO	SAMPLE	2					Outcrop
594425	5371275	594430	5371274	2	1560	35	Clay / Loom	Dark grey to black, fine to medium grained , highly organic	
594425	5371250	NO	SAMPLE	2					Outcrop
594425	5371225	NO	SAMPLE	2					Outcrop
594425	5371200	594427	5371201	2	1561	30	Clay / Loom	Light grey to black, fine to medium grained, highly organic	
594425	5371175	594425	5371174	2	1562	30	Sand / Clay	Light grey to brown, fine to medium grained, minor organics	
594425	5371150	594428	5371150	2	1563	30	Sand / Clay	Dark grey to brown, fine to medium grained, minor organics	
594425	5371125	594429	5371130	2	1564	30	Sand / Clay	Light grey to brown, fine to medium grained, minor organics	
594425	5371100	594428	5371101	2	1565	30	Sand / Loom	Dark brown to black, fine to medium grained , highly organic	
594425	5371075	594419	5371071	2	1566	15	Sand / Loom	Dark brown to black, fine to medium grained , highly organic	
594425	5371050	594430	5371052	2	1567	30	Sand / Clay / Loom	Reddish brown to grey, fine to medium grained , Highly organic	
594425	5371025	594430	5371026	2	1568	30	Sand / Loom	Light grey to brown, fine to medium grained, minor organics	
594425	5371000	594427	5371002	2	1569	30	Sand / Clay	Light grey to brown, fine to medium grained, minor organics	
594425	5370975	594429	5370974	2	1570	30	Loom	Dark brown to black, fine to medium grained , highly organic	
594425	5370950	594426	5370948	2	1571	30	Sand	Light greyish brown, fine to medium grained, minor organics	
594425	5370925	594428	5370923	2	1572	30	Sand	Reddish brown, fine to medium grained, minor organics	
594425	5370900	594428	5370900	2	1573	30	Clay / Loom	Light greyish brown to black, fine to medium grained, minor organics	
594425	5370875	594427	5370875	2	1574	30	Sand	Reddish brown, fine to medium grained, minor organics	
594425	5370850	594430	5370846	2	1575	25	Sand	Reddish brown, fine to medium grained, minor organics	
594425	5370825	594425	5370825	2	1576	15	Sand / Clay	Light grey to brown, fine to medium grained, minor organics	
594425	5370800	594425	5370800	2	1577	15	Loom	Dark brown to black, fine to medium grained , highly organic	

Holloway Tailings MMI Soil Sample Index Sheet (South Block)

Easting (Proposed)	Northing (Proposed)	Easting (Actual)	Northing (Actual)	Line #	Sample Number	Depth of Sample Sample (cm)	Type of Soil	Description of Soil Type	Comments
594525	5371550	NO	SAMPLE	3					Outcrop
594525	5371525	594523	5371523	3	1578	30	Sand	Reddish brown to grey, fine to medium grained, minor organics	
594525	5371500	594526	5371501	3	1579	30	Sand	Reddish brown to grey, fine to medium grained, minor organics	
594525	5371475	594521	5371477	3	1580	30	Sand / Loom	Dark reddish brown to grey, fine to medium grained, highly organic	
594525	5371450	594522	5371453	3	1581	25	Sand	Reddish brown to grey, fine to medium grained, minor organics	
594525	5371425	594529	5371428	3	1582	25	Sand	Reddish brown to grey, fine to medium grained, minor organics	
594525	5371400	NO	SAMPLE	3					Outcrop
594525	5371375	NO	SAMPLE	3					Outcrop
594525	5371350	NO	SAMPLE	3					Outcrop
594525	5371325	NO	SAMPLE	3					Outcrop
594525	5371300	NO	SAMPLE	3					Outcrop
594525	5371275	NO	SAMPLE	3					Outcrop
594525	5371250	NO	SAMPLE	3					Outcrop
594525	5371225	NO	SAMPLE	3					Outcrop
594525	5371200	594520	5371207	3	1583	25	Sand	Reddish brown to grey, fine to medium grained, minor organics	
594525	5371175	NO	SAMPLE	3					Outcrop
594525	5371150	NO	SAMPLE	3					Outcrop
594525	5371125	NO	SAMPLE	3					Outcrop
594525	5371100	NO	SAMPLE	3					Outcrop
594525	5371075	NO	SAMPLE	3					Outcrop
594525	5371050	NO	SAMPLE	3					Outcrop
594525	5371025	594530	5371026	3	1584	35	Sand	Dark brown to grey, fine to medium grained, minor organics	
594525	5371000	594522	5371003	3	1585	30	Sand / Loom	Light grey to black, fine to medium grained, highly organic	
594525	5370975	594529	5370972	3	1586	30	Sand	Dark brown to grey, fine to medium grained, minor organics	
594525	5370950	594527	5370944	3	1587	30	Loom	Black, fine grained, minor organics	
594525	5370925	594523	5370921	3	1588	30	Loom	Black, fine grained, minor organics	
594525	5370900	594528	5370897	3	1589	30	Loom	Black, fine grained, minor organics	
594525	5370875	594526	5370871	3	1590	30	Loom	Black, fine grained, minor organics	
594525	5370850	594526	5370851	3	1591	30	Sand	Reddish brown to grey, fine to medium grained, minor organics	
594525	5370825	594521	5370821	3	1592	30	Sand	Reddish brown to grey, fine to medium grained, minor organics	
594525	5370800	594530	5370798	3	1593	30	Sand	Dark reddish brown, fine to medium grained, minor organics	
594525	5370775	594522	5370773	3	1594	30	Sand	Dark reddish brown, fine to medium grained, minor organics	
594525	5370750	594524	5370749	3	1595	30	Sand	Dark reddish brown, fine to medium grained, minor organics	
594525	5370725	594521	5370721	3	1596	30	Sand / Clay	Dark brown, fine to medium grained, minor organics	
594525	5370700	594528	5370698	3	1597	30	Sand / Clay	Light brown to grey, fine to medium grained, minor organics	

Holloway Tailings MMI Soil Sample Index Sheet (South Block)

Easting (Proposed)	Northing (Proposed)	Easting (Actual)	Northing (Actual)	Line #	Sample Number	Depth of Sample Sample (cm)	Type of Soil	Description of Soil Type	Comments
594625	5371575	NO	SAMPLE	4					Outcrop
594625	5371550	NO	SAMPLE	4					Outcrop
594625	5371525	NO	SAMPLE	4					Outcrop
594625	5371500	NO	SAMPLE	4					Outcrop
594625	5371475	NO	SAMPLE	4					Outcrop
594625	5371450	NO	SAMPLE	4					Outcrop
594625	5371425	NO	SAMPLE	4					Outcrop
594625	5371400	NO	SAMPLE	4					Outcrop
594625	5371375	594624	5371375	4	1598	30	Sand / Clay	Dark brown to grey, fine to medium grained, minor organics	
594625	5371350	NO	SAMPLE	4					Outcrop
594625	5371325	NO	SAMPLE	4					Outcrop
594625	5371300	NO	SAMPLE	4					Outcrop
594625	5371275	594623	5371275	4	1599	30	Sand / Clay / Loom	Dark brown to grey to black, fine to medium grained, minor organics	
594625	5371250	NO	SAMPLE	4					Outcrop
594625	5371225	NO	SAMPLE	4					Outcrop
594625	5371200	NO	SAMPLE	4					Outcrop
594625	5371175	594624	5371174	4	1600	30	Sand / Clay / Loom	Dark brown to grey to black, fine to medium grained, minor organics	
594625	5371150	NO	SAMPLE	4					Outcrop
594625	5371125	594626	5371125	4	1601	30	Loom	Black, fine grained, highly organic	
594625	5371100	594626	5371105	4	1602	30	Sand / Clay	Light grey, fine to medium grained, minor organics	
594625	5371075	NO	SAMPLE	4					Outcrop
594625	5371050	594624	5371050	4	1603	30	Sand / Clay	Dark brown to grey, fine to medium grained, minor organics	
594625	5371025	NO	SAMPLE	4					Outcrop
594625	5371000	594625	5371000	4	1604	30	Sand	Light brown to grey, fine to medium grained, minor organics	
594625	5370975	594624	5370975	4	1605	30	Sand / Clay	Light brown to grey, fine to medium grained, minor organics	
594625	5370950	NO	SAMPLE	4					Outcrop
594625	5370925	NO	SAMPLE	4					Outcrop
594625	5370900	NO	SAMPLE	4					Outcrop
594625	5370875	NO	SAMPLE	4					Outcrop
594625	5370850	594625	5370850	4	1606	30	Sand / Clay	Dark greyish brown, fine to medium grained, minor organics	
594625	5370825	594623	5370824	4	1607	30	Sand / Loom	Dark brown to black, fine to medium grained, highly organic	
594625	5370800	594626	5370801	4	1608	30	Sand	Dark reddish brown, fine to medium grained, minor organics	
594625	5370775	594628	5370774	4	1609	30	Sand	Dark reddish brown, fine to medium grained, minor organics	
594625	5370750	594625	5370748	4	1610	30	Sand	Light greyish brown, fine to medium grained, minor organics	
594625	5370725	594625	5370725	4	1611	30	Sand	Dark reddish brown, fine to medium grained, minor organics	
594625	5370700	594627	5370699	4	1612	30	Sand	Light greyish brown, fine to medium grained, minor organics	

Holloway Tailings MMI Soil Sample Index Sheet (South Block)

Easting (Proposed)	Northing (Proposed)	Easting (Actual)	Northing (Actual)	Line #	Sample Number	Depth of Sample Sample (cm)	Type of Soil	Description of Soil Type	Comments
594725	5371575	NO	SAMPLE	5					Outcrop
594725	5371550	NO	SAMPLE	5					Outcrop
594725	5371525	NO	SAMPLE	5					Outcrop
594725	5371500	NO	SAMPLE	5					Outcrop
594725	5371475	NO	SAMPLE	5					Outcrop
594725	5371450	NO	SAMPLE	5					Outcrop
594725	5371425	NO	SAMPLE	5					Outcrop
594725	5371400	594724	5371397	5	1613	30	Loom / Clay	Dark greyish brown to black, fine to medium grained, highly organic	
594725	5371375	594724	5371374	5	1614	30	Sand	Light greyish brown, fine to medium grained, minor organics	
594725	5371350	NO	SAMPLE	5					Outcrop
594725	5371325	NO	SAMPLE	5					Outcrop
594725	5371300	594721	5371300	5	1615	30	Sand / Clay / Loom	Dark brown to grey to black, fine to medium grained, minor organics	
594725	5371275	594724	5371276	5	1616	30	Sand / Loom	Dark brown to greyish brown, fine to medium grained, minor organics	
594725	5371250	594725	5371250	5	1617	30	Sand / Loom	Dark brown to greyish brown, fine to medium grained, minor organics	
594725	5371225	594730	5371225	5	1618	30	Sand / Clay / Loom	Dark greyish brown, fine to medium grained, minor organics	
594725	5371200	NO	SAMPLE	5					Outcrop
594725	5371175	NO	SAMPLE	5					Outcrop
594725	5371150	NO	SAMPLE	5					Outcrop
594725	5371125	NO	SAMPLE	5					Outcrop
594725	5371100	NO	SAMPLE	5					Outcrop
594725	5371075	NO	SAMPLE	5					Outcrop
594725	5371050	NO	SAMPLE	5					Outcrop
594725	5371025	NO	SAMPLE	5					Outcrop
594725	5371000	594725	5370998	5	1619	30	Sand / Loom	Dark brown to greyish black, fine to medium grained, very organic	
594725	5370975	NO	SAMPLE	5					Outcrop
594725	5370950	NO	SAMPLE	5					Outcrop
594725	5370925	594723	5370921	5	1620	30	Sand / Clay / Loom	Dark brown to grey to black, fine to medium grained, minor organics	
594725	5370900	NO	SAMPLE	5					Outcrop
594725	5370875	NO	SAMPLE	5					Outcrop
594725	5370850	NO	SAMPLE	5					Outcrop
594725	5370825	NO	SAMPLE	5					Outcrop
594725	5370800	NO	SAMPLE	5					Outcrop
594725	5370775	NO	SAMPLE	5					Outcrop
594725	5370750	NO	SAMPLE	5					Outcrop
594725	5370725	594720	5370726	5	1621	30	Sand	Dark reddish brown, fine to medium grained, minor organics	

ASSAY CERTIFICATES



Certificate of Analysis
Work Order : VC173356
[Report File No.: 000025502]

Date: October 25, 2017

To: GREG MATHESON
OSISKO MINING INC
155 UNIVERSITY AVE
SUITE 1440
TORONTO ON M5H 3B7

P.O. No.: 163 MMI samples
Project No.: -
Samples: 84
Received: Sep 26, 2017
Pages: Page 1 to 4
(Inclusive of Cover Sheet)

Methods Summary

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
84	G_LOG02	Pre-preparation processing, sorting, logging, boxing
84	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

Storage: Pulp & Reject

REJECT STORAGE DISPOSE AFTER 30 DAYS

Certified By

John Chiang
QC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer:

L.N.R. = Listed not received
n.a. = Not applicable

I.S. = Insufficient Sample
- = No result

*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law

Element Method Det.Lim. Units	Au	Ag	Cu	As	Zn	Pb	Pd	K
	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
	0.1	0.5	10	10	10	5	1	0.5
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
1890	0.2	17.4	570	30	210	100	<1	13.0
1891	1.1	11.1	420	<10	710	185	<1	33.6
1892	0.2	14.2	760	<10	280	225	<1	25.0
1893	0.2	6.4	230	<10	1480	347	<1	17.2
1894	0.3	9.0	660	<10	1160	102	<1	17.6
1895	0.3	9.2	740	<10	950	78	<1	17.5
1896	<0.1	1.9	310	<10	1130	692	<1	19.7
1897	0.2	6.0	660	<10	450	290	<1	19.2
1898	0.2	2.9	510	<10	860	565	<1	18.6
1899	0.2	3.4	420	<10	970	642	<1	15.5
1900	0.2	4.1	420	<10	1110	479	<1	17.6
1901	0.3	21.2	670	<10	30	77	<1	7.8
1902	0.3	21.7	540	<10	40	85	<1	9.6
1903	0.4	19.0	630	<10	30	56	<1	6.2
1904	<0.1	1.0	100	<10	80	496	<1	12.0
1905	<0.1	1.7	100	<10	60	373	<1	11.0
1906	0.1	1.7	100	<10	70	366	<1	10.4
1907	0.3	20.6	580	<10	30	82	<1	9.7
1908	0.2	14.8	310	<10	190	263	<1	8.8
1909	0.3	22.4	560	<10	30	98	<1	7.7
1910	0.2	4.0	1270	<10	6710	295	<1	9.4
1911	0.2	6.6	1140	<10	7080	226	<1	7.8
1912	0.4	23.8	1190	<10	60	62	<1	12.1
1913	0.3	2.5	760	<10	1470	318	<1	53.9
1914	0.1	35.7	540	30	520	455	<1	40.6
1915	<0.1	13.8	330	30	730	217	<1	17.2
1916	<0.1	13.7	440	40	1190	442	<1	16.0
1917	<0.1	10.4	440	30	1450	417	<1	14.3
1918	0.1	12.0	370	30	830	207	<1	12.6
1919	<0.1	5.8	420	30	3420	1730	<1	18.6
1920	0.3	1.8	390	40	450	202	<1	13.6
1921	<0.1	1.2	320	30	660	351	<1	15.7
1922	<0.1	<0.5	70	20	470	160	<1	56.8
1923	<0.1	1.5	470	50	570	316	<1	16.0
1924	0.1	2.7	160	<10	80	631	<1	13.8
1925	<0.1	6.9	180	<10	40	257	<1	9.6
1926	<0.1	5.2	200	<10	80	327	<1	9.8
1927	<0.1	2.5	190	<10	110	1390	<1	13.3
1928	<0.1	1.7	330	20	420	1140	<1	16.8
1929	<0.1	2.2	290	20	220	452	<1	12.7

This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element Method Det.Lim. Units	Au	Ag	Cu	As	Zn	Pb	Pd	K
	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
	0.1	0.5	10	10	10	5	1	0.5
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
1930	<0.1	2.7	320	20	240	511	<1	12.7
1931	0.3	1.2	420	50	560	287	<1	15.2
1932	<0.1	1.0	230	20	390	248	<1	11.7
1933	0.1	5.5	380	<10	440	397	<1	28.8
1934	0.1	10.5	520	20	470	455	<1	32.5
1935	<0.1	10.3	490	20	360	491	<1	25.6
1936	<0.1	9.5	630	20	370	597	<1	24.0
1937	0.3	22.0	670	<10	40	124	<1	9.6
1938	<0.1	2.2	100	<10	70	442	<1	11.1
1939	<0.1	6.1	1060	<10	170	166	<1	5.0
1940	<0.1	6.7	1030	<10	180	172	<1	7.9
1941	0.5	22.8	690	<10	40	88	<1	9.4
1942	<0.1	6.2	780	<10	160	267	<1	6.3
1943	<0.1	6.4	940	<10	230	227	<1	5.9
1944	0.3	18.5	560	<10	30	130	<1	8.3
1945	<0.1	5.9	1000	<10	210	169	<1	5.2
1946	<0.1	3.4	250	<10	110	453	<1	13.6
1947	0.1	9.3	300	<10	40	89	<1	14.4
1948	0.1	5.6	210	<10	200	149	<1	15.1
1949	0.2	5.1	190	<10	270	176	<1	20.9
1950	<0.1	8.3	280	<10	60	98	<1	14.1
1951	0.1	7.5	230	<10	160	140	<1	16.8
1952	0.2	4.2	160	<10	160	220	<1	16.3
1953	0.4	9.7	420	<10	40	89	<1	8.4
1954	0.2	1.0	180	20	50	72	<1	4.8
1955	0.2	1.0	180	20	50	69	<1	5.4
1956	<0.1	4.5	690	<10	120	110	<1	4.5
1957	0.3	2.7	200	20	60	88	<1	7.3
1958	0.1	5.0	990	<10	190	184	<1	6.6
1959	0.1	4.4	830	<10	140	133	<1	6.3
1960	0.3	1.0	170	20	60	78	<1	4.4
1961	0.2	1.0	180	20	50	90	<1	4.0
1962	0.5	1.0	160	20	40	73	<1	4.1
1963	0.3	1.1	150	20	50	71	<1	4.3
1964	0.4	1.1	190	20	60	69	<1	7.1
1965	0.3	1.0	170	20	40	75	<1	3.7
1966	0.5	9.7	400	<10	40	74	<1	9.1
1967	0.3	1.1	260	30	110	125	<1	8.4
1968	<0.1	7.0	630	<10	280	226	<1	7.1
1969	<0.1	7.2	550	<10	360	249	<1	8.1

This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Termsand-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element Method Det.Lim. Units	Au	Ag	Cu	As	Zn	Pb	Pd	K
	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
	0.1	0.5	10	10	10	5	1	0.5
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
1970	<0.1	7.1	780	<10	160	285	<1	6.3
1971	<0.1	6.2	1080	<10	170	170	<1	4.6
1972	<0.1	6.3	720	<10	150	286	<1	7.3
1973	<0.1	6.4	710	<10	170	308	<1	7.1
*Rep 1894	0.3	11.0	800	<10	1100	92	<1	18.3
*Rep 1906	0.1	1.1	100	<10	70	436	<1	10.3
*Rep 1932	<0.1	1.0	260	20	460	305	<1	12.2
*Rep 1933	0.1	6.5	390	10	390	413	<1	24.1
*Rep 1957	0.3	1.6	190	20	60	84	<1	7.0
*Rep 1969	0.1	6.7	560	<10	330	243	<1	7.6
*Std MMISRM19	4.9	25.1	1930	<10	2090	774	<1	86.5
*Std MMISRM19	4.8	27.4	2170	<10	2350	969	<1	92.3
*Blk BLANK	<0.1	<0.5	<10	<10	<10	<5	<1	<0.5
*Blk BLANK	<0.1	<0.5	<10	<10	<10	<5	<1	<0.5

This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Certificate of Analysis
Work Order : VC173357
[Report File No.: 000025464]

Date: October 24, 2017

To: GREG MATHESON
OSISKO MINING INC
155 UNIVERSITY AVE
SUITE 1440
TORONTO ON M5H 3B7

P.O. No.: 163 MMI samples
Project No.: -
Samples: 79
Received: Sep 26, 2017
Pages: Page 1 to 4
(Inclusive of Cover Sheet)

Methods Summary

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
79	G_LOG02	Pre-preparation processing, sorting, logging, boxing
79	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

Storage: Pulp & Reject

REJECT STORAGE : DISPOSE AFTER 30 DAYS

Certified By

John Chian
QC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

Report Footer: L.N.R. = Listed not received I.S. = Insufficient Sample
n.a. = Not applicable - = No result
*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element Method Det.Lim. Units	Au	Ag	Cu	As	Zn	Pb	Pd	K
	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
	0.1	0.5	10	10	10	5	1	0.5
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
1974	0.1	5.1	1070	<10	230	241	<1	5.4
1975	0.1	6.2	1040	<10	200	166	<1	5.1
1976	<0.1	2.4	270	<10	1790	881	<1	18.1
1977	<0.1	7.1	160	<10	440	528	<1	12.1
1978	0.1	1.1	150	<10	170	624	<1	11.8
1979	<0.1	6.2	200	<10	310	581	<1	10.1
1980	<0.1	5.0	190	<10	280	604	<1	12.5
1981	<0.1	7.4	120	<10	400	301	<1	12.9
1982	<0.1	7.4	110	<10	430	342	<1	13.1
1983	<0.1	6.7	110	<10	400	331	<1	13.5
1984	0.2	7.6	3060	<10	830	1040	<1	23.1
1985	0.1	6.0	2240	<10	850	860	<1	22.0
1986	<0.1	2.9	240	<10	260	375	<1	6.1
1987	<0.1	2.5	260	<10	310	305	<1	5.7
1988	<0.1	2.8	520	<10	130	313	<1	4.3
1989	<0.1	6.5	190	<10	350	544	<1	13.6
1990	<0.1	7.1	130	<10	400	270	<1	18.0
1991	<0.1	7.5	180	<10	330	519	<1	16.8
1992	<0.1	7.3	130	<10	390	321	<1	13.0
1993	<0.1	6.4	190	<10	430	604	<1	11.5
1994	0.2	10.5	470	<10	1050	318	<1	18.0
1995	0.1	12.2	620	<10	840	207	<1	13.8
1996	0.2	15.3	940	<10	400	97	<1	13.2
1997	0.1	5.4	250	<10	1380	463	<1	14.9
1998	0.1	11.2	480	<10	760	194	<1	15.2
1999	0.2	13.9	810	<10	700	128	<1	13.2
2000	0.1	5.5	530	<10	660	586	<1	19.9
1451	<0.1	2.5	500	<10	180	618	<1	9.5
1452	<0.1	5.1	420	<10	730	513	<1	17.4
1453	<0.1	0.9	540	<10	540	1570	<1	14.2
1454	0.1	1.4	340	30	1510	379	<1	21.4
1455	<0.1	0.9	340	40	1930	1090	<1	24.9
1456	<0.1	0.9	330	40	2160	798	<1	23.2
1457	<0.1	0.7	300	40	2460	691	<1	27.1
1458	<0.1	2.3	590	30	1220	1690	<1	13.0
1459	<0.1	<0.5	180	30	490	106	<1	19.5
1460	<0.1	<0.5	20	<10	10	32	<1	3.6
1461	<0.1	1.1	60	<10	20	176	<1	3.7
1462	<0.1	1.5	120	<10	150	345	<1	4.2
1463	<0.1	2.1	110	<10	30	324	<1	3.0

This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Au	Ag	Cu	As	Zn	Pb	Pd	K
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.1	0.5	10	10	10	5	1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
1464	<0.1	0.8	200	<10	2080	417	<1	83.0
1465	<0.1	2.3	260	<10	1030	445	<1	70.1
1466	<0.1	2.0	300	<10	1350	452	<1	57.7
1467	<0.1	1.5	270	<10	1180	507	<1	58.6
1468	<0.1	1.5	260	<10	1360	481	<1	65.3
1469	<0.1	10.1	230	<10	40	350	<1	24.3
1470	0.1	9.9	260	<10	40	373	<1	22.9
1471	<0.1	7.4	260	<10	300	847	<1	27.0
1472	<0.1	7.6	270	<10	240	709	<1	27.2
1473	<0.1	2.2	490	40	3600	2320	<1	15.8
1474	0.1	2.5	510	40	3260	2310	<1	15.4
1475	<0.1	2.5	520	40	2750	1660	<1	21.2
1476	0.1	2.2	540	40	2350	1910	<1	15.5
1477	<0.1	3.5	330	<10	4920	4240	<1	16.8
1478	<0.1	<0.5	130	10	120	142	<1	4.5
1479	<0.1	<0.5	170	10	230	330	<1	9.0
1480	<0.1	<0.5	80	10	110	47	<1	3.6
1481	<0.1	<0.5	90	<10	160	110	<1	6.6
1482	<0.1	1.2	620	<10	670	285	<1	4.6
1483	<0.1	3.9	1620	<10	410	486	<1	7.1
1484	<0.1	1.3	820	<10	390	315	<1	5.6
1485	<0.1	1.9	1100	<10	450	418	<1	5.7
1486	<0.1	3.9	1400	<10	380	473	<1	5.9
1487	<0.1	8.3	580	<10	1200	652	<1	33.4
1488	0.2	9.3	350	<10	350	422	<1	21.9
1489	<0.1	4.0	540	<10	1290	887	<1	29.7
1490	<0.1	6.3	570	<10	1210	740	<1	31.2
1491	0.1	2.3	260	<10	100	193	<1	6.8
1492	0.2	2.8	300	<10	120	160	<1	7.6
1493	0.1	2.0	260	<10	360	470	<1	10.3
1494	0.1	2.4	320	<10	230	247	<1	7.7
1495	0.4	2.8	1040	<10	130	142	<1	5.4
1496	<0.1	6.4	360	10	140	251	<1	21.1
1497	0.2	3.6	400	20	120	222	<1	21.6
1498	0.3	6.7	340	<10	130	226	<1	31.6
1499	<0.1	3.3	670	<10	270	481	<1	11.8
1500	<0.1	3.8	840	<10	200	344	<1	9.9
1501	<0.1	5.1	840	<10	230	360	<1	9.1
1502	<0.1	3.7	800	<10	240	352	<1	12.2
*Rep 1976	<0.1	2.1	280	<10	1850	828	<1	17.0

This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element Method Det.Lim. Units	Au	Ag	Cu	As	Zn	Pb	Pd	K
	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
	0.1	0.5	10	10	10	5	1	0.5
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
*Rep 1451	<0.1	1.6	540	<10	220	630	<1	9.8
*Rep 1459	<0.1	<0.5	120	30	300	86	<1	21.9
*Rep 1473	0.1	1.9	490	40	3370	1880	<1	14.9
*Rep 1488	<0.1	10.2	340	<10	360	430	<1	22.1
*Rep 1491	0.1	2.3	270	<10	140	184	<1	7.2
*Std AMIS0169	0.6	10.0	3690	<10	190	107	<1	43.5
*Std MMISRM19	4.3	29.6	2190	<10	2670	976	<1	97.0
*Blk BLANK	<0.1	<0.5	<10	<10	<10	<5	<1	<0.5
*Blk BLANK	<0.1	<0.5	<10	<10	<10	<5	<1	<0.5

This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.



Certificate of Analysis
Work Order : VC173450
[Report File No.: 000025503]

Date: October 25, 2017

To: GREG MATHESON
OSISKO MINING INC
 155 UNIVERSITY AVE
 SUITE 1440
 TORONTO ON M5H 3B7

P.O. No.: 119 MMI samples
Project No.: -
Samples: 119
Received: Sep 29, 2017
Pages: Page 1 to 5
 (Inclusive of Cover Sheet)

Methods Summary

<u>No. Of Samples</u>	<u>Method Code</u>	<u>Description</u>
119	G_LOG02	Pre-preparation processing, sorting, logging, boxing
119	GE_MMI_M	Mobile Metal ION standard package/ICP-MS

Storage: Pulp & Reject

REJECT STORAGE DISPOSE AFTER 30 DAYS

Certified By :



John Chiang
 QC Chemist

SGS Minerals Services Geochemistry Vancouver conforms to the requirements of ISO/IEC 17025 for specific tests as listed on their scope of accreditation which can be found at <http://www.scc.ca/en/search/palcan/sgs>

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

*INF = Composition of this sample makes detection impossible by this method
M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion
 Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
 Elements marked with the @ symbol (e.g. @Cu) denote assays performed using accredited test methods

This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law

Element Method Det.Lim. Units	Au	Ag	Cu	As	Zn	Pb	Pd	K
	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
	0.1	0.5	10	10	10	5	1	0.5
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
1503	0.1	1.3	550	20	290	212	<1	8.3
1504	0.2	1.4	520	30	190	222	<1	8.2
1505	0.2	1.2	530	20	260	353	<1	9.3
1506	0.2	1.2	620	20	280	358	<1	7.7
1507	<0.1	1.2	690	20	180	169	<1	5.5
1508	<0.1	<0.5	260	20	350	396	<1	8.7
1509	<0.1	0.6	220	40	650	460	<1	6.1
1510	<0.1	1.1	2040	<10	170	196	<1	3.3
1511	<0.1	1.0	210	<10	270	86	<1	6.6
1512	<0.1	<0.5	1070	<10	370	125	<1	0.8
1513	<0.1	<0.5	210	40	1600	404	<1	7.3
1514	<0.1	0.9	1150	<10	420	135	<1	2.8
1515	<0.1	0.6	610	<10	1190	372	<1	1.7
1516	<0.1	<0.5	80	30	110	49	<1	25.4
1517	<0.1	<0.5	280	60	440	190	<1	35.2
1518	<0.1	<0.5	80	20	150	88	<1	22.3
1519	0.1	<0.5	910	30	400	215	<1	9.1
1520	0.1	3.2	480	70	370	418	<1	14.9
1521	<0.1	1.3	720	10	810	790	<1	12.3
1522	0.2	3.0	260	30	150	279	<1	10.5
1523	<0.1	7.0	190	<10	70	327	<1	7.2
1524	0.1	2.4	500	20	250	295	<1	6.6
1525	<0.1	<0.5	560	40	2160	2110	<1	19.9
1526	0.1	<0.5	610	40	210	193	<1	13.2
1527	0.2	<0.5	480	50	520	632	<1	17.9
1528	0.1	<0.5	580	30	220	271	<1	15.6
1529	<0.1	1.0	660	<10	70	120	<1	3.8
1530	<0.1	1.0	600	10	180	152	<1	5.7
1531	<0.1	1.1	700	10	110	109	<1	4.4
1532	<0.1	1.0	490	10	250	266	<1	5.6
1533	0.1	<0.5	550	30	260	678	<1	6.5
1534	0.1	<0.5	450	40	390	1880	<1	8.7
1535	<0.1	<0.5	830	20	470	1010	<1	9.5
1536	0.2	<0.5	390	30	160	531	<1	5.7
1537	0.2	6.9	440	<10	1420	206	<1	8.6
1538	0.1	4.3	190	<10	2770	382	<1	12.6
1539	<0.1	6.5	310	<10	1920	291	<1	10.1
1540	0.1	7.5	390	<10	1540	218	<1	11.1
1541	<0.1	4.9	690	<10	2830	139	<1	9.6
1542	0.2	3.4	630	<10	4070	366	<1	11.2

This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element Method Det.Lim. Units	Au	Ag	Cu	As	Zn	Pb	Pd	K
	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
	0.1	0.5	10	10	10	5	1	0.5
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
1543	0.1	4.6	850	<10	2970	154	<1	8.0
1544	0.1	4.7	640	<10	2810	194	<1	11.4
1545	0.1	9.1	240	20	1660	526	<1	22.1
1546	0.2	11.1	360	30	650	269	<1	27.7
1547	0.1	11.4	240	20	1050	361	<1	23.1
1548	0.2	14.3	290	20	950	422	<1	26.9
1549	0.1	26.4	210	20	280	157	<1	41.7
1550	0.2	27.5	210	20	180	149	<1	39.1
1551	0.1	26.9	260	20	460	227	<1	35.0
1552	0.1	31.2	210	20	210	123	<1	39.1
1553	<0.1	0.5	650	60	1740	3580	<1	24.8
1554	<0.1	<0.5	130	20	320	94	<1	7.4
1555	0.2	7.6	1260	<10	40	246	<1	2.9
1556	<0.1	<0.5	350	<10	910	452	<1	5.0
1557	<0.1	<0.5	430	<10	220	156	<1	2.9
1558	<0.1	<0.5	140	10	1010	172	<1	9.6
1559	<0.1	<0.5	330	20	230	124	<1	14.1
1560	<0.1	<0.5	500	<10	70	25	<1	10.2
1561	0.1	0.7	480	40	530	519	<1	15.4
1562	0.1	<0.5	520	20	250	223	<1	11.2
1563	0.1	<0.5	560	50	660	669	<1	13.5
1564	0.1	1.1	640	70	390	216	<1	18.9
1565	0.1	0.5	450	70	190	274	<1	18.2
1566	<0.1	0.6	380	<10	150	41	<1	11.1
1567	0.1	3.2	510	30	790	405	<1	14.5
1568	<0.1	1.5	670	80	1890	2860	<1	25.6
1569	0.2	8.3	400	40	440	247	<1	10.2
1570	<0.1	<0.5	320	<10	890	975	<1	5.2
1571	0.2	17.9	430	30	720	443	<1	27.0
1572	0.1	9.1	250	<10	630	301	<1	12.5
1573	<0.1	4.0	190	10	1470	117	<1	9.7
1574	<0.1	3.9	170	10	200	473	<1	17.5
1575	<0.1	2.4	490	10	790	160	<1	9.2
1576	<0.1	<0.5	610	80	780	2840	<1	27.1
1577	<0.1	<0.5	160	30	400	351	<1	16.5
1578	0.2	<0.5	260	50	2210	1060	<1	23.8
1579	0.1	<0.5	280	60	2500	776	<1	23.7
1580	<0.1	0.5	140	30	2430	249	<1	16.8
1581	0.1	0.7	150	30	1590	137	<1	16.9
1582	<0.1	1.0	290	20	1530	153	<1	14.5

This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Au	Ag	Cu	As	Zn	Pb	Pd	K
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.1	0.5	10	10	10	5	1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
1583	0.2	0.6	260	40	1650	254	<1	23.9
1584	<0.1	1.3	140	70	660	433	<1	9.4
1585	<0.1	0.9	290	70	700	1100	<1	14.7
1586	<0.1	1.5	220	40	1140	954	<1	12.2
1587	0.1	2.5	480	<10	290	54	<1	2.1
1588	<0.1	3.3	560	<10	180	68	<1	1.4
1589	<0.1	1.4	510	<10	1100	334	<1	4.4
1590	0.1	1.9	490	<10	560	181	<1	3.1
1591	0.1	1.6	350	30	1600	1600	<1	11.4
1592	0.1	3.1	250	30	660	700	<1	9.7
1593	0.1	1.7	330	40	1170	1410	<1	11.5
1594	0.1	2.8	320	30	1100	1230	<1	12.3
1595	0.1	2.0	340	60	1600	2240	<1	12.8
1596	0.1	0.7	600	80	310	873	<1	7.4
1597	0.2	0.7	620	70	370	593	<1	7.2
1598	0.2	1.4	720	70	570	958	<1	13.5
1599	<0.1	<0.5	800	60	1430	2280	<1	12.6
1600	<0.1	3.8	810	30	380	863	<1	13.8
1601	<0.1	0.8	170	<10	140	762	<1	8.4
1602	0.2	0.7	360	40	280	301	<1	13.9
1603	0.2	1.7	430	30	1130	448	<1	7.6
1604	0.2	2.6	440	70	1190	763	<1	15.6
1605	0.3	3.1	340	40	610	1280	<1	9.4
1606	0.1	1.8	430	60	1100	2210	<1	21.3
1607	<0.1	0.7	1580	10	3090	328	<1	9.6
1608	0.2	5.2	1310	20	1020	530	<1	13.1
1609	0.3	4.4	1230	20	1260	919	<1	14.0
1610	0.2	5.4	510	100	930	2970	<1	21.1
1611	0.2	3.9	810	70	660	266	<1	22.2
1612	0.2	9.2	490	70	370	852	<1	17.0
1613	<0.1	<0.5	610	40	440	584	<1	22.4
1614	0.2	3.0	660	210	1550	1190	<1	26.8
1615	0.1	1.8	1020	30	480	420	<1	13.3
1616	0.2	0.8	540	60	750	906	<1	21.5
1617	<0.1	<0.5	350	80	400	379	<1	24.9
1618	<0.1	3.9	360	30	200	322	<1	7.5
1619	0.1	1.0	350	20	190	241	<1	17.4
1620	0.1	0.7	680	20	510	768	<1	12.5
1621	<0.1	3.9	840	20	1500	594	<1	10.7
*Rep 1523	0.1	7.1	190	<10	90	334	<1	8.0

This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Element	Au	Ag	Cu	As	Zn	Pb	Pd	K
Method	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M	GE_MMI_M
Det.Lim.	0.1	0.5	10	10	10	5	1	0.5
Units	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
*Rep 1543	<0.1	4.6	870	<10	3570	173	<1	9.3
*Rep 1551	0.2	29.5	290	20	470	226	<1	37.7
*Rep 1572	0.2	9.8	260	<10	760	303	<1	13.6
*Rep 1577	<0.1	<0.5	180	30	430	432	<1	17.0
*Rep 1592	0.1	2.9	270	30	630	849	<1	9.4
*Rep 1609	0.2	4.9	1170	20	1210	960	<1	12.8
*Rep 1611	0.2	3.9	810	80	760	326	<1	22.5
*Std MMISRM19	6.6	28.4	2040	<10	2070	884	<1	85.5
*Std MMISRM19	5.6	29.1	2250	<10	2420	979	<1	89.3
*Std AMIS0169	0.5	10.4	3730	<10	180	90	<1	41.4
*Blk BLANK	<0.1	<0.5	<10	<10	<10	<5	<1	<0.5
*Blk BLANK	<0.1	<0.5	<10	<10	<10	<5	<1	<0.5
*Blk BLANK	<0.1	<0.5	<10	<10	<10	<5	<1	<0.5

This document is issued by the Company under its General Conditions of Service accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.

WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was (were) drawn and / or provided by the Client or by a third party acting at the Client's direction. The Findings constitute no warranty of the sample's representativity of the goods and strictly relate to the sample (s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted. The findings report on the samples provided by the client and are not intended for commercial or contractual settlement purposes. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

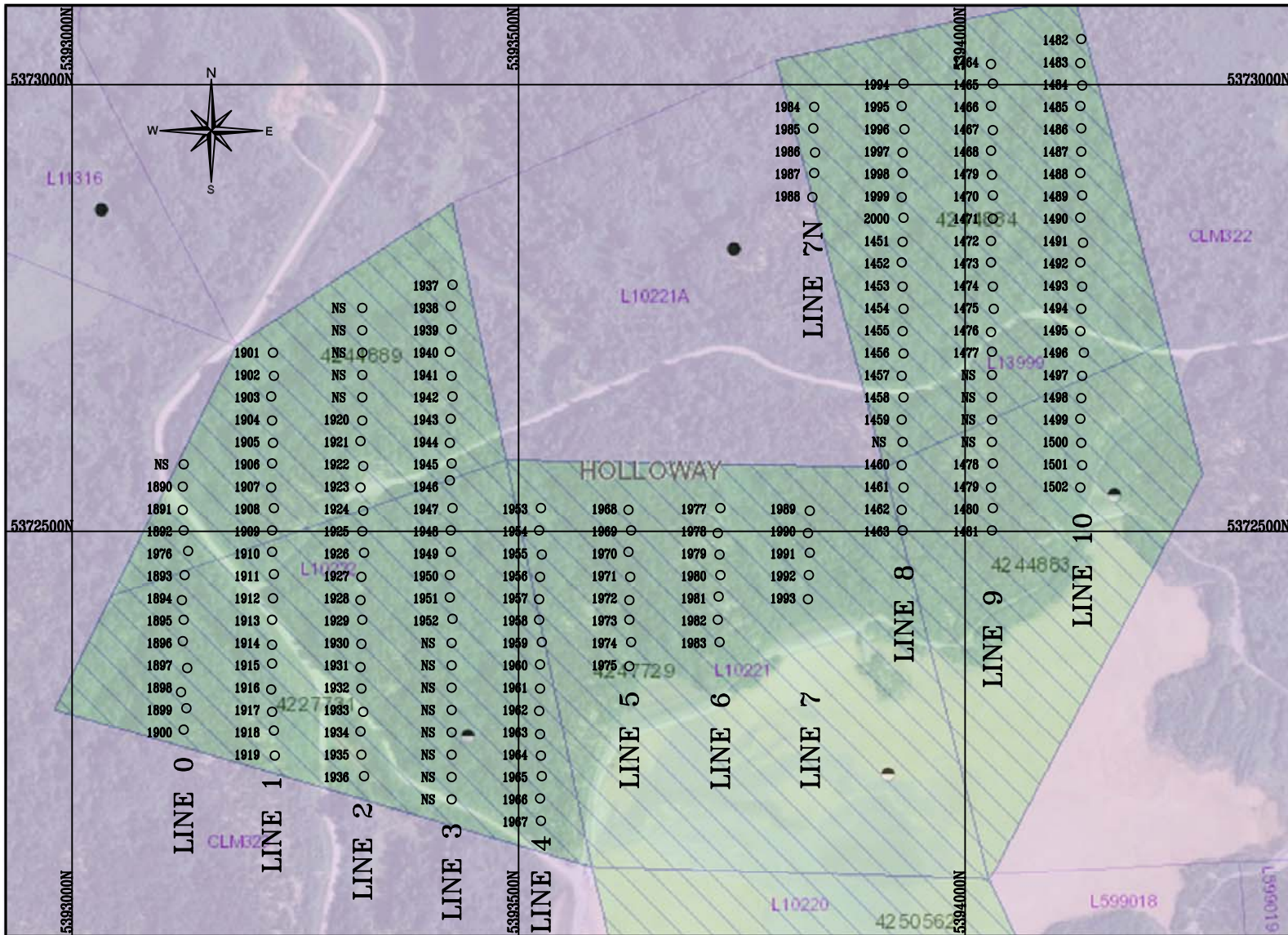
SOIL SAMPLE PLAN MAPS



Holloway Tailings Property North Block

Unpatented Mining Claims

North Block-4227731,4244863,4244864,4244869,4247729 and 4250562
Larder Lake Mining Division
Ontario, Canada



LEGEND

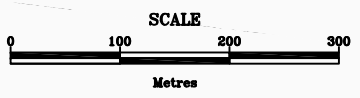
Unpatented Claim

Sample Number Element (ppb)
1751 0.20

Sample Location

Sample Location Plan

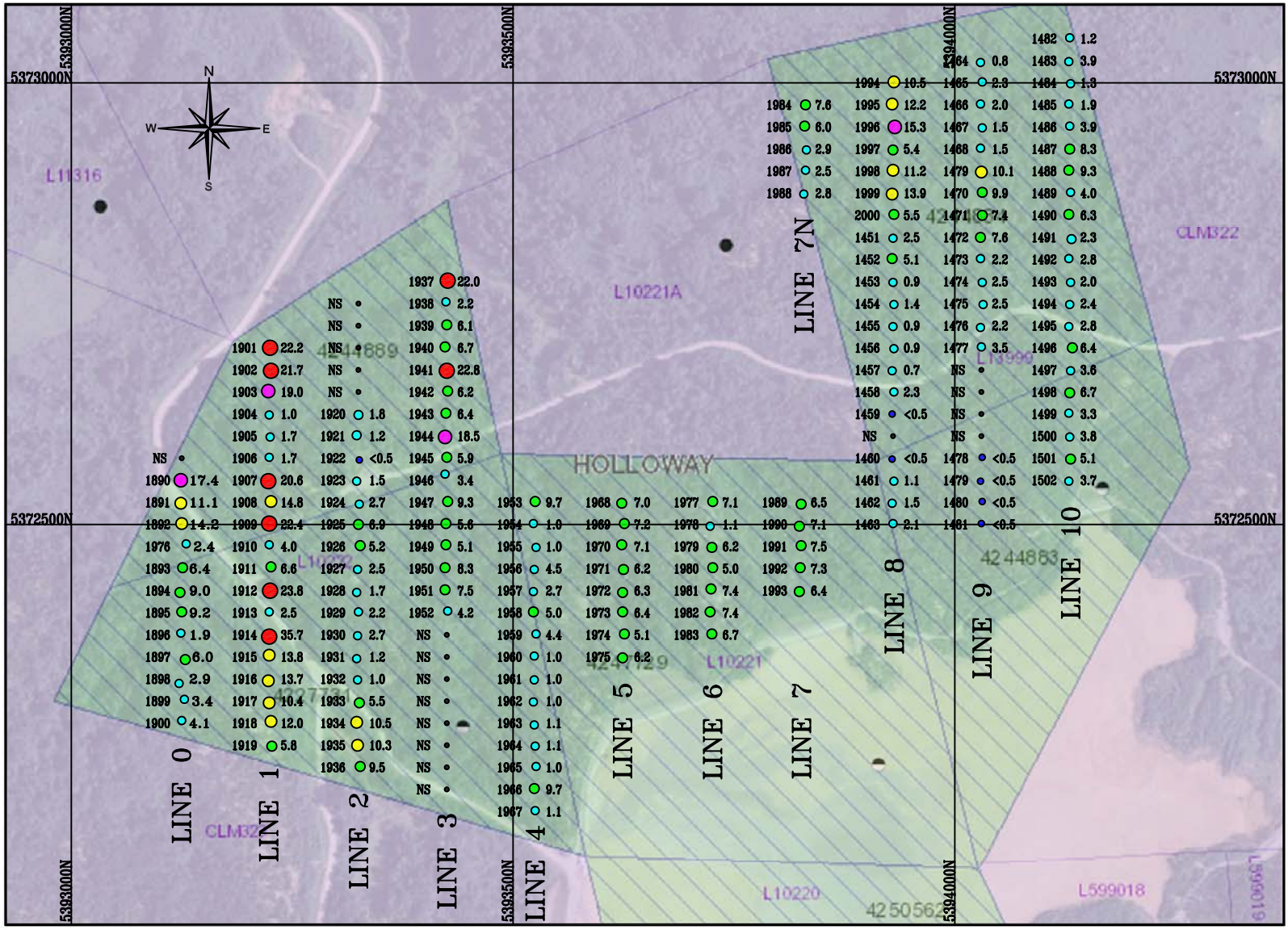
Mobile Metal Ions Process Geochemical Soil Sample Survey





Holloway Tailings Property North Block

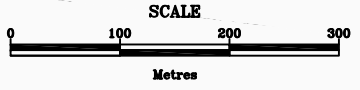
Unpatented Mining Claims
North Block-4227731,4244883,4244884,4244889,4247729 and 4250562
Larder Lake Mining Division
Ontario, Canada

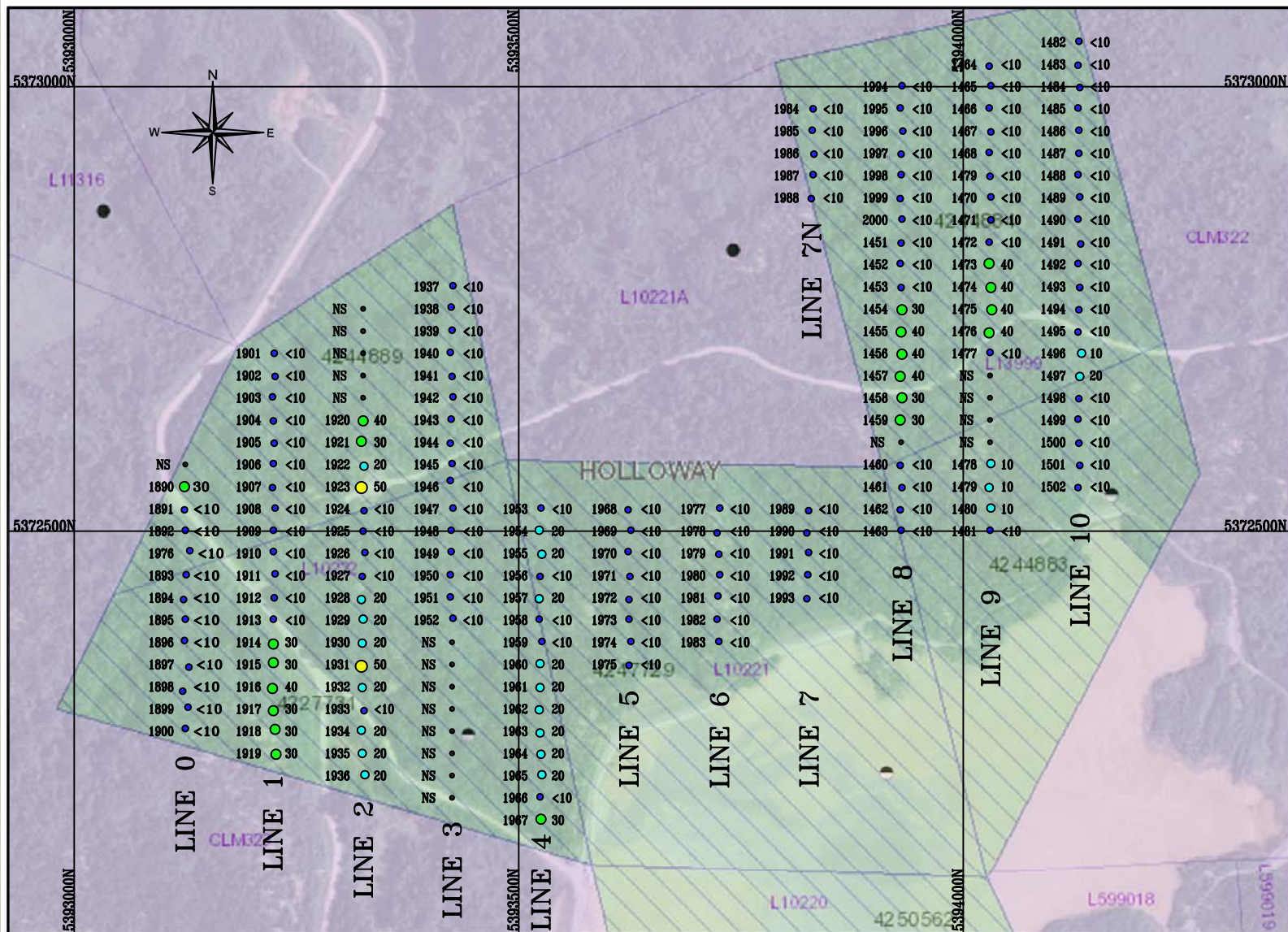


LEGEND

- Unpatented Claim
- Sample Number Element (ppb)
- 1751 0.20
- Sample Location
- Ag (ppb)
- (Detection Limit = 0.5 ppb)
- < 0.5
- 0.5 - 4.9
- 5.0 - 9.9
- 10.0 - 14.9
- 15.0 - 19.9
- 20.0 and greater

Mobile Metal Ions Process Geochemical Soil Sample Survey





LEGEND

Unpatented Claim

Sample Number Element (ppb)

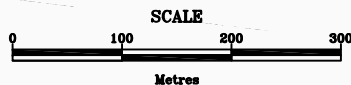
1751 0.20

○ Sample Location

As (ppb)
(Detection Limit = 10ppb)

- < 10
- 10 - 29.9
- 30 - 49.9
- 50 - 79.9
- 80 - 99.9
- 100 and greater

Mobile Metal Ions Process Geochemical Soil Sample Survey

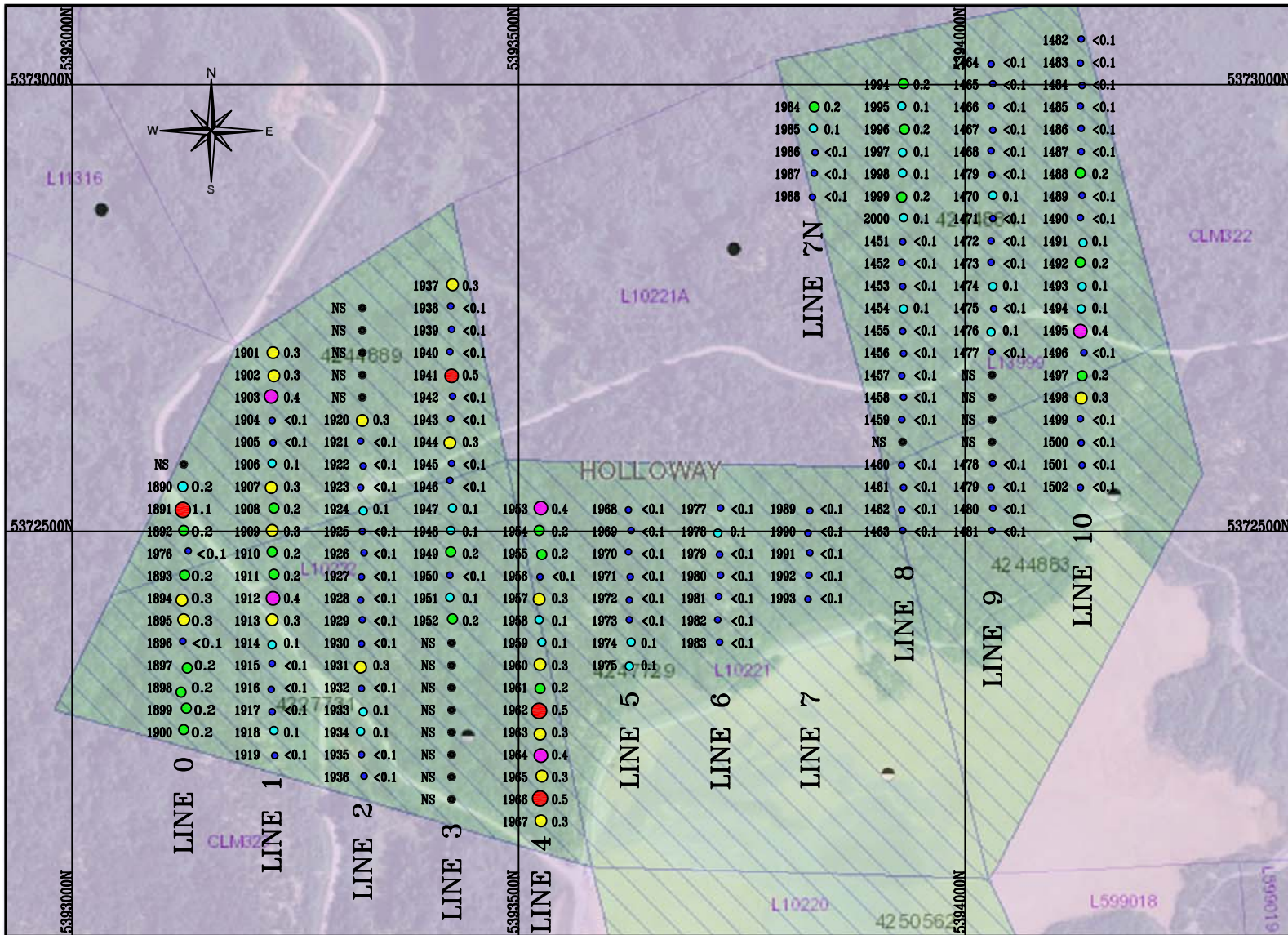




Holloway Tailings Property North Block

Unpatented Mining Claims

North Block-4227731,4244883,4244884,4244889,4247729 and 4250562
Larder Lake Mining Division
Ontario, Canada



LEGEND

Unpatented Claim

Sample Number Element (ppb)

1751 \circ 0.20

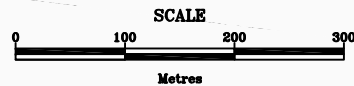
Sample Location

Au (ppb)

(Detection Limit = 0.10 ppb)

- < 0.10
- 0.10 - 0.19
- 0.20 - 0.29
- 0.30 - 0.39
- 0.40 - 0.49
- 0.50 and greater

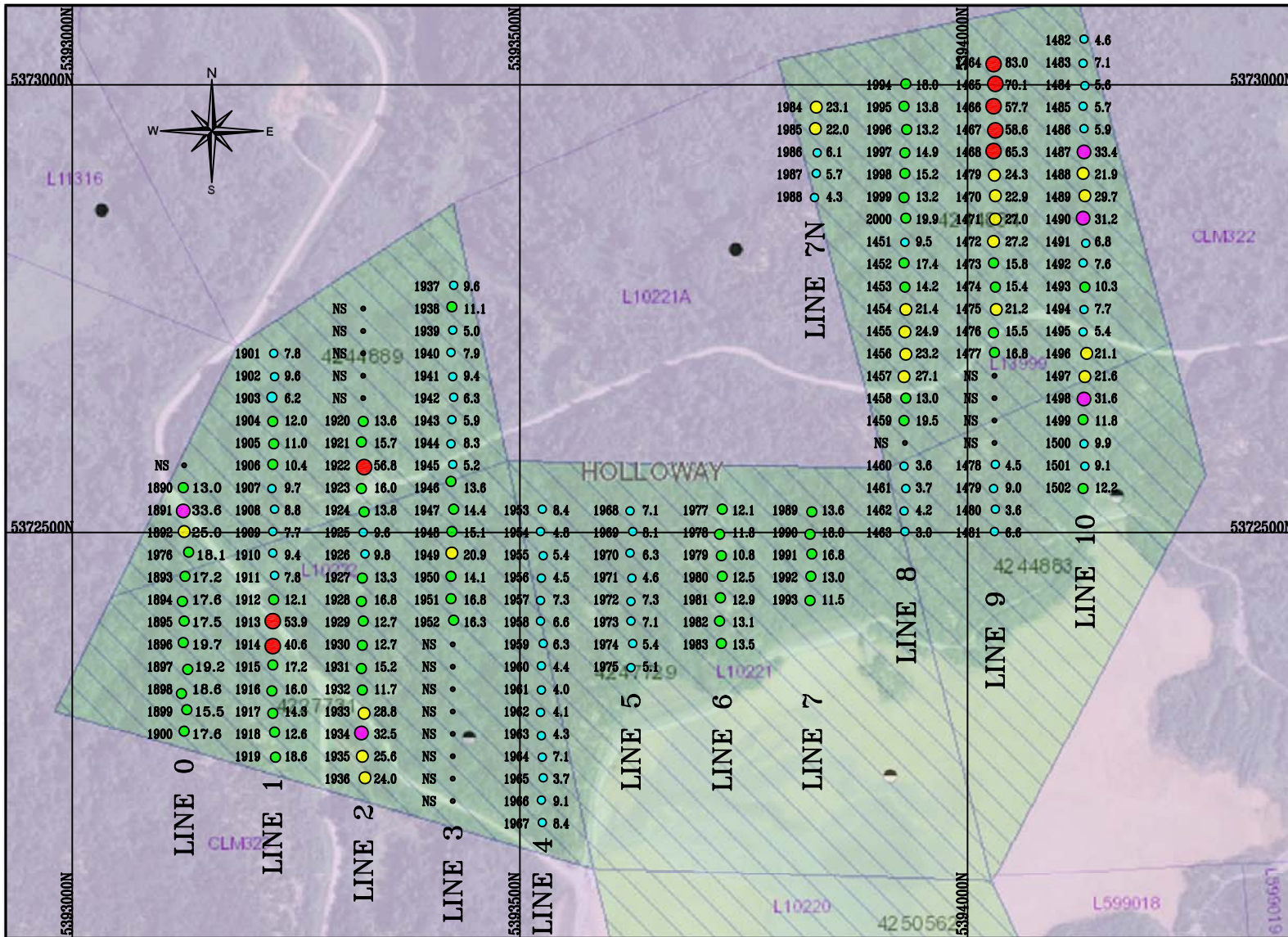
Mobile Metal Ions Process Geochemical Soil Sample Survey





Holloway Tailings Property North Block

Unpatented Mining Claims
North Block-4227731,4244883,4244884,4244889,4247729 and 4250562
Larder Lake Mining Division
Ontario, Canada



LEGEND

Unpatented Claim

Sample Number Element (ppb)

1751 0.20

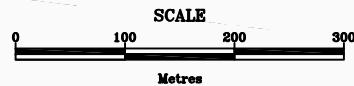
Sample Location

K (ppm)

(Detection Limit = 0.5 ppm)

- < 0.5
- 0.5 - 9.9
- 10.0 - 19.9
- 20.0 - 29.9
- 30.0 - 39.9
- 40.0 and greater

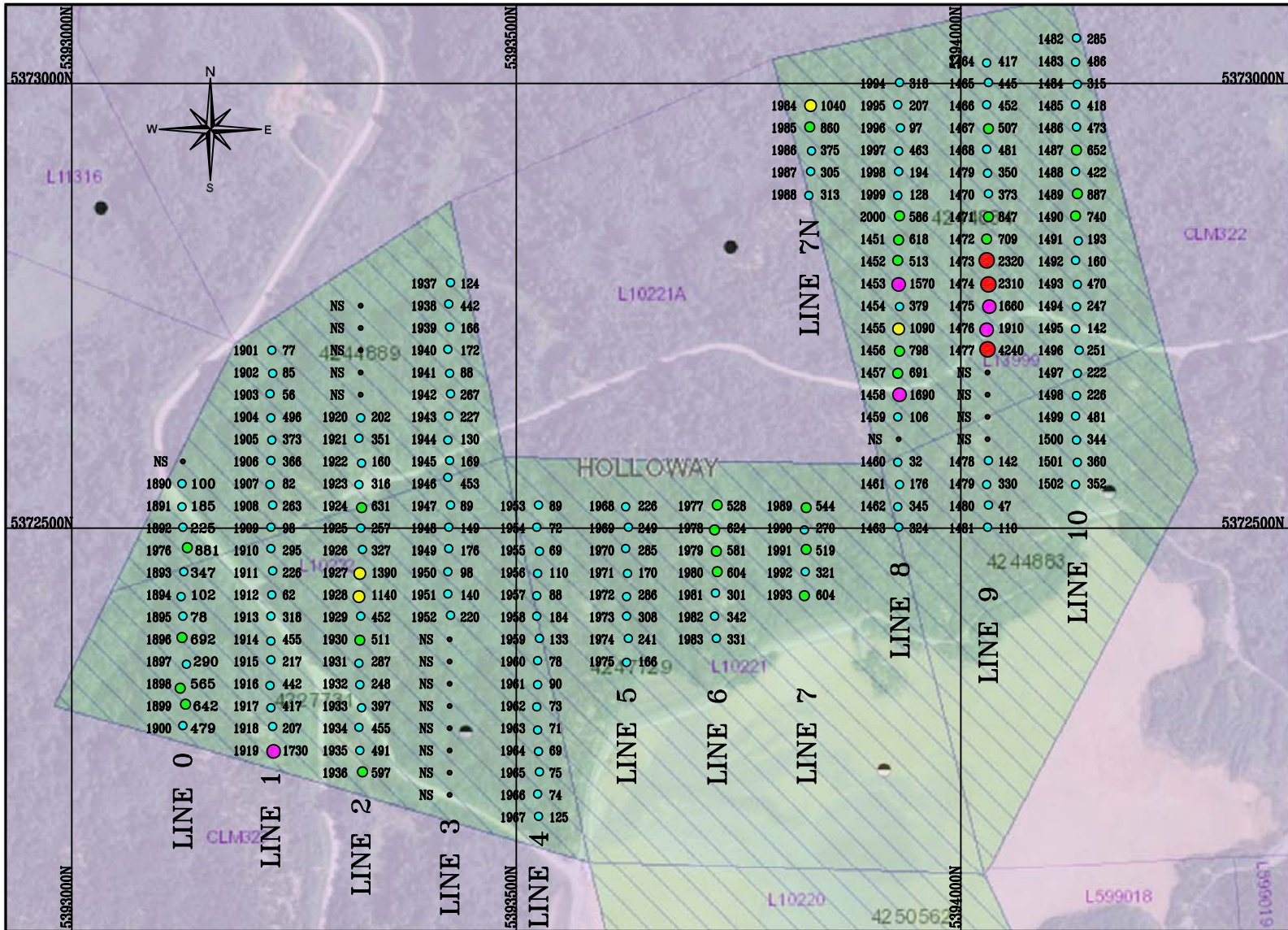
Mobile Metal Ions Process Geochemical Soil Sample Survey





Holloway Tailings Property North Block

Unpatented Mining Claims
North Block-4227731,4244883,4244884,4244889,4247729 and 4250562
Larder Lake Mining Division
Ontario, Canada



LEGEND

Unpatented Claim

Sample Number Element (ppb)

1751 0.20

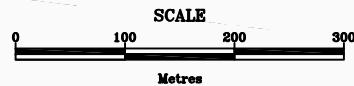
Sample Location

Pb (ppb)

(Detection Limit = 5 ppb)

- < 5
- 5 - 499.9
- 500 - 999.9
- 1000 - 1499.9
- 1500 - 1999.9
- 2000 and greater

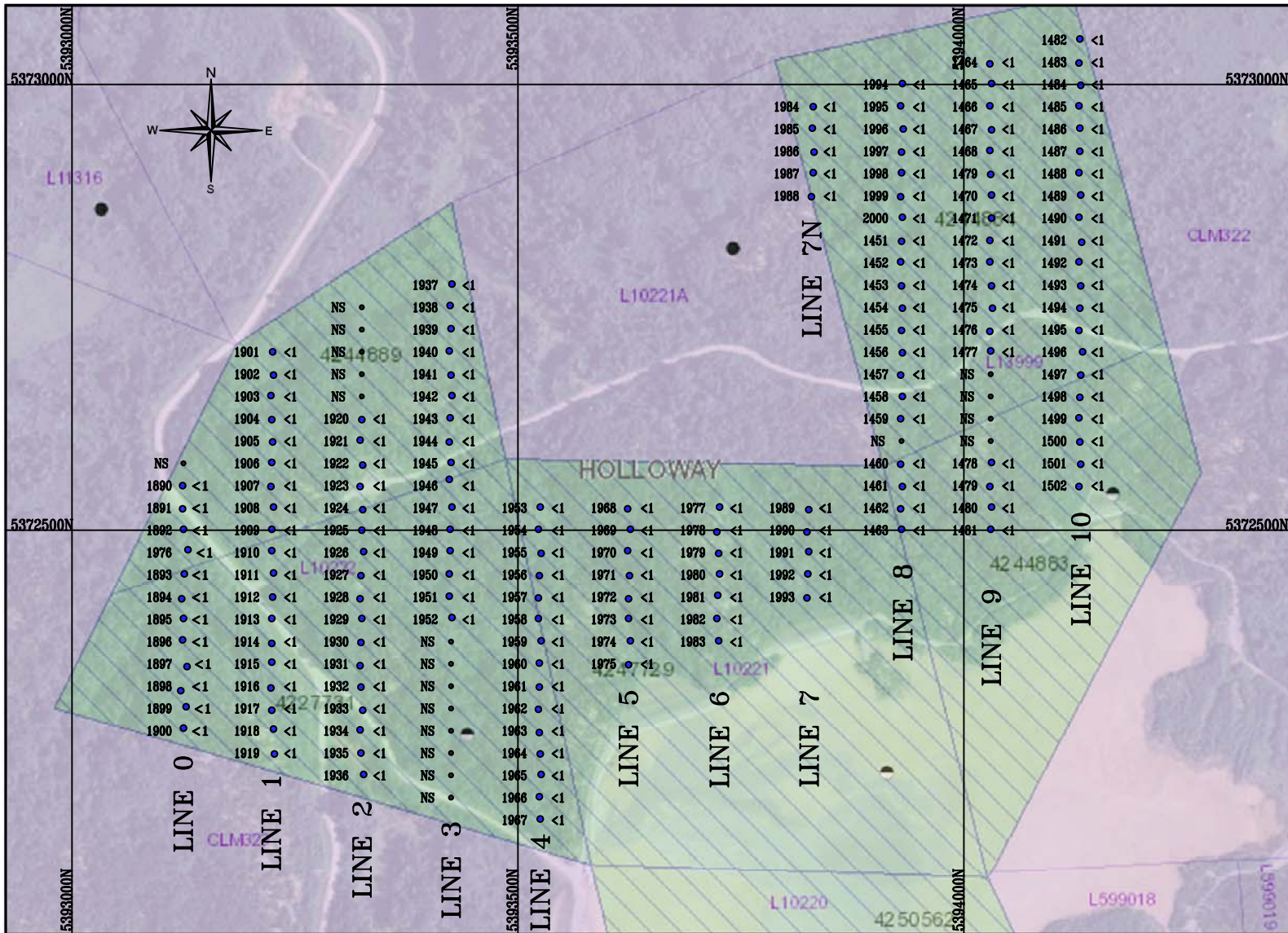
Mobile Metal Ions Process Geochemical Soil Sample Survey





Holloway Tailings Property North Block

Unpatented Mining Claims
 North Block-4227731,4244883,4244884,4244889,4247729 and 4250562
 Larder Lake Mining Division
 Ontario, Canada



LEGEND

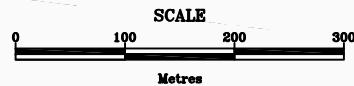
Unpatented Claim

Sample Number Element (ppb)
 1751 O 0.20
 Sample Location

Pd (ppb)
 (Detection Limit = 1.0 ppb)

- Blue dot: < 1.0
- Green dot: 1.0 - 1.9
- Yellow dot: 2.0 - 2.9
- Orange dot: 3.0 - 3.9
- Pink dot: 4.0 - 4.9
- Red dot: 5.0 and greater

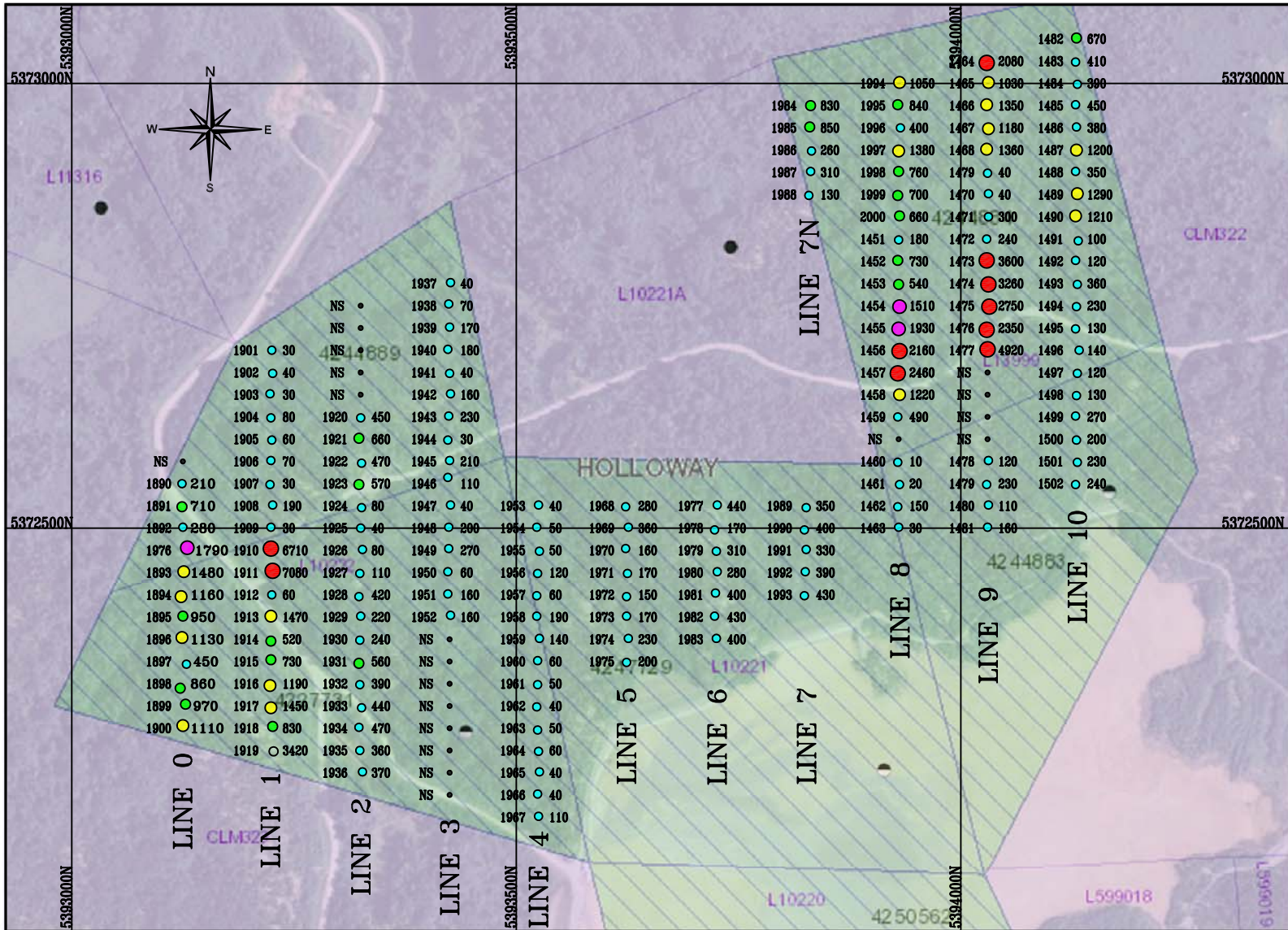
Mobile Metal Ions Process Geochemical Soil Sample Survey





Holloway Tailings Property North Block

Unpatented Mining Claims
North Block-4227731,4244883,4244884,4244889,4247729 and 4250562
Larder Lake Mining Division
Ontario, Canada



LEGEND

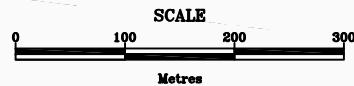
Unpatented Claim

Sample Number Element (ppb)
1751 0.20
Sample Location

Zn (ppb)
(Detection Limit = 10 ppb)

- < 10
- 10 - 499.9
- 500 - 999.9
- 1000 - 1499.9
- 1500 - 1999.9
- 2000 and greater

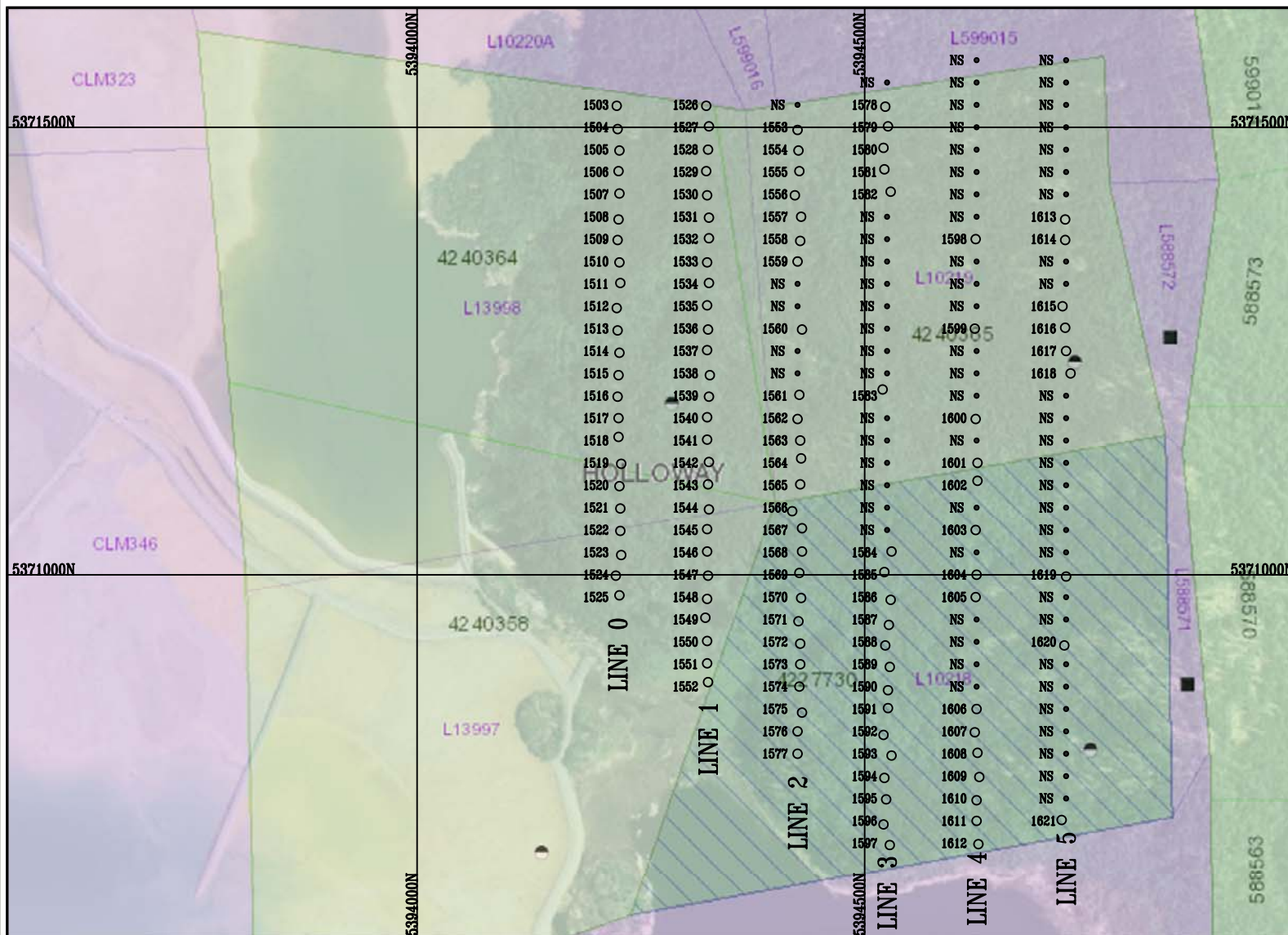
Mobile Metal Ions Process Geochemical Soil Sample Survey





Holloway Tailings Property South Block

Unpatented Mining Claims
South Block-4240365,4240364,4240358 and 4227730
Larder Lake Mining Division
Ontario, Canada



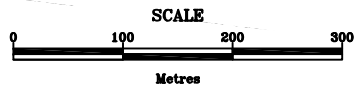
LEGEND

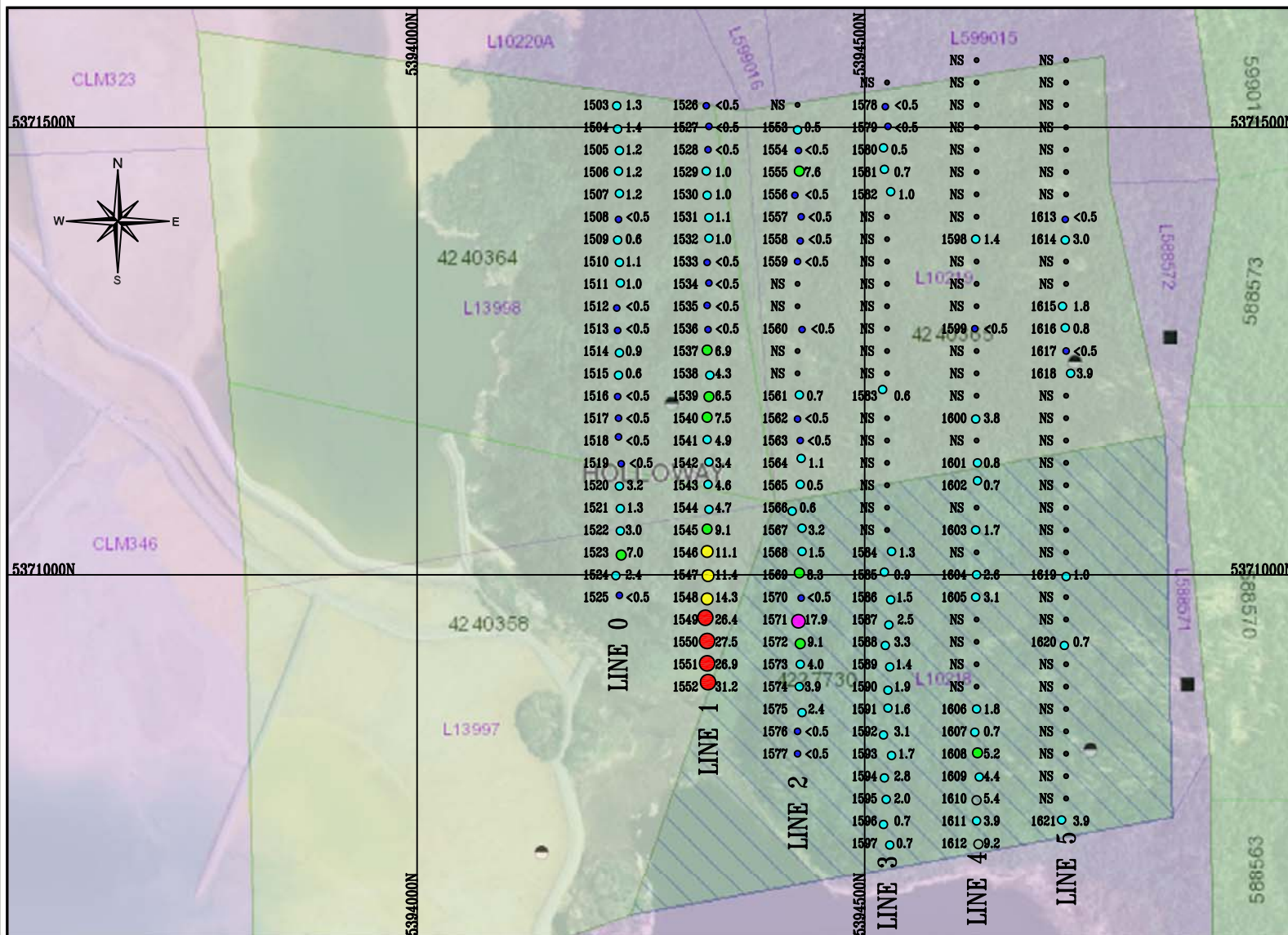
Unpatented Claim

Sample Number Element (ppb)
1751 0.20
Sample Location

Sample Location Plan

Mobile Metal Ions Process Geochemical Soil Sample Survey





LEGEND

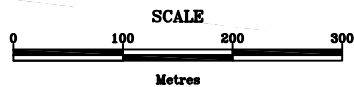
Unpatented Claim

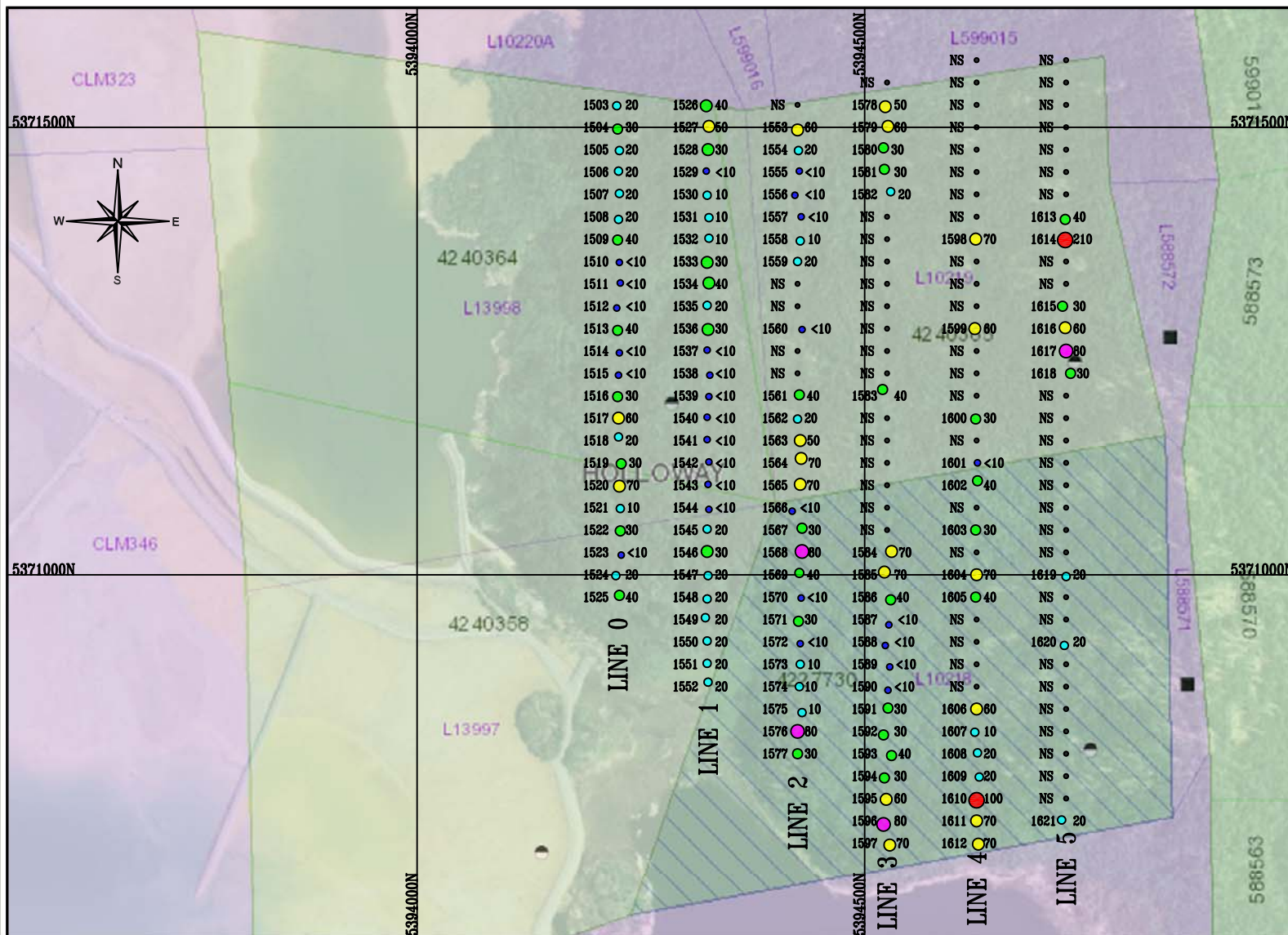
Sample Number Element (ppb)
1751 0.20
Sample Location

Ag (ppb)
(Detection Limit = 0.5 ppb)

- < 0.5
- 0.5 - 4.9
- 5.0 - 9.9
- 10.0 - 14.9
- 15.0 - 19.9
- 20.0 and greater

Mobile Metal Ions Process Geochemical Soil Sample Survey





LEGEND

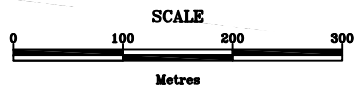
Unpatented Claim

Sample Number Element (ppb)
1751 0.20
Sample Location

As (ppb)
(Detection Limit = 10 ppb)

- < 10
- 10 - 29.9
- 30 - 49.9
- 50 - 79.9
- 80 - 99.9
- 100 and greater

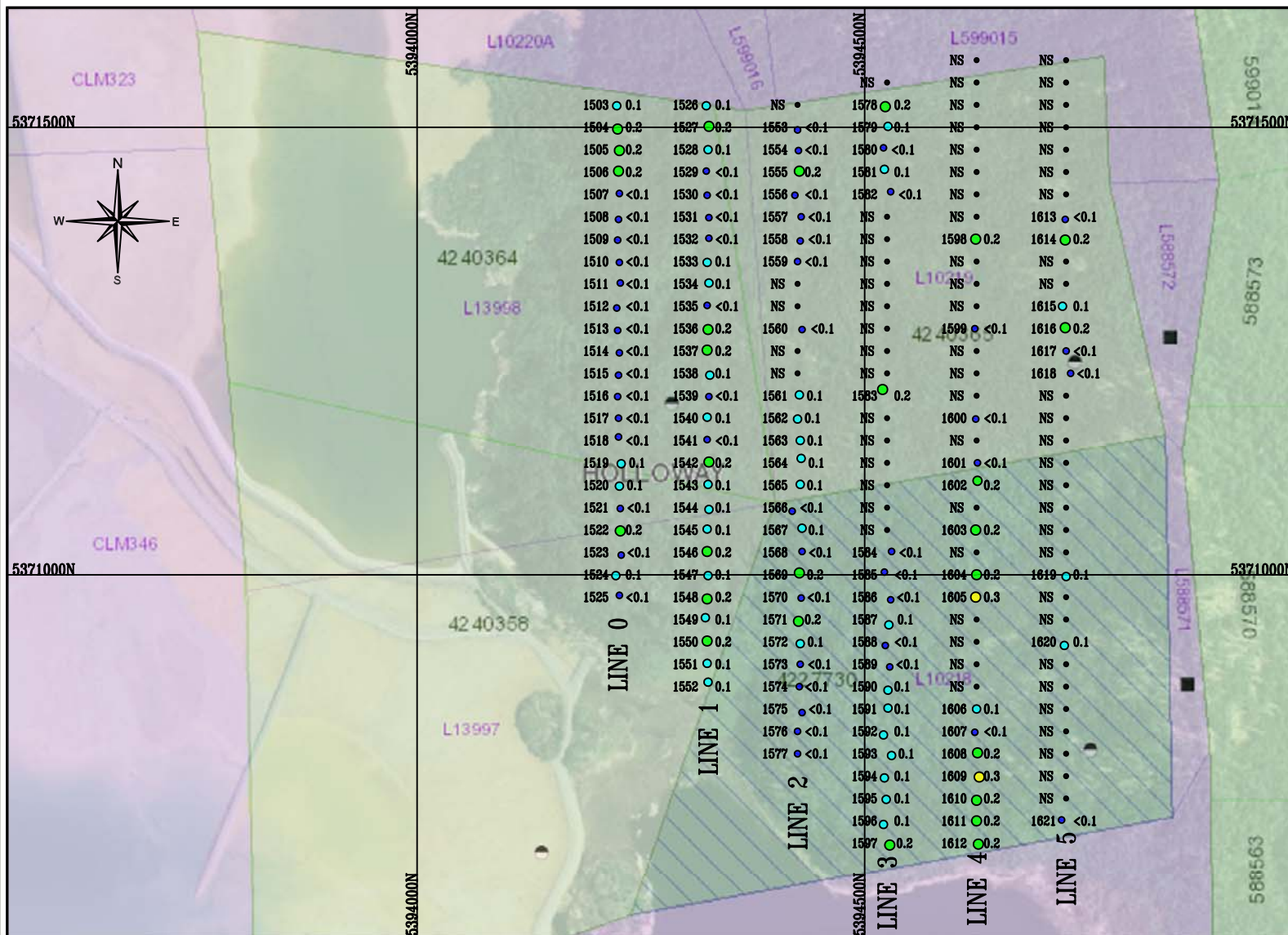
Mobile Metal Ions Process Geochemical Soil Sample Survey





Holloway Tailings Property South Block

Unpatented Mining Claims
South Block-4240365,4240364,4240358 and 4227730
Larder Lake Mining Division
Ontario, Canada



LEGEND

Unpatented Claim

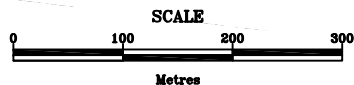
Sample Number Element (ppb)
1751 0.20
Sample Location

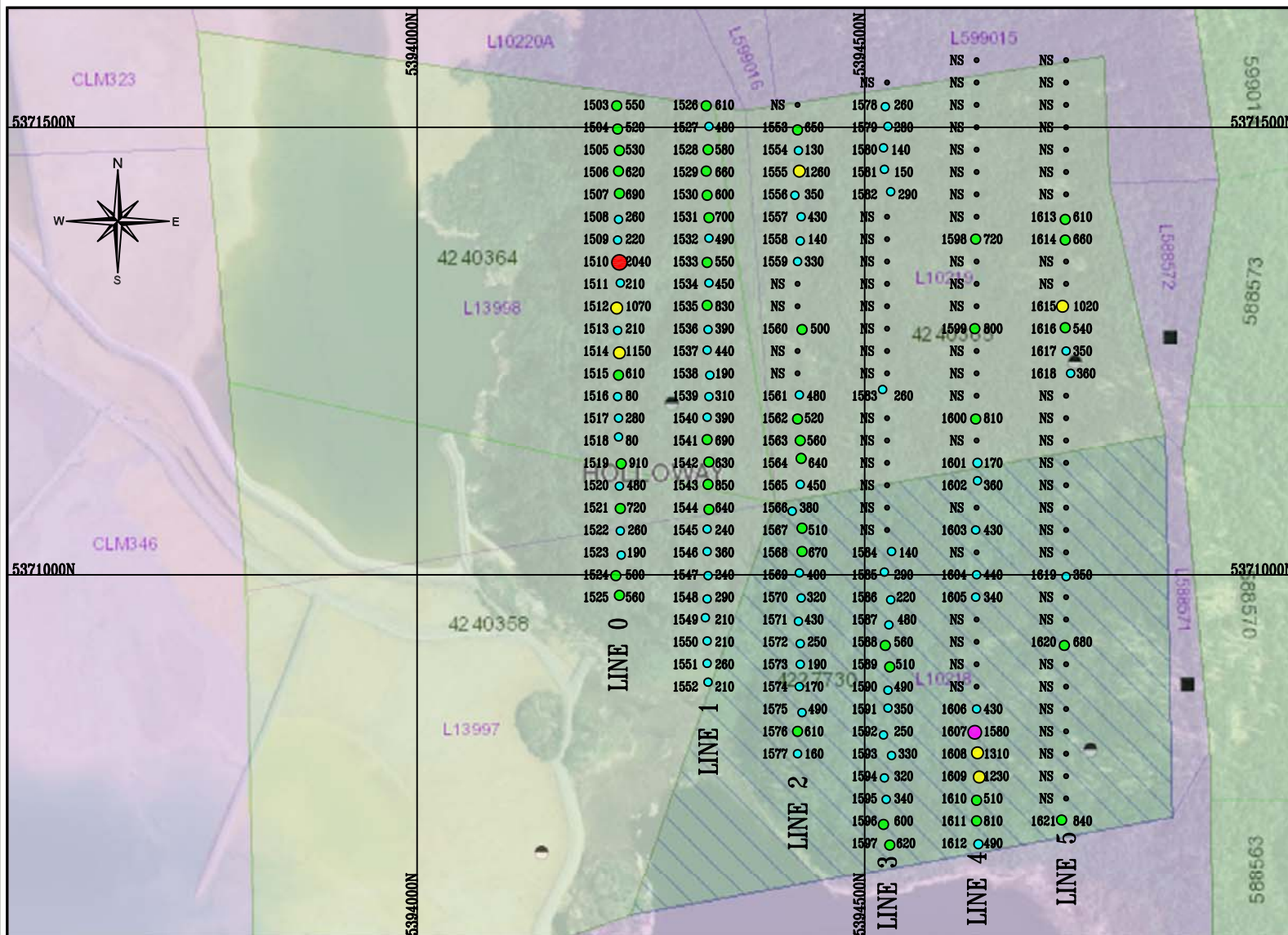
Au (ppb)

(Detection Limit = 0.10 ppb)

- < 0.10
- 0.10 - 0.19
- 0.20 - 0.29
- 0.30 - 0.39
- 0.40 - 0.49
- 0.5 and greater

Mobile Metal Ions Process Geochemical Soil Sample Survey





LEGEND

Unpatented Claim

Sample Number Element (ppb)

1751 0.20

Sample Location

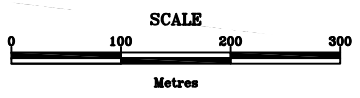
Cu (ppb)

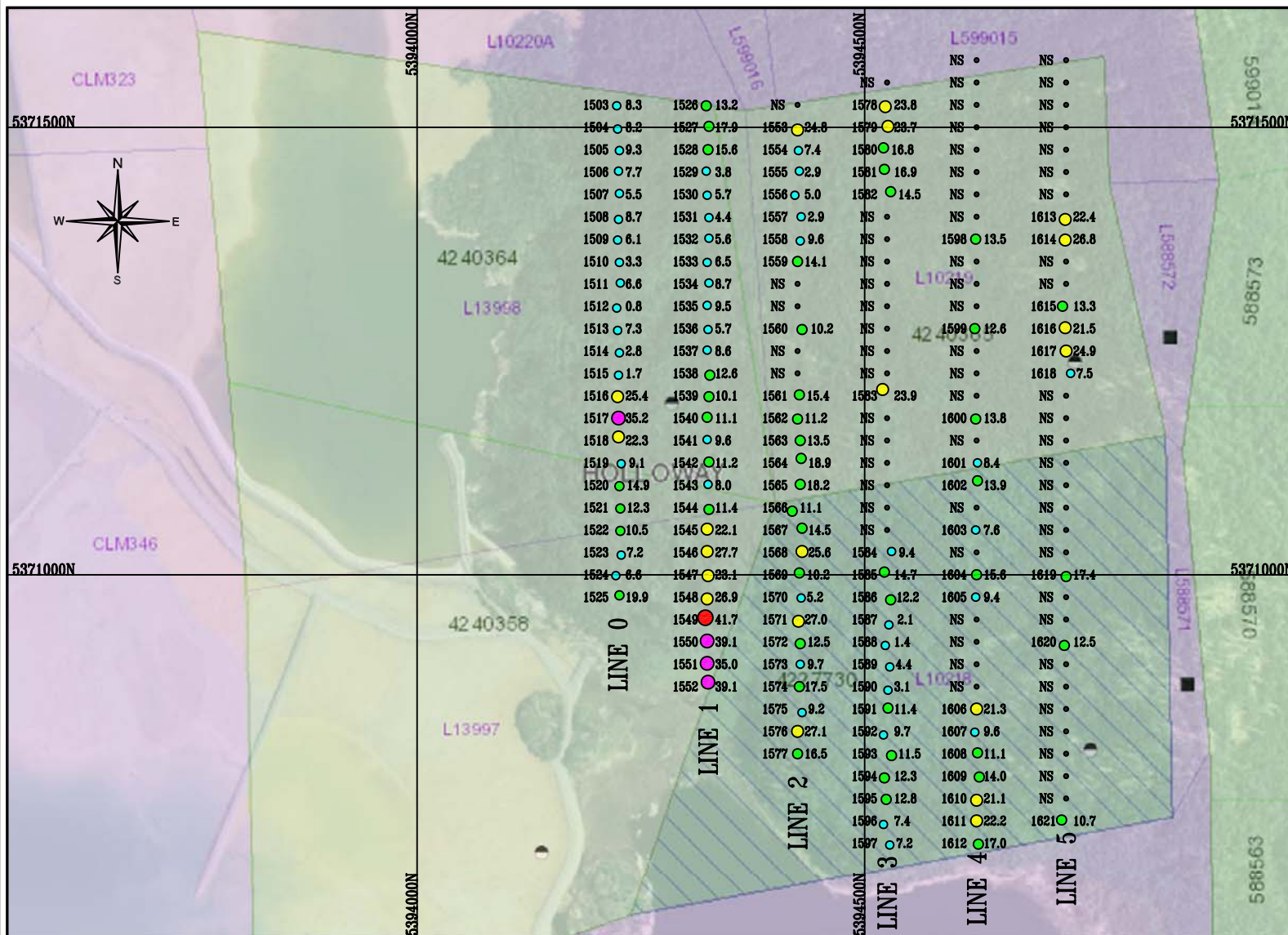
(Detection Limit = 10 ppb)

- < 10
- 10 - 499.9
- 500 - 999.9
- 1000 - 1499.9
- 1500 - 1999.9
- 2000 and greater



Mobile Metal Ions Process Geochemical Soil Sample Survey





LEGEND

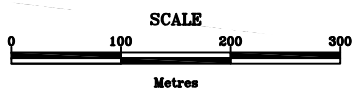
Unpatented Claim

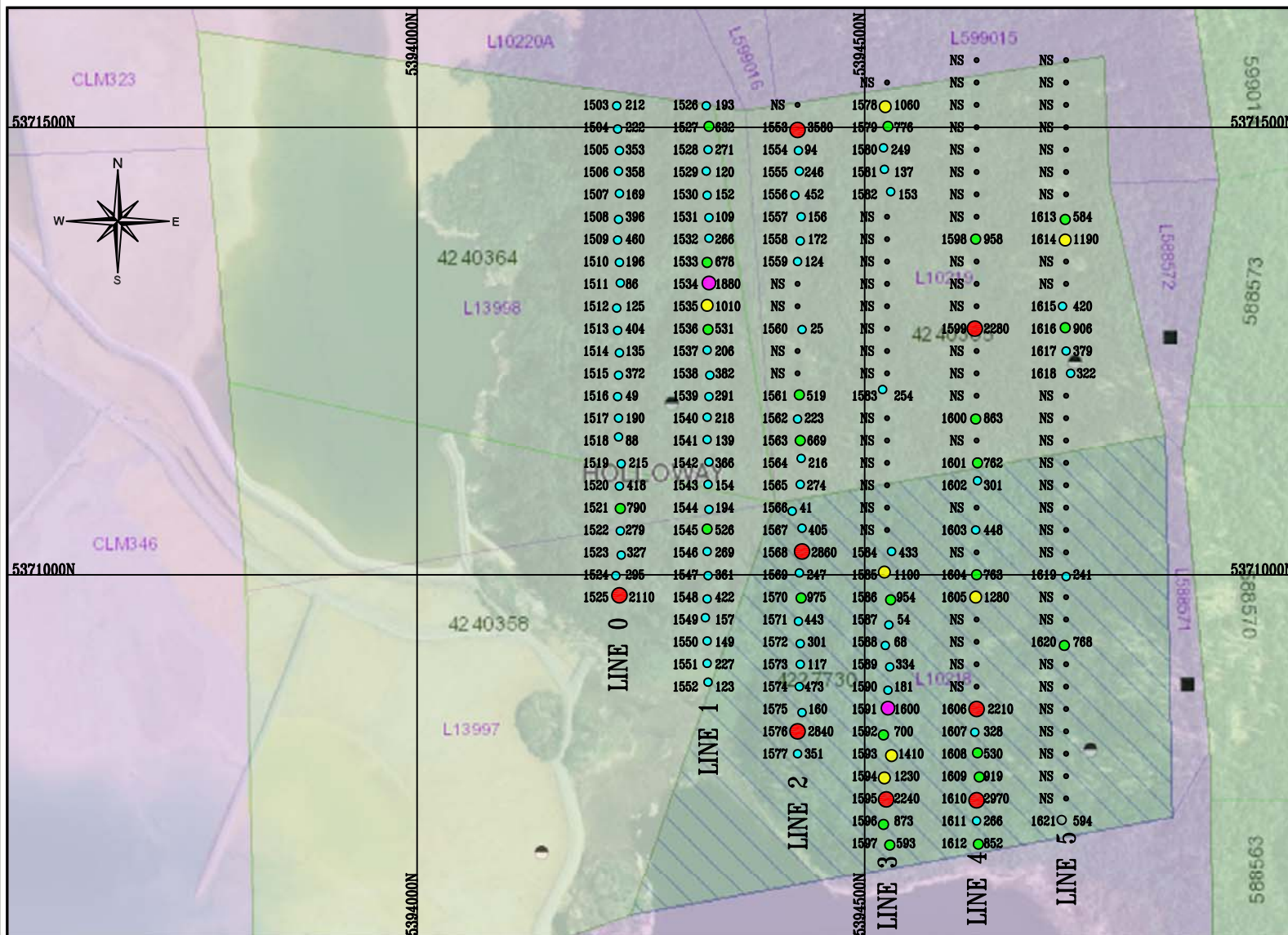
Sample Number Element (ppb)
1751 0.20
Sample Location

K (ppm)
(Detection Limit = 0.5 ppm)

- < 0.5
- 0.5 - 9.9
- 10.0 - 19.9
- 20.0 - 29.9
- 30.0 - 39.9
- 40.0 and greater

Mobile Metal Ions Process Geochemical Soil Sample Survey





LEGEND

Unpatented Claim

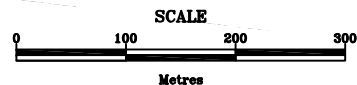
Sample Number Element (ppb)
1751 0.20
Sample Location

Pb (ppb)

(Detection Limit = 5 ppb)

- < 5
- 5 - 499.9
- 500 - 999.9
- 1000 - 1499.9
- 1500 - 1999.9
- 2000 and greater

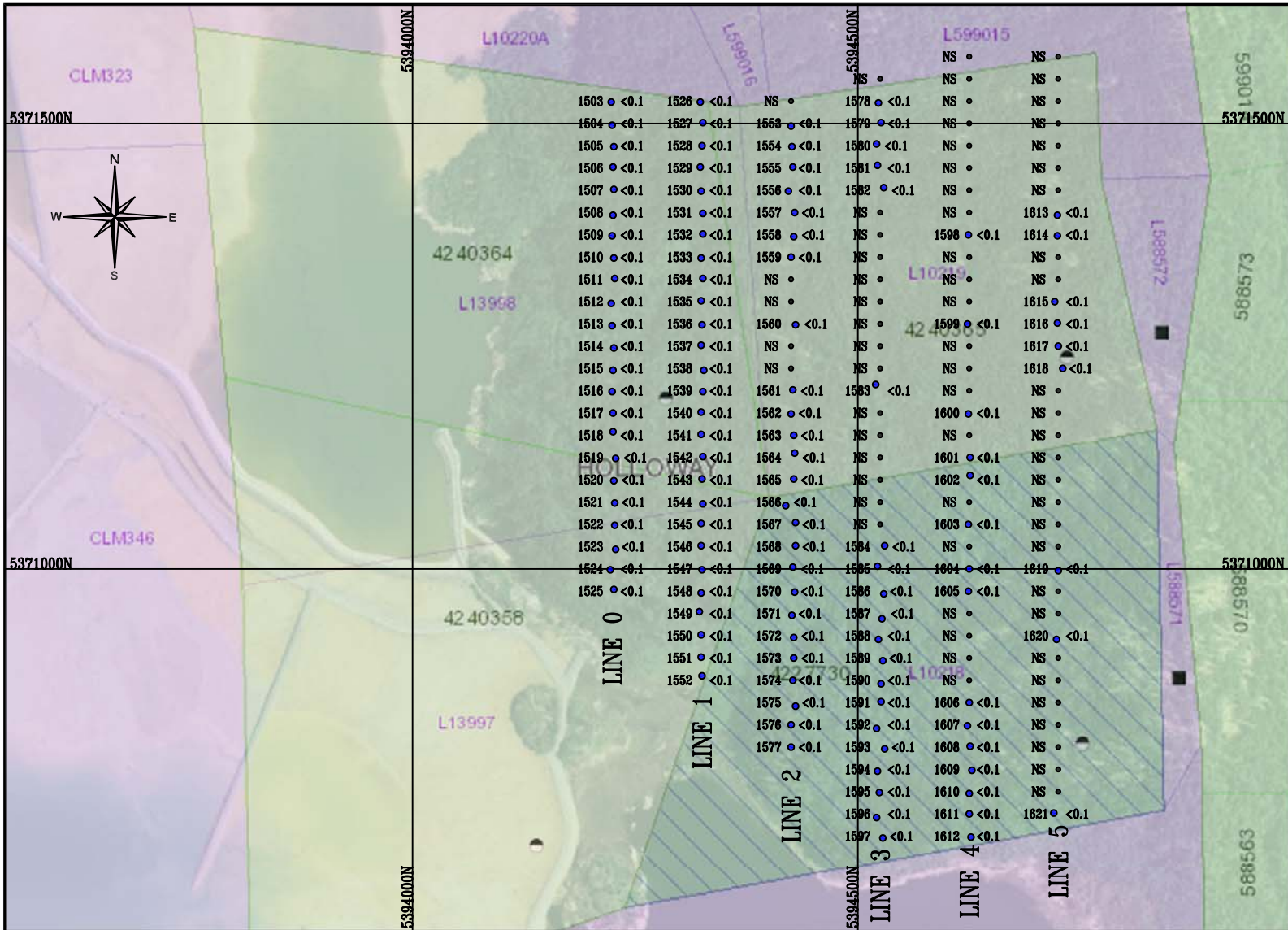
Mobile Metal Ions Process Geochemical Soil Sample Survey





Holloway Tailings Property South Block

Unpatented Mining Claims
South Block-4240365,4240364,4240358 and 4227730
Larder Lake Mining Division
Ontario, Canada



LEGEND

Unpatented Claim

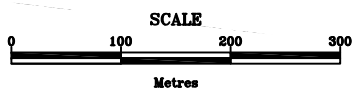
Sample Number Element (ppb)
1751 0.20
Sample Location

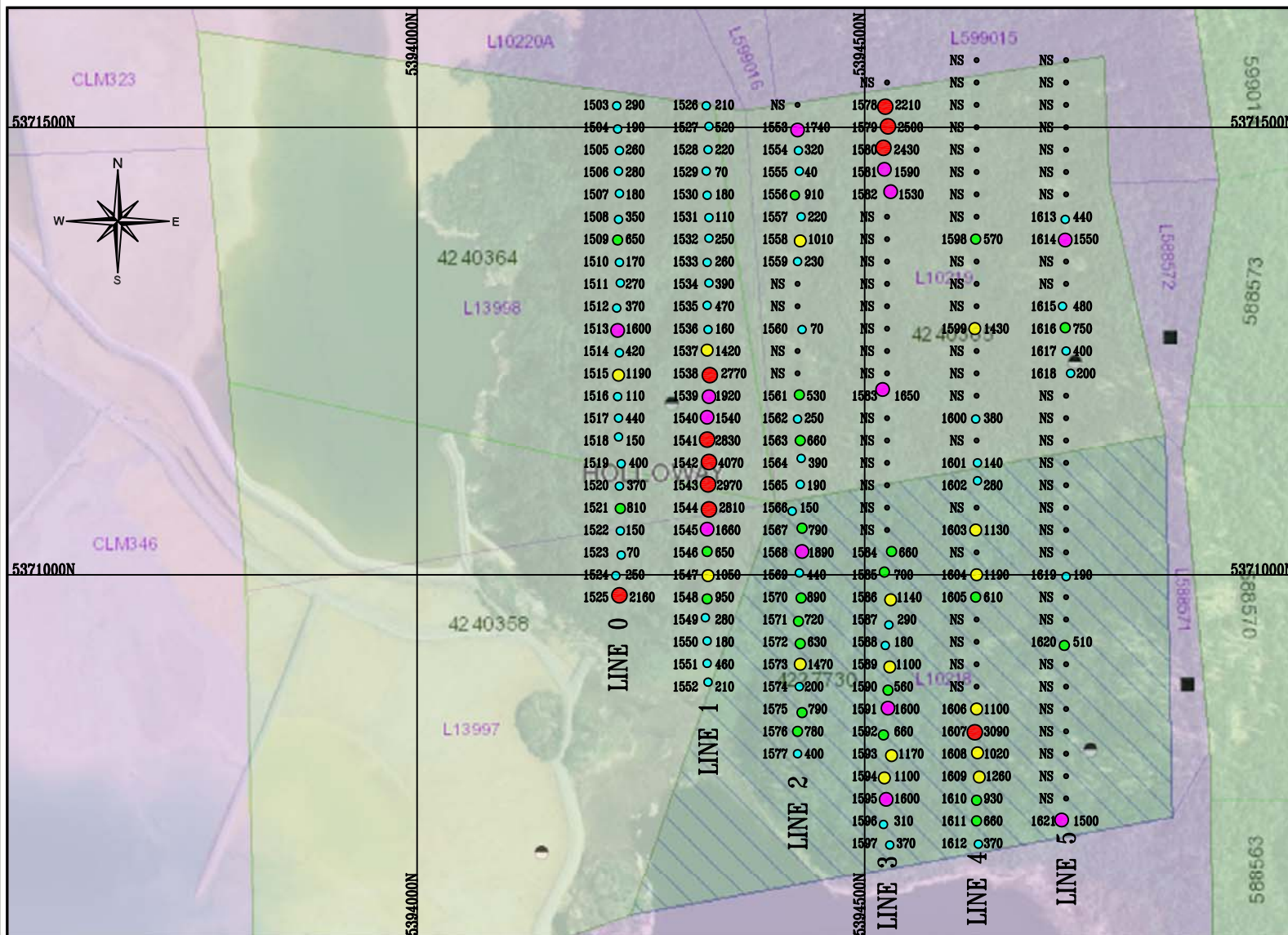
Pd (ppb)
(Detection Limit = 1.0 ppb)

- < 1.0
- 1.0 - 1.9
- 2.0 - 2.9
- 3.0 - 3.9
- 4.0 - 4.9
- 5.0 and greater



Mobile Metal Ions Process Geochemical Soil Sample Survey





LEGEND

Unpatented Claim

Sample Number Element (ppb)
1751 0.20
Sample Location

Zn (ppb)
(Detection Limit = 10 ppb)

- < 10
- 10 - 499.9
- 500 - 999.9
- 1000 - 1499.9
- 1500 - 1999.9
- 2000 and greater

Mobile Metal Ions Process Geochemical Soil Sample Survey

