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**STRIPPING AND CHANNEL SAMPLING
CASWELL LAKE
on the
SHINING TREE PROJECT
for PLATINEX INC.**

**MACMURCHY TOWNSHIP, LARDER LAKE
MINING DIVISION ONTARIO, CANADA**

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INDEX

Section No.	Title	Page No.
1.0	Introduction	1
2.0	Property Location and Access	1
3.0	Previous Work	2
4.0	Topography	2
5.0	Geology	2
5.1	Quaternary Geology	2
5.2	General Bedrock Geology	3
5.3	Metamorphism and Structure	3
5.4	Caswell Area Geology	4
6.0	Logistics	5
	References	6

LIST OF TABLES

Table No.	Title	Page No.
1	Summary of Stripped Areas	5

LIST OF FIGURES

Figure No.	Title	Page No.
1	Location and Contiguity Map	8
2	Exploration Plan & Grab Sample Locations	9
3	Trench Plan Overview	10
4-10	Caswell Trench Maps	11-17
11-14	Arial Trench Photos	18-21

Appendix I	Sample Descriptions and Locations	22
Appendix II	Machine Operating Timesheet	32
Appendix III	Certificates of Analysis	34

1.0 INTRODUCTION

This report presents the results of 568 channel samples and 21 grab samples taken in MacMurchy Township between September 17th and mid-December of 2020 as part of ongoing exploration by Platinex Inc. on their Shining Tree Project. An additional 4 channel samples were taken in mid-October of 2021. Overburden stripping and washing in several locations on claims 131779 and 334213 exposed multiple quartz veins on the east side of what is historically referred to as Caswell Lake. In all, 7 areas were sampled including an area where historic reports showed high grade gold results. During and after the bedrock was mapped, samples were taken using a gas powered diamond blade saw. The work was performed by CXS Ltd., Larder Lake, Ontario under supervision from Platinex field geologists. Samples were bagged and shipped to Activation Laboratories Ltd., Timmins, Ontario to analyze for gold, and forty three samples were reanalyzed for multiple elements.

Numerous historic sampling and drilling programs on the property have been carried out revealing sporadic gold values. Platinex conducted stripping and channel sampling programs on both sides of the Caswell prospect in 2008 and 2010 with encouraging results. A Seven Hole drilling program was performed on the West side of the Caswell prospect in 2011 and an additional 5 holes were drilled on the East side in 2021 following the completion of this program. The former warranted another program to search for auriferous quartz veins. Further sampling and drilling of areas with good results and other unexposed historical veins is justified to provide a better understanding of the Caswell system.

2.0 PROPERTY LOCATION AND ACCESS

At the time the stripping and channel sampling was completed the Shining Tree property consisted of 1067 contiguous boundary and single cell claims and one lease in Churchill, MacMurchy, Asquith, Tyrrell, Cabot, Kelvin, Natal, Connaught, Fawcett, Leonard, Ogilvie, and North Williams townships, Larder Lake Mining Division, District of Sudbury, Ontario.

Figure 1 (page 8) shows the location of the Shining Tree area in Ontario including the claim locations with respect to major topographic and cultural features of the area. Figure 2 (page 9) shows the location of the exploration permit (PR-17-11198) in proximity to the claim locations, numbers, and the areas where the work was performed.

Primary access to the property is obtained using highway 560; a paved secondary highway which runs through the centre of the property. Highway 560 connects with highway 144 to the west and with highway 65 at Elk Lake to the east. The claims surround the village of Shining Tree extending North and South-East and are approximately 50 kilometers west of Gowganda. A number of logging trails

accessible by 4-wheel drive vehicle provide access to portions of the property, and boat access is possible using Michiwakenda Lake, Cryderman Lake, Okawakenda Lake and West Shining Tree Creek.

Access to the east Caswell area was obtained via an old logging road. The entrance of the road is located on the east side of Highway 560 in MacMurchy Township, approximately 450 metres north of the bridge that crosses Michiwakenda Lake. From the Highway the road trends east for approximately 300 metres until it is intersected from the south by a winding road. Taking this road SSE for approximately 1.2km will lead through the Caswell showings and to Shaft 2.

3.0 PREVIOUS WORK

Several shafts with limited underground development are situated on the project claims, and existed within separate properties pre 1940's. These were best known as the Herrick, Churchill, and Caswell properties. Relatively little diamond drilling has been done on the Churchill, and only sporadic programs have been carried out on the Caswell, including seven holes drilled by Platinex in 2011. From 2008 through 2011, 51 drill holes targeted the Herrick deposit, bringing the total number of diamond drill holes to 66. Exploration on the remainder of the property has been limited to prospecting, hand dug trenches, mapping and local sporadic geophysical and diamond drilling programs. Several extensive glacial till sampling programs have also been carried out.

4.0 TOPOGRAPHY

The area has relatively low relief between 350 and 420 metres above sea level. Terrain is hummocky and gently rolling, with the remnant bases of Nipissing diabase sills forming several of the higher ridge lines, along with positive relief Matachewan diabase dykes. The area is generally well drained with numerous lakes and rivers. Logging for pine, spruce and poplar has taken place in small areas of the property at various times in the past, and continues. Regrowth is generally jack pine and poplar. Cedar is common in poorly drained areas. Outcrop ranges from 5% to 10% with a thin till veneer underlying most of the property. Outwash sands and ice contact stratified drift cover most of the eastern-most part of the property.

5.0 GEOLOGY

5.1 QUATERNARY GEOLOGY

The glacial deposits preserved in the area are products of the latest continental ice sheet, the Laurentide of Wisconsinan age. The Keewatin lobe advanced from the northeast approximately 100,000 years ago, and extended south into the northern

United States. By 11,000 years ago, the ice sheet had receded back to the Shining Tree area and deposited a variety of surficial material, dominated by thin sandy till ground moraine over bedrock knobs (Roed and Hallett, 1979). Sand and gravel outwash deposits begin to predominate on the eastern edge of the project area, and can often be found as a thin deposit overlying ground moraine tills.

5.2 GENERAL BEDROCK GEOLOGY

The Shining Tree greenstone belt is located approximately 100 km north of Sudbury, and is the southern portion of the Abitibi Sub province, Superior Province, northeast Ontario. The supracrustal rocks in the Shining Tree area have been divided into the Pacaud, Deloro, Kidd-Munro, Tisdale and Porcupine assemblages in keeping with the rest of the Abitibi greenstone belt (Ayer 1999; Ayer et al. 1999; Ayer et al 2013, Johns 1999b; Oliver et al. 1999b). The ~2680 -2690 Ma Porcupine assemblage is separated from the older assemblages (>2.7 Ga) by an unconformity. The Porcupine assemblage (>2.680 Ga) is also composed of a considerably different array of rocks than the older supracrustal rocks (Ayer 2000).

The Pacaud, Deloro, Kidd-Munro and Tisdale assemblages are dominated by volcanic supracrustal rocks, which were formed before the first phase of deformation. Felsic volcanic units close to the presumed tops of the assemblages in the Shining Tree area have been dated: The ages of the older three assemblages (Pacaud, Deloro and Kidd-Munro) indicate that the greenstone belt youngs to the northeast (Ayer 2000).

The Pacaud assemblage is mainly composed of massive and pillowed basalts and is associated with minor spinifex or cumulate textured komatiites.

The Deloro assemblage is dominated by felsic volcanic rocks and is capped in many places by chemical sediments, seen as banded chert and jasper.

The Kidd-Munro assemblage is a varied assemblage dominated by tholeiitic basalts and komatiites, with minor felsic volcanic rocks, and the Tisdale assemblage comprises mafic flows and intermediate to felsic pyroclastics and/or volcanoclastics (Johns 1999a).

5.3 METAMORPHISM AND STRUCTURE

The metamorphic grade throughout most of the Shining Tree area is mid to low greenschist facies (Oliver et al. 1999a, 1999b). Amygdules are filled with chlorite, carbonate or quartz. There are two main phases of deformation and associated metamorphism in the Shining Tree area (Oliver et al. 1999a, 1999b) with rocks older than 2.7 Ga having undergone two periods of deformation. There are multiple deformation zones in the older volcanic rocks in which gold has been found,

especially in MacMurchy and Tyrrell Townships (Johns 1996, 1997 and 1999a, Ayer et al 2013). The Porcupine assemblage has undergone a single period of deformation and is metamorphosed to a lesser degree than the older volcanic rocks (Oliver et al. 1999a, 1999b). The Porcupine assemblage was formed between the two deformation events and lies unconformably above the previously deformed volcanics (Ayer 2000).

5.4 CASWELL AREA GEOLOGY

This area straddles the narrows connecting Michiwakenda Lake and West Shining Tree Creek (also known as Caswell Lake, an enlargement of West Montreal River). Locally the property is known as the Westree or the Caswell Lake property, and has had numerous past owners and optionees. Development work on the property was carried out intermittently from 1911 to 1939. This included trenching and diamond drilling, shaft sinking and drifting (Carter, 1980). Numerous veins occur on the property, but the most extensive development work was done on a set of generally east northeast-trending veins within an overall shear system trending northwest. Based on an earlier developed numbering system, these veins correspond to: No1, No2, and No3 etc. on the west side of the river, and Vein101, Vein102, Vein103 etc. on the east side of the river.

Gold mineralization in the Caswell area is associated with a conjugate set of quartz veins. The larger, "main" vein structures run northwest, proximal to and paralleling the trend of West Shining Tree Creek. Historically these structures have been named the Saville (or # 4 Vein) and Evelyn shear zones. Less laterally extensive east-northeasterly trending structures are located on either side of the Saville and Evelyn structures. Over 40 discrete quartz veins, trending east to northeast, were located on both sides of West Shining Tree Creek. Further south on the Bilmac property the easterly set of veins is less well developed, indicating a change in the strain regime of the overall fault system.

The geology is described further by Carter: *"The deposits occur in shears containing quartz veins, the interbanded schistose rock, and quartz veins forming deposits of the lode type. Approximately 39 veins had been exposed, many of which were too small to mine. The trend of the shears varied from approximately east-west, to N60E, and dipped vertically. An important mineralized shear, occurring beneath the waterways on the property had a strike N60W and is in alignment with the Evelyn Vein of the adjoining Bilmac property to the east. The quartz veins vary from 1.3 cm to 0.6 m (1 to 24 inches) in width, and some of the shears are as much as 6 m (20 feet) wide. The rocks associated with the veins are amygdaloidal and pillowed basalt, and carbonate schist. The veins and rocks are cut by narrow, later, quartz veins. The gangue material consists of carbonate, talc, sericite, chlorite, feldspar, and tourmaline; the ore minerals consist of gold, chalcopyrite, pyrite, and molybdenite (Resident Geologist's Files, Ontario Ministry of Natural Resources, Kirkland Lake)."*(Carter, 1980)

6.0 LOGISTICS

The project was conducted under the supervision of Mehmet Spaho, Etobicoke, Ontario from mid-September through mid-December 2020. CXS Ltd. (Canadian Exploration Services Ltd.), Larder Lake, Ontario power stripped and channel cut several locations under the direction of Mr. Spaho. Sampling and processing was done with the help of Robert Peever, North Bay, Ontario. Power stripping included seven areas with one being an extension of a trench previously exposed by Platinex in 2010. Table 1 (below) outlines the total area and approximate volume of overburden stripped from the seven areas. Of the 568 channel samples, 15 were not localized in the trenches due to winter weather conditions. An overview of all the completed trenches and individual plan maps for each trench showing individual channel samples are shown in figures 3 through 10 (pages 10-17). A table describing the samples with UTM coordinates can be found in Appendix I.

Table 1: Summary of Stripped Areas (approximate average volume of 1m depth)

Trench No	2 Ext	10	11	12	13	14	15
Area (m ²)	404	234	546	223	475	270	194
Volume (m ³)	404	234	546	223	475	270	194

The work performed by CXS Ltd. included use of an excavator at \$175 per hour. A flat daily fee for washing with two pumps and cutting with a gas powered saw was set at \$1,125 per day. A table listing the dates and hours of the equipment used can be found in Appendix II.

Initial grab samples were obtained on several of the outcrops that would eventually be power stripped on claims 131779 and 334213. Additional grab samples were obtained approximately 250 metres to the South on claim 184459, and 1 kilometre to the West along highway 560 on claims 336503 and 631736. A plan view of the grab sample locations can be seen in figure 2 (page 9). A table describing the samples with UTM coordinates can be found in Appendix I.

A camera drone was flown over 5 of the 7 stripped areas (trenches) by Thomas Hart, Cambridge, Ontario. The images were combined into four geographically referenced separate collages. A plan view of these areas using NAD83 UTM Zone 17 is presented in figures 11 through 14 (pages 18-21).

A small follow up channel cutting program was conducted by Mr. Peever in mid-October of 2021 to re-test some results and sample another historic trench on claims 334213 and 131779 respectively. A location for each sample can be seen in figure 3 (page 10). A table describing the samples with UTM coordinates can be found in Appendix I.

In all, 572 channel samples, and 21 grab samples were taken and analyzed for gold, and 43 were resampled for multiple elements at Activation Laboratories Ltd. Timmins, Ontario. Certificates of analysis for all samples are included in Appendix III.

9.0 REFERENCES

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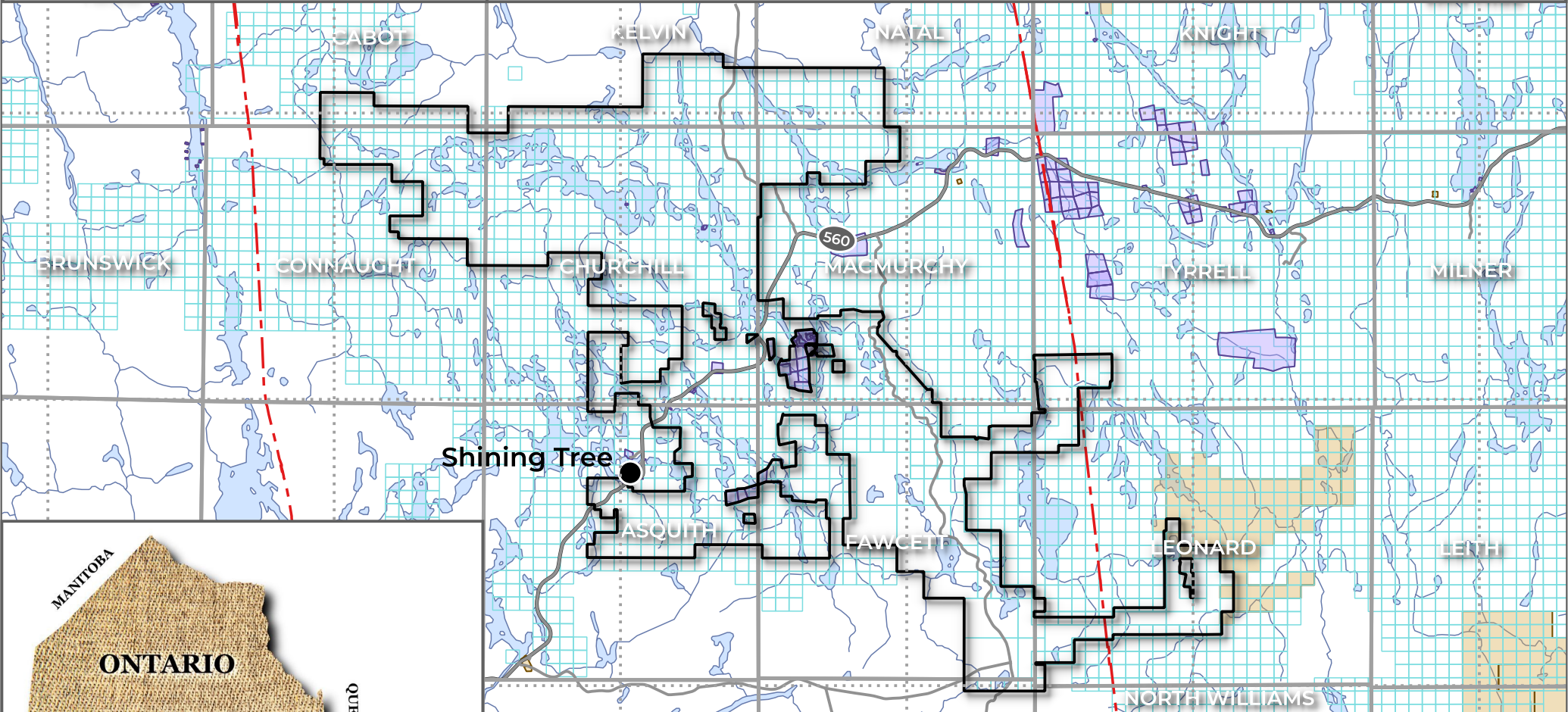
Johns, G.W. 2000. Precambrian geology, Shining Tree area (west half); Ontario Geological Survey, Preliminary Map P.3420.

Oliver, H.S., Hughes, D.J., Hall, R.P. and Johns, G.W. 1999a. Preliminary Geochemistry of Metavolcanic rocks of the Shining Tree Area; Abitibi Subprovince, Ontario; Summary of Field Work and Other Activities 1998, Ontario Geological Survey, Miscellaneous Paper 169, p.51-58.

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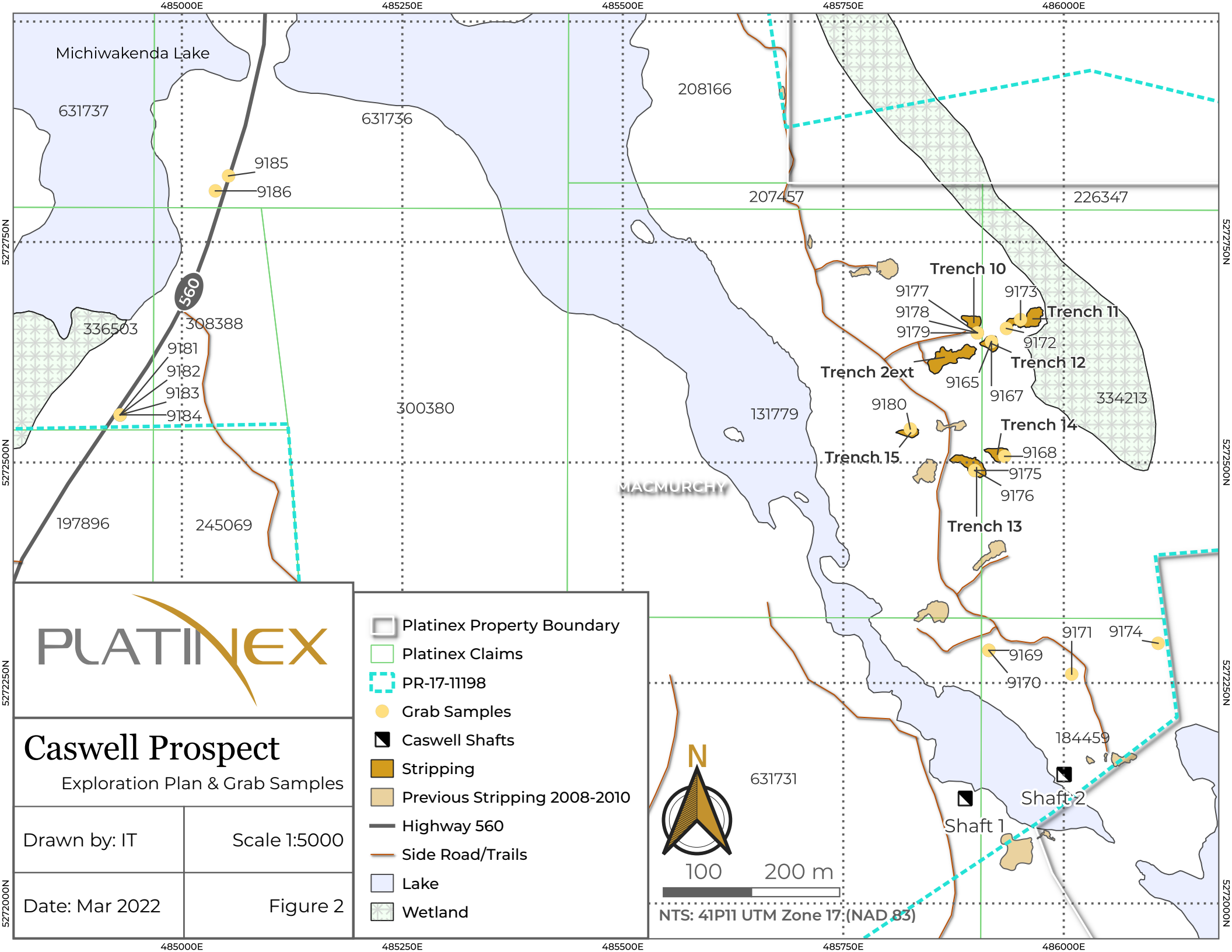
-  Platinex Property
-  Mining Claims
-  Disposition/Patent
-  Operational Alienations
-  Township Boundaries
-  Lakes
-  Rivers
-  Primary Roads
-  Utility Line
-  Towns



NTS: 41P11 UTM Zone 17 (NAD 83)

Shining Tree Project Regional Location Map

Drawn By: IT	Scale 1:200,000
Date: Mar 2022	Figure 1



PLATINEX

Caswell Prospect

Exploration Plan & Grab Samples

Drawn by: IT

Scale 1:5000

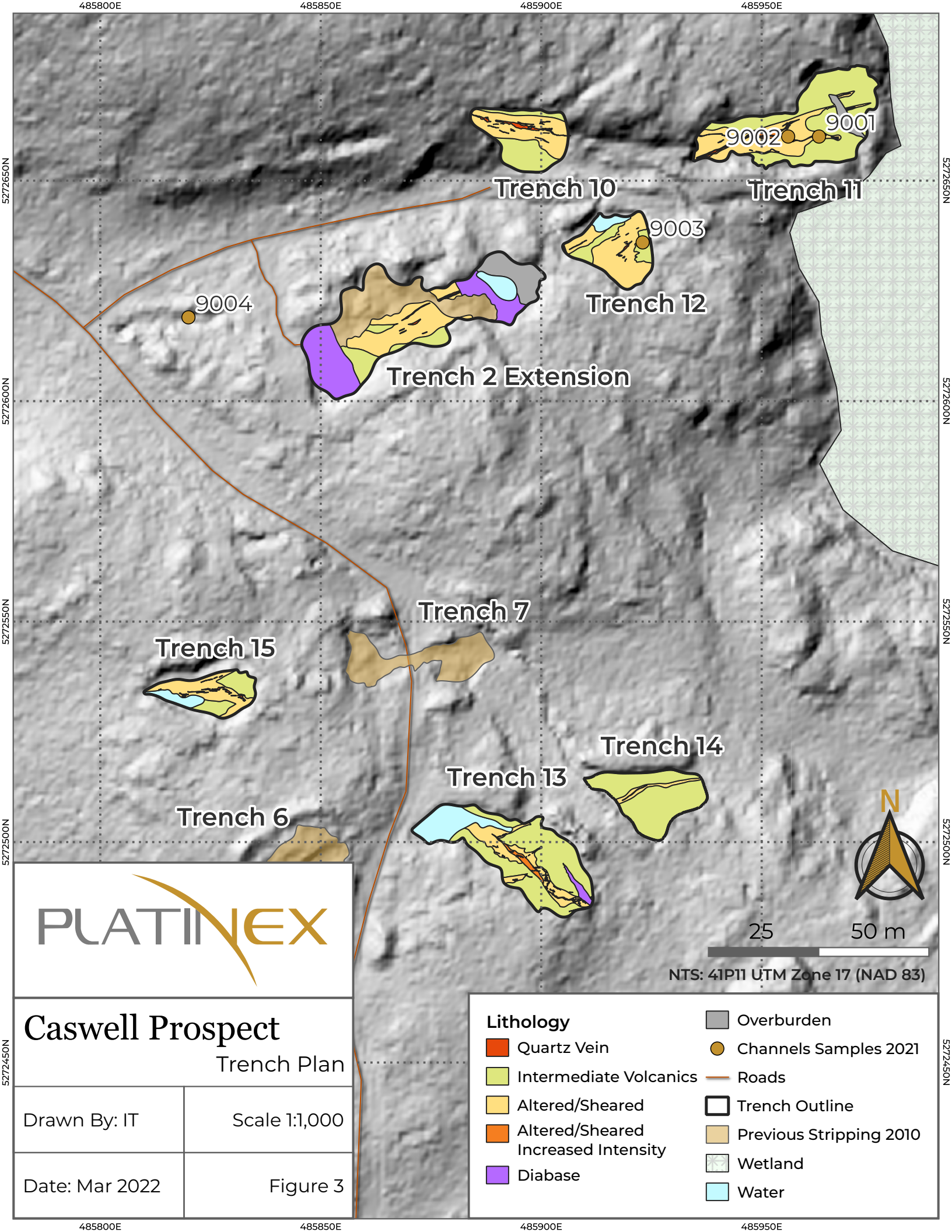
Date: Mar 2022

Figure 2

- Platinex Property Boundary
- Platinex Claims
- PR-17-11198
- Grab Samples
- Caswell Shafts
- Stripping
- Previous Stripping 2008-2010
- Highway 560
- Side Road/Trails
- Lake
- Wetland



NTS: 41P11 UTM Zone 17: (NAD 83)



Caswell Prospect

Trench Plan

Drawn By: IT Scale 1:1,000

Date: Mar 2022 Figure 3

- | | | |
|------------------|---------------|-------------------------|
| Lithology | Grey | Overburden |
| Red | Orange dot | Channels Samples 2021 |
| Yellow | Brown line | Roads |
| Orange | Black outline | Trench Outline |
| Dark Orange | Brown | Previous Stripping 2010 |
| Purple | Light Green | Wetland |
| | Blue | Water |

NTS: 41P11 UTM Zone 17 (NAD 83)



Caswell Prospect

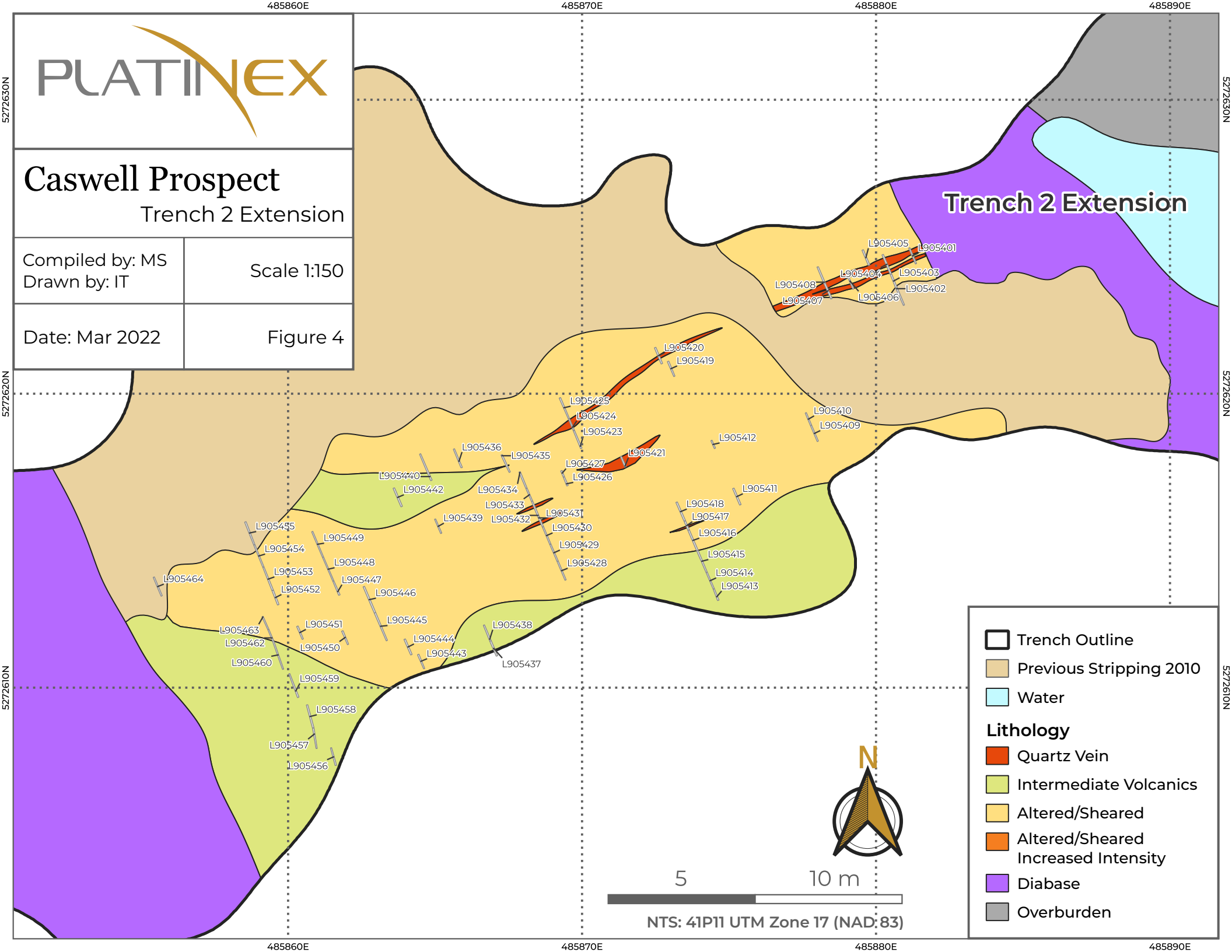
Trench 2 Extension

Compiled by: MS
Drawn by: IT

Scale 1:150

Date: Mar 2022

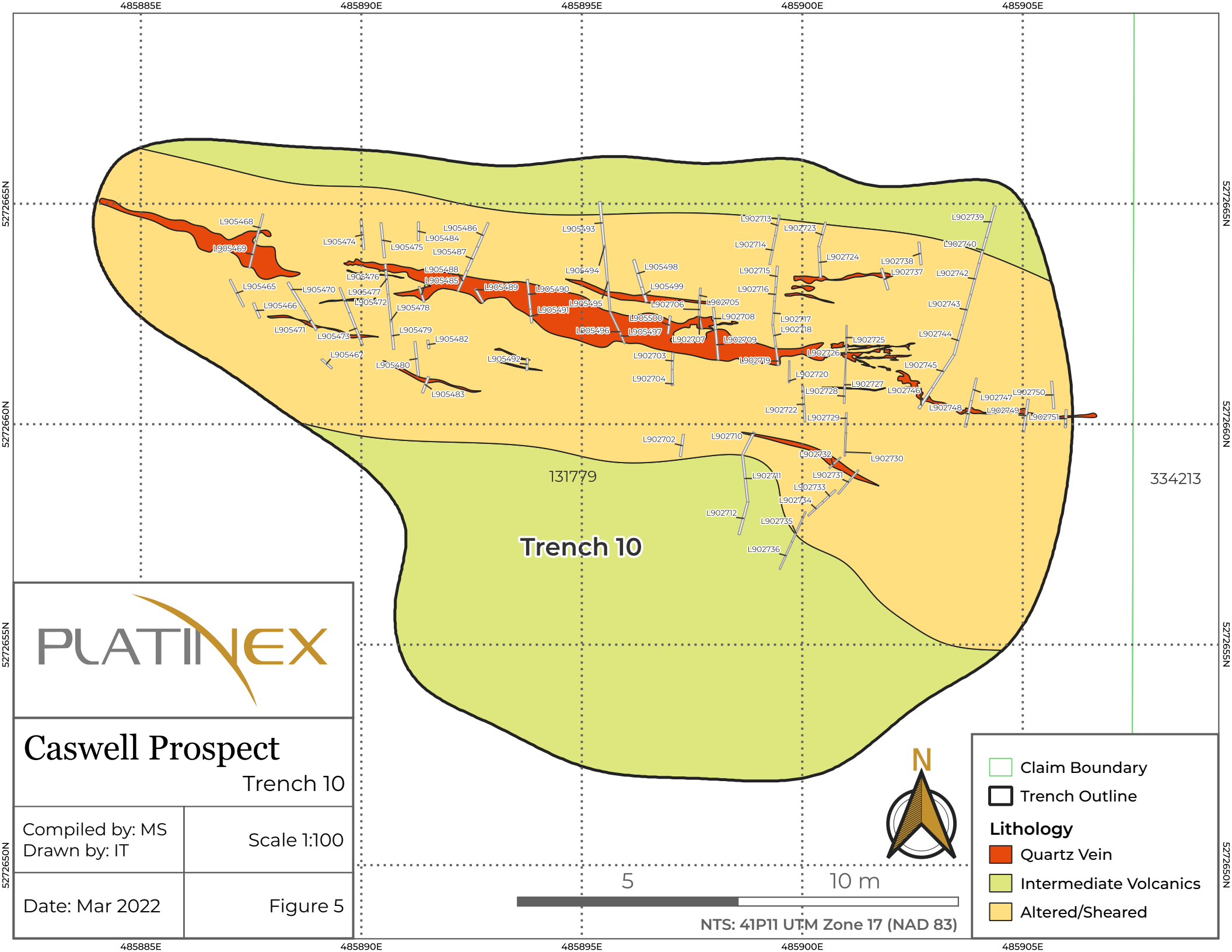
Figure 4



- Trench Outline
- Previous Stripping 2010
- Water
- Lithology**
- Quartz Vein
- Intermediate Volcanics
- Altered/Sheared
- Altered/Sheared Increased Intensity
- Diabase
- Overburden



NTS: 41P11 UTM Zone 17 (NAD: 83)



Caswell Prospect
Trench 10

Compiled by: MS
Drawn by: IT

Scale 1:100

Date: Mar 2022

Figure 5

131779
Trench 10

334213



- Claim Boundary
- Trench Outline
- Lithology**
- Quartz Vein
- Intermediate Volcanics
- Altered/Sheared

NTS: 41P11 UTM Zone 17 (NAD 83)

485885E 485890E 485895E 485900E 485905E

5272665N
5272660N
5272655N

5272665N
5272660N
5272655N



Caswell Prospect

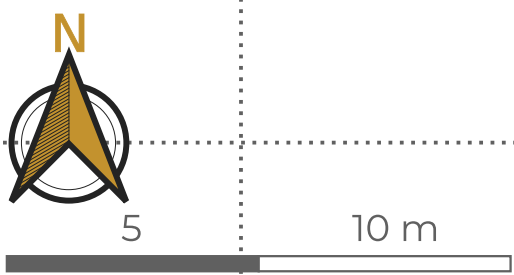
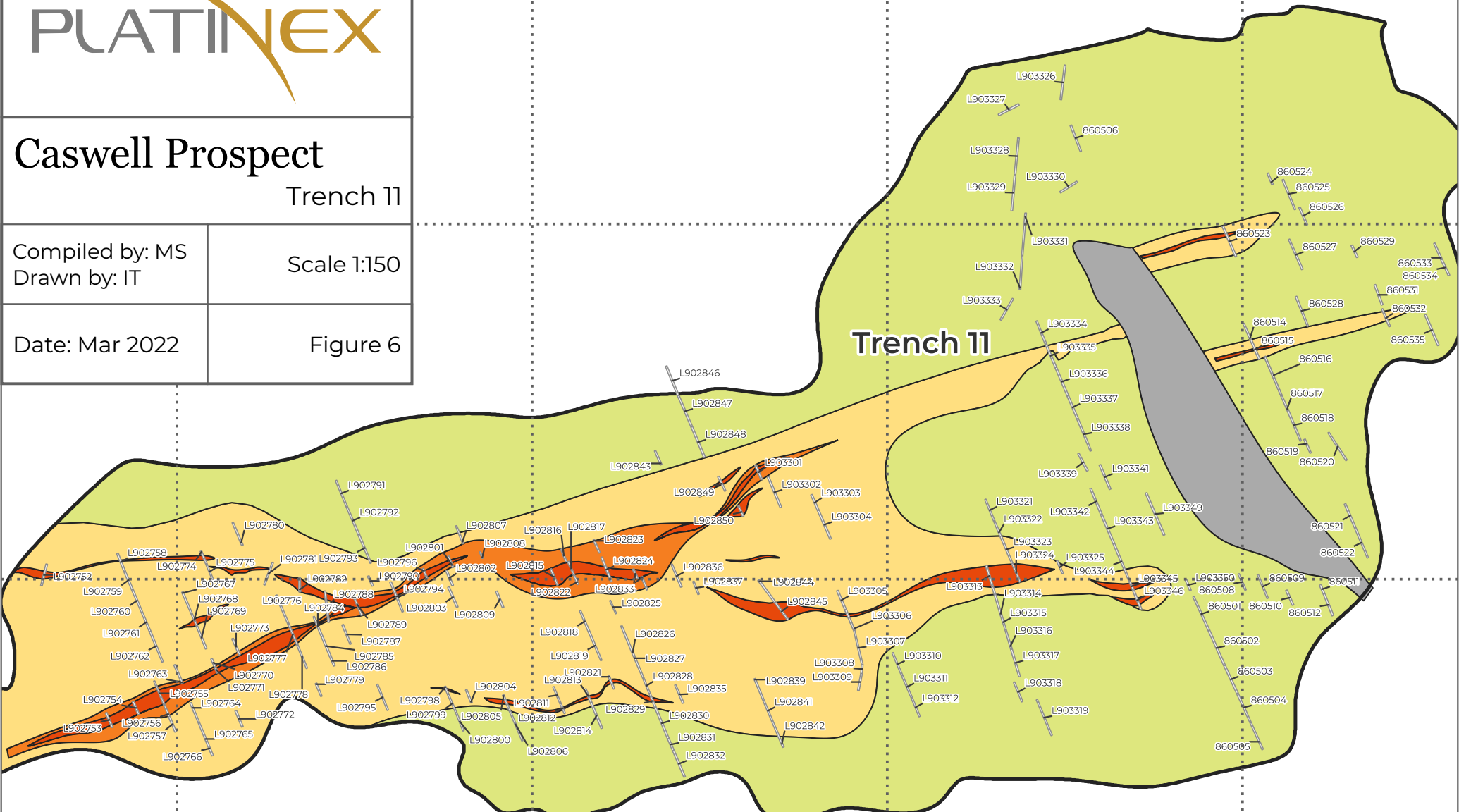
Trench 11

Compiled by: MS
Drawn by: IT

Scale 1:150

Date: Mar 2022

Figure 6



NTS: 41P11 UTM Zone 17 (NAD 83)

- | | |
|------------------------|-------------------------------------|
| Trench Outline | Altered/Sheared |
| Lithology | Altered/Sheared Increased Intensity |
| Quartz Vein | Overburden |
| Intermediate Volcanics | |



Caswell Prospect

Trench 12

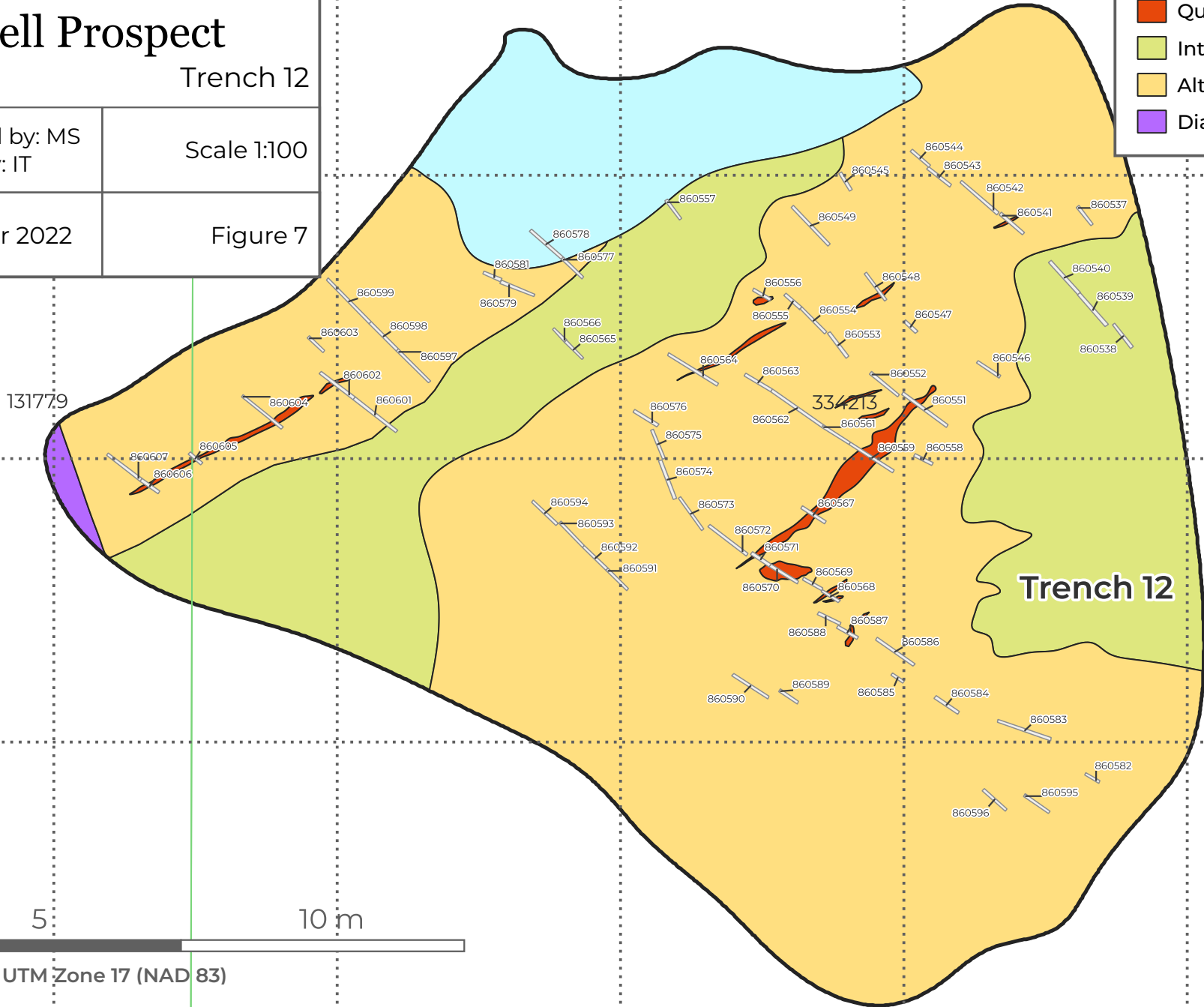
Compiled by: MS
Drawn by: IT

Scale 1:100

Date: Mar 2022

Figure 7

- Claim Boundary
- Trench Outline
- Water
- Lithology**
 - Quartz Vein
 - Intermediate Volcanics
 - Altered/Sheared
 - Diabase



NTS: 41P11 UTM Zone 17 (NAD 83)

Caswell Prospect

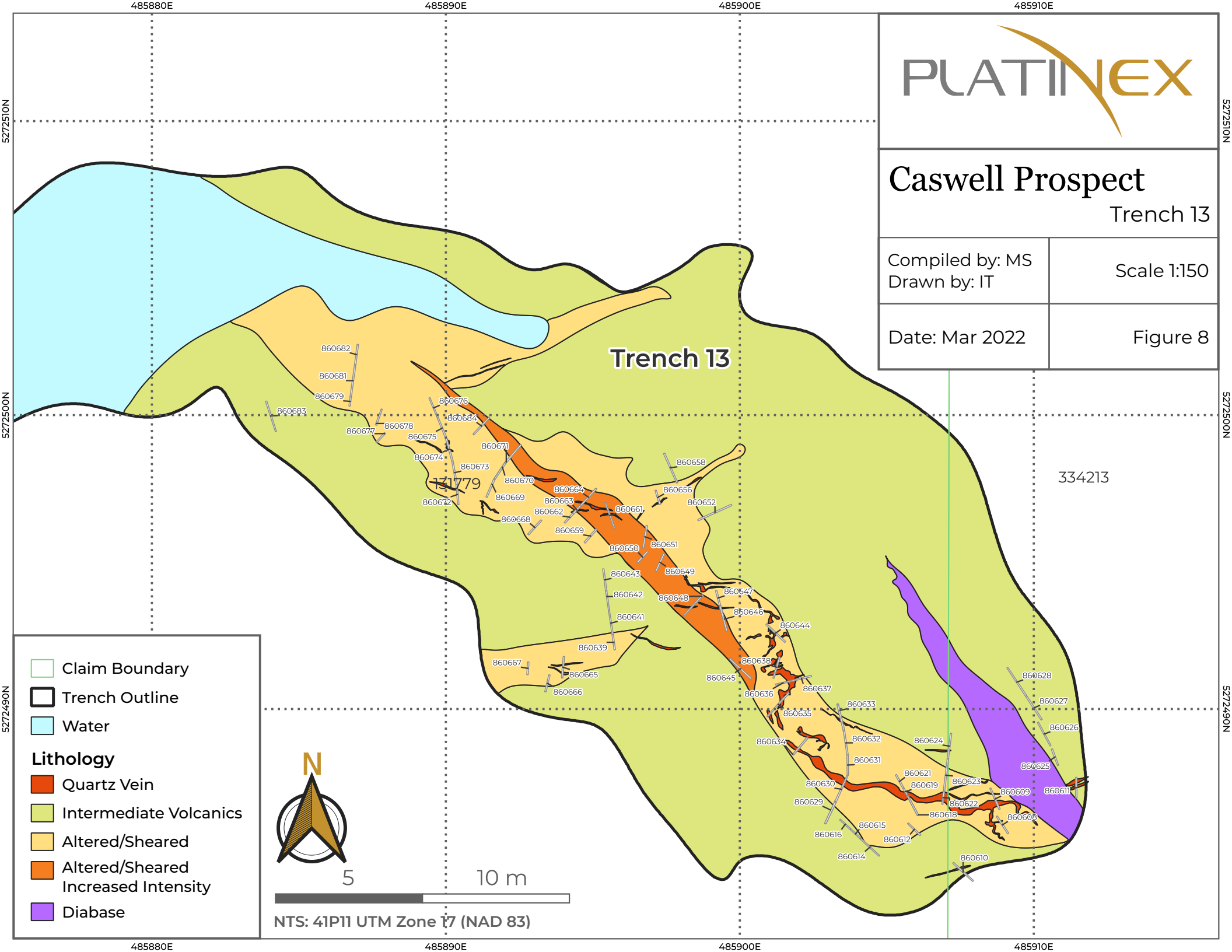
Trench 13

Compiled by: MS
 Drawn by: IT

Scale 1:150

Date: Mar 2022

Figure 8



- Claim Boundary
- Trench Outline
- Water

Lithology

- Quartz Vein
- Intermediate Volcanics
- Altered/Sheared
- Altered/Sheared Increased Intensity
- Diabase

5 10 m

NTS: 41P11 UTM Zone 17 (NAD 83)

485880E

485890E

485900E

485910E

5272510N

5272500N

5272490N

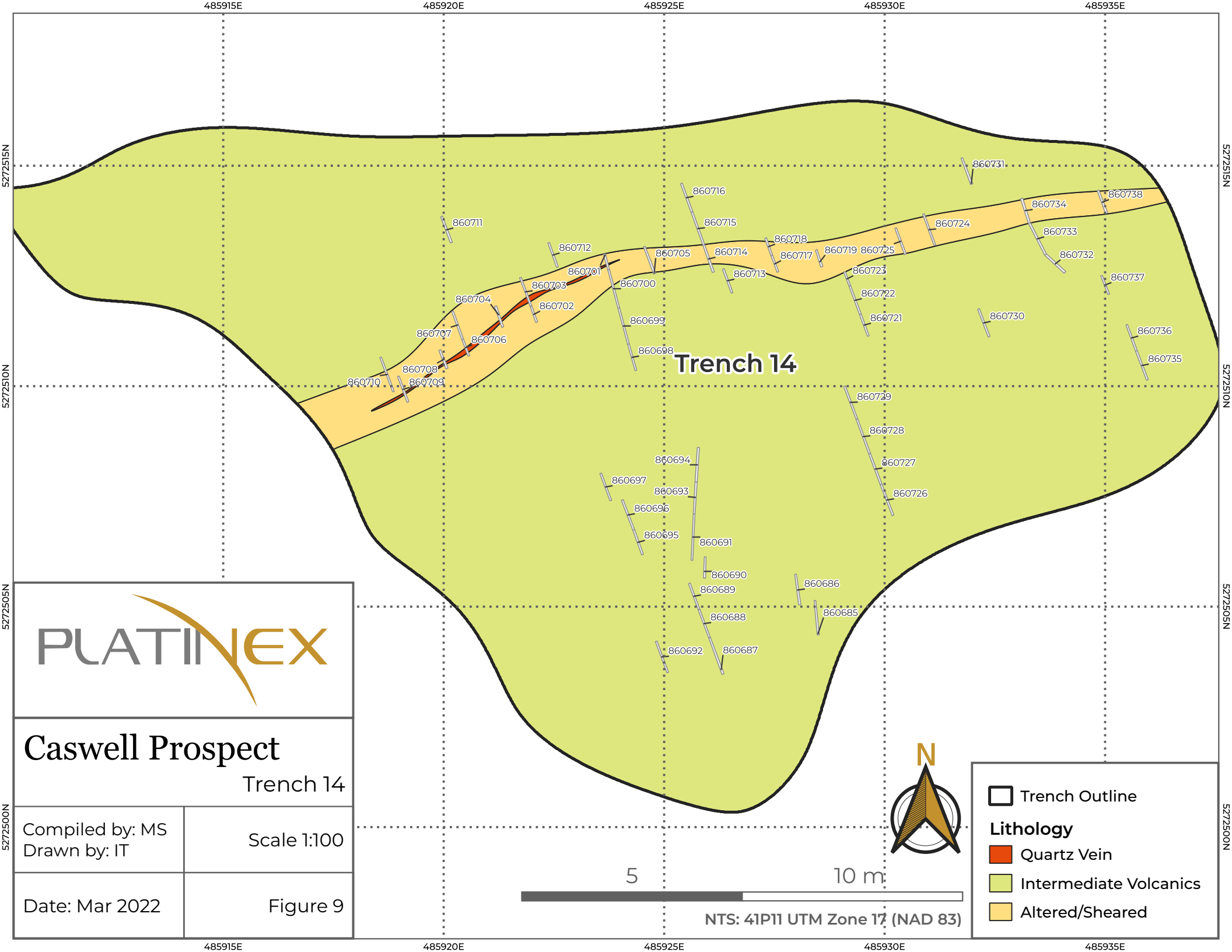
5272510N

5272500N

5272490N

334213

Trench 13



Caswell Prospect
Trench 14

Compiled by: MS
Drawn by: IT

Scale 1:100

Date: Mar 2022

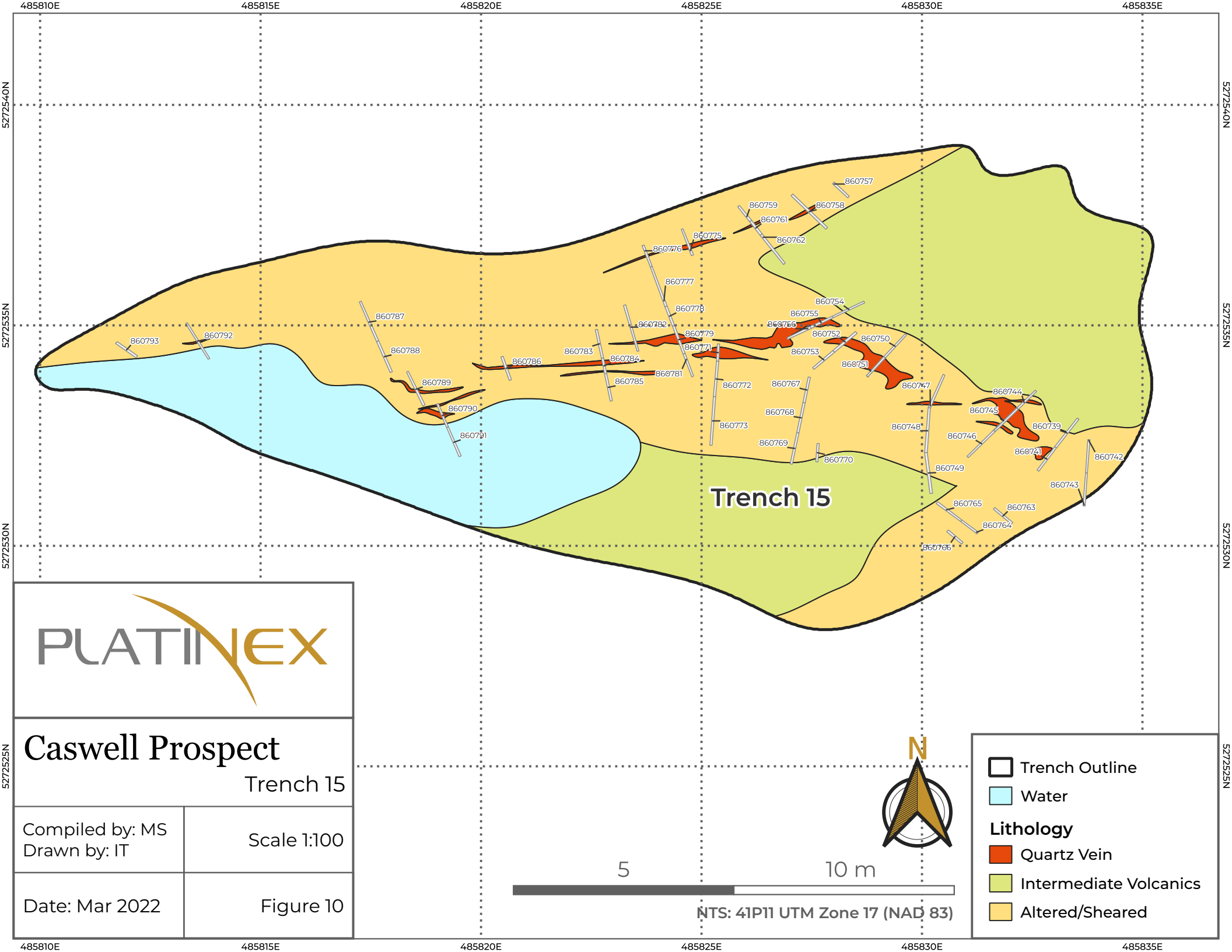
Figure 9



Legend

- Trench Outline
- Lithology**
- Quartz Vein
- Intermediate Volcanics
- Altered/Sheared

NTS: 41PT11 UTM Zone 17 (NAD 83)



Caswell Prospect

Trench 15

Compiled by: MS
Drawn by: IT

Scale 1:100






Date: Mar 2022

Figure 10

Trench 15



NTS: 41P11 UTM Zone 17 (NAD 83)

-  Trench Outline
-  Water
- Lithology**
-  Quartz Vein
-  Intermediate Volcanics
-  Altered/Sheared



Caswell Prospect

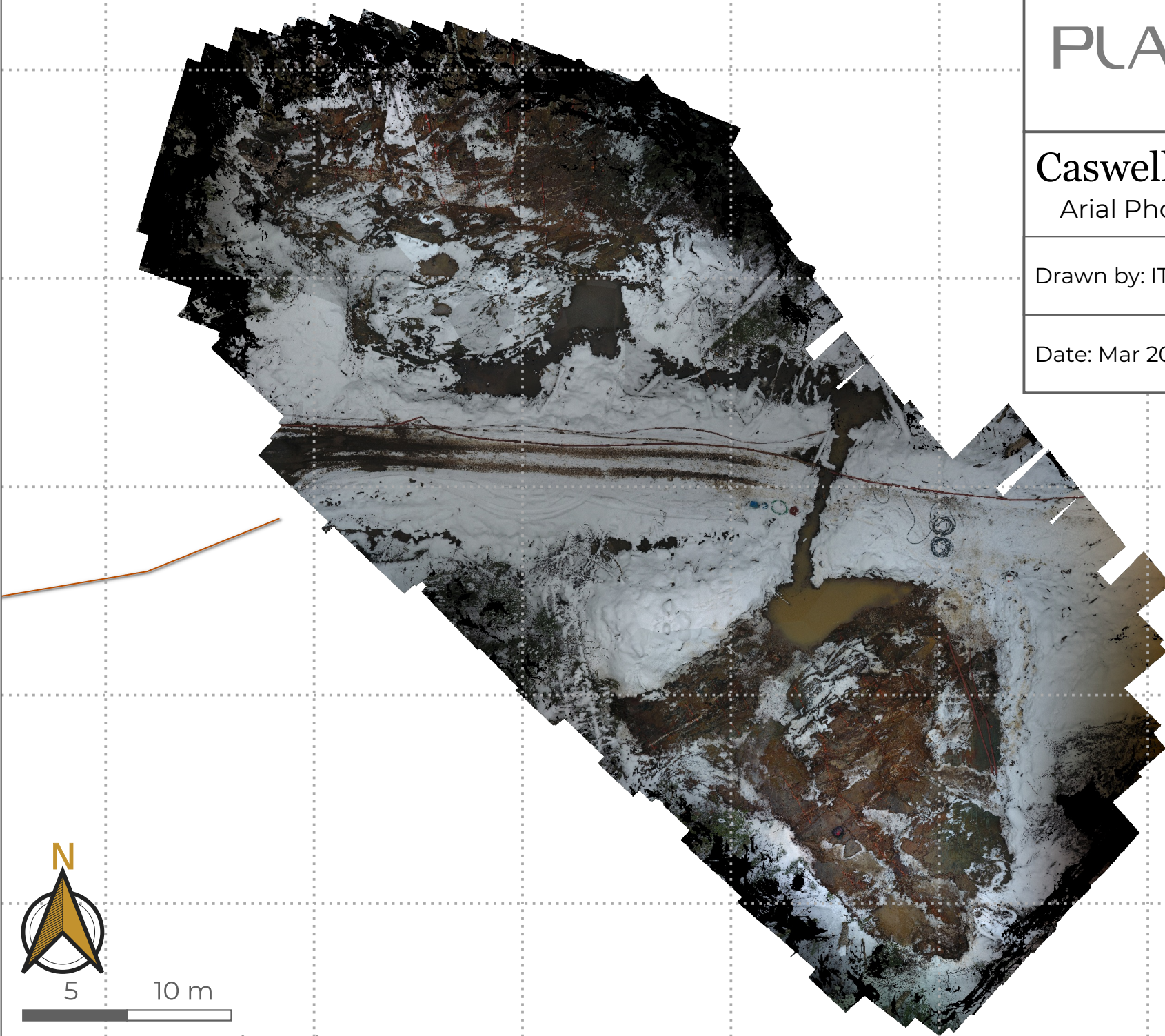
Arial Photo Trench 10 and 12

Drawn by: IT

Scale 1:250

Date: Mar 2022

Figure 11



5

10 m

NTS: 41P11 UTM Zone 17 (NAD 83)

485880E

485890E

485900E

485910E

485920E

485930E

485940E

5272670N

5272660N

5272650N

5272640N

5272630N

5272670N

5272660N

5272650N

5272640N

5272630N



Caswell Prospect

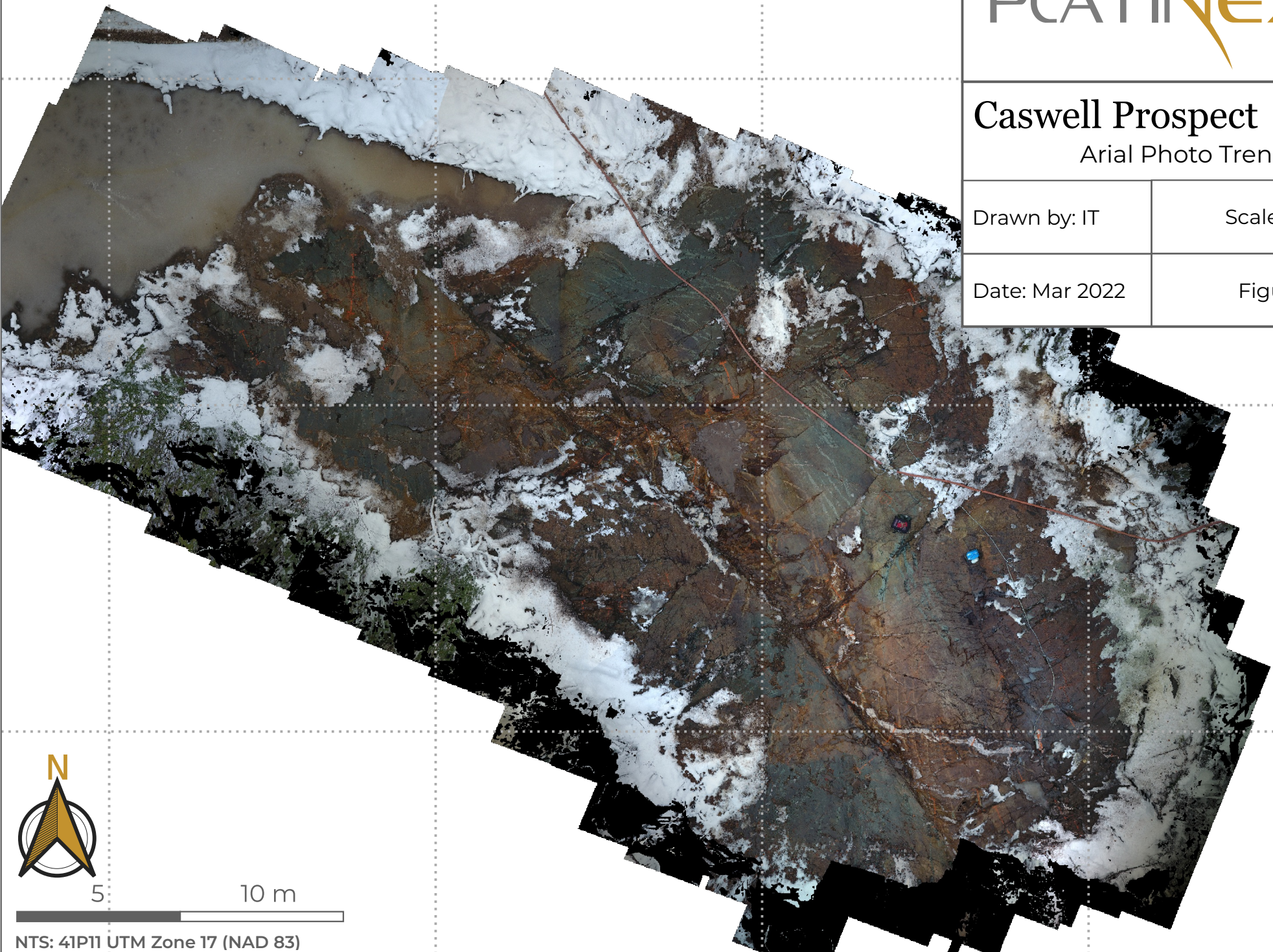
Arial Photo Trench 13

Drawn by: IT

Scale 1:150

Date: Mar 2022

Figure 12



5 10 m

NTS: 41P11 UTM Zone 17 (NAD 83)

485880E

485890E

485900E

485910E

5272510N

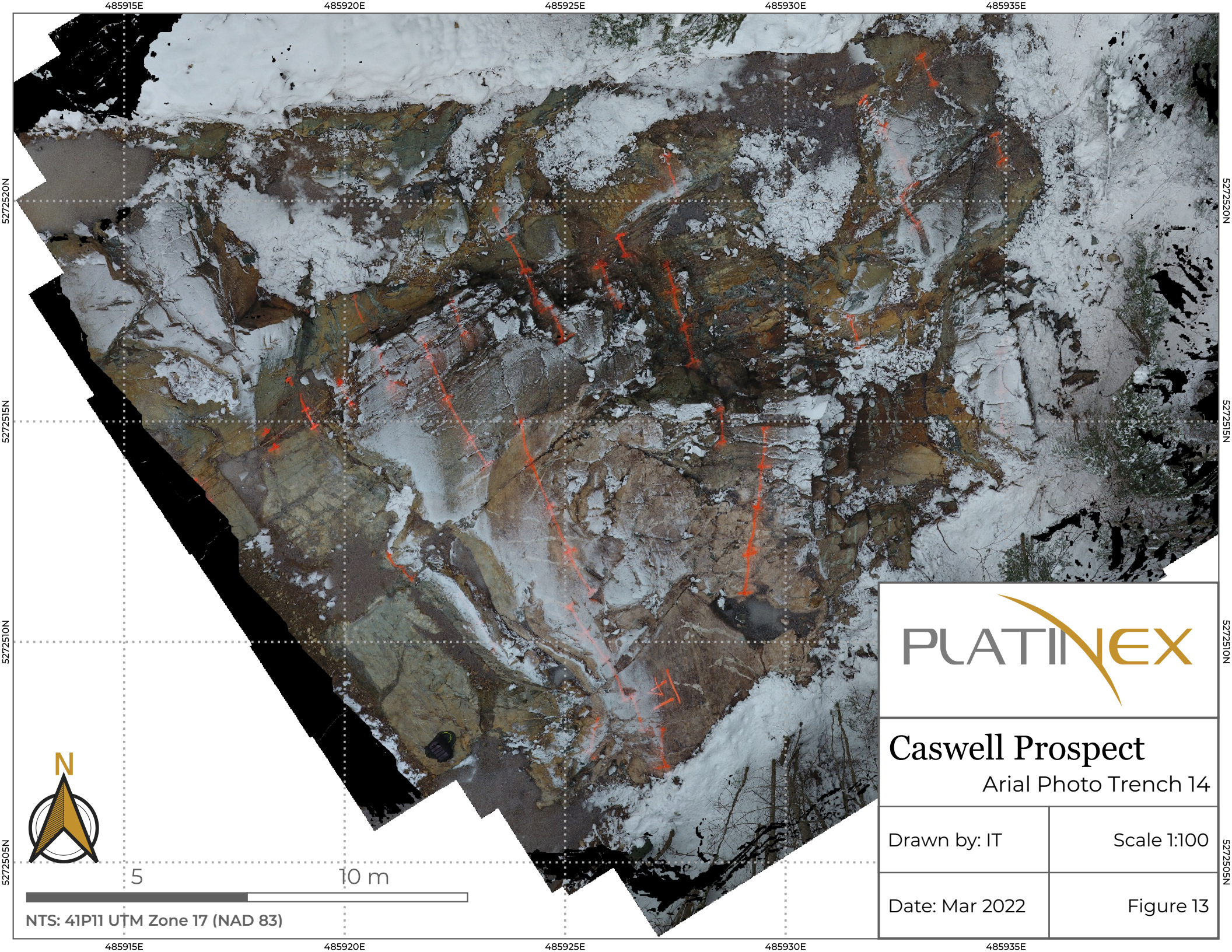
5272500N

5272490N

5272510N

5272500N

5272490N



5272520N
5272515N
5272510N
5272505N

485915E 485920E 485925E 485930E 485935E

485915E 485920E 485925E 485930E 485935E



5 10 m

NTS: 41P11 UTM Zone 17 (NAD 83)



Caswell Prospect

Arial Photo Trench 14

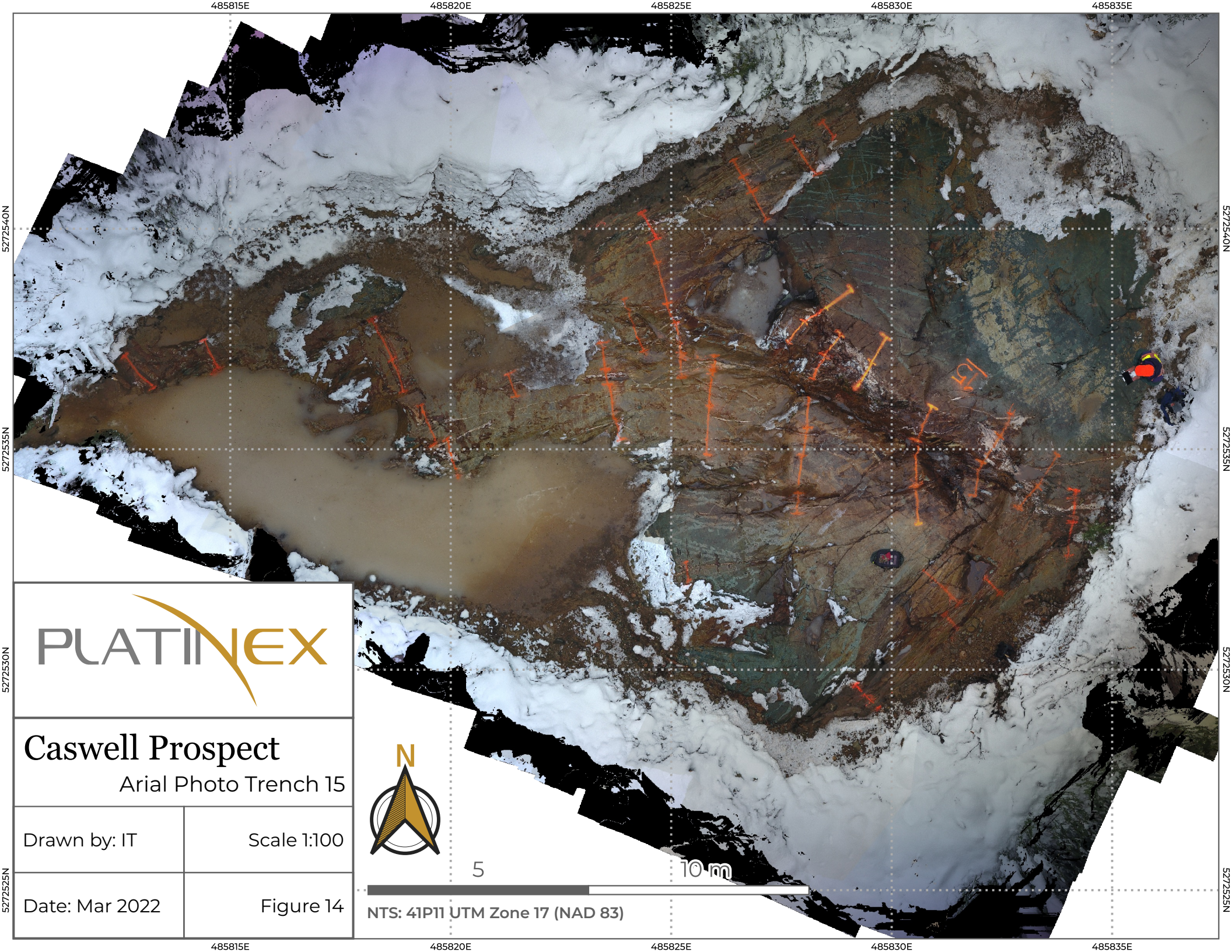
Drawn by: IT

Scale 1:100

Date: Mar 2022

Figure 13

5272520N
5272515N
5272510N
5272505N



485815E 485820E 485825E 485830E 485835E

5272540N

5272540N

5272535N

5272535N

5272530N

5272530N

5272525N

5272525N



Caswell Prospect

Arial Photo Trench 15

Drawn by: IT

Scale 1:100

Date: Mar 2022

Figure 14



5 10 m

NTS: 41P11 UTM Zone 17 (NAD 83)

485815E 485820E 485825E 485830E 485835E

Appendix I
Sample Descriptions and Locations
In NAD 83 Zone 17 UTM

Grab Samples 2020

Sample	Date	Area	Easting	Northing	Description
9165	19-Sep-20	Caswell	485918	5272637	10-20 cm quartz vein, pyrite trace
9167	19-Sep-20	Caswell	485918	5272637	Altered and silicified volcanics, quartz stringers
9168	19-Sep-20	Caswell	485933	5272507	5-10 cm quartz vein
9169	20-Sep-20	Caswell	485915	5272287	0.6m quartz vein
9170	20-Sep-20	Caswell	485915	5272287	Altered, silicified volcanics, 0.1 % pyrite
9171	20-Sep-20	Caswell	486009	5272260	Altered, silicified volcanics, 2-5cm quartz veins
9172	21-Sep-20	Caswell	485935	5272652	0.6 m quartz vein, occasional pyrite
9173	21-Sep-20	Caswell	485951	5272662	0.3-0.5 m quartz vein
9174	22-Sep-20	Caswell	486107	5272295	Altered and silicified volcanics, 0.1-0.2% pyrite
9175	24-Sep-20	Caswell	485899	5272491	0.5 m quartz vein
9176	24-Sep-20	Caswell	485899	5272491	Sheared volcanics, quartz stringers 1-5 cm
9177	30-Sep-20	Caswell	485902	5272647	Sheared volcanics, quartz stringers, trace of py.
9178	30-Sep-20	Caswell	485902	5272647	10-20 cm quartz vein, py. crystals
9179	1-Oct-20	Caswell	485902	5272647	Quartz vein, 1-2 % pyrite crystals
9180	2-Oct-20	Caswell	485826	5272538	20-30 cm quartz vein, trace of py. Crystals
9181	3-Oct-20	Ronda North	484930	5272554	Sheared volc. rocks, quartz veins by shearing.
9182	4-Oct-20	Ronda North	484930	5272554	0.6 m quartz vein, occasional pyrite
9183	4-Oct-20	Ronda North	484930	5272554	5-10 cm quartz vein, py crystals
9184	4-Oct-20	Ronda North	484930	5272554	Sheared volc. Rocs between two veins, py cry
9185	4-Oct-20	Ronda North	485053	5272825	5-10 cm quartz vein by shearing
9186	4-Oct-20	Ronda North	485038	5272808	10-20 cm quartz vein, occasional py.

Channel Samples 2020

Sample	Trench	Channel	Easting	Northing	Length (m)	True Length (m)	Description
L905401	2	1	485881.3	5272624.7	0.60	0.60	Quartz vein and sheared volcanic rocks, 70% quartz, 30% volcanic, trace of py. in volcanic
L905402	2	2	485880.8	5272623.3	0.66	0.66	Volcanic rock, sheared, medium grained, green colour, trace of pyrite.
L905403	2	2	485880.6	5272623.8	0.52	0.52	Same as above, trace of pyrite
L905404	2	2	485880.4	5272624.4	0.73	0.73	Quartz vein, 25 % volcanic rock, trace of pyrite, 1-2mm pyrite crystals
L905405	2	3	485879.7	5272624.6	0.58	0.58	Sheared volcanic rock, green colour, medium grained, trace of py.
L905406	2	4	485879.1	5272623.8	0.60	0.60	Volcanic rock, green colour, medium grained, 40% white quartz veins, trace of py.
L905407	2	5	485878.4	5272623.5	0.60	0.60	White quartz vein fills 60% of the volume, sheared volcanic rocks, trace of py.
L905408	2	5	485878.1	5272624.0	0.60	0.60	Volcanic rocks, green colour, medium grained, quartz stringers, trace of pyrite.
L905409	2	6	485877.9	5272618.7	0.60	0.60	Sheared volcanic rock, green colour, medium grained, trace of py.
L905410	2	6	485877.7	5272619.1	0.48	0.48	Sheared volcanic rock, 1-2 cm quartz veins and stringers, trace of pyrite.
L905411	2	7	485875.3	5272616.5	0.62	0.62	Same as above, trace of pyrite to less than 0.1%
L905412	2	8	485874.5	5272618.3	0.30	0.30	Sheared volcanic rock, quartz stringers, trace of pyrite.
L905413	2	9	485874.6	5272613.2	0.43	0.43	Sheared volcanic rock, 3-5 cm quartz veins and stringers, trace of pyrite.
L905414	2	9	485874.4	5272613.6	0.62	0.62	Volcanic rock, green colour, medium grained, 1-2 mm epidote veinlets, trace to less than 0.1% pyrite
L905415	2	9	485874.1	5272614.3	0.82	0.82	Volcanic rock, green colour, epidote and quartz-epidote vein
L905416	2	9	485873.8	5272615.0	0.78	0.78	Sheared volcanic rock, trace of pyrite
L905417	2	9	485873.6	5272615.5	0.35	0.35	Volcanic rock, 10% quartz stringers, 0.1% pyrite
L905418	2	9	485873.4	5272616.0	0.71	0.71	Sheared volcanic rock, trace of pyrite
L905419	2	10	485873.0	5272620.8	0.57	0.57	Same as above
L905420	2	11	485872.6	5272621.3	0.60	0.60	Volcanic rocks, 20% quartz veins, trace of pyrite
L905421	2	12	485871.4	5272617.7	0.40	0.40	Quartz vein, 20-30% volcanic, 0.1-0.2% pyrite in the vein
L905423	2	13	485869.9	5272618.4	0.68	0.68	Volcanic rock, occasional quartz stringers, trace of pyrite
L905424	2	13	485869.6	5272619.0	0.45	0.45	Quartz vein, 20-30% volcanic, 0.1-0.2% oxidised pyrite
L905425	2	13	485869.4	5272619.5	0.78	0.78	Sheared volcanic rock, quartz stringers, trace of pyrite.
L905426	2	14	485869.5	5272617.0	0.33	0.33	Same as above
L905427	2	14	485869.3	5272617.3	0.23	0.23	Same as above
L905428	2	15	485869.3	5272614.0	0.71	0.71	Sheared volcanic rock, quartz stringers, trace of pyrite.
L905429	2	15	485869.0	5272614.6	0.65	0.65	Same as above
L905430	2	15	485868.8	5272615.2	0.65	0.65	Sheared volcanic rock, trace of pyrite
L905431	2	15	485868.6	5272615.6	0.37	0.37	Sheared volcanic rock, 10 % quartz stringers, trace of pyrite
L905432	2	15	485868.4	5272616.1	0.60	0.60	Same as above, 15 % quartz stringers, trace of pyrite
L905433	2	15	485868.2	5272616.6	0.49	0.49	Sheared volcanic rocks, green colour, medium grained, occasional quartz stringers, trace of pyrite
L905434	2	15	485868.0	5272617.1	0.62	0.62	Same as above
L905435	2	16	485867.4	5272617.6	0.69	0.69	Sheared volcanic rocks, green colour, medium grained, quartz stringers, trace of pyrite
L905436	2	17	485865.8	5272617.8	0.70	0.70	Sheared volcanic rock, quartz stringers, trace of pyrite.
L905437	2	18	485867.0	5272611.3	0.57	0.57	Same as above, 10 % quartz stringers, trace of pyrite
L905438	2	18	485866.8	5272611.9	0.60	0.60	Sheared volcanic rock, trace of pyrite, 5% quartz stringers
L905439	2	19	485865.1	5272615.5	0.54	0.54	Same as above, 5% quartz stringers, pyrite trace
L905440	2	20	485864.7	5272617.5	1.00	1.00	Sheared volcanic rock, 0.5-2 cm quartz veins and stringers, trace to 0.1% pyrite
L905442	2	21	485863.7	5272616.5	0.70	0.70	Sheared volcanic rock, trace pyrite
L905443	2	22	485864.5	5272610.9	0.54	0.54	Same as above
L905444	2	23	485864.1	5272611.4	0.59	0.59	Sheared volcanic rock, partly silicified, trace of fine grade pyrite and pyrite crystals less than 0.1%
L905445	2	24	485863.2	5272612.1	1.07	1.07	Sheared volcanic rock, 10% quartz stringers, trace of pyrite
L905446	2	24	485862.8	5272613.0	0.99	0.99	Sheared volcanic rock, trace of pyrite
L905447	2	25	485861.6	5272613.4	0.53	0.53	Same as above
L905448	2	25	485861.4	5272614.0	0.90	0.90	Same as above, trace to 0.1% pyrite
L905449	2	25	485861.0	5272614.9	0.97	0.97	Sheared volcanic rock, trace of pyrite
L905450	2	26	485861.9	5272611.7	0.51	0.51	Same as above
L905451	2	27	485860.4	5272611.9	0.48	0.48	Sheared volcanic rock, trace of pyrite, occasional quartz stringers
L905452	2	28	485859.6	5272613.1	0.52	0.52	Sheared volcanic rock, trace of pyrite
L905453	2	28	485859.3	5272613.7	0.85	0.85	Same as above
L905454	2	28	485859.0	5272614.5	0.82	0.82	Sheared volcanic rock, trace of pyrite
L905455	2	28	485858.7	5272615.3	0.84	0.84	Same as above
L905456	2	29	485861.5	5272607.6	0.64	0.64	Volcanic rock, low grade solidification, trace of pyrite
L905457	2	30	485860.9	5272608.3	0.71	0.71	Volcanic rock, probably andesite tuff, 1-2 cm quartz vein
L905458	2	30	485860.8	5272609.0	0.83	0.83	Same as above
L905459	2	31	485860.2	5272610.1	0.88	0.88	Volcanic rock, probably andesite tuff,
L905460	2	32	485859.7	5272611.1	1.02	1.02	Same as above
L905462	2	32	485859.4	5272611.8	0.43	0.43	Volcanic rock, probably andesite tuff, 1-2 cm quartz vein
L905463	2	32	485859.2	5272612.2	0.51	0.51	Sheared volcanic rock, trace of pyrite
L905464	2	33	485855.6	5272613.4	0.71	0.71	Same as above, trace of pyrite
L905465	10	1	485887.2	5272663.0	0.99	0.85	Sheared volcanic rock, green colour, medium grained, trace to 0.1% of fine grained pyrite and pyrite crystals
L905466	10	2	485887.6	5272662.6	0.52	0.49	Same as above
L905467	10	3	485889.2	5272661.4	0.37	0.36	Sheared volcanic rock, 2-5 cm quartz vein, trace of pyrite
L905468	10	4	485887.7	5272664.5	0.75	0.74	Volcanic rock, probably tuff, occasional quartz stringers, trace of pyrite
L905469	10	4	485887.5	5272663.9	0.75	0.74	Quartz vein, 5-10 % chloritized volcanic, trace of pyrite
L905470	10	5	485888.5	5272662.9	0.76	0.72	Sheared volcanic rock, occasional quartz stringers, trace of pyrite
L905471	10	5	485888.9	5272662.4	0.51	0.50	Sheared volcanic rocks, 0.5-2 cm quartz veins and stringers, trace to 0.1% pyrite
L905472	10	6	485889.6	5272662.8	0.61	0.61	Sheared volcanic rock, 3-5 cm quartz veins and stringers, trace to 0.1% pyrite
L905473	10	6	485889.9	5272662.2	0.80	0.80	Sheared volcanic rocks, 10% quartz stringers, trace of pyrite
L905474	10	7	485890.0	5272664.3	0.73	0.67	Sheared volcanic rock, green colour, medium grained, partly silicified, trace of pyrite
L905475	10	8	485890.5	5272664.2	0.80	0.80	Same as above, quartz stringers, trace of pyrite
L905476	10	9	485890.6	5272663.5	0.31	0.27	Quartz vein, 10% chloritized volcanic, trace of pyrite
L905477	10	9	485890.6	5272663.2	0.50	0.43	Sheared volcanic rock, 3-5 cm quartz vein, trace to 0.1 pyrite
L905478	10	9	485890.6	5272662.6	0.63	0.63	Volcanic rock, 30% quartz veins, trace of pyrite
L905479	10	9	485890.7	5272662.0	0.80	0.63	Sheared volcanic rock, trace of pyrite
L905480	10	10	485891.3	5272661.5	0.84	0.79	Volcanic rock, quartz veining 30-40 % of the volume, trace of pyrite
L905482	10	11	485891.5	5272661.8	0.54	0.20	Quartz vein, 20-30% volcanic, trace of pyrite
L905483	10	12	485891.5	5272660.9	0.34	0.22	Quartz vein, 30% volcanic, trace of pyrite
L905484	10	13	485891.3	5272664.4	0.43	0.43	Sheared volcanic, 10% quartz, rusty, trace of pyrite
L905485	10	14	485891.4	5272663.0	0.54	0.54	Sheared volcanic rock, 10-20cm quartz vein, trace of pyrite
L905486	10	15	485892.8	5272664.3	0.61	0.61	Sheared volcanic rock, 0.5-1cm quartz stringers and veins, trace of pyrite
L905487	10	15	485892.5	5272663.8	0.61	0.61	Sheared volcanic rock, partly silicified, trace of pyrite
L905488	10	15	485892.3	5272663.3	0.53	0.52	Quartz vein, 5-10 % chloritized volcanic, trace of pyrite
L905489	10	16	485892.7	5272662.9	0.40	0.36	Quartz vein, 5% chlorite veinlets, trace of pyrite
L905490	10	17	485893.8	5272663.0	0.68	0.68	Quartz vein, 5-10 % chloritized volcanic, trace of pyrite
L905491	10	17	485893.9	5272662.5	0.54	0.32	Quartz vein, 5% chloritized volcanic, trace of pyrite in chlorite
L905492	10	18	485893.8	5272661.4	0.50	0.42	Sheared volcanic rock, partly silicified, trace of pyrite
L905493	10	19	485895.5	5272664.6	0.95	0.93	Sheared volcanic rock, partly silicified, trace of pyrite
L905494	10	19	485895.5	5272663.6	0.80	0.76	Same as above
L905495	10	19	485895.6	5272662.9	0.73	0.64	Sheared volcanic rock, 10-20% quartz veins and stringers
L905496	10	19	485895.8	5272662.3	0.82	0.80	Quartz vein, white colour, 1-2 cm chlorite veinlets

Channel Samples 2020

Sample	Trench	Channel	Easting	Northing	Length (m)	True Length (m)	Description
L905497	10	19	485895.9	5272661.9	0.50	0.30	White quartz vein, chlorite fills 5% of the volume
L905498	10	20	485896.3	5272663.4	0.60	0.54	Sheared volcanic rocks, occasional quartz stringers, trace of pyrite
L905499	10	20	485896.4	5272662.9	0.32	0.30	Quartz vein, 20% sheared volcanic, trace of pyrite
L905500	10	21	485897.0	5272662.3	0.53	0.53	Quartz vein, 5-10 % chloritized volcanic, trace to 0.1% pyrite
L902702	10	23	485897.3	5272659.5	0.51	0.51	Sheared volcanic rock, 1-3cm quartz veins, trace of pyrite
L902703	10	22	485897.1	5272661.4	0.81	0.70	Sheared volcanic rock, trace of pyrite
L902704	10	22	485897.1	5272661.0	0.58	0.50	Volcanic rock, partly silicified, trace of pyrite
L902705	10	24	485897.7	5272662.9	0.47	0.40	Shared volcanic rock, 1-5 cm quartz vein, trace of pyrite
L902706	10	24	485897.7	5272662.6	0.38	0.36	Sheared volcanic rock, 1-3 mm pyrite crystals
L902707	10	24	485897.7	5272662.3	0.54	0.44	Quartz vein, 20-30 % volcanic, trace of pyrite
L902708	10	25	485898.0	5272662.4	0.60	0.51	Sheared volcanic, partly silicified, 0.1-0.3 % pyrite
L902709	10	25	485898.1	5272661.8	0.75	0.70	White quartz vein, 5% chlorite, trace of pyrite
L902710	10	26	485898.8	5272659.6	0.67	0.58	Sheared volcanic rock, 1-2 cm quartz vein, trace of pyrite.
L902711	10	26	485898.7	5272658.8	1.08	1.08	Volcanic rock, probably andesite basalt tuff, trace of pyrite
L902712	10	26	485898.7	5272657.9	0.77	0.77	Same as above
L902713	10	27	485899.4	5272664.5	0.54	0.54	Sheared volcanic tuff, 5 cm quartz vein, trace of pyrite crystals
L902714	10	27	485899.3	5272664.0	0.76	0.74	Sheared volcanic rock, 8-10 cm quartz vein, trace of pyrite crystals
L902715	10	28	485899.4	5272663.3	0.63	0.54	Sheared volcanic rock, trace of pyrite
L902716	10	28	485899.4	5272662.9	0.49	0.35	Same as above, silicified, pyrite crystals less than 0.1%
L902717	10	28	485899.4	5272662.5	0.72	0.61	Andesite tuff, 0.5-1cm quartz stringers, 0.1 % pyrite
L902718	10	28	485899.4	5272662.0	0.57	0.55	Volcanic rock, 15-20% of the volume quartz veins, trace of pyrite
L902719	10	28	485899.4	5272661.5	0.54	0.51	Quartz vein, 10-20% chlorite and volcanic rock, trace to 0.1-0.2 % pyrite
L902720	10	29	485899.7	5272661.2	0.67	0.63	Andesite tuff, partly silicified, trace to 0.1% pyrite
L902722	10	30	485900.0	5272660.4	1.11	0.91	Andesite, partly silicified, trace to 0.1% py.
L902723	10	31	485900.5	5272664.3	0.58	0.58	Same as about, 5-10-cm quartz vein
L902724	10	31	485900.4	5272663.7	0.86	0.70	Sheared volcanic rock, partly silicified, 2-3 cm quartz veins, quartz stringers, trace of py.
L902725	10	32	485901.0	5272662.0	0.90	0.86	Sheared volcanic rock, 10 cm quartz vein, quartz stringers, trace to 0.1 % pyrite in quartz and volcanic
L902726	10	32	485901.0	5272661.5	0.62	0.59	20-30 cm quartz vein, sheared volcanic, trace of pyrite
L902727	10	32	485901.0	5272661.1	0.88	0.81	Sheared volcanic rock, occasional quartz stringers, trace of pyrite
L902728	10	32	485901.0	5272660.6	0.70	0.52	Sheared volcanic rock, partly silicified, trace of pyrite
L902729	10	33	485901.0	5272660.0	0.81	0.63	Same as above, 0.1% pyrite crystals
L902730	10	33	485901.0	5272659.5	0.85	0.73	Same as above, 1-2 cm quartz veins, trace of pyrite
L902731	10	35	485901.0	5272658.7	1.00	0.98	Sheared volcanic rock, 10-20 % quartz veins and stringers, trace to 0.1% pyrite
L902732	10	34	485900.7	5272659.1	0.52	0.50	Same as above
L902733	10	36	485900.6	5272658.4	0.57	0.53	Volcanic rock, probably tuff, trace of pyrite
L902734	10	36	485900.3	5272658.1	0.73	0.65	Sheared volcanic rock, 2-3 cm quartz vein, trace of pyrite
L902735	10	37	485899.9	5272657.7	1.06	1.04	Sheared volcanic rock, quartz stringers, trace of pyrite.
L902736	10	37	485899.6	5272657.0	0.94	0.94	Same as above
L902737	10	38	485901.9	5272663.3	0.53	0.49	25 cm quartz vein, sheared volcanic rock, trace of pyrite
L902738	10	39	485902.7	5272663.9	0.87	0.52	Sheared volcanic rock, 1-2 cm quartz vein, trace of pyrite.
L902739	10	40	485904.3	5272664.6	0.79	0.74	Sheared volcanic rock, quartz stringers, trace of pyrite.
L902740	10	40	485904.1	5272663.9	0.61	0.61	Sheared volcanic rock, trace to 0.1% pyrite
L902742	10	40	485903.9	5272663.3	0.79	0.74	Sheared volcanic rock, quartz stringers, trace to 0.1% pyrite.
L902743	10	40	485903.7	5272662.6	0.92	0.72	Sheared volcanic rock, 1-3 cm quartz veins 5% of the volume, 0.1% crystals py in vein and volcanic.
L902744	10	40	485903.5	5272661.9	1.32	0.70	Volcanic rock, occasional quartz stringers, trace of pyrite
L902745	10	40	485903.2	5272661.2	0.91	0.91	Same as above
L902746	10	40	485902.8	5272660.6	0.78	0.56	30 cm quartz vein, sheared and chloritized volcanic, trace to 0.1% pyrite
L902747	10	41	485903.9	5272660.8	0.58	0.52	Volcanic rock, quartz stringers, trace of py.
L902748	10	41	485903.8	5272660.2	0.62	0.62	20 cm quartz vein, sheared and silicified volcanic, trace of pyrite
L902749	10	42	485905.1	5272660.2	0.76	0.75	10-15 cm quartz vein, sheared volcanic, trace of pyrite
L902750	10	43	485905.7	5272660.7	1.00	0.63	Volcanic rock, occasional quartz stringers, trace of pyrite
L902751	10	44	485906.0	5272660.1	0.42	0.41	10-15 cm quartz vein, sheared volcanic, trace to 0.1% pyrite
L902752	11	1	485936.3	5272660.1	0.66	0.63	Sheared volcanic rock, 25-30 cm quartz vein, 1-3 mm cubic crystals in in volcanic 0.5-1%, trace py in quartz.
L902753	11	2	485938.1	5272656.0	0.45	0.45	40 cm quartz vein, altered and chloritized volcanic rock with schistose structure, trace of pyrite
L902754	11	3	485938.8	5272656.4	0.40	0.40	Quartz vein, chlorite veinlet, trace of fine grained pyrite accompanied with chlorite.
L902755	11	4	485939.5	5272656.8	0.75	0.74	40 cm quartz vein, sheared volcanic rock, chlorite in quartz vein, trace to 0.1 % pyrite in volcanic
L902756	11	4	485939.7	5272656.3	0.35	0.35	Altered and sheared volcanic, high deformation, 0.5-2 cm quartz veins by shearing, trace of py.
L902757	11	4	485939.9	5272655.9	0.47	0.47	Sheared volcanic rock, green colour, medium grained, occasional quartz stringers, silicified, py. Trace.
L902758	11	5	485938.4	5272660.5	0.71	0.54	Same as above, trace of pyrite.
L902759	11	5	485938.6	5272660.0	0.75	0.57	Same as above
L902760	11	5	485938.9	5272659.4	0.90	0.70	Same as above
L902761	11	5	485939.1	5272658.8	0.59	0.58	Same as above
L902762	11	5	485939.4	5272658.1	0.95	0.93	Same as above
L902763	11	6	485940.0	5272657.3	0.62	0.56	Shear zone, altered and sheared volcanic, 0.5-2 cm quartz veins by shearing, trace of pyrite
L902764	11	7	485940.5	5272656.2	0.59	0.59	Sheared volcanic rock, partly silicified, occasional quartz stringers by shearing, trace to 0.1% py.
L902765	11	7	485940.7	5272655.7	0.58	0.58	Same as above
L902766	11	7	485940.9	5272655.2	0.45	0.45	Same as above
L902767	11	8	485940.3	5272659.3	0.73	0.67	Same as above
L902768	11	8	485940.5	5272658.8	0.36	0.36	15-20 cm quartz vein, sheared volcanic, trace to 0.5% pyrite in vein and volcanic.
L902769	11	8	485940.7	5272658.4	0.90	0.70	Sheared volcanic rock, partly silicified, medium grained, trace of pyrite
L902770	11	9	485941.0	5272657.6	0.33	0.25	Sheared and altered volcanic rock, strong deformation, quartz veins by shearing fill 20 % of the volume.
L902771	11	9	485941.1	5272657.4	0.20	0.18	20 cm quartz vein, chlorite and tourmaline veinlets, trace of pyrite
L902772	11	10	485941.8	5272656.1	0.68	0.60	Andesite, green colour, fine to medium grained, occasional quartz stringers, trace of pyrite
L902773	11	11	485941.7	5272658.1	0.54	0.52	Sheared volcanic rock, 2 quartz veins 2to 3 cm., trace of pyrite
L902774	11	12	485940.8	5272660.6	0.40	0.39	15 cm quartz vein, sheared volcanic rocks, trace of pyrite
L902775	11	12	485940.9	5272660.2	0.50	0.47	Sheared volcanic rocks, trace of pyrite
L902776	11	13	485943.0	5272659.1	0.90	0.88	Sheared and carbonatized volcanic, 1-2 cm quartz veins by shearing, trace of pyrite.
L902777	11	13	485943.3	5272658.4	0.69	0.64	30 cm quartz vein, sheared and chloritized volcanic, trace of pyrite, dips vertical
L902778	11	13	485943.5	5272657.8	0.72	0.71	Sheared volcanic, quartz stringers, trace of pyrite.
L902779	11	14	485944.0	5272656.9	0.39	0.39	Andesite, quartz stringers, trace of pyrite.
L902780	11	15	485941.7	5272661.3	0.87	0.72	Sheared volcanic, 0.5-1 cm quartz veins by shearing, trace of pyrite
L902781	11	16	485942.6	5272660.1	0.60	0.50	Quartz vein and sheared volcanic rocks, 2-3 mm pyrite crystals fill 0.1 % of the volume.
L902782	11	17	485943.5	5272659.8	0.50	0.40	Quartz vein, 20% sheared volcanic, trace of pyrite
L902784	11	18	485944.0	5272658.7	0.61	0.61	Intensive shear zone, dips vertical, 1.5 cm quartz veins by shearing.
L902785	11	18	485944.2	5272658.1	0.60	0.60	Sheared volcanic rock, carbonatized, partly silicified and chloritized, 2-5 cm quartz vein, trace to 0.1% py.
L902786	11	18	485944.4	5272657.7	0.35	0.30	Same as above
L902787	11	19	485944.8	5272658.4	0.59	0.59	Sheared volcanic rock, partly silicified, occasional quartz stringers, trace of pyrite.
L902788	11	20	485944.2	5272659.2	0.89	0.89	Altered volcanic, strong shearing, 20 cm quartz vein, small quartz veins by shirring, trace py.
L902789	11	21	485945.1	5272659.3	0.66	0.65	30 cm quartz vein, altered and sheared volcanic, 1-2 cm quartz veins by shearing, trace to 0.2% pyrite.
L902790	11	22	485945.5	5272659.9	0.31	0.31	10 cm quartz vein, sheared volcanic rocks, 0.1% pyrite crystals

Channel Samples 2020

Sample	Trench	Channel	Easting	Northing	Length (m)	True Length (m)	Description
L902791	11	23	485944.6	5272662.4	0.79	0.79	Volcanic rocks, partly sheared and silicified, occasional 1-2 cm quartz veins by shearing
L902792	11	23	485945.0	5272661.7	0.86	0.86	Same as above
L902793	11	23	485945.3	5272660.9	0.89	0.89	Same as above
L902794	11	24	485946.2	5272659.5	0.40	0.91	Altered and sheared volcanic, 5-10 cm quartz veins, trace of py.
L902795	11	25	485945.8	5272656.7	0.87	0.79	Sheared volcanic rocks, occasional quartz stringers, trace of pyrite
L902796	11	26	485947.0	5272660.2	0.40	0.31	10 cm quartz vein, sheared volcanic rocks, trace of pyrite
L902798	11	28	485947.6	5272656.9	0.27	0.25	10 cm quartz vein, sheared volcanic rocks, silicified, trace of pyrite.
L902799	11	28	485947.8	5272656.5	0.58	0.55	Sheared volcanic rock, quartz stringers, trace of pyrite.
L902800	11	28	485948.0	5272656.0	0.58	0.56	Same as above
L902801	11	29	485947.7	5272660.5	0.40	0.35	Quartz vein, chlorite and tourmaline veinlets
L902802	11	30	485947.7	5272660.0	0.58	0.46	Volcanic rocks, trace to 0.2 % pyrite
L902803	11	31	485947.8	5272659.5	0.62	0.62	Volcanic rocks, quartz stringers, trace to 0.1% pyrite in volcanic and stringers.
L902804	11	32	485948.2	5272656.7	0.41	0.38	Silicified volcanic, 2-3 cm quartz vein, trace of pyrite.
L902805	11	33	485949.3	5272656.5	0.57	0.40	Sheared volcanic rocks, 20% quartz veins and stringers, trace to 0.1% pyrite
L902806	11	33	485949.5	5272655.9	1.00	1.00	Volcanic rock, partly silicified, trace to 0.1% of pyrite
L902807	11	34	485948.0	5272661.2	0.55	0.55	Same as above
L902808	11	35	485948.6	5272660.7	0.20	0.19	Quartz vein, chlorite and tourmaline veinlets, trace to 0.1% pyrite
L902809	11	36	485949.1	5272659.4	0.53	0.50	Volcanic rock, partly silicified, trace of pyrite
L902810	11	37			0.54	0.54	Volcanic rock, probably andesite tuff, medium to coarse grained, partly silicified, trace of pyrite
L902811	11	38	485950.7	5272656.7	0.52	0.51	Same as above, occasional quartz stringers
L902812	11	38	485950.9	5272656.4	0.32	0.30	Volcanic rocks, 5 cm quartz vein, trace of pyrite.
L902813	11	39	485951.6	5272656.7	0.42	0.42	Sheared volcanic rock, 1-3 cm quartz veins and stringers, trace to 0.1 % pyrite
L902814	11	39	485951.8	5272656.2	0.79	0.79	Andesite tuff, medium grained, occasional quartz stringers, trace to 0.1% fine grained pyrite and crystals.
L902815	11	40	485950.6	5272660.1	0.60	0.51	Quartz vein, 5-10% chlorite and tourmaline, trace of pyrite.
L902816	11	41	485950.9	5272660.7	0.40	0.39	Strong shearing zone, quartz veins by shearing, trace of pyrite.
L902817	11	42	485951.1	5272660.3	0.39	0.39	Quartz vein, trace of pyrite
L902818	11	43	485951.5	5272658.8	0.80	0.65	Volcanic rock, partly silicified, occasional quartz veins and stringers, trace to 0.1% pyrite, py crystals
L902819	11	43	485951.8	5272658.1	0.89	0.88	Same as above
L902821	11	44	485952.2	5272657.1	0.40	0.40	Same as above
L902822	11	42	485951.2	5272660.0	0.56	0.30	Sheared volcanic rocks, partly silicified, 0.5-1 cm quartz stringers, trace to 0.1% fine grained pyrite and crys.
L902823	11	45	485951.8	5272660.9	0.50	0.50	Sheared volcanic rock, 5 cm quartz vein, 1-2% pyrite crystals in the vein, 0.1-0.5% in volcanic
L902824	11	46	485952.1	5272660.3	0.86	0.84	40 cm quartz vein, sheared volcanic rock, 0.5-1% pyrite in the vein, 0.1-0.5 in the volcanic
L902825	11	47	485952.3	5272659.2	0.42	0.39	Andesite, fresh, 2-3 cm quartz vein, trace of pyrite
L902826	11	48	485952.7	5272658.2	1.09	0.96	Same as above
L902827	11	48	485953.0	5272657.5	0.76	0.63	Sheared volcanic rocks, occasional quartz stringers, trace of pyrite
L902828	11	48	485953.2	5272657.0	0.49	0.47	Same as above
L902829	11	48	485953.4	5272656.6	0.49	0.44	Green carbonate rock, quartz veins and stringers fill 10-20% of the volume, trace of pyrite.
L902830	11	48	485953.7	5272655.9	0.98	0.94	Volcanic rock, partly silicified, occasional quartz stringers, trace of pyrite
L902831	11	48	485953.9	5272655.3	0.37	0.36	Sheared volcanic rock, green colour, medium to coarse grained, 2-3 cm quartz vein, stringers, trace py.
L902832	11	48	485954.1	5272654.8	0.89	0.81	Sheared volcanic rock, quartz stringers, trace of pyrite.
L902833	11	49	485953.7	5272660.1	0.31	0.30	Quartz vein, 10% chloritized volcanic, trace of pyrite
L902834	11	50	485953.2	5272659.9	0.40	0.36	Schist volcanic, strong deformation, 1-5 cm quartz veins by shearing, trace of pyrite
L902835	11	51	485954.1	5272656.8	0.58	0.56	Sheared volcanic rock, green colour, medium to coarse grained, 1-2 cm quartz vein, stringers, trace-0.1%py.
L902836	11	52	485954.1	5272660.1	0.86	0.70	Same as above
L902837	11	53	485954.6	5272659.7	0.45	0.39	Same as above
L902838	11	54			0.66	0.66	Same as above
L902839	11	55	485956.4	5272656.9	0.68	0.67	Volcanic rock, green colour, medium grained, occasional quartz stringers, trace of pyrite
L902841	11	55	485956.6	5272656.3	0.62	0.62	Green volcanic rock, sheared, 1-3 cm quartz vein, quartz stringers, trace py.
L902842	11	55	485956.9	5272655.6	0.80	0.80	Same as above
L902843	11	56	485953.6	5272663.4	0.45	0.44	Volcanic tuff, green colour, sheared, trace of pyrite
L902844	11	58	485956.6	5272659.6	0.80	0.80	Same as above, partly silicified, trace of fine grained pyrite
L902845	11	58	485957.0	5272659.1	0.67	0.66	Quartz vein, 10 % volcanic, 0.1-0.5% pyrite in the vein accompanied with chlorite veinlets
L902846	11	59	485953.9	5272665.6	0.90	0.90	Sheared volcanic rock, green colour, fine to medium grained, trace of pyrite
L902847	11	59	485954.3	5272664.7	0.96	0.96	Same as above
L902848	11	59	485954.7	5272663.9	0.93	0.93	Same as above
L902849	11	60	485955.3	5272662.7	0.49	0.48	Sheared volcanic rock, 10 cm quartz-carbonate vein, trace to 0.1% pyrite
L902850	11	61	485955.9	5272661.9	0.38	0.33	Quartz vein, 10% chloritized volcanic, chlorite veinlets in quartz accompanied with py, from trace to 0.1%
L903301	11	62	485956.4	5272663.0	0.46	0.46	Strong shearing zone in volcanic, partly silicified, 3-5 cm vein by shearing, trace of pyrite
L903302	11	63	485956.8	5272662.5	0.94	0.93	Sheared volcanic, green colour, medium grained, partly silicified, occasional quartz stringers, py trace
L903303	11	64	485958.0	5272662.2	0.48	0.48	Same as above
L903304	11	64	485958.2	5272661.5	0.89	0.89	Same as above
L903305	11	65	485958.7	5272659.4	0.61	0.59	Andesite, green colour, fine to medium grained, occasional quartz stringers, trace of pyrite
L903306	11	65	485959.0	5272658.8	1.10	0.63	Sheared volcanic, 50% quartz veins by shearing, probably tourmaline in the quartz, trace to 0.2% pyrite
L903307	11	65	485959.2	5272658.1	0.99	0.98	Sheared volcanic, green colour, medium grained, partly silicified, occasional quartz stringers, py trace
L903308	11	65	485959.3	5272657.5	0.26	0.26	Same as above
L903309	11	65	485959.2	5272657.1	0.49	0.49	Same as above, quartz carbonate veinlets by shearing.
L903310	11	66	485960.3	5272657.6	0.71	0.70	Fine grained volcanic, quartz carbonate veinlets by shearing
L903311	11	66	485960.6	5272657.0	0.69	0.68	Green volcanic, medium grained, quartz carbonate veinlets by shearing, partly silicified, trace of pyrite
L903312	11	66	485960.8	5272656.4	0.58	0.57	Same as above
L903313	11	67	485962.9	5272660.1	0.63	0.63	Quartz vein, chlorite and tourmaline veinlets in, brecciate intervals from mm to 1-2 cm, trace of pyrite
L903314	11	67	485963.1	5272659.4	0.84	0.83	Green volcanic rock, medium grained, partly silicified, trace of pyrite
L903315	11	67	485963.3	5272658.8	0.44	0.43	Same as above, 1-2 cm quartz veins, trace of pyrite
L903316	11	67	485963.4	5272658.3	0.58	0.57	Same as above
L903317	11	67	485963.6	5272657.6	0.92	0.81	Same as above
L903318	11	68	485963.7	5272656.8	0.62	0.60	Same as above
L903319	11	69	485964.4	5272656.1	1.16	1.09	Volcanic rock, green colour, partly silicified, quartz-carbonate veinlets, trace of pyrite
L903321	11	70	485962.9	5272661.9	0.67	0.66	Same as above
L903322	11	70	485963.1	5272661.4	0.48	0.48	Same as above
L903323	11	70	485963.4	5272660.8	0.84	0.84	Sheared volcanic rock, green colour, partly silicified, 2-3 cm quartz veins, 0.1-0.5 pyrite crystals.
L903324	11	70	485963.6	5272660.2	0.56	0.54	Quartz vein, chlorite and tourmaline veinlets, 0.1-0.5% pyrite
L903325	11	71	485964.9	5272660.3	0.43	0.40	Sheared volcanic rock, partly silicified, trace of pyrite
L903326	11	72	485964.9	5272674.0	1.02	0.99	Andesite tuff, green colour, fine to medium grained, quartz carbonate veinlets by foliation, trace of py.
L903327	11	73	485963.4	5272673.2	0.65	0.65	Same as above, 5-10% quartz veining, trace of pyrite.
L903328	11	74	485963.6	5272671.9	1.05	1.04	Volcanic rock, green colour, medium grained, occasional quartz stringers, trace of pyrite
L903329	11	74	485963.6	5272670.9	1.16	1.02	Same as above
L903330	11	75	485965.1	5272671.0	0.57	0.57	Same as above, trace of pyrite
L903331	11	76	485963.8	5272669.7	1.21	1.20	Same as above, trace of pyrite
L903332	11	76	485963.8	5272668.6	0.97	0.96	Same as above, trace of pyrite
L903333	11	77	485963.4	5272667.6	0.74	0.73	Same as above, occasional quartz stringers, trace of pyrite
L903334	11	78	485964.3	5272666.9	0.83	0.70	Same as above, trace of pyrite

Channel Samples 2020

Sample	Trench	Channel	Easting	Northing	Length (m)	True Length (m)	Description
L903335	11	78	485964.6	5272666.3	0.89	0.72	Same as above, 2 cm quartz vein, trace of pyrite.
L903336	11	78	485964.9	5272665.6	0.96	0.87	Volcanic rocks, trace of pyrite.
L903337	11	78	485965.2	5272664.8	0.74	0.69	Same as above
L903338	11	78	485965.5	5272664.1	1.08	0.99	Sheared volcanic rock, green colour, fine to medium grained, fine grained pyrite and pyrite veinlets by shearing.
L903339	11	79	485965.5	5272663.3	0.65	0.59	Same as above
L903341	11	80	485966.1	5272662.9	0.84	0.84	Sheared volcanic rock, occasional quartz stringers, trace of pyrite
L903342	11	81	485965.9	5272662.2	0.79	0.79	Volcanic rocks, quartz stringers, trace pyrite.
L903343	11	81	485966.2	5272661.4	0.95	0.90	Same as above
L903344	11	81	485966.6	5272660.5	1.20	1.16	Same as above
L903345	11	81	485966.9	5272659.8	0.33	0.29	20 cm quartz vein, sheared volcanic, trace of pyrite
L903346	11	81	485967.0	5272659.4	0.56	0.56	Volcanic rocks, quartz stringers, 20 cm quartz vein, chlorite and tourmaline veinlets in vein, trace of pyrite
L903347	11	82			1.02	1.02	Sheared volcanic rock, quartz carbonate stringers from mm. to 1-2 cm., trace of pyrite
L903348	11	82			0.79	0.78	Same as above
L903349	11	83	485967.5	5272661.8	1.31	1.30	Sheared volcanic rock, green colour, medium grained, quartz carbonate stringers, trace of pyrite.
L903350	11	84	485968.5	5272659.8	0.33	0.33	Same as above, 3-5 cm quartz vein, trace of pyrite.
860501	11	85	485968.8	5272659.0	1.05	1.05	Volcanic rock, green colour, fine to medium grained, quartz stringers by shearing from mm to 1-2 cm., py trace.
860502	11	85	485969.3	5272658.1	1.09	1.08	Same as above, trace of pyrite
860503	11	85	485969.7	5272657.2	0.86	0.86	Same as above
860504	11	85	485970.0	5272656.4	0.92	0.91	Same as above
860505	11	85	485970.4	5272655.6	0.93	0.83	Green volcanic rock, medium grained, partly silicified, occasional quartz stringers, trace of pyrite
860506	11	86	485965.3	5272672.4	0.82	0.80	Same as above
860507	11	87			0.57	0.50	Sheared volcanic rock, quartz stringers, 10 cm quartz vein, trace of pyrite.
860508	11	89	485970.0	5272659.9	0.57	0.50	Sheared volcanic rock, green colour, fine to medium grained, 1-3 cm quartz carbonate veins by shearing, py trace
860509	11	90	485970.6	5272659.8	0.74	0.73	Same as above
860510	11	91	485971.3	5272659.5	0.47	0.46	Same as above, 5-10% quartz veining, stringers, trace of pyrite.
860511	11	92	485972.2	5272659.7	0.29	0.28	Same as above, 3-5 cm quartz vein, 0.5% pyrite.
860512	11	92	485972.4	5272659.3	0.68	0.66	Silicified volcanic, 3-5 cm quartz vein, trace of pyrite.
860513	11	93			0.40	0.35	Sheared and silicified volcanic, 1-5 cm quartz veins, pyrite in veins and volcanic from trace to 0.1 %
860514	11	94	485970.1	5272667.0	0.51	0.50	Fine grained volcanic tuff, trace of pyrite
860515	11	94	485970.4	5272666.5	0.60	0.60	Same as above
860516	11	95	485970.9	5272665.7	1.23	1.20	Same as above
860517	11	95	485971.2	5272665.0	0.46	0.44	Same as above, occasional quartz stringers, trace of pyrite
860518	11	95	485971.5	5272664.3	0.95	0.94	Fine grained andesite tuff, quartz carbonate stringers from mm. to 1 cm. trace of pyrite
860519	11	96	485971.8	5272663.7	0.43	0.43	Same as above
860520	11	97	485972.7	5272663.7	0.95	0.94	Same as above, irregular quartz carbonate stringers fill 5% of the volume, trace of fine grained pyrite and py cryst.
860521	11	98	485973.0	5272661.8	0.78	0.74	Same as above
860522	11	98	485973.4	5272661.0	0.97	0.92	Sheared volcanic rocks, silicified, 10% quartz, trace of pyrite.
860523	11	99	485969.6	5272669.5	0.95	0.94	Same as above
860524	11	100	485970.8	5272671.3	0.36	0.35	Same as above
860525	11	101	485971.3	5272670.8	0.94	0.91	Volcanic rock, green colour, medium grained, occasional quartz stringers, trace of pyrite
860526	11	102	485971.7	5272670.2	0.55	0.54	Volcanic rock, quartz carbonate stringers, trace of pyrite
860527	11	103	485971.5	5272669.1	0.93	0.90	Fine grained andesite tuff, occasional quartz stringers, pyrite trace.
860528	11	104	485971.7	5272667.5	0.90	0.90	Same as above
860529	11	105	485973.2	5272669.2	0.40	0.37	Sheared volcanic rock, fine grained, green colour, trace of pyrite
860531	11	106	485973.8	5272668.0	0.71	0.61	Same as above
860532	11	107	485974.0	5272667.4	0.54	0.54	Volcanic tuff, green colour, occasional quartz-carbonate stringers, trace of pyrite
860533	11	108	485975.5	5272669.2	0.50	0.50	Same as above
860534	11	108	485975.7	5272668.8	0.50	0.50	Same as above, quartz carbonate veinlets by shearing. Trace to 0.1% pyrite
860535	11	109	485975.3	5272667.0	0.95	0.94	Same as above, occasional quartz stringers, trace of pyrite
860536	11	88			0.58	0.57	Same as above, trace of pyrite
860537	12	1	485923.2	5272639.3	0.59	0.54	Sheared volcanic rock, green colour, fine grained, occasional quartz-carbonate by shearing, trace of pyrite.
860538	12	2	485923.9	5272637.2	0.70	0.70	Sheared volcanic rock, green colour, medium grained, carbonatized, 1-3 mm carbonate veinlets by shearing
860539	12	2	485923.3	5272637.6	0.96	0.96	Sheared volcanic rock, medium to coarse grained, partly silicified, trace of py.
860540	12	2	485922.8	5272638.2	1.05	1.01	Same as above
860541	12	2	485921.9	5272639.1	0.81	0.76	Sheared and carbonatized volcanic, 10 cm quartz vein, fine grained pyrite in the vein from trace to 0.1%.
860542	12	2	485921.3	5272639.6	0.80	0.77	Volcanic rock, medium grained, partly silicified, quartz carbonate stringers, trace of pyrite
860543	12	2	485920.6	5272640.0	1.20	1.00	Sheared volcanic rock, green colour, 1-3 cm quartz-carbonate veins, quartz stringers, trace of py.
860544	12	2	485920.3	5272640.3	0.60	0.59	Same as above, quartz stringers, trace of pyrite
860545	12	3	485919.0	5272639.9	0.49	0.48	Altered and sheared volcanic, 1-2 cm quartz-carbonate veins by shearing, quartz stringers, trace of pyrite.
860546	12	4	485921.5	5272636.6	0.56	0.56	Green volcanic rock, occasional quartz-carbonate stringers, trace of pyrite.
860547	12	5	485920.1	5272637.3	0.54	0.50	Altered and sheared volcanic, altered carbonate by shearing, trace of pyrite
860548	12	6	485919.5	5272638.0	0.60	0.60	Sheared volcanic rocks, 20% quartz veins, pyrite in the vein accompanied with chlorite and tourmaline.
860549	12	7	485918.8	5272639.1	1.40	1.15	Sheared volcanic rock, 0.5-1 cm. quartz veins by shearing, quartz stringers, trace of pyrite.
860551	12	8	485920.4	5272635.9	1.17	1.17	Altered volcanic, strong shearing, 1-2 cm quartz veins by shearing, trace py.
860552	12	8	485919.7	5272636.3	0.78	0.78	Sheared volcanic, carbonatized, quartz veins from 1-2 cm. to 10 cm., fine grained pyrite and py. Veinlets, 0.1-0.3%
860553	12	9	485918.8	5272637.0	0.79	0.70	Sheared volcanic rocks, quartz-carbonate by shearing, trace of pyrite.
860554	12	9	485918.4	5272637.4	0.77	0.77	Volcanic rock, green colour, medium grained, partly silicified, and carbonatized, quartz-carbonate stringers, py trace
860555	12	9	485918.0	5272637.8	0.47	0.47	(green carbonate) volcanic rock, quartz carbonate by shearing fill 30-40% of the volume, trace of py.
860556	12	10	485917.5	5272637.9	0.41	0.40	Same as above, 40 cm quartz vein
860557	12	11	485915.9	5272639.4	0.56	0.55	Sheared volcanic rock, green colour, medium grained, 3-5% quartz carbonate stringers, trace of pyrite
860558	12	12	485920.3	5272635.0	0.67	0.67	Altered and sheared volcanic rock, carbonatized, 1-2 cm quartz vein by shearing, trace py
860559	12	13	485919.4	5272635.0	0.83	0.82	Sheared volcanic rock, 45 cm. quartz vein, chlorite and tourmaline veinlets in the vein, trace to 0.1% pyrite.
860561	12	13	485918.8	5272635.4	0.62	0.51	Sheared volcanic rock, silicified and carbonatized, quartz-carbonate by shearing, trace of py.
860562	12	13	485918.1	5272635.9	0.99	0.98	Sheared volcanic rock, altered, silicified to 10% of the volume, quartz-carbonate stringers, 0.1% pyrite
860563	12	13	485917.4	5272636.3	0.57	0.49	Sheared, silicified and carbonatized volcanic, quartz and carbonate stringers by shearing and cross it, 0.1% py.
860564	12	13	485916.3	5272636.6	0.89	0.88	Same as above, 5 cm quartz vein, trace of fine grained pyrite in volcanic and vein.
860565	12	14	485914.2	5272636.9	0.70	0.69	Volcanic rock, sheared and partly silicified, carbonatized, quartz carbonate stringers, trace pyrite
860566	12	14	485913.9	5272637.2	0.56	0.56	Same as above
860567	12	15	485918.4	5272634.0	0.59	0.58	Sheared volcanic rock, silicified and carbonatized, 20 cm quartz vein, tourmaline veinlets in vein, trace of py.
860568	12	16	485918.7	5272632.6	0.41	0.41	Quartz-carbonate-chlorite vein, 10 % volcanic, quartz-carbonate stringers, trace of pyrite.
860569	12	16	485918.4	5272632.8	0.44	0.44	Silicified and carbonatized volcanic rock, quartz-carbonate stringers, trace of pyrite.
860570	12	16	485917.9	5272633.0	0.71	0.71	55 cm quartz vein, altered and sheared volcanic, chlorite and tourmaline in the vein, trace of pyrite
860571	12	16	485917.5	5272633.2	0.41	0.41	Green volcanic rock, silicified, 1-3 cm quartz veins, stringers, trace of pyrite.
860572	12	16	485916.9	5272633.6	1.02	0.99	Same as above, occasional quartz stringers, trace of pyrite
860573	12	16	485916.2	5272634.0	0.92	0.92	Sheared volcanic rocks, partly silicified and carbonatized, quartz stringers 3-5% of the volume, trace of pyrite.
860574	12	16	485915.8	5272634.6	1.06	1.00	Same as above, 1-3% quartz carbonate stringers, trace of pyrite.
860575	12	16	485915.7	5272635.3	0.82	0.70	Same as above, occasional quartz stringers, trace of pyrite
860576	12	17	485915.4	5272635.7	0.54	0.54	Sheared volcanic rock, 1-3 cm quartz vein, altered hematite, quartz-carbonate stringers, trace of pyrite.
860577	12	18	485914.2	5272638.4	0.44	0.43	Volcanic tuff, medium grained, green colour, trace of pyrite.
860578	12	18	485913.7	5272638.8	0.69	0.66	Same as above

Channel Samples 2020

Sample	Trench	Channel	Easting	Northing	Length (m)	True Length (m)	Description
860579	12	19	485913.2	5272638.0	0.64	0.64	Same as above, 0.5-1cm quartz veins, trace of pyrite
860581	12	19	485912.7	5272638.2	0.31	0.31	Altered and sheared volcanic, trace of fine grained pyrite
860582	12	20	485923.3	5272629.4	0.51	0.50	Sheared volcanic rock, occasional quartz stringers, trace of pyrite
860583	12	21	485922.1	5272630.2	1.04	1.04	Sheared volcanic rock, partly silicified and carbonatized, trace of pyrite, occasional quartz stringers.
860584	12	22	485920.8	5272630.7	0.56	0.56	Same as above
860585	12	23	485919.9	5272631.1	0.32	0.32	Green volcanic rock, silicified, quartz stringers from mm. to 1cm, fine grained pyrite from trace to 0.1%
860586	12	24	485919.8	5272631.6	0.97	0.94	Same as above. 1-3 cm irregular quartz veins, trace of pyrite.
860587	12	25	485919.0	5272631.9	0.46	0.46	Sheared, silicified and carbonatized volcanic, 5 to 15 cm quartz veins, chlorite and tourmaline veinlets in veins.
860588	12	26	485918.7	5272632.2	0.48	0.48	Sheared volcanic rock, quartz carbonate stringers, trace of pyrite
860589	12	27	485918.0	5272630.8	0.45	0.45	Sheared volcanic, silicified and partly carbonatized, quartz stringers from mm. to 1cm., trace of pyrite.
860590	12	28	485917.3	5272631.0	0.86	0.85	Same as above
860591	12	29	485914.9	5272632.9	0.69	0.64	Same as above, quartz-carbonate by shearing, trace of pyrite.
860592	12	29	485914.6	5272633.3	0.76	0.74	Same as above
860593	12	29	485914.1	5272633.7	0.76	0.75	Volcanic rock, green colour, medium grained, quartz-carbonate by foliation from mm. to 1cm, trace of pyrite
860594	12	29	485913.7	5272634.0	0.81	0.79	Same as above, occasional quartz veins, 1-2 cm by shearing, trace of pyrite
860595	12	30	485922.3	5272628.9	0.65	0.64	Same as above, silicified at 20-30% of the volume, quartz-carbonate stringers, trace of pyrite.
860596	12	31	485921.6	5272629.0	0.69	0.66	Sheared volcanic rock, quartz-carbonate stringers, trace py.
860597	12	32	485911.3	5272636.6	0.80	0.80	Sheared volcanic, green colour, medium grained, occasional quartz-carbonate stringers, py trace
860598	12	32	485910.8	5272637.2	0.68	0.68	Altered and sheared volcanic rock, silicified, carbonatized, and chloritized, quartz-carbonate by shearing, 30-40%
860599	12	32	485910.2	5272637.8	1.17	1.08	Sheared volcanic rock, green colour, partly silicified, trace of pyrite
860601	12	33	485910.7	5272635.8	0.88	0.83	Volcanic rock, fine to medium grained, green colour, quartz stringers, 3 cm quartz vein, trace of pyrite
860602	12	33	485910.0	5272636.3	0.43	0.42	Altered and sheared volcanic, quartz stringers, 10 cm quartz vein, trace of pyrite.
860603	12	34	485909.6	5272637.0	0.68	0.66	Fine grained volcanic rock, green colour, occasional quartz stringers, disseminated fine grained pyrite.
860604	12	35	485908.7	5272635.8	1.09	1.07	Green volcanic rock, fine to medium grained, quartz stringers, 20 cm quartz vein, trace of pyrite.
860605	12	36	485907.5	5272635.0	0.35	0.35	Fine grained volcanic rock, 10 cm quartz vein, quartz stringers, trace of fine grained pyrite.
860606	12	37	485906.7	5272634.5	0.45	0.45	Same as above, 10 cm quartz vein, trace of pyrite.
860607	12	37	485906.2	5272634.9	0.89	0.87	Volcanic rock, green colour, occasional quartz stringers, trace of disseminated pyrite.
860608	13	1	485908.9	5272486.1	0.72	0.72	Volcanic rock, fine grained, green colour, partly silicified, quartz-carbonate stringers, 2 cm quartz vein, py trace.
860609	13	2	485908.7	5272487.0	0.80	0.80	Sheared volcanic rock, silicified, quartz stringers, trace to 0.1% pyrite.
860610	13	3	485907.6	5272484.5	0.97	0.97	Same as above, coarse grained, 4 and 8 cm quartz vein, trace of pyrite.
860611	13	4	485911.4	5272487.3	0.72	0.72	Recrystallized volcanic tuff, medium grained, green colour, silicified, quartz carbonate stringers, 1-3 cm quartz vein
860612	13	5	485905.9	5272485.9	0.65	0.60	Same as above, quartz stringers, 2 cm quartz vein, trace of pyrite
860613	13	6			0.89	0.89	Same as above, 2 cm quartz vein, trace of pyrite.
860614	13	7	485904.4	5272485.3	0.90	0.88	Same as above, 1-2 cm quartz veins, trace of pyrite
860615	13	7	485903.9	5272485.8	0.49	0.48	Recrystallized volcanic tuff, medium grained, green colour, silicified, carbonatized, stringers, 5 cm quartz vein
860616	13	7	485903.6	5272486.1	0.49	0.49	Same rock, quartz stringers, 1-2cm irregular quartz veins, 10 cm quartz veins, chlorite and possible tourmaline veinlets
860617	13	6			0.79	0.79	Same rock, quartz stringers, trace pyrite
860618	13	8	485905.9	5272486.7	0.78	0.78	Recrystallized volcanic tuff, silicified, chloritized and carbonatized, quartz-carbonate stringers, trace of pyrite.
860619	13	8	485905.6	5272487.2	0.30	0.30	Quartz vein, altered volcanic 20-30%, altered carbonate, irregular chlorite and possible tourmaline veinlets, trace py.
860621	13	8	485905.4	5272487.5	0.52	0.52	Altered and rycrystallized volcanic tuff, silicified and carbonatized, quartz stringers, trace of pyrite.
860622	13	9	485906.9	5272487.0	0.46	0.46	Quartz vein, 10-20% volcanic rock, chlorite veinlets in vein, brecciate intervals, trace of pyrite
860623	13	9	485907.0	5272487.8	1.12	1.12	Volcanic tuff, fine to medium grained, green colour, partly silicified, occasional quartz stingers, trace of pyrite
860624	13	9	485907.1	5272488.7	0.90	0.90	Same as above
860625	13	10	485910.7	5272488.4	0.67	0.67	Same as above, 5 cm quartz vein.
860626	13	11	485910.4	5272489.2	0.92	0.92	Same as above
860627	13	12	485910.0	5272490.0	0.99	0.99	Same as above
860628	13	12	485909.4	5272490.9	1.27	1.27	Same as above, occasional quartz stringers, trace of pyrite.
860629	13	13	485903.1	5272486.5	0.95	0.95	Altered volcanic rock, silicified and partly carbonatized, quartz stringers, trace of pyrite.
860630	13	13	485903.5	5272487.3	0.98	0.90	Volcanics, silicified, carbonatized, chloritized; 1-2cm quartz veining, 20 cm quartz vein, chlorite-carbonate in vein, etc
860631	13	13	485903.7	5272488.1	0.79	0.79	Fine grained and patches of pyrite 0.1-0.5%. ----silicified volcanic, stringers, trace py crystals
860632	13	13	485903.6	5272488.9	0.84	0.84	Silicified volcanic, occasional quartz stringers, trace of pyrite crystals.
860633	13	13	485903.4	5272489.7	0.96	0.96	Same as above
860634	13	14	485902.1	5272488.7	0.79	0.79	Silicified, chloritized and carbonatized volcanic, 15 and 10 cm quartz veins, disseminated fine grained py, 0.1-0.2%
860635	13	15	485901.3	5272490.1	1.11	1.11	Altered volcanic, strong solidification, carbonatized and chloritized, 2-5cm quartz veins, 1-3% disseminated and
860636	13	16	485901.5	5272490.9	0.59	0.59	Patches of pyrite. --same as above, 25 cm quartz vein, fine grained and patches of py
860637	13	16	485902.1	5272491.0	0.69	0.69	Same as above, 15-20 cm quartz vein, 0.1-0.5% pyrite.
860638	13	17	485901.2	5272491.4	0.77	0.77	Same as above, fine grained py and 1-3mm pyrite crystals fills 0.5-1mm of the volume
860639	13	20	485895.7	5272492.3	0.53	0.53	Fine grained volcanic tuff, green colour, quartz stringers from mm to 1cm, disseminated trace of pyrite.
860641	13	20	485895.6	5272492.9	0.84	0.84	Same as above, occasional quartz stringers.
860642	13	20	485895.5	5272493.7	0.69	0.69	Strong altered volcanic, strong solidification and carbonatization, chloritized, quartz veining, 0.5-1% f.g. and patches
860643	13	20	485895.4	5272494.4	0.77	0.77	Volcanics, green colour, fine to medium grained, partly carbonatized, stringers, trace to 0.1% fine grained pyrite
860644	13	18	485901.2	5272492.6	0.91	0.91	Altered volcanic rock, silicified and partly carbonatized, 1-3 cm quartz veins, 0.5-1% pyrite
860645	13	19	485900.0	5272491.4	1.03	1.03	Altered volcanic rock, partly carbonatized, quartz-carbonate stringers, 1-3 cm quartz veins, trace py.
860646	13	21	485899.4	5272493.1	0.91	0.91	Altered volcanic rock, occasional quartz veins and stringers, trace of pyrite.
860647	13	21	485899.3	5272493.8	0.53	0.53	Altered volcanic rock, partly carbonatized, 1-3 cm quartz veins, trace to 0.5% pyrite
860648	13	22	485898.4	5272493.5	1.03	0.98	Altered and sheared volcanic, carbonatized and silicified, 1-3cm quartz veins, quartz stringers, 0.5% py.
860649	13	23	485897.3	5272495.0	0.73	0.67	Altered and sheared volcanic, 1-5cm quartz vein, carbonatized, trace to 0.1% pyrite
860650	13	24	485896.7	5272495.2	0.56	0.54	Same as above, 2-5cm quartz veins
860651	13	25	485896.8	5272495.9	0.74	0.74	Altered volcanic, quartz stringers, 0.5-1% pyrite
860652	13	26	485899.2	5272496.7	1.28	1.28	Sheared volcanic rock, 2cm quartz vein, quartz stringers by shearing, trace py.
860653	13	27			0.92	0.92	Same as above, occasional quartz stringers, trace of pyrite
860654	13	27			0.43	0.43	Sheared volcanic rock, quartz stringers, trace of pyrite.
860655	13	28			0.77	0.76	Volcanic rock, quartz carbonate stringers, trace of pyrite
860656	13	29	485897.2	5272497.2	0.77	0.76	Altered and sheared volcanic, 10 cm quartz vein, 1-3 cm quartz veining, trace of pyrite.
860657	13	30			0.46	0.40	Sheared volcanic rock, 0.5-2cm quartz veins and stringers by shearing, trace of pyrite.
860658	13	31	485897.7	5272498.2	1.12	1.12	Volcanic rock, occasional quartz stringers, trace of pyrite
860659	13	32	485894.9	5272495.9	0.63	0.63	Sheared volcanic rock, strong deformation, quartz stringers, trace of pyrite
860661	13	33	485895.6	5272496.6	1.15	0.96	Sheared volcanic, 15 cm quartz vein, quartz carbonate stringers, trace of pyrite.
860662	13	34	485894.2	5272496.5	0.43	0.43	Volcanic rock, partly carbonatized, quartz stringers, trace of pyrite.
860663	13	34	485894.5	5272496.8	0.38	0.38	Sheared volcanic rock, quartz stringers, trace of pyrite.
860664	13	34	485894.8	5272497.2	1.00	0.81	Sheared volcanic rock, green colour, 1-10 cm quartz veins, trace of fine grained py., pyrite crystals.
860665	13	35	485894.0	5272491.4	0.75	0.75	Volcanic rock, quartz stringers, 13cm quartz veins, trace of py.
860666	13	36	485893.5	5272490.9	0.61	0.61	Volcanic rock, quartz stringers, trace of py.
860667	13	37	485892.8	5272491.4	0.45	0.45	Green volcanic rock, quartz stringers, trace of pyrite
860668	13	38	485893.0	5272496.2	0.69	0.68	Same as above, 1-4 cm quartz veins, trace of pyrite.
860669	13	39	485891.5	5272497.5	0.66	0.66	Volcanic rock, 0.5-1cm quartz stringers by shearing and cross it, trace of py crystals.
860670	13	39	485891.8	5272498.1	0.73	0.67	Same as above
860671	13	39	485892.3	5272498.7	0.84	0.83	Altered and sheared volcanic, 5cm quartz vein, trace of pyrite.
860672	13	40	485890.4	5272497.3	0.71	0.71	Green volcanic rock, 1-3cm quartz veins, trace of pyrite.
860673	13	40	485890.3	5272498.0	0.81	0.81	Same as above

Channel Samples 2020

Sample	Trench	Channel	Easting	Northing	Length (m)	True Length (m)	Description
860674	13	40	485890.1	5272498.8	0.84	0.84	Volcanic rock, probably crystal tuff, quartz stringers, trace of pyrite.
860675	13	40	485889.9	5272499.6	0.74	0.74	Volcanic rock, 1-3cm quartz veins and stringers, trace of pyrite.
860676	13	40	485889.6	5272500.2	0.77	0.76	Sheared volcanic rock, quartz stringers, 5-10cm quartz vein, trace of pyrite.
860677	13	41	485887.8	5272499.2	0.45	0.45	Green volcanic rock, 5 cm quartz vein, quartz stringers, trace of pyrite
860678	13	42	485887.7	5272499.9	0.59	0.59	Same as above, 1-3cm quartz vein, trace of pyrite.
860679	13	43	485886.8	5272500.5	0.40	0.33	Volcanic rock, green colour, occasional quartz stringers, trace of disseminated pyrite.
860681	13	43	485886.8	5272501.2	1.11	1.11	Volcanic rock, green colour, 1-3cm quartz veins and stringers, trace of pyrite
860682	13	43	485887.0	5272502.1	0.71	0.71	Same as above
860683	13	44	485884.1	5272499.9	1.11	1.11	Same as above, 1-3 cm quartz veins and stringers, trace of pyrite
860684	13	39	485891.2	5272499.6	0.81	0.81	Volcanic rock, 8cm quartz vein, 1-3 cm quartz veins and stringers, trace of pyrite
860685	14	1	485928.5	5272504.7	0.89	0.89	Crystal tuff, green colour, occasional 1-2cm quartz veins, trace of pyrite
860686	14	2	485928.0	5272505.4	0.79	0.79	Same as above, 10 cm quartz vein, trace of pyrite.
860687	14	3	485926.2	5272503.9	1.00	1.00	Same as above, partly carbonatized, occasional quartz stringers, trace of pyrite
860688	14	3	485925.9	5272504.6	0.77	0.77	Same as above
860689	14	3	485925.7	5272505.2	0.72	0.72	Green volcanic rock, partly carbonatized, occasional quartz stringers, trace of pyrite
860690	14	4	485925.9	5272505.9	0.84	0.84	Same as above
860691	14	5	485925.7	5272506.6	1.20	1.20	Volcanic, same as above
860692	14	6	485925.0	5272503.9	0.86	0.86	Volcanic rock, green colour, 1-3cm quartz veins and stringers, trace of pyrite
860693	14	5	485925.7	5272507.5	0.90	0.82	Crystal tuff, green colour, medium to coarse grained, trace of pyrite
860694	14	5	485925.8	5272508.2	0.89	0.89	Same as above
860695	14	7	485924.4	5272506.5	0.68	0.68	Volcanic rock, quartz stringers, trace of py.
860696	14	7	485924.2	5272507.1	0.82	0.82	Same as above
860697	14	7	485923.7	5272507.7	0.75	0.75	Volcanic rock, green colour, occasional quartz stringers, trace of disseminated pyrite.
860698	14	8	485924.3	5272510.6	0.71	0.71	Same as above
860699	14	8	485924.1	5272511.4	0.97	0.96	Same as above
860700	14	8	485923.9	5272512.2	1.03	1.02	Same as above
860701	14	8	485923.7	5272512.8	0.44	0.42	Sheared volcanic rock, 3cm quartz carbonate vein, trace of pyrite
860702	14	9	485922.1	5272511.6	0.44	0.44	Sheared volcanic rock, quartz stringers, trace to 0.1% pyrite.
860703	14	9	485921.9	5272512.1	0.83	0.79	Volcanic rock, quartz stringers, 2cm quartz vein, trace of pyrite
860704	14	10	485921.3	5272511.6	0.53	0.52	Sheared volcanic rock, 1-4cm quartz veins, carbonatized, trace of pyrite
860705	14	11	485924.7	5272512.8	0.77	0.75	Sheared volcanic rock, quartz stringers, 1-2 cm quartz vein, trace of pyrite.
860706	14	12	485920.5	5272510.9	0.46	0.46	Sheared volcanic rock, quartz carbonate stringers, 12 cm altered quartz carbonate vein, trace of pyrite
860707	14	12	485920.3	5272511.4	0.78	0.77	Sheared volcanic, 1-2cm quartz veins, quartz stringers, trace of pyrite
860708	14	13	485920.0	5272510.6	0.51	0.51	Altered and sheared volcanic, quartz stringers, 5 cm quartz carbonate vein, trace of pyrite.
860709	14	14	485919.1	5272509.9	0.71	0.71	Volcanic rock, quartz stringers, 3 cm quartz vein, trace of pyrite
860710	14	15	485918.7	5272510.3	0.94	0.94	Volcanic rock, quartz stringers, trace of py.
860711	14	16	485920.1	5272513.5	0.72	0.72	Same as above, 1-2 cm quartz vein, trace of pyrite
860712	14	17	485922.5	5272513.0	0.68	0.67	Volcanic rock, green colour, medium grained, trace of pyrite
860713	14	18	485926.4	5272512.4	0.68	0.66	Same as above, occasional quartz stringers, trace of pyrite
860714	14	19	485926.0	5272512.9	0.80	0.70	Sheared volcanic rock, quartz stringers, 2-3 cm quartz vein, trace of pyrite
860715	14	19	485925.8	5272513.6	0.85	0.85	Volcanic rock, green colour, medium grained, trace of pyrite
860716	14	19	485925.5	5272514.3	0.74	0.73	Same as above
860717	14	20	485927.5	5272512.8	0.48	0.45	Sheared volcanic, green colour, fine to medium grained, occasional quartz stringers, trace of pyrite
860718	14	20	485927.4	5272513.2	0.57	0.48	Same as above
860719	14	21	485928.5	5272512.9	0.35	0.35	Same as above, strong shearing
860721	14	22	485929.5	5272511.4	0.70	0.60	Same as 860717
860722	14	22	485929.3	5272511.9	0.80	0.78	Volcanic tuff, green colour, medium grained, occasional quartz stringers, trace of pyrite
860723	14	22	485929.2	5272512.4	0.52	0.39	Sheared volcanic, green colour, fine to medium grained, quartz stringers, trace of pyrite
860724	14	23	485931.0	5272513.5	0.89	0.86	Volcanic rock, green colour, occasional quartz stringers, trace of disseminated pyrite.
860725	14	24	485930.4	5272513.3	0.75	0.72	Same as above
860726	14	25	485930.1	5272507.4	0.86	0.85	Volcanic rock, fresh, quartz carbonate stringers, trace of pyrite
860727	14	25	485929.8	5272508.1	0.88	0.85	Volcanic rock, 1-2cm quartz veins, quartz-carbonate stringers, trace of pyrite
860728	14	25	485929.5	5272508.9	0.96	0.95	Volcanic rock, green colour, quartz carbonate stringers by foliation, 1cm vein, trace of pyrite
860729	14	25	485929.2	5272509.6	0.83	0.80	Volcanic rock, quartz stringers, 1-3cm quartz vein, trace of pyrite
860730	14	26	485932.3	5272511.4	0.76	0.76	Volcanic rock, occasional quartz stringers, trace of pyrite
860731	14	27	485931.9	5272514.9	0.72	0.72	Same as above
860732	14	28	485933.9	5272512.8	0.69	0.65	Same as above
860733	14	28	485933.5	5272513.3	0.80	0.80	Same as above
860734	14	28	485933.2	5272514.0	0.77	0.63	Sheared volcanic rock, quartz stringers, 0.5-2cm quartz veins, trace of pyrite
860735	14	29	485935.8	5272510.5	0.83	0.80	Volcanic rock, green colour, fine grained, quartz stringers, trace of pyrite
860736	14	29	485935.6	5272511.1	0.82	0.72	Same as above
860737	14	30	485935.0	5272512.3	0.54	0.51	Same as above
860738	14	31	485934.9	5272514.2	0.65	0.64	Sheared volcanic, occasional quartz stringers, trace of pyrite
860739	15	1	485833.3	5272532.6	0.82	0.82	Sheared volcanic rock, green colour, fine to medium grained, quartz carbonate stringers, trace to 0.1% py.
860741	15	1	485832.8	5272532.0	0.67	0.67	Sheared volcanic rock, 3-5cm quartz veins and stringers, trace of pyrite
860742	15	2	485833.8	5272532.0	0.76	0.76	Sheared volcanic rock, 10cm quartz vein, quartz stringers, trace to 0.1% py.
860743	15	2	485833.7	5272531.3	0.76	0.75	Volcanic tuff, green colour, sheared and recrystallized, partly silicified, quartz stringers, trace of pyrite
860744	15	3	485832.4	5272533.3	0.58	0.57	Same as above, 2-5cm quartz veins, stringers, trace of pyrite
860745	15	3	485831.9	5272532.9	0.75	0.73	Quartz vein, 10-15% volcanic, partly carbonatized, trace of pyrite
860746	15	3	485831.3	5272532.3	0.86	0.86	Volcanic rock, quartz stringers, 1-3cm quartz vein, trace of pyrite
860747	15	4	485830.3	5272533.5	1.00	0.78	Volcanic rock, partly silicified and carbonatized, occasional quartz stringers, trace of pyrite
860748	15	4	485830.1	5272532.6	1.00	0.97	Same as above
860749	15	4	485830.2	5272531.7	1.00	0.88	Same as above
860750	15	5	485829.4	5272534.5	0.75	0.71	Same as above, quartz stringers, 1-3cm quartz veins, trace of pyrite
860751	15	5	485829.0	5272534.1	0.61	0.58	Quartz vein, 10-15% volcanic, trace of pyrite
860752	15	6	485828.3	5272534.6	0.69	0.67	Sheared volcanic, 15cm quartz vein, quartz stringers, trace of pyrite
860753	15	6	485827.8	5272534.2	0.63	0.60	Altered volcanic, silicified to 10-20% of the volume, quartz veins and stringers, trace of pyrite
860754	15	7	485828.3	5272535.4	0.80	0.79	Volcanic rock, quartz stringers, 2cm quartz vein, trace of pyrite
860755	15	7	485827.7	5272535.1	0.60	0.55	Altered volcanic rock, 10-15 cm quartz vein, quartz stringers, trace of pyrite
860756	15	7	485827.2	5272534.8	0.60	0.59	Volcanic rock, occasional quartz stringers, trace of pyrite
860757	15	8	485828.2	5272538.1	0.45	0.45	Volcanic rock, sheared and partly silicified, 0.5-1cm quartz carbonate by foliation, trace pyrite
860758	15	9	485827.4	5272537.6	1.09	1.04	Same as above
860759	15	10	485826.0	5272537.5	0.46	0.45	Same as above
860761	15	10	485826.2	5272537.2	0.40	0.40	Silicified volcanic rock, quartz and carbonate by foliation, 8cm, 2cm quartz veins, trace of pyrite
860762	15	10	485826.6	5272536.7	0.75	0.74	Volcanic rock, occasional quartz-carbonate veins and stringers, trace of pyrite
860763	15	11	485831.8	5272530.7	0.59	0.51	Volcanic tuff, partly silicified, sheared, quartz-carbonate by shearing, trace of pyrite
860764	15	12	485831.1	5272530.4	0.50	0.44	Same as above
860765	15	12	485830.6	5272530.8	0.66	0.65	Same as above
860766	15	13	485830.8	5272530.2	0.49	0.42	Same as above
860767	15	14	485827.4	5272533.5	0.67	0.56	Volcanic rock, occasional quartz stringers, trace of pyrite

Channel Samples 2020

Sample	Trench	Channel	Easting	Northing	Length (m)	True Length (m)	Description
860768	15	14	485827.3	5272532.9	0.67	0.66	Same as above
860769	15	14	485827.1	5272532.2	0.68	0.68	Same as above
860770	15	15	485827.6	5272532.1	0.44	0.42	Same as above, 3cm quartz vein, trace of fine grained and disseminated pyrite
860771	15	16	485825.4	5272534.4	0.41	0.40	Sheared volcanic rock, quartz carbonate stringers, 25 cm quartz vein, trace of pyrite
860772	15	16	485825.3	5272533.8	0.82	0.80	Volcanic rock, recrystallized tuff, 0.5-1cm quartz veinlets and stringers by and cross foliation
860773	15	16	485825.3	5272532.8	1.12	1.11	Same as above
860774	15	17			0.45	0.45	Same as above, 2-4cm quartz veins, trace of pyrite
860775	15	18	485824.7	5272536.9	0.68	0.64	Volcanic rock, 10-15cm quartz vein, quartz stringers, trace of pyrite
860776	15	19	485823.8	5272536.6	0.53	0.52	Volcanic rock, andesite tuff, quartz carbonate veinlets by shearing, trace of pyrite
860777	15	19	485824.0	5272535.9	0.98	0.96	Same as above, partly silicified, trace of fine grained pyrite
860778	15	19	485824.3	5272535.2	0.56	0.47	Sheared volcanic rock, silicified, 3-5cm quartz vein, quartz stringers
860779	15	19	485824.5	5272534.7	0.70	0.68	Quartz vein, 10% chloritized volcanic, trace of pyrite
860781	15	19	485824.7	5272534.1	0.56	0.55	Volcanic rock, partly silicified, quart-carbonate veinlets by foliation
860782	15	20	485823.4	5272534.9	1.11	1.09	Volcanic rock, 4cm quartz vein, quartz stringers, trace of pyrite
860783	15	21	485822.7	5272534.6	0.68	0.66	Volcanic tuff, partly silicified, 0.5-2cm quartz veins by foliation, trace of pyrite
860784	15	21	485822.8	5272534.1	0.36	0.36	Silicified volcanic rock, 10cm quartz vein by foliation, quartz stringers, trace of pyrite
860785	15	21	485822.9	5272533.6	0.63	0.63	Andesite tuff, green colour, fine to medium grained, occasional 0.5-1cm quartz veins by foliation, stringers, py trace
860786	15	22	485820.6	5272534.0	0.56	0.56	Same as above, 6cm quartz vein
860787	15	23	485817.5	5272535.1	0.99	0.98	Volcanic rock, quartz stringers by foliation and cross it, trace of pyrite
860788	15	23	485817.8	5272534.3	0.78	0.77	Same as above, 1-3 cm quartz veins, trace of pyrite
860789	15	24	485818.5	5272533.6	0.86	0.85	Same as above, 1-4 cm quartz veins and stringers, trace of pyrite.
860790	15	25	485819.1	5272533.0	0.59	0.58	Volcanic tuff, medium grained, green colour, 15cm quartz vein, 4 cm quartz vein, stringers, trace of py.
860791	15	25	485819.4	5272532.4	0.73	0.72	Volcanic rock, 2cm quartz vein, occasional quartz stringers, trace of py.
860792	15	26	485813.6	5272534.6	0.96	0.96	Same as above, trace of pyrite
860793	15	27	485812.0	5272534.4	0.57	0.57	Same as above
860794	13	38			0.65	0.64	Altered volcanic rock, 1-2 cm quartz veins, quartz stringers, trace of pyrite.

Channel Samples 2021

Sample	Easting	Northing	True Length (m)	Azimuth	Description
9001	485963	5272660	0.7	0	Foliated volc. +QV ~15cm+2 Qtz stringers+ tr, coarse py.
9002	485956	5272660	0.5	0	Foliated volc. +QV ~20cm+2 Qtz stringers+ tr, coarse py.
9003	485923	5272636	0.8	180	Foliated volc. + with 13 Qtz stringers+ tr, coarse py.
9004	485820	5272619	0.4	180	Foliated volc. + tr, coarse py.

Appendix II
Machine Operating Timesheet

Date	Time	Operator	Equipment	Work Performed
9/21/2020	4 hrs	CXS	Excavator	Digging Trenches
9/22/2020	5 hrs	CXS	Excavator	Digging Trenches
9/25/2020	8 hrs	CXS	Excavator	Digging Trenches
9/28/2020	5 hrs 1 day	CXS	Excavator Pump/Saw	Digging Trenches Washing/Channeling
9/29/2020	1 day	CXS	Pump/Saw	Washing/Channeling
9/30/2020	6 hrs 1 day	CXS	Excavator Pump/Saw	Digging Trenches Washing/Channeling
10/1/2020	6 hrs 1 day	CXS	Excavator Pump/Saw	Digging Trenches Washing/Channeling
10/2/2020	5 hrs 1 day	CXS	Excavator Pump/Saw	Digging Trenches Washing/Channeling
10/5/2020	5 hrs 1 day	CXS	Excavator Pump/Saw	Digging Trenches Washing/Channeling
10/6/2020	5 hrs 1 day	CXS	Excavator Pump/Saw	Digging Trenches Washing/Channeling
10/7/2020	1 day	CXS	Pump/Saw	Washing/Channeling
10/8/2020	1 day	CXS	Pump/Saw	Washing/Channeling
10/9/2020	1 day	CXS	Pump/Saw	Washing/Channeling
10/13/2020	5 hrs 1 day	CXS	Excavator Pump/Saw	Digging Trenches Washing/Channeling
10/14/2020	5 hrs 1 day	CXS	Excavator Pump/Saw	Digging Trenches Washing/Channeling
10/15/2020	5 hrs 1 day	CXS	Excavator Pump/Saw	Digging Trenches Washing/Channeling
10/16/2020	1 day	CXS	Pump/Saw	Washing/Channeling
10/19/2020	1 day	CXS	Pump/Saw	Washing/Channeling
10/20/2020	1 day	CXS	Pump/Saw	Washing/Channeling
10/21/2020	1 day	CXS	Pump/Saw	Washing/Channeling
10/22/2020	1 day	CXS	Pump/Saw	Washing/Channeling
10/23/2020	1 day	CXS	Pump/Saw	Washing/Channeling
10/26/2020	1 day	CXS	Pump/Saw	Washing/Channeling
10/27/2020	1 day	CXS	Pump/Saw	Washing/Channeling
10/28/2020	1 day	CXS	Pump/Saw	Washing/Channeling
10/29/2020	1 day	CXS	Pump/Saw	Washing/Channeling
10/30/2020	1 day	CXS	Pump/Saw	Washing/Channeling
11/2/2020	1 day	CXS	Pump/Saw	Washing/Channeling
11/3/2020	1 day	CXS	Pump/Saw	Washing/Channeling
11/4/2020	1 day	CXS	Pump/Saw	Washing/Channeling
11/5/2020	1 day	CXS	Pump/Saw	Washing/Channeling
11/6/2020	1 day	CXS	Pump/Saw	Washing/Channeling
10/11/2021	1 day	B. Peever	Gas Saw	Channeling
10/22/2021	1 day	B. Peever	Gas Saw	Channeling

Appendix III
Certificates of Analysis



CLIENT NAME: PLATINEX INC.
807 - 20 WILLIAM ROE BLVD
NEWMARKET, ON L3Y 5V6
416-565-4422

ATTENTION TO: MEHMET SPAHO

PROJECT: Caswell

AGAT WORK ORDER: 20T657419

SOLID ANALYSIS REVIEWED BY: Jing Xiao, Data Reviewer

DATE REPORTED: Oct 09, 2020

PAGES (INCLUDING COVER): 8

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 20T657419

PROJECT: Caswell

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

CLIENT NAME: PLATINEX INC.

ATTENTION TO: MEHMET SPAHO

(200-) Sample Login Weight

DATE SAMPLED: Sep 29, 2020 DATE RECEIVED: Sep 30, 2020 DATE REPORTED: Oct 09, 2020 SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight
	Unit:	kg
	RDL:	0.01
9165 (1499114)		1.309
9167 (1499115)		0.824
9168 (1499116)		1.171
9169 (1499117)		1.622
9170 (1499118)		1.747
9171 (1499119)		1.695
9172 (1499120)		1.015
9173 (1499121)		1.391
9174 (1499122)		1.651
9175 (1499123)		1.668
9176 (1499124)		2.214

Comments: RDL - Reported Detection Limit
 Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By: _____



Certificate of Analysis

AGAT WORK ORDER: 20T657419

PROJECT: Caswell

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

CLIENT NAME: PLATINEX INC.

ATTENTION TO: MEHMET SPAHO

(202-062) Fire Assay - Au Ore Grade, ICP-OES finish (ppm)

DATE SAMPLED: Sep 29, 2020	DATE RECEIVED: Sep 30, 2020	DATE REPORTED: Oct 09, 2020	SAMPLE TYPE: Rock
Analyte: Au	Unit: ppm	RDL: 0.01	
Sample ID (AGAT ID)			
9165 (1499114)		0.16	
9167 (1499115)		0.67	
9168 (1499116)		5.43	
9169 (1499117)		<0.01	
9170 (1499118)		<0.01	
9171 (1499119)		0.04	
9172 (1499120)		4.43	
9173 (1499121)		0.02	
9174 (1499122)		<0.01	
9175 (1499123)		0.38	
9176 (1499124)		2.31	

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20T657419

PROJECT: Caswell

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

CLIENT NAME: PLATINEX INC.

ATTENTION TO: MEHMET SPAHO

Sieving - % Passing (Crushing)

DATE SAMPLED: Sep 29, 2020

DATE RECEIVED: Sep 30, 2020

DATE REPORTED: Oct 09, 2020

SAMPLE TYPE: Rock

	Analyte:	Pass %
	Unit:	%
Sample ID (AGAT ID)	RDL:	0.01
9165 (1499114)		79.68

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 20T657419

PROJECT: Caswell

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

CLIENT NAME: PLATINEX INC.

ATTENTION TO: MEHMET SPAHO

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Sep 29, 2020	DATE RECEIVED: Sep 30, 2020	DATE REPORTED: Oct 09, 2020	SAMPLE TYPE: Rock
Analyte: Pass %	Unit: %	RDL: 0.01	
Sample ID (AGAT ID)			
9165 (1499114)		87.24	

Comments: RDL - Reported Detection Limit
 Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)

Certified By:



CLIENT NAME: PLATINEX INC.

ATTENTION TO: MEHMET SPAHO

(202-062) Fire Assay - Au Ore Grade, ICP-OES finish (ppm)

Parameter	REPLICATE #1				REPLICATE #2											
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	1499114	0.16	0.22		1499124	2.31	2.15	7.2%								



AGAT Laboratories

Quality Assurance - Certified Reference materials
 AGAT WORK ORDER: 20T657419
 PROJECT: Caswell

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

CLIENT NAME: PLATINEX INC.

ATTENTION TO: MEHMET SPAHO

(202-062) Fire Assay - Au Ore Grade, ICP-OES finish (ppm)

Parameter	CRM #1 (ref.GS4L)				Limits									
	Expect	Actual	Recovery											
Au	4.01	3.93	98%	90% - 110%										



Method Summary

CLIENT NAME: PLATINEX INC.

AGAT WORK ORDER: 20T657419

PROJECT: Caswell

ATTENTION TO: MEHMET SPAHO

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Au	MIN-12006, MIN-12004	Bugbee E: Textbook of Fire Assaying.	ICP/OES
Pass %			BALANCE



Report No.: A20-12932
 Report Date: 12-Nov-20
 Date Submitted: 19-Oct-20
 Your Reference:

Platinex Inc.
 807 William Roe Blvd
 Newmarket, ON L3Y 5V6
 Canada

ATTN: James Trusler

CERTIFICATE OF ANALYSIS

161 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2B-30-Geraldton	QOP AA-Au (Au - Fire Assay AA)	2020-11-10 06:25:18

REPORT **A20-12932**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Esemé , Ph.D.
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
 801 Main Street, P.O. Box 999, Geraldton, Ontario, Canada, P0T 1M0
 TELEPHONE +807 854-2020 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
9177	< 5
9178	38
9179	< 5
9180	8
9181	244
9182	5180
9183	3690
9184	94
9185	6
9186	< 5
L905401	492
L905402	11
L905403	614
L905404	425
L905405	10
L905406	891
L905407	1320
L905408	6
L905409	17
L905410	6
L905411	8
L905412	83
L905413	25
L905414	10
L905415	< 5
L905416	< 5
L905417	3620
L905418	32
L905419	555
L905420	445
L905421	147
L905422	1560
L905423	166
L905424	646
L905425	6
L905426	8
L905427	69
L905428	< 5
L905429	< 5
L905430	8
L905431	13
L905432	135
L905433	11
L905434	< 5
L905435	< 5
L905436	18
L905437	< 5
L905438	< 5
L905439	< 5
L905440	15
L905441	6

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
L905442	< 5
L905443	< 5
L905444	< 5
L905445	< 5
L905446	< 5
L905447	< 5
L905448	19
L905449	< 5
L905450	< 5
L905451	< 5
L905452	< 5
L905453	< 5
L905454	< 5
L905455	< 5
L905456	< 5
L905457	< 5
L905458	< 5
L905459	< 5
L905460	< 5
L905461	3840
L905462	30
L905463	5
L905464	12
L905465	< 5
L905466	94
L905467	< 5
L905468	34
L905469	10
L905470	286
L905471	475
L905472	57
L905473	64
L905474	< 5
L905475	5
L905476	6
L905477	18
L905478	392
L905479	17
L905480	< 5
L905481	< 5
L905482	< 5
L905483	< 5
L905484	7
L905485	52
L905486	9
L905487	14
L905488	9
L905489	44
L905490	13
L905491	< 5
L905492	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
L905493	< 5
L905494	< 5
L905495	76
L905496	8
L905497	< 5
L905498	< 5
L905499	< 5
L905500	35
L902701	1630
L902702	5
L902703	9
L902704	< 5
L902705	9
L902706	5
L902707	14
L902708	37
L902709	< 5
L902710	< 5
L902711	5
L902712	24
L902713	6
L902714	5
L902715	< 5
L902716	10
L902717	68
L902718	13
L902719	16
L902720	46
L902721	9
L902722	5
L902723	< 5
L902724	5
L902725	15
L902726	256
L902727	10
L902728	14
L902729	7
L902730	6
L902731	6
L902732	9
L902733	32
L902734	26
L902735	7
L902736	10
L902737	115
L902738	10
L902739	7
L902740	< 5
L902741	3310
L902742	6
L902743	20

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
L902744	8
L902745	251
L902746	4630
L902747	184
L902748	4600
L902749	297
L902750	10
L902751	154

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 217 (Fire Assay) Meas	349
OREAS 217 (Fire Assay) Cert	338
OREAS 217 (Fire Assay) Meas	341
OREAS 217 (Fire Assay) Cert	338
OREAS 217 (Fire Assay) Meas	350
OREAS 217 (Fire Assay) Cert	338
OREAS 217 (Fire Assay) Meas	340
OREAS 217 (Fire Assay) Cert	338
OREAS 217 (Fire Assay) Meas	336
OREAS 217 (Fire Assay) Cert	338
OREAS 217 (Fire Assay) Meas	343
OREAS 217 (Fire Assay) Cert	338
OREAS 238 (Fire Assay) Meas	2910
OREAS 238 (Fire Assay) Cert	3030
OREAS 238 (Fire Assay) Meas	3120
OREAS 238 (Fire Assay) Cert	3030
9186 Orig	< 5
9186 Dup	< 5
L905410 Orig	5
L905410 Dup	7
L905420 Orig	469
L905420 Dup	420
L905435 Orig	< 5
L905435 Dup	< 5
L905440 Orig	15
L905440 Split PREP DUP	14
L905444 Orig	< 5
L905444 Dup	< 5
L905454 Orig	< 5
L905454 Dup	< 5
L905469 Orig	6
L905469 Dup	13
L905479 Orig	16
L905479 Dup	17
L905490 Orig	13
L905490 Split PREP DUP	17
L902703 Orig	9
L902703 Dup	8

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
L902713 Orig	6
L902713 Dup	5
L902717 Orig	69
L902717 Dup	66
L902738 Orig	12
L902738 Dup	7
L902748 Orig	4640
L902748 Dup	4560
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



Report No.: **A20-13348**
 Report Date: **13-Nov-20**
 Date Submitted: **26-Oct-20**
 Your Reference:

Platinex Inc.
 807 William Roe Blvd,
 Newmarket ON L3Y 5V6 Canada

ATTN: David Jamieson

CERTIFICATE OF ANALYSIS

94 Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2B-30-Geraldton	QOP AA-Au (Au - Fire Assay AA)	2020-11-12 10:34:02
1A3-50-Geraldton	QOP AA-Au (Au - Fire Assay Gravimetric)	2020-11-12 21:23:56

REPORT **A20-13348**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Esemé, Ph.D.
 Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
 801 Main Street, P.O. Box 999, Geraldton, Ontario, Canada, P0T 1M0
 TELEPHONE +807 854-2020 or +1.888.228.5227 FAX +1.905.648.9613
 E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA- GRA
L902752	2660	
L902753	3950	
L902754	288	
L902755	94	
L902756	5510	5.99
L902757	14	
L902758	469	
L902759	8	
L902760	13	
L902761	6	
L902762	6	
L902763	19	
L902764	9	
L902765	12	
L902766	8	
L902767	8	
L902768	2100	
L902769	86	
L902770	360	
L902771	314	
L902772	9	
L902773	6	
L902774	1500	
L902775	31	
L902776	9	
L902777	275	
L902778	105	
L902779	10	
L902780	16	
L902781	435	
L902782	976	
L902783	10	
L902784	1450	
L902785	17	
L902786	16	
L902787	26	
L902788	700	
L902789	278	
L902790	175	
L902791	19	
L902792	7	
L902793	6	
L902794	749	
L902795	42	
L902796	2810	
L902797	1710	
L902798	13	
L902799	20	
L902800	8	
L902801	588	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA- GRA
L902802	8	
L902803	10	
L902804	5	
L902805	19	
L902806	7	
L902807	< 5	
L902808	955	
L902809	6	
L902810	< 5	
L902811	5	
L902812	13	
L902813	89	
L902814	12	
L902815	3910	
L902816	166	
L902817	449	
L902818	9	
L902819	6	
L902820	3710	
L902821	8	
L902822	82	
L902823	2090	
L902824	2690	
L902825	9	
L902826	8	
L902827	< 5	
L902828	11	
L902829	187	
L902830	6	
L902831	7	
L902832	8	
L902833	37	
L902834	54	
L902835	9	
L902836	9	
L902837	5	
L902838	6	
L902839	30	
L902840	< 5	
L902841	16	
L902842	8	
L902843	< 5	
L902844	8	
L902845	4280	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA- GRA
OREAS 217 (Fire Assay) Meas	341	
OREAS 217 (Fire Assay) Cert	338	
OREAS 217 (Fire Assay) Meas	340	
OREAS 217 (Fire Assay) Cert	338	
OREAS 217 (Fire Assay) Meas	346	
OREAS 217 (Fire Assay) Cert	338	
OREAS 217 (Fire Assay) Meas	331	
OREAS 217 (Fire Assay) Cert	338	
OREAS 238 (Fire Assay) Meas	3030	2.95
OREAS 238 (Fire Assay) Cert	3030	3.03
OREAS 238 (Fire Assay) Meas	2930	
OREAS 238 (Fire Assay) Cert	3030	
OREAS 238 (Fire Assay) Meas	2920	
OREAS 238 (Fire Assay) Cert	3030	
OREAS 238 (Fire Assay) Meas	2980	
OREAS 238 (Fire Assay) Cert	3030	
OREAS 257b (Fire Assay) Meas		14.3
OREAS 257b (Fire Assay) Cert		14.2
L902761 Orig	6	
L902761 Dup	6	
L902771 Orig	289	
L902771 Dup	338	
L902781 Orig	437	
L902781 Dup	432	
L902796 Orig	2910	
L902796 Dup	2720	
L902801 Orig	588	
L902801 Split PREP DUP	672	
L902805 Orig	20	
L902805 Dup	18	
L902815 Orig	4030	
L902815 Dup	3790	
L902830 Orig	6	
L902830 Dup	5	
L902840 Orig	< 5	
L902840 Dup	< 5	

Analyte Symbol	Au	Au
Unit Symbol	ppb	g/tonne
Lower Limit	5	0.02
Method Code	FA-AA	FA- GRA
Method Blank	< 5	
Method Blank	< 5	
Method Blank	5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank	< 5	
Method Blank		< 0.02



Report No.: A20-13817
Report Date: 13-Nov-20
Date Submitted: 30-Oct-20
Your Reference:

Platinex Inc.
807 William Roe Blvd,
Newmarket ON L3Y 5V6 Canada

ATTN: David Jamieson

CERTIFICATE OF ANALYSIS

108 Crushed Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1A2B-30-Geraldton | QOP AA-Au (Au - Fire Assay AA) | 2020-11-12 16:35:49

REPORT A20-13817

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
801 Main Street, P.O. Box 999, Geraldton, Ontario, Canada, P0T 1M0
TELEPHONE +807 854-2020 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
L902846	18
L902847	9
L902848	7
L902849	94
L902850	1420
L903301	521
L903302	6
L903303	12
L903304	7
L903305	7
L903306	2570
L903307	79
L903308	14
L903309	9
L903310	12
L903311	30
L903312	5
L903313	205
L903314	22
L903315	76
L903316	46
L903317	41
L903318	< 5
L903319	< 5
L903320	1730
L903321	8
L903322	8
L903323	201
L903324	747
L903325	1020
L903326	808
L903327	7
L903328	18
L903329	6
L903330	9
L903331	115
L903332	5
L903333	< 5
L903334	< 5
L903335	5
L903336	12
L903337	< 5
L903338	14
L903339	7
L903340	140
L903341	< 5
L903342	< 5
L903343	< 5
L903344	38
L903345	1490
L903346	20

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
L903347	10
L903348	7
L903349	6
L903350	364
L860501	13
L860502	< 5
L860503	< 5
L860504	< 5
L860505	< 5
L860506	10
L860507	164
L860508	389
L860509	209
L860510	< 5
L860511	< 5
L860512	5
L860513	< 5
L860514	27
L860515	5
L860516	5
L860517	< 5
L860518	< 5
L860519	5
L860520	< 5
L860521	6
L860522	6
L860523	8
L860524	< 5
L860525	6
L860526	6
L860527	7
L860528	< 5
L860529	9
L860530	1720
L860531	18
L860532	13
L860533	8
L860534	10
L860535	6
L860536	11
L860537	53
L860538	9
L860539	13
L860540	8
L860541	270
L860542	115
L860543	174
L860544	411
L860545	258
L860546	8
L860547	190

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
L860548	262
L860549	29
L860550	6
L860551	2800
L860552	117
L860553	60

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 217 (Fire Assay) Meas	348
OREAS 217 (Fire Assay) Cert	338
OREAS 217 (Fire Assay) Meas	345
OREAS 217 (Fire Assay) Cert	338
OREAS 217 (Fire Assay) Meas	350
OREAS 217 (Fire Assay) Cert	338
OREAS 217 (Fire Assay) Meas	343
OREAS 217 (Fire Assay) Cert	338
OREAS 238 (Fire Assay) Meas	2950
OREAS 238 (Fire Assay) Cert	3030
OREAS 238 (Fire Assay) Meas	2950
OREAS 238 (Fire Assay) Cert	3030
OREAS 238 (Fire Assay) Meas	3110
OREAS 238 (Fire Assay) Cert	3030
OREAS 238 (Fire Assay) Meas	3050
OREAS 238 (Fire Assay) Cert	3030
L903305 Orig	6
L903305 Dup	7
L903315 Orig	80
L903315 Dup	71
L903325 Orig	1000
L903325 Dup	1040
L903340 Orig	146
L903340 Dup	133
L903345 Orig	1490
L903345 Split PREP DUP	1630
L903349 Orig	5
L903349 Dup	6
L860509 Orig	224
L860509 Dup	194
L860524 Orig	< 5
L860524 Dup	< 5
L860534 Orig	11
L860534 Dup	9
L860544 Orig	384
L860544 Dup	437
L860545 Orig	258
L860545 Split PREP DUP	246

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	5
Method Blank	< 5
Method Blank	< 5



Report No.: A20-14251
Report Date: 20-Nov-20
Date Submitted: 06-Nov-20
Your Reference:

Platinex Inc.
807 William Roe Blvd,
Newmarket ON L3Y 5V6 Canada

ATTN: David Jamieson

CERTIFICATE OF ANALYSIS

91 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1A2B-30-Tbay | GOP AA-Au (Au - Fire Assay AA) | 2020-11-19 11:06:38

REPORT A20-14251

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
1201 Walsh Street West, Thunder Bay, Ontario, Canada, P7E 4X6
TELEPHONE +807 622-6707 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Tbay@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
A860554	42
A860555	219
A860556	91
A860557	< 5
A860558	649
A860559	3220
A860560	3930
A860561	606
A860562	73
A860563	22
A860564	18
A860565	6
A860566	5
A860567	203
A860568	1140
A860569	20
A860570	3070
A860571	10
A860572	10
A860573	21
A860574	< 5
A860575	6
A860576	< 5
A860577	< 5
A860578	< 5
A860579	42
A860580	< 5
A860581	357
A860582	6
A860583	7
A860584	10
A860585	< 5
A860586	1030
A860587	361
A860588	41
A860589	< 5
A860590	14
A860591	12
A860592	18
A860593	< 5
A860594	< 5
A860595	190
A860596	20
A860597	< 5
A860598	73
A860599	12
A860600	1800
A860601	7
A860602	476
A860603	< 5
A860604	1540

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
A860605	183
A860606	504
A860607	8
A860608	< 5
A860609	10
A860610	7
A860611	268
A860612	< 5
A860613	112
A860614	5
A860615	29
A860616	248
A860617	9
A860618	64
A860619	910
A860620	< 5
A860621	140
A860622	5
A860623	66
A860624	< 5
A860625	186
A860626	< 5
A860627	< 5
A860628	< 5
A860629	< 5
A860630	146
A860631	77
A860632	< 5
A860633	< 5
A860634	215
A860635	4130
A860636	389
A860637	42
A860638	1040
A860639	22
A860640	3990
A860641	< 5
A860642	< 5
A860643	< 5
A860644	406

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
OREAS 238 (Fire Assay) Meas	3140
OREAS 238 (Fire Assay) Cert	3030
OREAS 238 (Fire Assay) Meas	3050
OREAS 238 (Fire Assay) Cert	3030
OREAS 238 (Fire Assay) Meas	3070
OREAS 238 (Fire Assay) Cert	3030
OREAS 238 (Fire Assay) Meas	2960
OREAS 238 (Fire Assay) Cert	3030
Oreas E1336 (Fire Assay) Meas	512
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	517
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	508
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	518
Oreas E1336 (Fire Assay) Cert	510
A860572 Orig	11
A860572 Dup	8
A860576 Orig	< 5
A860576 Dup	< 5
A860597 Orig	< 5
A860597 Dup	< 5
A860603 Orig	< 5
A860603 Split PREP DUP	< 5
A860610 Orig	7
A860610 Dup	6
A860631 Orig	63
A860631 Dup	90
A860641 Orig	< 5
A860641 Dup	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



Report No.: A20-14617 (i)
Report Date: 05-Dec-20
Date Submitted: 16-Nov-20
Your Reference:

Platinex Inc.
807 William Roe Blvd
Newmarket ON L3Y 5V6
Canada

ATTN: James Trusler

CERTIFICATE OF ANALYSIS

151 Rock samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1A2B-30-Tbay | QOP AA-Au (Au - Fire Assay AA)

REPORT A20-14617 (i)

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
A860645	68
A860646	< 5
A860647	786
A860648	11
A860649	152
A860650	37
A860651	136
A860652	64
A860653	< 5
A860654	252
A860655	44
A860656	444
A860657	7
A860658	< 5
A860659	31
A860660	< 5
A860661	1250
A860662	16
A860663	118
A860664	766
A860665	72
A860666	84
A860667	565
A860668	14
A860669	< 5
A860670	14
A860671	7
A860672	< 5
A860673	< 5
A860674	< 5
A860675	< 5
A860676	< 5
A860677	< 5
A860678	6
A860679	< 5
A860680	1810
A860681	< 5
A860682	< 5
A860683	< 5
A860684	24
A860685	< 5
A860686	< 5
A860687	< 5
A860688	< 5
A860689	< 5
A860690	< 5
A860691	< 5
A860692	< 5
A860693	< 5
A860694	< 5
A860695	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
A860696	< 5
A860697	< 5
A860698	< 5
A860699	< 5
A860700	< 5
A860701	1860
A860702	9
A860703	425
A860704	1320
A860705	653
A860706	522
A860707	115
A860708	886
A860709	703
A860710	809
A860711	< 5
A860712	< 5
A860713	< 5
A860714	1060
A860715	< 5
A860716	< 5
A860717	< 5
A860718	< 5
A860719	1260
A860720	< 5
A860721	< 5
A860722	< 5
A860723	80
A860724	< 5
A860725	42
A860726	< 5
A860727	< 5
A860728	33
A860729	12
A860730	< 5
A860731	< 5
A860732	< 5
A860733	< 5
A860734	372
A860735	< 5
A860736	6
A860737	10
A860738	1390
A860739	13
A860740	4000
A860741	42
A860742	445
A860743	66
A860744	349
A860745	< 5
A860746	< 5

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
A860747	38
A860748	< 5
A860749	< 5
A860750	< 5
A860751	6
A860752	< 5
A860753	12
A860754	23
A860755	< 5
A860756	5
A860757	6
A860758	5
A860759	< 5
A860760	< 5
A860761	5
A860762	< 5
A860763	137
A860764	8
A860765	6
A860766	11
A860767	< 5
A860768	5
A860769	< 5
A860770	< 5
A860771	41
A860772	< 5
A860773	6
A860774	< 5
A860775	< 5
A860776	16
A860777	82
A860778	525
A860779	369
A860780	3980
A860781	54
A860782	57
A860783	38
A860784	55
A860785	< 5
A860786	17
A860787	14
A860788	41
A860789	< 5
A860790	11
A860791	5
A860792	13
A860793	43
A860794	96
A860795	677

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
Oreas 237 (fire Assay) Meas	2130
Oreas 237 (fire Assay) Cert	2210
Oreas 237 (fire Assay) Meas	2240
Oreas 237 (fire Assay) Cert	2210
Oreas 237 (fire Assay) Meas	2140
Oreas 237 (fire Assay) Cert	2210
Oreas 237 (fire Assay) Meas	2130
Oreas 237 (fire Assay) Cert	2210
Oreas 237 (fire Assay) Meas	2110
Oreas 237 (fire Assay) Cert	2210
Oreas 237 (fire Assay) Meas	2190
Oreas 237 (fire Assay) Cert	2210
Oreas 237 (fire Assay) Meas	2160
Oreas 237 (fire Assay) Cert	2210
Oreas E1336 (Fire Assay) Meas	494
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	494
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	511
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	496
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	504
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	514
Oreas E1336 (Fire Assay) Cert	510
Oreas E1336 (Fire Assay) Meas	525
Oreas E1336 (Fire Assay) Cert	510
A860654 Orig	305
A860654 Dup	199

Analyte Symbol	Au
Unit Symbol	ppb
Lower Limit	5
Method Code	FA-AA
A860664 Orig	774
A860664 Dup	758
A860674 Orig	6
A860674 Dup	< 5
A860689 Orig	< 5
A860689 Dup	< 5
A860694 Orig	< 5
A860694 Split PREP DUP	< 5
A860698 Orig	< 5
A860698 Dup	< 5
A860708 Orig	898
A860708 Dup	873
A860733 Orig	< 5
A860733 Dup	7
A860743 Orig	53
A860743 Dup	78
A860744 Orig	349
A860744 Split PREP DUP	392
A860757 Orig	6
A860757 Dup	5
A860767 Orig	5
A860767 Dup	< 5
A860777 Orig	81
A860777 Dup	83
A860792 Orig	17
A860792 Dup	8
A860794 Orig	96
A860794 Split PREP DUP	80
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5
Method Blank	< 5



Report No.: A20-12932Final2
Report Date: 18-Feb-21
Date Submitted: 19-Oct-20
Your Reference:

Platinex Inc.
807 William Roe Blvd,
Newmarket ON L3Y 5V6 Canada

ATTN: David Jamieson

CERTIFICATE OF ANALYSIS

161 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package requested, Description, and Testing Date. Rows include 4E-Expl (1-10) and UT-5.

REPORT A20-12932Final2

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained.

Notes:

Total includes all elements in % oxide to the left of total. Values above the upper limit should be assayed for most accurate values.

Unaltered silicates and resistate minerals may not be dissolved. Values which exceed upper limit should be assayed.

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Ag	As	Ba	Br	Co	Cr	Cs	Hf	Hg	Ir	Rb	Sb	Sc	Se	Ta	Th	U	W	La	Ce	Nd	Sm
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	2	3	1	1	1	0.5	0.5	1	5	20	0.2	0.1	3	1	0.5	0.5	3	0.2	3	5	0.1
Method Code	INAA	MULT INAA / TD-ICP	INAA	MULT I NAA/F USICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
9182														1.3									
L905403														36.2									
L905407														17.2									
L905417														34.7									
L905419														37.4									
L905432														22.0									
L905457	< 5	< 0.5	< 2	18	< 1	49	60	< 0.5	0.5	< 1	< 5	< 20	< 0.2	47.2	< 3	< 1	< 0.5	< 0.5	< 3	1.6	< 3	< 5	1.6
L905461														19.1									
L905471														31.3									
L905481	< 5	< 0.5	7	200	< 1	57	84	< 0.5	2.5	< 1	< 5	< 20	0.6	46.0	< 3	< 1	1.5	< 0.5	< 3	11.8	29	16	3.9
L905493	< 5	< 0.5	22	98	< 1	41	36	< 0.5	1.1	< 1	< 5	30	< 0.2	40.3	< 3	< 1	0.5	< 0.5	< 3	2.1	< 3	< 5	1.5
L902701														37.1									
L902736	< 5	< 0.5	< 2	39	< 1	48	100	< 0.5	0.7	< 1	< 5	< 20	< 0.2	42.6	< 3	< 1	< 0.5	< 0.5	< 3	2.6	< 3	< 5	1.9
L902737														24.1									
L902746														21.2									
L902748														22.6									

Results

Activation Laboratories Ltd.

Report: A20-12932

Analyte Symbol	Eu	Tb	Yb	Lu	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Total	Be	Sr	V	Y	Zr	Bi	Cd	Cu
Unit Symbol	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.5	0.1	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	0.01	1	2	5	1	2	2	0.5	1
Method Code	INAA	INAA	INAA	INAA	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	TD-ICP	TD-ICP	TD-ICP
9182																							
L905403																							
L905407																							
L905417																							
L905419																							
L905432																							
L905457	0.4	< 0.5	2.2	0.32	47.18	14.24	11.49	0.17	6.37	6.96	3.22	0.03	0.794	0.07	98.53	< 1	57	267	16	45	< 2	< 0.5	136
L905461																							
L905471																							
L905481	1.0	< 0.5	3.6	0.49	50.89	13.11	15.85	0.23	5.34	8.66	2.90	0.62	1.416	0.16	100.6	< 1	136	382	29	107	< 2	< 0.5	140
L905493	0.6	< 0.5	2.2	0.23	44.69	13.25	10.78	0.20	5.40	8.67	1.16	1.68	0.791	0.06	100.6	< 1	53	255	15	43	< 2	< 0.5	75
L902701																							
L902736	0.3	< 0.5	2.8	0.39	50.03	13.57	12.79	0.15	5.88	6.26	2.38	0.28	0.959	0.07	100.5	< 1	49	295	17	53	< 2	< 0.5	170
L902737																							
L902746																							
L902748																							

Results

Activation Laboratories Ltd.

Report: A20-12932

Analyte Symbol	Mo	Ni	Pb	S	Zn	LOI	Au	Ag	Ni	Zn	As	Ba	Br	Co	Cr	Cs	Fe	Hf	Na	Sb	Se	Ta	Th
Unit Symbol	ppm	ppm	ppm	%	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	2	1	5	0.001	1		2	0.05	0.5	0.5	0.5	1	0.5	0.1	2	0.05	0.01	1	0.01	0.1	0.1	0.1	0.1
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	GRAV	INAA	MULT I NAA/T D-ICP- MS	MULT I NAA/T D-ICP- MS	MULT I NAA/T D-ICP- MS	INAA	MULT I NAA/T D-ICP- MS	INAA	MULT I NAA/T D-ICP- MS	INAA	MULT I NAA/T D-ICP- MS	INAA	INAA	INAA	INAA	MULT I NAA/T D-ICP- MS	MULT I NAA/T D-ICP- MS	MULT I NAA/T D-ICP- MS
9182							5770	10.8	3.0	6.6	6.9	24	2.3	1.8	14	0.14	0.90	< 1	0.03	0.2	0.2	< 0.1	< 0.1
L905403							702	0.17	64.3	123	11.2	35	< 0.5	50.0	96	1.04	9.95	2	1.60	< 0.1	0.2	< 0.1	0.2
L905407							1340	0.44	17.1	21.0	42.2	81	1.9	17.7	24	0.77	4.26	< 1	0.05	0.4	0.2	< 0.1	0.2
L905417							3810	0.71	30.9	81.2	37.0	69	< 0.5	38.4	21	0.21	9.23	1	1.74	0.1	0.3	< 0.1	0.3
L905419							575	0.14	46.4	62.9	48.7	108	< 0.5	44.3	80	1.34	8.65	2	0.39	0.1	0.5	< 0.1	0.2
L905432							118	< 0.05	18.1	79.6	29.6	35	< 0.5	30.9	12	0.16	7.54	1	1.23	0.2	0.2	< 0.1	0.2
L905457	< 2	51	< 5	0.031	73	8.01																	
L905461							4260	0.66	307	87.7	20.9	296	< 0.5	51.9	384	0.61	7.19	2	1.70	0.7	0.1	< 0.1	2.7
L905471							496	0.17	31.2	63.0	59.0	123	< 0.5	35.9	20	1.22	7.38	< 1	0.09	0.4	0.5	< 0.1	0.3
L905481	< 2	42	6	0.121	107	1.41																	
L905493	< 2	41	< 5	0.072	65	13.93																	
L902701							1820	0.38	115	76.7	16.0	91	< 0.5	47.0	256	0.24	7.51	1	1.52	0.2	0.2	< 0.1	0.6
L902736	< 2	49	< 5	0.106	72	8.16																	
L902737							135	0.10	24.4	55.7	19.1	98	< 0.5	28.9	15	0.81	6.01	1	0.55	< 0.1	0.8	< 0.1	0.2
L902746							4790	0.65	21.5	26.3	28.2	131	< 0.5	22.0	40	0.92	5.36	< 1	0.27	0.3	0.9	< 0.1	0.1
L902748							5270	0.70	30.2	38.8	38.3	142	< 0.5	29.4	50	0.93	5.72	< 1	0.31	0.1	0.8	< 0.1	0.1

Analyte Symbol	U	W	Mass	Cu	Cd	Mn	Pb	Be	Bi	Ca	Eu	Ga	Ge	In	Li	Mg	Nb	Mo	Rb	Re	Sn	Sr	Te
Unit Symbol	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	1		0.2	0.1	1	0.5	0.1	0.02	0.01	0.05	0.1	0.1	0.1	0.5	0.01	0.1	0.05	0.2	0.001	1	0.2	0.1
Method Code	MULTI NAA/T D-ICP- MS	INAA	INAA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
9182	< 0.1	< 1	35.8	8.2	< 0.1	187	4.6	0.2	0.04	1.14	0.20	2.6	< 0.1	< 0.1	1.6	0.09	0.7	0.47	9.2	< 0.001	1	11.1	8.5
L905403	< 0.1	3	30.3	52.8	< 0.1	1140	2.3	0.4	< 0.02	3.22	0.72	13.7	0.4	< 0.1	65.4	4.54	0.1	0.09	6.6	< 0.001	< 1	20.7	< 0.1
L905407	< 0.1	18	29.3	16.4	< 0.1	664	2.4	0.4	< 0.02	4.90	0.36	7.8	< 0.1	< 0.1	14.6	1.11	0.5	0.43	24.4	< 0.001	< 1	16.3	< 0.1
L905417	< 0.1	7	33.8	78.1	0.2	1570	1.6	0.5	0.03	3.91	0.72	16.9	0.4	< 0.1	23.6	2.88	< 0.1	0.06	5.4	< 0.001	< 1	53.3	< 0.1
L905419	< 0.1	2	29.7	113	< 0.1	1360	1.1	0.4	< 0.02	4.94	0.52	13.8	0.2	< 0.1	20.0	3.01	< 0.1	0.11	31.3	0.002	< 1	34.0	< 0.1
L905432	< 0.1	2	33.1	42.2	0.1	1400	1.2	0.3	< 0.02	4.45	0.61	11.8	0.1	< 0.1	14.1	1.92	0.1	0.47	2.4	0.001	< 1	35.3	< 0.1
L905457			1.290																				
L905461	0.6	5	24.0	89.7	< 0.1	928	6.5	1.0	0.27	3.91	1.50	14.8	0.3	< 0.1	10.9	4.60	1.6	1.91	26.5	0.001	< 1	367	< 0.1
L905471	< 0.1	34	29.4	82.1	0.1	1320	17.4	0.8	0.02	6.89	0.61	14.4	0.1	< 0.1	29.9	2.10	< 0.1	0.45	30.2	0.002	< 1	30.0	< 0.1
L905481			2.006																				
L905493			1.706																				
L902701	0.1	< 1	25.8	148	0.1	1240	8.8	0.3	0.15	6.91	0.79	13.6	0.3	< 0.1	13.7	3.97	< 0.1	0.46	8.7	0.003	< 1	158	< 0.1
L902736			1.630																				
L902737	< 0.1	10	32.6	94.4	< 0.1	1310	1.8	0.4	0.02	4.92	0.54	11.2	0.1	< 0.1	16.8	2.43	0.7	0.65	25.2	0.001	< 1	34.2	< 0.1
L902746	< 0.1	20	33.6	102	0.2	1150	2.5	0.4	0.08	5.84	0.47	8.2	< 0.1	< 0.1	4.1	2.06	0.9	0.40	28.4	0.001	< 1	36.1	< 0.1
L902748	< 0.1	13	34.9	183	< 0.1	1070	2.5	0.4	0.10	5.08	0.49	9.4	0.5	< 0.1	9.1	2.07	0.3	0.31	32.8	0.002	< 1	28.1	< 0.1

Analyte Symbol	Tl	V	Y	Zr	La	K	Ce	Pr	Nd	Sm	Gd	Dy	Tb	Ho	Hg	Er	Tm	Yb	Lu
Unit Symbol	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Lower Limit	0.05	1	0.1	1	0.1	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	10	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
9182	< 0.05	9	1.4	4	0.4	0.26	0.9	0.1	0.8	0.3	0.3	0.3	< 0.1	< 0.1	110	0.2	< 0.1	0.2	< 0.1
L905403	< 0.05	187	15.2	30	1.8	0.20	5.5	0.9	5.2	1.8	2.4	2.8	0.5	0.7	50	2.0	0.3	1.8	0.3
L905407	0.20	125	8.7	22	1.8	0.68	4.5	0.7	3.5	1.0	1.4	1.7	0.3	0.4	50	1.3	0.2	1.1	0.2
L905417	< 0.05	163	11.0	13	3.1	0.17	9.0	1.4	7.4	2.3	2.4	2.1	0.4	0.5	120	1.5	0.2	1.5	0.2
L905419	0.32	217	8.4	28	2.3	0.79	6.2	0.9	5.2	1.4	1.7	1.5	0.3	0.4	70	1.1	0.2	1.1	0.2
L905432	< 0.05	184	10.9	31	2.2	0.06	6.7	1.0	4.9	1.4	1.9	2.1	0.3	0.5	60	1.5	0.2	1.3	0.2
L905457																			
L905461	0.10	78	16.5	75	18.0	0.83	36.9	4.4	19.1	4.3	4.4	3.7	0.7	0.7	130	2.0	0.3	1.4	0.2
L905471	0.31	212	14.6	36	2.6	0.78	7.1	1.2	6.0	2.0	2.5	2.9	0.5	0.7	60	2.1	0.3	2.0	0.3
L905481																			
L905493																			
L902701	0.06	137	16.3	19	3.6	0.31	9.0	1.3	6.4	2.3	2.7	3.2	0.5	0.7	90	2.0	0.3	1.9	0.3
L902736																			
L902737	0.23	198	6.6	30	1.9	0.69	5.3	0.9	4.9	1.3	1.5	1.4	0.3	0.3	50	0.9	0.1	0.9	0.1
L902746	0.33	154	5.3	25	1.6	0.76	4.6	0.7	3.9	1.3	1.3	1.2	0.2	0.3	30	0.7	0.1	0.8	0.1
L902748	0.34	155	5.5	22	1.7	1.00	4.6	0.7	3.8	1.0	1.3	1.1	0.2	0.2	120	0.7	0.1	0.7	0.1

Analyte Symbol	Au	Ag	As	Ba	Br	Co	Cr	Cs	Hf	Hg	Ir	Rb	Sb	Sc	Se	Ta	Th	U	W	La	Ce	Nd	Sm
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	5	2	50	1	1	1	0.5	0.5	1	5	20	0.2	0.1	3	1	0.5	0.5	3	0.2	3	5	0.1
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
NIST 694 Meas																							
NIST 694 Cert																							
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
W-2a Meas																							
W-2a Cert																							
W-2a Meas																							
W-2a Cert																							
SY-4 Meas																							
SY-4 Cert																							
SY-4 Meas																							
SY-4 Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 905	423		35	2720		16		8.0	6.9			100	1.8			< 1	14.5	5.1	< 3	45.2	90	39	7.2

Analyte Symbol	Au	Ag	As	Ba	Br	Co	Cr	Cs	Hf	Hg	Ir	Rb	Sb	Sc	Se	Ta	Th	U	W	La	Ce	Nd	Sm
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	5	2	50	1	1	1	0.5	0.5	1	5	20	0.2	0.1	3	1	0.5	0.5	3	0.2	3	5	0.1
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
(INAA) Meas																							
OREAS 905 (INAA) Cert	391		36.2	2800		15.3		7.10	7.26			137	1.96			1.38	14.7	5.00	3.02	48.0	96.0	40.5	7.64
OREAS 905 (INAA) Meas				2650														4.9					
OREAS 905 (INAA) Cert				2800														5.00					
OREAS 905 (INAA) Meas				2200														4.8					
OREAS 905 (INAA) Cert				2800														5.00					
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 923 (4 Acid) Meas																							
OREAS 923 (4 Acid) Cert																							
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 681 (4 Acid) Meas																							
OREAS 681 (4 Acid) Cert																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 5	< 5	< 2	< 50	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 5	< 20	< 0.2	< 0.1	< 3	< 1	< 0.5	< 0.5	< 3	< 0.2	< 3	< 5	< 0.1
Method Blank		< 5		< 50										< 0.1	< 3			< 0.5					
Method Blank		< 5		< 50										< 0.1	< 3			< 0.5					
Method Blank																							

Analyte Symbol	Eu	Tb	Yb	Lu	Mass	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Ba	Be	Sr	V	Y	Zr	Ag	Bi
Unit Symbol	ppm	ppm	ppm	ppm	g	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.5	0.1	0.05		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	2	1	2	5	1	2	0.5	2
Method Code	INAA	INAA	INAA	INAA	INAA	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	TD-ICP	TD-ICP
NIST 694 Meas						11.63	1.86	0.73	0.01	0.33	42.55	0.85	0.57	0.121	30.21				1671				
NIST 694 Cert						11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2				1740				
NIST 694 Meas						11.63	1.86	0.73	0.01	0.33	42.55	0.85	0.57	0.120	30.21				1671				
NIST 694 Cert						11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2				1740				
DNC-1 Meas						47.91	18.17	10.07	0.15	10.03	11.59	1.89	0.23	0.497	0.07	106		145	153	16	35		
DNC-1 Cert						47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070	118		144.0	148	18.0	38		
DNC-1 Meas						47.91	18.17	10.07	0.15	10.03	11.59	1.89	0.23	0.500	0.07	106		145	153	16	35		
DNC-1 Cert						47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070	118		144.0	148	18.0	38		
GBW 07113 Meas						71.32	13.03	3.28	0.15	0.14	0.60	2.45	5.37	0.295	0.05	491	4	40	< 5	46	382		
GBW 07113 Cert						72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500	506	4.00	43.0	5.00	43.0	403		
GBW 07113 Meas						71.32	13.03	3.28	0.15	0.14	0.60	2.45	5.37	0.300	0.05	491	4	40	< 5	46	382		
GBW 07113 Cert						72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500	506	4.00	43.0	5.00	43.0	403		
W-2a Meas						52.47	15.61	10.84	0.17	6.21	11.20	2.22	0.62	1.112	0.13	180	< 1	191	277	19	89		
W-2a Cert						52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.140	182	1.30	190	262	24.0	94.0		
W-2a Meas						52.47	15.61	10.84	0.17	6.21	11.20	2.22	0.62	1.110	0.13	180	< 1	191	277	19	89		
W-2a Cert						52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.140	182	1.30	190	262	24.0	94.0		
SY-4 Meas						49.97	20.53	6.14	0.11	0.49	8.13	7.03	1.68	0.293	0.13	356	3	1204	8	120	549		
SY-4 Cert						49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131	340	2.6	1191	8.0	119	517		
SY-4 Meas						49.97	20.53	6.14	0.11	0.49	8.13	7.03	1.68	0.290	0.13	356	3	1204	8	120	549		
SY-4 Cert						49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131	340	2.6	1191	8.0	119	517		
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
BIR-1a Meas						50.85	15.63	11.58	0.17	9.55	13.78	1.80	0.02	0.993	0.02	9	< 1	108	338	14	15		
BIR-1a Cert						47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021	6	0.58	110	310	16	18		
BIR-1a Meas						50.85	15.63	11.58	0.17	9.55	13.78	1.80	0.02	0.990	0.02	9	< 1	108	338	14	15		
BIR-1a Cert						47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021	6	0.58	110	310	16	18		
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 13b (4-Acid) Meas																							0.9
OREAS 13b (4-Acid) Cert																							0.86
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d																							

Analyte Symbol	Eu	Tb	Yb	Lu	Mass	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Ba	Be	Sr	V	Y	Zr	Ag	Bi
Unit Symbol	ppm	ppm	ppm	ppm	g	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.5	0.1	0.05		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	2	1	2	5	1	2	0.5	2
Method Code	INAA	INAA	INAA	INAA	INAA	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	TD-ICP	TD-ICP
(4-Acid) Cert																							
OREAS 905 (INAA) Meas	1.4	< 0.5	0.3																				
OREAS 905 (INAA) Cert	1.46	0.810	0.760																				
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 96 (4 Acid) Meas																						11.8	21
OREAS 96 (4 Acid) Cert																						11.5	26.3
OREAS 923 (4 Acid) Meas																						2.1	15
OREAS 923 (4 Acid) Cert																						1.60	21.4
OREAS 621 (4 Acid) Meas																						71.9	< 2
OREAS 621 (4 Acid) Cert																						69.0	3.93
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 681 (4 Acid) Meas																						< 0.5	< 2
OREAS 681 (4 Acid) Cert																						0.118	0.0980
Method Blank																						< 0.5	< 2
Method Blank																						< 0.5	< 2
Method Blank						< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	0.01	< 2	< 1	< 2	< 5	< 1	3		
Method Blank	< 0.1	< 0.5	< 0.1	< 0.05	1.000	< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	0.01	< 2	< 1	< 2	< 5	< 1	3		
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Cd	Cu	Mo	Ni	Pb	S	Zn	Au	Ni	Zn	As	Br	Co	Cr	Cs	Fe	Hf	Na	Sb	Ta	Th	W	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	g
Lower Limit	0.5	1	2	1	5	0.001	1	2	20	50	0.5	0.5	1	2	1	0.01	1	0.01	0.1	0.5	0.2	1	
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
NIST 694 Meas																							
NIST 694 Cert																							
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
W-2a Meas																							
W-2a Cert																							
W-2a Meas																							
W-2a Cert																							
SY-4 Meas																							
SY-4 Cert																							
SY-4 Meas																							
SY-4 Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 13b (4-Acid) Meas		2410	8	2110		1.10	116																
OREAS 13b (4-Acid) Cert		2327.0 000	9.0	2247.0 000		1.2	133																
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 905								389		70	34.3		15		9	3.97	8		2.1	1.0	15.8	< 1	

Analyte Symbol	Cd	Cu	Mo	Ni	Pb	S	Zn	Au	Ni	Zn	As	Br	Co	Cr	Cs	Fe	Hf	Na	Sb	Ta	Th	W	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	g
Lower Limit	0.5	1	2	1	5	0.001	1	2	20	50	0.5	0.5	1	2	1	0.01	1	0.01	0.1	0.5	0.2	1	
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
(INAA) Meas																							
OREAS 905 (INAA) Cert								391		139	36.2		15.3		7.10	4.23	7.26		1.96	1.38	14.7	3.02	
OREAS 905 (INAA) Meas								401		140	34.8		17		8	4.33	8		2.0	< 0.5	14.9	< 1	
OREAS 905 (INAA) Cert								391		139	36.2		15.3		7.10	4.23	7.26		1.96	1.38	14.7	3.02	
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 96 (4 Acid) Meas		> 10000			99	4.09	458																
OREAS 96 (4 Acid) Cert		39300			101	4.19	457																
OREAS 923 (4 Acid) Meas	< 0.5	4300	< 2	40	84	0.699	355																
OREAS 923 (4 Acid) Cert	0.420	4230	0.930	35.8	83.0	0.691	345																
OREAS 621 (4 Acid) Meas	282	3740	12	29	> 5000	4.58	> 10000																
OREAS 621 (4 Acid) Cert	284	3630	13.6	26.2	13600	4.48	52200																
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 681 (4 Acid) Meas		261	< 2	450	7	0.101	77																
OREAS 681 (4 Acid) Cert		264	1.38	503	10.2	0.109	88.0																
Method Blank	< 0.5	< 1	< 2	< 1	< 5	0.002	< 1																
Method Blank	< 0.5	< 1	< 2	< 1	< 5	0.002	< 1																
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank								< 2	< 20	< 50	< 0.5	< 0.5	< 1	< 2	< 1	< 0.01	< 1	< 0.01	< 0.1	< 0.5	< 0.2	< 1	30.0
Method Blank								< 2	< 20	< 50	< 0.5	< 0.5	< 1	< 2	< 1	< 0.01	< 1	< 0.01	< 0.1	< 0.5	< 0.2	< 1	30.0
Method Blank																							

Analyte Symbol	Cu	Cd	Mn	Co	Eu	Ga	In	Mg	Nb	Rb	Se	Ta	Th	U	V	La	K	Pr	Nd	Gd	Dy	Hg	Yb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppb	ppm
Lower Limit	0.2	0.1	1	0.1	0.05	0.1	0.1	0.01	0.1	0.2	0.1	0.1	0.1	0.1	1	0.1	0.01	0.1	0.1	0.1	0.1	10	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
NIST 694 Meas																							
NIST 694 Cert																							
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
W-2a Meas																							
W-2a Cert																							
W-2a Meas																							
W-2a Cert																							
SY-4 Meas																							
SY-4 Cert																							
SY-4 Meas																							
SY-4 Cert																							
Oreas 72a (4 Acid Digest) Meas	271			130																			
Oreas 72a (4 Acid Digest) Cert	316			157																			
BIR-1a Meas																							
BIR-1a Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
OREAS 101b (4 Acid) Meas	404		952	43.7	7.95			1.24					36.6	394	73	762	1.54	118	385	38.0	25.1		12.9
OREAS 101b (4 Acid) Cert	412		927	45	8.1			1.23					36.4	387	77	754	2.36	127	388	40	27		13.9
OREAS 98 (4 Acid) Meas	> 10000			103							149												
OREAS 98 (4 Acid) Cert	14800 0.0			121							158												
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 13b (4-Acid) Meas	2300			73.6																			
OREAS 13b (4-Acid) Cert	2327.0 000			75																			
OREAS 904 (4 ACID) Meas	5790		387	80.0		15.6	0.2	0.55		50.9	1.9	< 0.1	14.3	8.2	71	41.5	0.85						3.0
OREAS 904 (4 ACID) Cert	6120		410	83.0		16.7	0.220	0.556		130	3.30	0.540	14.3	8.43	76.0	43.2	3.31						3.14
SBC-1 Meas	27.4	0.3		18.7	1.82	21.3			14.4	133		1.1	14.1	5.2	194	43.7		11.3	44.6	7.4	5.9		3.1
SBC-1 Cert	31.0	0.40		22.7	1.98	27.0			15.3	147		1.10	15.8	5.76	220.0	52.5		12.6	49.2	8.5	7.10		3.64
OREAS 45d (4-Acid) Meas	363		486	27.6	0.63	21.2	< 0.1	0.19	< 0.1	45.4		< 0.1	12.6	2.6	99	16.2	0.49	3.8	14.1	2.4	2.2		1.4
OREAS 45d (4-Acid) Cert	371		490.000	29.50	0.57	21.20	0.096	0.245	14.50	42.1		1.02	14.5	2.63	235.0	16.9	0.412	3.70	13.4	2.42	2.26		1.33
OREAS 905																							

Analyte Symbol	Cu	Cd	Mn	Co	Eu	Ga	In	Mg	Nb	Rb	Se	Ta	Th	U	V	La	K	Pr	Nd	Gd	Dy	Hg	Yb
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppb	ppm
Lower Limit	0.2	0.1	1	0.1	0.05	0.1	0.1	0.01	0.1	0.2	0.1	0.1	0.1	0.1	1	0.1	0.01	0.1	0.1	0.1	0.1	10	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
(INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 923 (4 Acid) Meas																							
OREAS 923 (4 Acid) Cert																							
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							
OREAS 621 (4 Acid) Meas	3010	272	437	25.3		21.0	1.6	0.32	7.9	83.6	4.7		3.8	2.5	27	14.9	2.27						0.9
OREAS 621 (4 Acid) Cert	3630	284	532	29.3		24.6	1.83	0.507	8.61	84.0	5.64		7.48	2.83	31.8	21.6	2.20						0.990
OREAS 522 (4 Acid) Meas	8740		4040	546	1.86	15.7	0.2	1.10	0.9	82.1	1.3	< 0.1	1.6	42.8	141	72.9	2.81	8.3	25.7	4.3	3.2		1.9
OREAS 522 (4 Acid) Cert	9160		3970	550	1.88	16.0	0.230	1.12	5.66	82.0	2.74	0.440	7.53	42.2	164	171	2.83	9.76	27.2	3.87	3.24		1.97
Oreas 77b (4 Acid Digest) Meas	2730	1.1	572	1340		3.8	0.1	1.98	2.7	18.5		0.3	5.6	1.6	25	13.1	0.32						
Oreas 77b (4 Acid Digest) Cert	3430	1.20	640	1550		4.61	0.112	2.59	3.26	19.1		0.280	6.61	1.71	33.6	15.8	0.361						
OREAS 681 (4 Acid) Meas																							
OREAS 681 (4 Acid) Cert																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.2	< 0.1	2	< 0.1	< 0.05	0.2	< 0.1	< 0.01	< 0.1	< 0.2	0.1	< 0.1	< 0.1	< 0.1	1	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	70	< 0.1

Analyte Symbol	Ag	Pb	Ni	Zn	Ba	Be	Bi	Ca	Cs	Ge	Li	Mo	Re	Sn	Sr	Te	Tl	Y	Zr	Ce	Sm	Tb	Ho
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.5	0.5	0.5	1	0.1	0.02	0.01	0.05	0.1	0.5	0.05	0.001	1	0.2	0.1	0.05	0.1	1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
NIST 694 Meas																							
NIST 694 Cert																							
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
W-2a Meas																							
W-2a Cert																							
W-2a Meas																							
W-2a Cert																							
SY-4 Meas																							
SY-4 Cert																							
SY-4 Meas																							
SY-4 Cert																							
Oreas 72a (4 Acid Digest) Meas			> 5000																				
Oreas 72a (4 Acid Digest) Cert			6930.00																				
BIR-1a Meas																							
BIR-1a Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
OREAS 101b (4 Acid) Meas		23.8	9.7									19.0						125		1360	51.6	4.8	5.5
OREAS 101b (4 Acid) Cert		23	8.2									20.1						133		1325	48	5.4	5.2
OREAS 98 (4 Acid) Meas	41.4	329		1180			96.2							197									
OREAS 98 (4 Acid) Cert	45.1	345		1360			97.2							206									
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 13b (4-Acid) Meas	0.89		2460	138								9.14											
OREAS 13b (4-Acid) Cert	0.86		2247.000	133								9.0											
OREAS 904 (4 ACID) Meas	0.53	10.6	39.8	22.9	135	8.2	4.08	0.04	3.39	< 0.1	16.7	2.06		2	24.5		0.54	28.7	7	84.7		1.0	
OREAS 904 (4 ACID) Cert	0.551	10.6	40.1	26.3	194	7.86	4.05	0.0460	3.79	0.180	16.7	2.12		2.83	27.2		0.520	31.5	171	86.0		1.00	
SBC-1 Meas		35.4	78.2	166	507	2.9	0.67		7.12		164	1.91		3	156		0.86	25.9	96	96.1	9.1	1.1	1.2
SBC-1 Cert		35.0	82.8	186	788.0	3.20	0.70		8.2		163	2.40		3.3	178.0		0.89	36.5	134.0	108.0	9.6	1.20	1.40
OREAS 45d (4-Acid) Meas		21.7	237	42.5	182	0.7	0.31	0.18	3.58		22.0	0.16		< 1	27.4		0.26	9.8	70	35.6	2.9	0.4	0.5
OREAS 45d (4-Acid) Cert		21.8	231.0	45.7	183.0	0.79	0.31	0.185	3.910		21.5	2.500		2.78	31.30		0.27	9.53	141	37.20	2.80	0.400	0.46
OREAS 905																							

Analyte Symbol	Ag	Pb	Ni	Zn	Ba	Be	Bi	Ca	Cs	Ge	Li	Mo	Re	Sn	Sr	Te	Tl	Y	Zr	Ce	Sm	Tb	Ho
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.5	0.5	0.5	1	0.1	0.02	0.01	0.05	0.1	0.5	0.05	0.001	1	0.2	0.1	0.05	0.1	1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
(INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 923 (4 Acid) Meas																							
OREAS 923 (4 Acid) Cert																							
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							
OREAS 621 (4 Acid) Meas	60.0	> 5000	23.1	> 10000		1.5	3.99	1.68	2.81		13.5	12.3		5	53.8		2.00	9.1	125	39.4		0.5	
OREAS 621 (4 Acid) Cert	69.0	13600	26.2	52200		1.69	3.93	1.97	3.28		14.2	13.6		5.25	91.0		1.96	11.1	168	46.6		0.460	
OREAS 522 (4 Acid) Meas	1.27	8.2	72.7	30.2		0.6	9.21	3.50	0.58		14.8	181	0.102	8	63.2	0.2	0.30	16.9	104	98.5	4.0	0.6	0.7
OREAS 522 (4 Acid) Cert	1.31	12.5	70.0	30.2		0.700	8.72	3.65	0.640		16.2	206	0.0980	9.32	199	1.14	0.290	18.5	112	148	4.17	0.590	0.660
Oreas 77b (4 Acid Digest) Meas	1.45	57.6	> 5000	182	13	0.3	3.38	2.38	1.94		14.1		0.021	1	31.6	1.3	1.40	5.7	32	24.8			
Oreas 77b (4 Acid Digest) Cert	1.62	61.0	113000	205	118	0.470	3.44	3.06	2.32		18.8		0.0220	1.59	34.4	1.35	1.37	6.55	37.9	27.7			
OREAS 681 (4 Acid) Meas																							
OREAS 681 (4 Acid) Cert																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.05	< 0.5	< 0.5	< 0.5	< 1	< 0.1	< 0.02	< 0.01	< 0.05	< 0.1	< 0.5	0.21	< 0.001	< 1	< 0.2	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 0.1	< 0.1	< 0.1

Analyte Symbol	Er	Tm	Lu
Unit Symbol	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS
NIST 694 Meas			
NIST 694 Cert			
NIST 694 Meas			
NIST 694 Cert			
DNC-1 Meas			
DNC-1 Cert			
DNC-1 Meas			
DNC-1 Cert			
GBW 07113 Meas			
GBW 07113 Cert			
GBW 07113 Meas			
GBW 07113 Cert			
W-2a Meas			
W-2a Cert			
W-2a Meas			
W-2a Cert			
SY-4 Meas			
SY-4 Cert			
SY-4 Meas			
SY-4 Cert			
Oreas 72a (4 Acid Digest) Meas			
Oreas 72a (4 Acid Digest) Cert			
BIR-1a Meas			
BIR-1a Cert			
BIR-1a Meas			
BIR-1a Cert			
OREAS 101b (4 Acid) Meas	14.7	2.0	1.8
OREAS 101b (4 Acid) Cert	15	2.08	1.96
OREAS 98 (4 Acid) Meas			
OREAS 98 (4 Acid) Cert			
OREAS 13b (4-Acid) Meas			
OREAS 13b (4-Acid) Cert			
OREAS 13b (4-Acid) Meas			
OREAS 13b (4-Acid) Cert			
OREAS 904 (4 ACID) Meas			0.4
OREAS 904 (4 ACID) Cert			0.470
SBC-1 Meas	3.4	0.5	0.5
SBC-1 Cert	3.80	0.56	0.54
OREAS 45d (4-Acid) Meas	1.5		0.2
OREAS 45d (4-Acid) Cert	1.38		0.18
OREAS 905			

Analyte Symbol	Er	Tm	Lu
Unit Symbol	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS
(INAA) Meas			
OREAS 905 (INAA) Cert			
OREAS 905 (INAA) Meas			
OREAS 905 (INAA) Cert			
OREAS 905 (INAA) Meas			
OREAS 905 (INAA) Cert			
OREAS 96 (4 Acid) Meas			
OREAS 96 (4 Acid) Cert			
OREAS 923 (4 Acid) Meas			
OREAS 923 (4 Acid) Cert			
OREAS 621 (4 Acid) Meas			
OREAS 621 (4 Acid) Cert			
OREAS 621 (4 Acid) Meas			0.1
OREAS 621 (4 Acid) Cert			0.140
OREAS 522 (4 Acid) Meas	2.0	0.3	0.3
OREAS 522 (4 Acid) Cert	1.97	0.280	0.310
Oreas 77b (4 Acid Digest) Meas			
Oreas 77b (4 Acid Digest) Cert			
OREAS 681 (4 Acid) Meas			
OREAS 681 (4 Acid) Cert			
Method Blank			
Method Blank			
Method Blank			
Method Blank			
Method Blank			
Method Blank			
Method Blank			
Method Blank	< 0.1	< 0.1	< 0.1



Report No.: A20-13348-Final2
Report Date: 19-Feb-21
Date Submitted: 26-Oct-20
Your Reference:

Platinex Inc.
807 William Roe Blvd,
Newmarket ON L3Y 5V6 Canada

ATTN: David Jamieson

CERTIFICATE OF ANALYSIS

94 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package requested, Description, and Testing Date. Includes rows for 4E-Expl (1-10) and UT-5.

REPORT A20-13348-Final2

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Notes:

Total includes all elements in % oxide to the left of total. Values above the upper limit should be assayed for most accurate values.
Unaltered silicates and resistate minerals may not be dissolved. Values which exceed upper limit should be assayed.

CERTIFIED BY:

[Handwritten signature]

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Results

Activation Laboratories Ltd.

Report: A20-13348

Analyte Symbol	Al2O3	Be	CaO	Fe2O3(T)	K2O	MgO	MnO	Na2O	P2O5	SiO2	Sr	TiO2	Total	V	Y	Zr	LOI	Au	Ag	As	Ba	Br	Co
Unit Symbol	%	ppm	%	%	%	%	%	%	%	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	2	0.005	0.01	5	1	2		5	0.5	2	3	1	1
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	GRAV	INAA	MULT INAA / TD-ICP	INAA	MULT INAA/FUSICP	INAA	INAA
L902753																							
L902756																							
L902771																							
L902788																							
L902792	13.12	< 1	7.66	12.59	< 0.01	8.13	0.19	1.92	0.06	46.42	51	0.805	100.6	260	15	44	9.72	< 5	< 0.5	3	10	< 1	61
L902815																							
L902845																							

Results

Activation Laboratories Ltd.

Report: A20-13348

Analyte Symbol	Cr	Cs	Hf	Hg	Ir	Rb	Sb	Sc	Se	Ta	Th	U	W	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Bi	Cd
Unit Symbol	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	1	0.5	0.5	1	5	20	0.2	0.1	3	1	0.5	0.5	3	0.2	3	5	0.1	0.1	0.5	0.1	0.05	2	0.5
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	TD-ICP	TD-ICP
L902753								7.1															
L902756								42.3															
L902771								9.1															
L902788								30.7															
L902792	96	< 0.5	< 0.5	< 1	< 5	< 20	< 0.2	38.3	< 3	< 1	< 0.5	< 0.5	< 3	2.5	8	< 5	1.5	0.6	< 0.5	2.1	0.30	< 2	< 0.5
L902815								2.5															
L902845								21.5															

Results

Activation Laboratories Ltd.

Report: A20-13348

Analyte Symbol	Cu	Mo	Ni	Pb	S	Zn	Au	Ag	Ni	Zn	As	Ba	Br	Co	Cr	Cs	Fe	Hf	Na	Sb	Se	Ta	Th
Unit Symbol	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	1	2	1	5	0.001	1	2	0.05	0.5	0.5	0.5	1	0.5	0.1	2	0.05	0.01	1	0.01	0.1	0.1	0.1	0.1
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA	MULT I NAA/T D-ICP- MS	MULT I NAA/T D-ICP- MS	MULT I NAA/T D-ICP- MS	INAA	MULT I NAA/T D-ICP- MS	INAA	MULT I NAA/T D-ICP- MS	INAA	MULT I NAA/T D-ICP- MS	INAA	INAA	INAA	INAA	MULT I NAA/T D-ICP- MS	MULT I NAA/T D-ICP- MS	MULT I NAA/T D-ICP- MS
L902753							3970	0.59	17.3	16.3	138	59	2.4	8.2	24	0.52	2.58	< 1	0.06	0.3	0.7	< 0.1	< 0.1
L902756							5890	1.41	114	83.0	95.0	247	< 0.5	65.7	123	2.02	9.67	1	0.57	< 0.1	0.3	< 0.1	0.3
L902771							315	0.15	18.5	26.2	23.8	54	1.9	8.9	74	0.47	2.98	< 1	0.13	0.5	0.3	< 0.1	< 0.1
L902788							797	0.14	68.7	60.4	50.4	217	2.7	34.1	120	1.95	7.31	1	0.16	0.6	0.4	< 0.1	0.2
L902792	114	< 2	114	< 5	0.014	87																	
L902815							3670	0.85	8.3	10.6	23.6	14	1.9	5.3	6	0.11	1.24	< 1	0.03	0.2	0.4	< 0.1	< 0.1
L902845							4430	1.85	39.6	46.3	94.1	127	< 0.5	30.2	45	0.83	5.77	< 1	0.15	0.3	1.2	< 0.1	0.2

Analyte Symbol	U	W	Mass	Cu	Cd	Mn	Pb	Be	Bi	Ca	Eu	Ga	Ge	In	Li	Mg	Nb	Mo	Rb	Re	Sn	Sr	Te
Unit Symbol	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	1		0.2	0.1	1	0.5	0.1	0.02	0.01	0.05	0.1	0.1	0.1	0.5	0.01	0.1	0.05	0.2	0.001	1	0.2	0.1
Method Code	MULTI NAA/T D-ICP- MS	INAA	INAA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
L902753	< 0.1	5	39.1	77.0	0.4	510	11.7	0.2	0.04	0.19	0.17	3.6	< 0.1	< 0.1	1.1	0.14	0.3	0.53	23.5	< 0.001	4	< 0.2	< 0.1
L902756	< 0.1	18	30.5	325	0.6	1880	6.6	0.8	0.03	0.17	0.71	15.5	0.3	< 0.1	16.7	1.14	< 0.1	0.06	43.3	< 0.001	7	12.6	< 0.1
L902771	< 0.1	7	35.5	31.1	0.4	684	3.0	0.2	0.02	2.88	0.29	4.1	< 0.1	< 0.1	3.5	1.17	0.3	0.41	20.0	< 0.001	< 1	22.7	< 0.1
L902788	< 0.1	14	32.5	65.4	0.3	2080	3.2	0.8	< 0.02	0.55	0.70	14.4	0.2	< 0.1	6.8	0.48	0.2	0.29	44.4	< 0.001	1	12.9	< 0.1
L902792			1,600																				
L902815	< 0.1	2	39.1	39.7	0.1	192	3.0	< 0.1	0.03	0.39	0.07	1.3	< 0.1	< 0.1	0.8	0.15	0.2	0.47	6.2	< 0.001	< 1	0.3	< 0.1
L902845	< 0.1	11	33.4	97.0	0.2	1060	2.4	0.4	0.11	4.92	0.53	8.9	0.5	< 0.1	7.6	1.99	0.5	0.64	37.0	< 0.001	< 1	47.8	0.1

Analyte Symbol	Tl	V	Y	Zr	La	K	Ce	Pr	Nd	Sm	Gd	Dy	Tb	Ho	Hg	Er	Tm	Yb	Lu
Unit Symbol	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Lower Limit	0.05	1	0.1	1	0.1	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	10	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
L902753	0.15	46	2.9	7	0.5	0.72	1.3	0.2	1.2	0.3	0.4	0.5	< 0.1	0.1	60	0.4	< 0.1	0.4	< 0.1
L902756	0.56	145	9.4	11	2.8	1.17	7.5	1.1	5.6	1.8	2.0	2.0	0.3	0.4	70	1.3	0.2	1.3	0.2
L902771	0.13	58	3.0	8	0.6	0.62	1.6	0.2	1.5	0.4	0.6	0.5	< 0.1	0.1	50	0.4	< 0.1	0.4	< 0.1
L902788	0.56	193	9.3	29	1.6	1.29	5.2	0.7	4.1	1.2	1.7	2.0	0.3	0.4	50	1.3	0.2	1.3	0.2
L902792																			
L902815	< 0.05	17	0.9	3	0.2	0.19	0.6	< 0.1	0.4	0.2	0.1	0.2	< 0.1	< 0.1	90	0.1	< 0.1	0.1	< 0.1
L902845	0.27	145	7.5	23	2.1	1.13	5.2	0.8	4.0	1.3	1.4	1.5	0.2	0.3	90	1.0	0.1	1.0	0.2

Analyte Symbol	Al2O3	Ba	Be	CaO	Fe2O3(T)	K2O	MgO	MnO	Na2O	P2O5	SiO2	Sr	TiO2	V	Y	Zr	Au	Ag	As	Ba	Br	Co	Cr
Unit Symbol	%	ppm	ppm	%	%	%	%	%	%	%	%	ppm	%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	2	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	2	0.005	5	1	2	5	5	2	50	1	1	1
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA
NIST 694 Meas	1.86			42.55	0.73	0.57	0.33	0.01	0.85	30.21	11.63		0.121	1671									
NIST 694 Cert	1.80			43.6	0.790	0.510	0.330	0.0116	0.860	30.2	11.2		0.110	1740									
NIST 694 Meas	1.86			42.55	0.73	0.57	0.33	0.01	0.85	30.21	11.63		0.120	1671									
NIST 694 Cert	1.80			43.6	0.790	0.510	0.330	0.0116	0.860	30.2	11.2		0.110	1740									
DNC-1 Meas	18.17	106		11.59	10.07	0.23	10.03	0.15	1.89	0.07	47.91	145	0.497	153	16	35							
DNC-1 Cert	18.34	118		11.49	9.97	0.234	10.13	0.150	1.890	0.070	47.15	144.0	0.480	148	18.0	38							
DNC-1 Meas	18.17	106		11.59	10.07	0.23	10.03	0.15	1.89	0.07	47.91	145	0.500	153	16	35							
DNC-1 Cert	18.34	118		11.49	9.97	0.234	10.13	0.150	1.890	0.070	47.15	144.0	0.480	148	18.0	38							
GBW 07113 Meas	13.03	491	4	0.60	3.28	5.37	0.14	0.15	2.45	0.05	71.32	40	0.295	< 5	46	382							
GBW 07113 Cert	13.0	506	4.00	0.590	3.21	5.43	0.160	0.140	2.57	0.0500	72.8	43.0	0.300	5.00	43.0	403							
GBW 07113 Meas	13.03	491	4	0.60	3.28	5.37	0.14	0.15	2.45	0.05	71.32	40	0.300	< 5	46	382							
GBW 07113 Cert	13.0	506	4.00	0.590	3.21	5.43	0.160	0.140	2.57	0.0500	72.8	43.0	0.300	5.00	43.0	403							
W-2a Meas	15.61	180	< 1	11.20	10.84	0.62	6.21	0.17	2.22	0.13	52.47	191	1.112	277	19	89							
W-2a Cert	15.4	182	1.30	10.9	10.7	0.626	6.37	0.163	2.14	0.140	52.4	190	1.06	262	24.0	94.0							
W-2a Meas	15.61	180	< 1	11.20	10.84	0.62	6.21	0.17	2.22	0.13	52.47	191	1.110	277	19	89							
W-2a Cert	15.4	182	1.30	10.9	10.7	0.626	6.37	0.163	2.14	0.140	52.4	190	1.06	262	24.0	94.0							
SY-4 Meas	20.53	356	3	8.13	6.14	1.68	0.49	0.11	7.03	0.13	49.97	1204	0.293	8	120	549							
SY-4 Cert	20.69	340	2.6	8.05	6.21	1.66	0.54	0.108	7.10	0.131	49.9	1191	0.287	8.0	119	517							
SY-4 Meas	20.53	356	3	8.13	6.14	1.68	0.49	0.11	7.03	0.13	49.97	1204	0.290	8	120	549							
SY-4 Cert	20.69	340	2.6	8.05	6.21	1.66	0.54	0.108	7.10	0.131	49.9	1191	0.287	8.0	119	517							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
BIR-1a Meas	15.63	9	< 1	13.78	11.58	0.02	9.55	0.17	1.80	0.02	50.85	108	0.993	338	14	15							
BIR-1a Cert	15.50	6	0.58	13.30	11.30	0.030	9.700	0.175	1.82	0.021	47.96	110	0.96	310	16	18							
BIR-1a Meas	15.63	9	< 1	13.78	11.58	0.02	9.55	0.17	1.80	0.02	50.85	108	0.990	338	14	15							
BIR-1a Cert	15.50	6	0.58	13.30	11.30	0.030	9.700	0.175	1.82	0.021	47.96	110	0.96	310	16	18							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 905 (INAA) Meas																	435		39	2450			15
OREAS 905																	391		36.2	2800			15.3

Analyte Symbol	Al2O3	Ba	Be	CaO	Fe2O3(T)	K2O	MgO	MnO	Na2O	P2O5	SiO2	Sr	TiO2	V	Y	Zr	Au	Ag	As	Ba	Br	Co	Cr
Unit Symbol	%	ppm	ppm	%	%	%	%	%	%	%	%	ppm	%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.01	2	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	2	0.005	5	1	2	5	5	2	50	1	1	1
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA
(INAA) Cert																							
OREAS 905 (INAA) Meas																					2700		
OREAS 905 (INAA) Cert																					2800		
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 923 (4 Acid) Meas																							
OREAS 923 (4 Acid) Cert																							
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 681 (4 Acid) Meas																							
OREAS 681 (4 Acid) Cert																							
L902756 Orig																							
L902756 Dup																							
Method Blank																							
Method Blank																							
Method Blank	< 0.01	< 2	< 1	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 2	< 0.005	< 5	< 1	3							
Method Blank	< 0.01	< 2	< 1	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.01	< 0.01	< 2	< 0.005	< 5	< 1	3							
Method Blank																	< 5	< 5	< 2	< 50	< 1	< 1	< 1
Method Blank																		< 5		< 50			
Method Blank																							

Analyte Symbol	Cs	Hf	Hg	Ir	Rb	Sb	Sc	Se	Ta	Th	U	W	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Ag	Bi
Unit Symbol	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm
Lower Limit	0.5	0.5	1	5	20	0.2	0.1	3	1	0.5	0.5	3	0.2	3	5	0.1	0.1	0.5	0.1	0.05		0.5	2
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	TD-ICP	TD-ICP
NIST 694 Meas																							
NIST 694 Cert																							
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
W-2a Meas																							
W-2a Cert																							
W-2a Meas																							
W-2a Cert																							
SY-4 Meas																							
SY-4 Cert																							
SY-4 Meas																							
SY-4 Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 13b (4-Acid) Meas																							0.9
OREAS 13b (4-Acid) Cert																							0.86
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 905 (INAA) Meas	9.0	7.2			150	2.0			< 1	16.6	5.6	< 3	46.8	94	45	7.1	1.4	< 0.5	0.4				
OREAS 905 (INAA) Cert	7.10	7.26			137	1.96			1.38	14.7	5.00	3.02	48.0	96.0	40.5	7.64	1.46	0.810	0.760				
OREAS 905											4.9												

Analyte Symbol	Cs	Hf	Hg	Ir	Rb	Sb	Sc	Se	Ta	Th	U	W	La	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Mass	Ag	Bi
Unit Symbol	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	g	ppm	ppm
Lower Limit	0.5	0.5	1	5	20	0.2	0.1	3	1	0.5	0.5	3	0.2	3	5	0.1	0.1	0.5	0.1	0.05		0.5	2
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	TD-ICP	TD-ICP
(INAA) Meas																							
OREAS 905 (INAA) Cert											5.00												
OREAS 96 (4 Acid) Meas																						11.8	21
OREAS 96 (4 Acid) Cert																						11.5	26.3
OREAS 923 (4 Acid) Meas																						2.1	15
OREAS 923 (4 Acid) Cert																						1.60	21.4
OREAS 621 (4 Acid) Meas																						71.9	< 2
OREAS 621 (4 Acid) Cert																						69.0	3.93
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 681 (4 Acid) Meas																						< 0.5	< 2
OREAS 681 (4 Acid) Cert																						0.118	0.0980
L902756 Orig																							
L902756 Dup																							
Method Blank																						< 0.5	< 2
Method Blank																						< 0.5	< 2
Method Blank																							
Method Blank																							
Method Blank	< 0.5	< 0.5	< 1	< 5	< 20	< 0.2	< 0.1	< 3	< 1	< 0.5	< 0.5	< 3	< 0.2	< 3	< 5	< 0.1	< 0.1	< 0.5	< 0.1	< 0.05	1.000		
Method Blank							< 0.1	< 3			< 0.5												
Method Blank																							

Analyte Symbol	Cd	Cu	Mo	Ni	Pb	S	Zn	Au	Ni	Zn	As	Br	Co	Cr	Cs	Fe	Hf	Na	Sb	Ta	Th	W	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	g
Lower Limit	0.5	1	2	1	5	0.001	1	2	20	50	0.5	0.5	1	2	1	0.01	1	0.01	0.1	0.5	0.2	1	
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
NIST 694 Meas																							
NIST 694 Cert																							
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
W-2a Meas																							
W-2a Cert																							
W-2a Meas																							
W-2a Cert																							
SY-4 Meas																							
SY-4 Cert																							
SY-4 Meas																							
SY-4 Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 13b (4-Acid) Meas		2410	8	2110		1.10	116																
OREAS 13b (4-Acid) Cert		2327.0 000	9.0	2247.0 000		1.2	133																
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 905 (INAA) Meas								397		100	35.6		16		10	4.23	7		2.0	< 0.5	14.1	< 1	
OREAS 905 (INAA) Cert								391		139	36.2		15.3		7.10	4.23	7.26		1.96	1.38	14.7	3.02	
OREAS 905																							

Analyte Symbol	Cd	Cu	Mo	Ni	Pb	S	Zn	Au	Ni	Zn	As	Br	Co	Cr	Cs	Fe	Hf	Na	Sb	Ta	Th	W	Mass	
Unit Symbol	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	g	
Lower Limit	0.5	1	2	1	5	0.001	1	2	20	50	0.5	0.5	1	2	1	0.01	1	0.01	0.1	0.5	0.2	1		
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	
(INAA) Meas																								
OREAS 905 (INAA) Cert																								
OREAS 96 (4 Acid) Meas		> 10000			99	4.09	458																	
OREAS 96 (4 Acid) Cert		39300			101	4.19	457																	
OREAS 923 (4 Acid) Meas	< 0.5	4300	< 2	40	84	0.699	355																	
OREAS 923 (4 Acid) Cert	0.420	4230	0.930	35.8	83.0	0.691	345																	
OREAS 621 (4 Acid) Meas	282	3740	12	29	> 5000	4.58	> 10000																	
OREAS 621 (4 Acid) Cert	284	3630	13.6	26.2	13600	4.48	52200																	
OREAS 522 (4 Acid) Meas																								
OREAS 522 (4 Acid) Cert																								
Oreas 77b (4 Acid Digest) Meas																								
Oreas 77b (4 Acid Digest) Cert																								
OREAS 681 (4 Acid) Meas		261	< 2	450	7	0.101	77																	
OREAS 681 (4 Acid) Cert		264	1.38	503	10.2	0.109	88.0																	
L902756 Orig																								
L902756 Dup																								
Method Blank	< 0.5	< 1	< 2	< 1	< 5	0.002	< 1																	
Method Blank	< 0.5	< 1	< 2	< 1	< 5	0.002	< 1																	
Method Blank																								
Method Blank																								
Method Blank								< 2	< 20	< 50	< 0.5	< 0.5	< 1	< 2	< 1	< 0.01	< 1	< 0.01	< 0.1	< 0.5	< 0.2	< 1	30.0	
Method Blank																								

Analyte Symbol	Ag	Cu	Cd	Mn	Pb	Ni	Zn	Ba	Be	Bi	Ca	Co	Cs	Eu	Ga	Ge	In	Li	Mg	Nb	Mo	Rb	Re
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.2	0.1	1	0.5	0.5	0.5	1	0.1	0.02	0.01	0.1	0.05	0.05	0.1	0.1	0.1	0.5	0.01	0.1	0.05	0.2	0.001
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
NIST 694 Meas																							
NIST 694 Cert																							
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
W-2a Meas																							
W-2a Cert																							
W-2a Meas																							
W-2a Cert																							
SY-4 Meas																							
SY-4 Cert																							
SY-4 Meas																							
SY-4 Cert																							
Oreas 72a (4 Acid Digest) Meas		271				> 5000						130											
Oreas 72a (4 Acid Digest) Cert		316				6930.000						157											
BIR-1a Meas																							
BIR-1a Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
OREAS 101b (4 Acid) Meas		404		952	23.8	9.7						43.7		7.95					1.24		19.0		
OREAS 101b (4 Acid) Cert		412		927	23	8.2						45		8.1					1.23		20.1		
OREAS 98 (4 Acid) Meas	41.4	> 10000			329		1180			96.2		103											
OREAS 98 (4 Acid) Cert	45.1	14800.0			345		1360			97.2		121											
OREAS 13b (4-Acid) Meas	0.89	2300				2460	138					73.6									9.14		
OREAS 13b (4-Acid) Cert	0.86	2327.000				2247.000	133					75									9.0		
OREAS 904 (4 ACID) Meas	0.53	5790		387	10.6	39.8	22.9	135	8.2	4.08	0.04	80.0	3.39		15.6	< 0.1	0.2	16.7	0.55		2.06	50.9	
OREAS 904 (4 ACID) Cert	0.551	6120		410	10.6	40.1	26.3	194	7.86	4.05	0.0460	83.0	3.79		16.7	0.180	0.220	16.7	0.556		2.12	130	
SBC-1 Meas		27.4	0.3		35.4	78.2	166	507	2.9	0.67		18.7	7.12	1.82	21.3			164		14.4	1.91	133	
SBC-1 Cert		31.0	0.40		35.0	82.8	186	788.0	3.20	0.70		22.7	8.2	1.98	27.0			163		15.3	2.40	147	
OREAS 45d (4-Acid) Meas		363		486	21.7	237	42.5	182	0.7	0.31	0.18	27.6	3.58	0.63	21.2		< 0.1	22.0	0.19	< 0.1	0.16	45.4	
OREAS 45d (4-Acid) Cert		371		490.000	21.8	231.0	45.7	183.0	0.79	0.31	0.185	29.50	3.910	0.57	21.20		0.096	21.5	0.245	14.50	2.500	42.1	
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 905																							

Analyte Symbol	Ag	Cu	Cd	Mn	Pb	Ni	Zn	Ba	Be	Bi	Ca	Co	Cs	Eu	Ga	Ge	In	Li	Mg	Nb	Mo	Rb	Re
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.2	0.1	1	0.5	0.5	0.5	1	0.1	0.02	0.01	0.1	0.05	0.05	0.1	0.1	0.1	0.5	0.01	0.1	0.05	0.2	0.001
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
(INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 923 (4 Acid) Meas																							
OREAS 923 (4 Acid) Cert																							
OREAS 621 (4 Acid) Meas	60.0	3010	272	437	> 5000	23.1	> 10000		1.5	3.99	1.68	25.3	2.81		21.0		1.6	13.5	0.32	7.9	12.3	83.6	
OREAS 621 (4 Acid) Cert	69.0	3630	284	532	13600	26.2	52200		1.69	3.93	1.97	29.3	3.28		24.6		1.83	14.2	0.507	8.61	13.6	84.0	
OREAS 522 (4 Acid) Meas	1.27	8740		4040	8.2	72.7	30.2		0.6	9.21	3.50	546	0.58	1.86	15.7		0.2	14.8	1.10	0.9	181	82.1	0.102
OREAS 522 (4 Acid) Cert	1.31	9160		3970	12.5	70.0	30.2		0.700	8.72	3.65	550	0.640	1.88	16.0		0.230	16.2	1.12	5.66	206	82.0	0.0980
Oreas 77b (4 Acid Digest) Meas	1.45	2730	1.1	572	57.6	> 5000	182	13	0.3	3.38	2.38	1340	1.94		3.8		0.1	14.1	1.98	2.7		18.5	0.021
Oreas 77b (4 Acid Digest) Cert	1.62	3430	1.20	640	61.0	113000	205	118	0.470	3.44	3.06	1550	2.32		4.61		0.112	18.8	2.59	3.26		19.1	0.0220
OREAS 681 (4 Acid) Meas																							
OREAS 681 (4 Acid) Cert																							
L902756 Orig	1.64	324	0.5	1880	6.6	114	83.9	253	0.7	0.03	0.17	54.9	2.06	0.72	15.8	0.3	< 0.1	16.7	1.15	< 0.1	0.07	48.7	< 0.001
L902756 Dup	1.17	326	0.7	1880	6.5	114	82.2	242	0.8	0.03	0.17	53.9	1.99	0.70	15.3	0.2	< 0.1	16.7	1.12	< 0.1	0.06	37.9	< 0.001
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.05	< 0.2	< 0.1	2	< 0.5	< 0.5	< 0.5	< 1	< 0.1	< 0.02	< 0.01	< 0.1	< 0.05	< 0.05	0.2	< 0.1	< 0.1	< 0.5	< 0.01	< 0.1	0.21	< 0.2	< 0.001

Analyte Symbol	Se	Sn	Sr	Ta	Te	Th	Tl	U	V	Y	Zr	La	K	Ce	Pr	Nd	Sm	Gd	Dy	Tb	Ho	Hg	Er
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm
Lower Limit	0.1	1	0.2	0.1	0.1	0.1	0.05	0.1	1	0.1	1	0.1	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	10	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
NIST 694 Meas																							
NIST 694 Cert																							
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
W-2a Meas																							
W-2a Cert																							
W-2a Meas																							
W-2a Cert																							
SY-4 Meas																							
SY-4 Cert																							
SY-4 Meas																							
SY-4 Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
OREAS 101b (4 Acid) Meas						36.6		394	73	125		762	1.54	1360	118	385	51.6	38.0	25.1	4.8	5.5		14.7
OREAS 101b (4 Acid) Cert						36.4		387	77	133		754	2.36	1325	127	388	48	40	27	5.4	5.2		15
OREAS 98 (4 Acid) Meas	149	197																					
OREAS 98 (4 Acid) Cert	158	206																					
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 904 (4 ACID) Meas	1.9	2	24.5	< 0.1		14.3	0.54	8.2	71	28.7	7	41.5	0.85	84.7						1.0			
OREAS 904 (4 ACID) Cert	3.30	2.83	27.2	0.540		14.3	0.520	8.43	76.0	31.5	171	43.2	3.31	86.0						1.00			
SBC-1 Meas		3	156	1.1		14.1	0.86	5.2	194	25.9	96	43.7		96.1	11.3	44.6	9.1	7.4	5.9	1.1	1.2		3.4
SBC-1 Cert		3.3	178.0	1.10		15.8	0.89	5.76	220.0	36.5	134.0	52.5		108.0	12.6	49.2	9.6	8.5	7.10	1.20	1.40		3.80
OREAS 45d (4-Acid) Meas		< 1	27.4	< 0.1		12.6	0.26	2.6	99	9.8	70	16.2	0.49	35.6	3.8	14.1	2.9	2.4	2.2	0.4	0.5		1.5
OREAS 45d (4-Acid) Cert		2.78	31.30	1.02		14.5	0.27	2.63	235.0	9.53	141	16.9	0.412	37.20	3.70	13.4	2.80	2.42	2.26	0.400	0.46		1.38
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 905																							

Analyte Symbol	Se	Sn	Sr	Ta	Te	Th	Tl	U	V	Y	Zr	La	K	Ce	Pr	Nd	Sm	Gd	Dy	Tb	Ho	Hg	Er
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm
Lower Limit	0.1	1	0.2	0.1	0.1	0.1	0.05	0.1	1	0.1	1	0.1	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	10	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
(INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 923 (4 Acid) Meas																							
OREAS 923 (4 Acid) Cert																							
OREAS 621 (4 Acid) Meas	4.7	5	53.8			3.8	2.00	2.5	27	9.1	125	14.9	2.27	39.4						0.5			
OREAS 621 (4 Acid) Cert	5.64	5.25	91.0			7.48	1.96	2.83	31.8	11.1	168	21.6	2.20	46.6						0.460			
OREAS 522 (4 Acid) Meas	1.3	8	63.2	< 0.1	0.2	1.6	0.30	42.8	141	16.9	104	72.9	2.81	98.5	8.3	25.7	4.0	4.3	3.2	0.6	0.7		2.0
OREAS 522 (4 Acid) Cert	2.74	9.32	199	0.440	1.14	7.53	0.290	42.2	164	18.5	112	171	2.83	148	9.76	27.2	4.17	3.87	3.24	0.590	0.660		1.97
Oreas 77b (4 Acid Digest) Meas		1	31.6	0.3	1.3	5.6	1.40	1.6	25	5.7	32	13.1	0.32	24.8									
Oreas 77b (4 Acid Digest) Cert		1.59	34.4	0.280	1.35	6.61	1.37	1.71	33.6	6.55	37.9	15.8	0.361	27.7									
OREAS 681 (4 Acid) Meas																							
OREAS 681 (4 Acid) Cert																							
L902756 Orig	0.2	10	14.3	< 0.1	< 0.1	0.3	0.55	< 0.1	131	9.6	8	2.8	1.37	7.5	1.1	5.6	1.9	2.1	2.0	0.4	0.5	80	1.4
L902756 Dup	0.3	4	10.8	< 0.1	< 0.1	0.3	0.56	< 0.1	158	9.1	14	2.8	0.97	7.4	1.1	5.5	1.7	1.9	1.9	0.3	0.4	70	1.2
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	0.1	< 1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	1	< 0.1	< 1	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	70	< 0.1

Analyte Symbol	Tm	Yb	Lu
Unit Symbol	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS
NIST 694 Meas			
NIST 694 Cert			
NIST 694 Meas			
NIST 694 Cert			
DNC-1 Meas			
DNC-1 Cert			
DNC-1 Meas			
DNC-1 Cert			
GBW 07113 Meas			
GBW 07113 Cert			
GBW 07113 Meas			
GBW 07113 Cert			
W-2a Meas			
W-2a Cert			
W-2a Meas			
W-2a Cert			
SY-4 Meas			
SY-4 Cert			
SY-4 Meas			
SY-4 Cert			
Oreas 72a (4 Acid Digest) Meas			
Oreas 72a (4 Acid Digest) Cert			
BIR-1a Meas			
BIR-1a Cert			
BIR-1a Meas			
BIR-1a Cert			
OREAS 101b (4 Acid) Meas	2.0	12.9	1.8
OREAS 101b (4 Acid) Cert	2.08	13.9	1.96
OREAS 98 (4 Acid) Meas			
OREAS 98 (4 Acid) Cert			
OREAS 13b (4-Acid) Meas			
OREAS 13b (4-Acid) Cert			
OREAS 904 (4 ACID) Meas		3.0	0.4
OREAS 904 (4 ACID) Cert		3.14	0.470
SBC-1 Meas	0.5	3.1	0.5
SBC-1 Cert	0.56	3.64	0.54
OREAS 45d (4-Acid) Meas		1.4	0.2
OREAS 45d (4-Acid) Cert		1.33	0.18
OREAS 905 (INAA) Meas			
OREAS 905 (INAA) Cert			
OREAS 905			

Analyte Symbol	Tm	Yb	Lu
Unit Symbol	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS
(INAA) Meas			
OREAS 905 (INAA) Cert			
OREAS 96 (4 Acid) Meas			
OREAS 96 (4 Acid) Cert			
OREAS 923 (4 Acid) Meas			
OREAS 923 (4 Acid) Cert			
OREAS 621 (4 Acid) Meas		0.9	0.1
OREAS 621 (4 Acid) Cert		0.990	0.140
OREAS 522 (4 Acid) Meas	0.3	1.9	0.3
OREAS 522 (4 Acid) Cert	0.280	1.97	0.310
Oreas 77b (4 Acid Digest) Meas			
Oreas 77b (4 Acid Digest) Cert			
OREAS 681 (4 Acid) Meas			
OREAS 681 (4 Acid) Cert			
L902756 Orig	0.2	1.3	0.2
L902756 Dup	0.2	1.3	0.2
Method Blank			
Method Blank			
Method Blank			
Method Blank			
Method Blank			
Method Blank			
Method Blank	< 0.1	< 0.1	< 0.1



Report No.: A20-13817-Final2
 Report Date: 25-Feb-21
 Date Submitted: 30-Oct-20
 Your Reference:

Platinex Inc.
 807 William Roe Blvd,
 Newmarket ON L3Y 5V6 Canada

ATTN: David Jamieson

CERTIFICATE OF ANALYSIS

108 Crushed Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
4E-Expl (1-10)	QOP INAAGEO/QOP WRA/QOP Total (INAA/Major Elements Fusion ICPOES/Total Digestion ICPOES)	2021-01-20 12:41:03
UT-5	QOP INAAGEO/QOP Ultratrace- 4acid Digest (INAA/Total Digestion ICPMS)	2021-01-18 13:18:29

REPORT **A20-13817-Final2**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Total includes all elements in % oxide to the left of total. Values above the upper limit should be assayed for most accurate values.

Unaltered silicates and resistate minerals may not be dissolved. Values which exceed upper limit should be assayed.

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
 Quality Control Coordinator

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 E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Report No.: A20-13817-Final2
Report Date: 25-Feb-21
Date Submitted: 30-Oct-20
Your Reference:

Platinex Inc.
807 William Roe Blvd,
Newmarket ON L3Y 5V6 Canada

ATTN: David Jamieson

CERTIFICATE OF ANALYSIS

108 Crushed Rock samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2B-30-Geraldton	QOP AA-Au (Au - Fire Assay AA)	

REPORT **A20-13817-Final2**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

Total includes all elements in % oxide to the left of total. Values above the upper limit should be assayed for most accurate values.

Unaltered silicates and resistate minerals may not be dissolved. Values which exceed upper limit should be assayed.

CERTIFIED BY:



Emmanuel Esemé , Ph.D.
Quality Control Coordinator

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Results

Activation Laboratories Ltd.

Report: A20-13817

Analyte Symbol	LOI	Au	Ag	As	Ba	Br	Co	Cr	Cs	Hf	Hg	Ir	Rb	Sb	Sc	Se	Ta	Th	U	W	La	Ce	Nd
Unit Symbol	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit		5	0.5	2	3	1	1	1	0.5	0.5	1	5	20	0.2	0.1	3	1	0.5	0.5	3	0.2	3	5
Method Code	GRAV	INAA	MULT INAA / TD-ICP	INAA	MULT I NAA/F USICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
L903319	10.99	< 5	< 0.5	3	32	< 1	46	90	< 0.5	0.6	< 1	< 5	< 20	0.3	39.2	< 3	< 1	< 0.5	< 0.5	< 3	2.3	3	< 5
L903345															12.2								
L860539	12.91	< 5	< 0.5	4	185	< 1	47	124	< 0.5	< 0.5	< 1	< 5	50	0.5	39.2	< 3	< 1	< 0.5	< 0.5	< 3	2.3	< 3	< 5
L860544											< 1				31.5								
L860551															24.7								

Results

Activation Laboratories Ltd.

Report: A20-13817

Analyte Symbol	Sm	Eu	Tb	Yb	Lu	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Total	Be	Sr	V	Y	Zr	Bi	Cd
Unit Symbol	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.5	0.1	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	0.01	1	2	5	1	2	2	0.5
Method Code	INAA	INAA	INAA	INAA	INAA	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	TD-ICP	TD-ICP
L903319	2.0	0.6	< 0.5	2.1	0.20	45.79	13.05	12.21	0.20	5.86	6.91	3.56	0.12	0.873	0.08	99.64	< 1	73	273	17	48	< 2	< 0.5
L903345																							
L860539	1.6	0.5	< 0.5	2.0	0.26	44.98	13.56	11.04	0.18	5.52	7.43	1.03	2.29	0.742	0.05	99.74	< 1	54	255	14	40	< 2	< 0.5
L860544																							
L860551																							

Results

Activation Laboratories Ltd.

Report: A20-13817

Analyte Symbol	Cu	Mo	Ni	Pb	S	Zn	Au	Ag	Ni	Zn	As	Ba	Br	Co	Cr	Cs	Fe	Hf	Na	Sb	Se	Ta	Th
Unit Symbol	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	1	2	1	5	0.001	1	2	0.05	0.5	0.5	0.5	1	0.5	0.1	2	0.05	0.01	1	0.01	0.1	0.1	0.1	0.1
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA	MULT I NAA/T D-ICP- MS	MULT I NAA/T D-ICP- MS	MULT I NAA/T D-ICP- MS	INAA	MULT I NAA/T D-ICP- MS	INAA	MULT I NAA/T D-ICP- MS	INAA	MULT I NAA/T D-ICP- MS	INAA	INAA	INAA	INAA	MULT I NAA/T D-ICP- MS	MULT I NAA/T D-ICP- MS	MULT I NAA/T D-ICP- MS
L903319	99	< 2	53	< 5	0.090	70																	
L903345							1430	0.56	24.4	39.0	31.5	63	< 0.5	17.5	27	0.44	4.27	< 1	0.13	0.4	< 0.1	< 0.1	< 0.1
L860539	82	< 2	78	< 5	0.057	74																	
L860544							362	< 0.05	14.6	128	109	101	< 0.5	51.4	5	1.02	10.2	1	1.32	< 0.1	0.6	< 0.1	0.3
L860551							2640	0.63	57.5	49.8	127	188	1.0	31.2	64	1.37	6.26	< 1	0.23	0.4	0.3	< 0.1	0.3

Results

Activation Laboratories Ltd.

Report: A20-13817

Analyte Symbol	U	W	Mass	Cu	Cd	Mn	Pb	Be	Bi	Ca	Eu	Ga	Ge	In	Li	Mg	Nb	Mo	Rb	Re	Sn	Sr	Te
Unit Symbol	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	1		0.2	0.1	1	0.5	0.1	0.02	0.01	0.05	0.1	0.1	0.1	0.5	0.01	0.1	0.05	0.2	0.001	1	0.2	0.1
Method Code	MULT I NAA/T D-ICP- MS	INAA	INAA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
L903319			1.526																				
L903345	< 0.1	9	35.6	39.9	< 0.1	839	1.2	0.3	< 0.02	4.62	0.39	5.1	< 0.1	< 0.1	5.0	1.68	0.5	0.45	22.3	< 0.001	< 1	46.8	< 0.1
L860539			1.530																				
L860544	< 0.1	31	29.5	240	0.2	1510	1.3	0.6	< 0.02	4.70	0.59	18.5	0.3	< 0.1	34.5	3.28	0.2	0.06	45.0	< 0.001	< 1	39.5	< 0.1
L860551	< 0.1	17	35.3	90.6	0.2	1090	2.1	0.6	< 0.02	0.83	0.49	11.0	0.1	< 0.1	8.3	0.71	1.0	0.32	64.3	< 0.001	< 1	16.4	< 0.1

Analyte Symbol	Tl	V	Y	Zr	La	K	Ce	Pr	Nd	Sm	Gd	Dy	Tb	Ho	Er	Tm	Yb	Lu
Unit Symbol	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.05	1	0.1	1	0.1	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
L903319																		
L903345	0.13	93	4.8	12	1.1	0.67	3.1	0.4	2.1	1.0	0.9	1.0	0.2	0.2	0.4	< 0.1	0.6	< 0.1
L860539																		
L860544	0.25	238	10.5	48	3.9	1.32	10.6	1.6	7.9	2.4	2.3	2.2	0.3	0.5	1.5	0.2	1.5	0.2
L860551	0.39	192	8.3	31	2.6	1.78	5.3	0.9	4.6	1.6	1.5	1.6	0.3	0.3	1.0	0.2	1.0	0.1

Analyte Symbol	Au	Ag	As	Ba	Br	Co	Cr	Cs	Hf	Hg	Ir	Rb	Sb	Sc	Se	Ta	Th	U	W	La	Ce	Nd	Sm
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	5	2	50	1	1	1	0.5	0.5	1	5	20	0.2	0.1	3	1	0.5	0.5	3	0.2	3	5	0.1
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
NIST 694 Meas																							
NIST 694 Cert																							
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
W-2a Meas																							
W-2a Cert																							
W-2a Meas																							
W-2a Cert																							
SY-4 Meas																							
SY-4 Cert																							
SY-4 Meas																							
SY-4 Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
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OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							

Analyte Symbol	Au	Ag	As	Ba	Br	Co	Cr	Cs	Hf	Hg	Ir	Rb	Sb	Sc	Se	Ta	Th	U	W	La	Ce	Nd	Sm
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	5	2	50	1	1	1	0.5	0.5	1	5	20	0.2	0.1	3	1	0.5	0.5	3	0.2	3	5	0.1
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
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SBC-1 Meas																							
SBC-1 Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 905 (INAA) Meas	381		33	2540		16		8.0	7.7			150	1.4			< 1	14.6	5.1	< 3	46.6	88	54	7.8
OREAS 905 (INAA) Cert	391		36.2	2800		15.3		7.10	7.26			137	1.96			1.38	14.7	5.00	3.02	48.0	96.0	40.5	7.64
OREAS 905 (INAA) Meas				2220														5.5					
OREAS 905 (INAA) Cert				2800														5.00					
OREAS 905 (INAA) Meas				2270														4.8					
OREAS 905 (INAA) Cert				2800														5.00					
OREAS 96 (4 Acid) Meas																							

Analyte Symbol	Au	Ag	As	Ba	Br	Co	Cr	Cs	Hf	Hg	Ir	Rb	Sb	Sc	Se	Ta	Th	U	W	La	Ce	Nd	Sm
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	5	2	50	1	1	1	0.5	0.5	1	5	20	0.2	0.1	3	1	0.5	0.5	3	0.2	3	5	0.1
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
OREAS 96 (4 Acid) Cert																							
OREAS 96 (4 Acid) Meas																							
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OREAS 621 (4 Acid) Meas																							
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OREAS 522 (4 Acid) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 681 (4 Acid) Meas																							
OREAS 681 (4 Acid) Cert																							

Analyte Symbol	Au	Ag	As	Ba	Br	Co	Cr	Cs	Hf	Hg	Ir	Rb	Sb	Sc	Se	Ta	Th	U	W	La	Ce	Nd	Sm
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	5	2	50	1	1	1	0.5	0.5	1	5	20	0.2	0.1	3	1	0.5	0.5	3	0.2	3	5	0.1
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 5	< 5	< 2	< 50	< 1	< 1	< 1	< 0.5	< 0.5	< 1	< 5	< 20	< 0.2	< 0.1	< 3	< 1	< 0.5	< 0.5	< 3	< 0.2	< 3	< 5	< 0.1
Method Blank		< 5		< 50										< 0.1	< 3			< 0.5					
Method Blank																							
Method Blank																							
Method Blank		< 5		< 50						< 1				< 0.1	< 3			< 0.5					

Analyte Symbol	Eu	Tb	Yb	Lu	Mass	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Ba	Be	Sr	V	Y	Zr	Ag	Bi
Unit Symbol	ppm	ppm	ppm	ppm	g	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.5	0.1	0.05		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	2	1	2	5	1	2	0.5	2
Method Code	INAA	INAA	INAA	INAA	INAA	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	TD-ICP	TD-ICP
NIST 694 Meas						11.63	1.86	0.73	0.01	0.33	42.55	0.85	0.57	0.121	30.21				1671				
NIST 694 Cert						11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2				1740				
NIST 694 Meas						11.63	1.86	0.73	0.01	0.33	42.55	0.85	0.57	0.120	30.21				1671				
NIST 694 Cert						11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2				1740				
DNC-1 Meas						47.91	18.17	10.07	0.15	10.03	11.59	1.89	0.23	0.497	0.07	106		145	153	16	35		
DNC-1 Cert						47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070	118		144.0	148	18.0	38		
DNC-1 Meas						47.91	18.17	10.07	0.15	10.03	11.59	1.89	0.23	0.500	0.07	106		145	153	16	35		
DNC-1 Cert						47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070	118		144.0	148	18.0	38		
GBW 07113 Meas						71.32	13.03	3.28	0.15	0.14	0.60	2.45	5.37	0.295	0.05	491	4	40	< 5	46	382		
GBW 07113 Cert						72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500	506	4.00	43.0	5.00	43.0	403		
GBW 07113 Meas						71.32	13.03	3.28	0.15	0.14	0.60	2.45	5.37	0.300	0.05	491	4	40	< 5	46	382		
GBW 07113 Cert						72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500	506	4.00	43.0	5.00	43.0	403		
W-2a Meas						52.47	15.61	10.84	0.17	6.21	11.20	2.22	0.62	1.112	0.13	180	< 1	191	277	19	89		
W-2a Cert						52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.140	182	1.30	190	262	24.0	94.0		
W-2a Meas						52.47	15.61	10.84	0.17	6.21	11.20	2.22	0.62	1.110	0.13	180	< 1	191	277	19	89		
W-2a Cert						52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.140	182	1.30	190	262	24.0	94.0		
SY-4 Meas						49.97	20.53	6.14	0.11	0.49	8.13	7.03	1.68	0.293	0.13	356	3	1204	8	120	549		
SY-4 Cert						49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131	340	2.6	1191	8.0	119	517		
SY-4 Meas						49.97	20.53	6.14	0.11	0.49	8.13	7.03	1.68	0.290	0.13	356	3	1204	8	120	549		
SY-4 Cert						49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131	340	2.6	1191	8.0	119	517		
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
BIR-1a Meas						50.85	15.63	11.58	0.17	9.55	13.78	1.80	0.02	0.993	0.02	9	< 1	108	338	14	15		
BIR-1a Cert						47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021	6	0.58	110	310	16	18		
BIR-1a Meas						50.85	15.63	11.58	0.17	9.55	13.78	1.80	0.02	0.990	0.02	9	< 1	108	338	14	15		
BIR-1a Cert						47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021	6	0.58	110	310	16	18		
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 98 (4																							

Analyte Symbol	Eu	Tb	Yb	Lu	Mass	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Ba	Be	Sr	V	Y	Zr	Ag	Bi
Unit Symbol	ppm	ppm	ppm	ppm	g	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.5	0.1	0.05		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	2	1	2	5	1	2	0.5	2
Method Code	INAA	INAA	INAA	INAA	INAA	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	TD-ICP	TD-ICP
Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 13b (4-Acid) Meas																							0.9
OREAS 13b (4-Acid) Cert																							0.86
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
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SBC-1 Meas																							
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SBC-1 Meas																							
SBC-1 Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 905 (INAA) Meas		1.5	< 0.5	0.4																			
OREAS 905 (INAA) Cert		1.46	0.810	0.760																			
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 905 (INAA) Meas																							

Analyte Symbol	Eu	Tb	Yb	Lu	Mass	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Ba	Be	Sr	V	Y	Zr	Ag	Bi	
Unit Symbol	ppm	ppm	ppm	ppm	g	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Lower Limit	0.1	0.5	0.1	0.05		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	2	1	2	5	1	2	0.5	2	
Method Code	INAA	INAA	INAA	INAA	INAA	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	TD-ICP	TD-ICP	
OREAS 905 (INAA) Cert																								
OREAS 96 (4 Acid) Meas																							11.8	21
OREAS 96 (4 Acid) Cert																							11.5	26.3
OREAS 96 (4 Acid) Meas																								
OREAS 96 (4 Acid) Cert																								
OREAS 96 (4 Acid) Meas																								
OREAS 96 (4 Acid) Cert																								
OREAS 96 (4 Acid) Meas																								
OREAS 96 (4 Acid) Cert																								
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OREAS 96 (4 Acid) Meas																								
OREAS 96 (4 Acid) Cert																								
OREAS 96 (4 Acid) Meas																								
OREAS 96 (4 Acid) Cert																								
OREAS 923 (4 Acid) Meas																							2.1	15
OREAS 923 (4 Acid) Cert																							1.60	21.4
OREAS 923 (4 Acid) Meas																								
OREAS 923 (4 Acid) Cert																								
OREAS 621 (4 Acid) Meas																							71.9	< 2
OREAS 621 (4 Acid) Cert																							69.0	3.93
OREAS 621 (4 Acid) Meas																								
OREAS 621 (4 Acid) Cert																								
OREAS 522 (4 Acid) Meas																								
OREAS 522 (4 Acid) Cert																								
OREAS 522 (4 Acid) Meas																								
OREAS 522 (4 Acid) Cert																								
OREAS 522 (4 Acid) Meas																								
OREAS 522 (4 Acid) Cert																								
OREAS 77b (4 Acid Digest) Meas																								
OREAS 77b (4 Acid																								

Analyte Symbol	Eu	Tb	Yb	Lu	Mass	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Ba	Be	Sr	V	Y	Zr	Ag	Bi	
Unit Symbol	ppm	ppm	ppm	ppm	g	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.5	0.1	0.05		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	2	1	2	5	1	2	0.5	2	
Method Code	INAA	INAA	INAA	INAA	INAA	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	TD-ICP	TD-ICP	
Digest) Cert																								
OREAS 681 (4 Acid) Meas																							< 0.5	< 2
OREAS 681 (4 Acid) Cert																							0.118	0.0980
Method Blank																								
Method Blank																								
Method Blank																								
Method Blank																								
Method Blank																							< 0.5	< 2
Method Blank																							< 0.5	< 2
Method Blank						< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	0.01	< 2	< 1	< 2	< 5	< 1	3			
Method Blank						< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	0.01	< 2	< 1	< 2	< 5	< 1	3			
Method Blank	< 0.1	< 0.5	< 0.1	< 0.05	1.000																			
Method Blank																								
Method Blank																								
Method Blank																								
Method Blank																								

Analyte Symbol	Cd	Cu	Mo	Ni	Pb	S	Zn	Au	Ni	Zn	As	Br	Co	Cr	Cs	Fe	Hf	Na	Sb	Ta	Th	W	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	g
Lower Limit	0.5	1	2	1	5	0.001	1	2	20	50	0.5	0.5	1	2	1	0.01	1	0.01	0.1	0.5	0.2	1	
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
NIST 694 Meas																							
NIST 694 Cert																							
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
W-2a Meas																							
W-2a Cert																							
W-2a Meas																							
W-2a Cert																							
SY-4 Meas																							
SY-4 Cert																							
SY-4 Meas																							
SY-4 Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 101b (4 Acid) Meas																							
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OREAS 101b (4 Acid) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							

Analyte Symbol	Cd	Cu	Mo	Ni	Pb	S	Zn	Au	Ni	Zn	As	Br	Co	Cr	Cs	Fe	Hf	Na	Sb	Ta	Th	W	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	g
Lower Limit	0.5	1	2	1	5	0.001	1	2	20	50	0.5	0.5	1	2	1	0.01	1	0.01	0.1	0.5	0.2	1	
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 13b (4-Acid) Meas		2410	8	2110		1.10	116																
OREAS 13b (4-Acid) Cert		2327.0000	9.0	2247.0000		1.2	133																
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
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SBC-1 Meas																							
SBC-1 Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 905 (INAA) Meas								372		100	38.4		17		7	4.05	7		2.3	< 0.5	13.7	< 1	
OREAS 905 (INAA) Cert								391		139	36.2		15.3		7.10	4.23	7.26		1.96	1.38	14.7	3.02	
OREAS 905 (INAA) Meas								389		50	35.0		17		9	4.28	7		1.8	< 0.5	14.4	< 1	
OREAS 905 (INAA) Cert								391		139	36.2		15.3		7.10	4.23	7.26		1.96	1.38	14.7	3.02	
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 96 (4 Acid) Meas		> 10000				99	4.09	458															

Analyte Symbol	Cd	Cu	Mo	Ni	Pb	S	Zn	Au	Ni	Zn	As	Br	Co	Cr	Cs	Fe	Hf	Na	Sb	Ta	Th	W	Mass
Unit Symbol	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	g
Lower Limit	0.5	1	2	1	5	0.001	1	2	20	50	0.5	0.5	1	2	1	0.01	1	0.01	0.1	0.5	0.2	1	
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
OREAS 96 (4 Acid) Cert		39300			101	4.19	457																
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 96 (4 Acid) Meas																							
OREAS 923 (4 Acid) Meas	< 0.5	4300	< 2	40	84	0.699	355																
OREAS 923 (4 Acid) Cert	0.420	4230	0.930	35.8	83.0	0.691	345																
OREAS 923 (4 Acid) Meas																							
OREAS 923 (4 Acid) Cert																							
OREAS 621 (4 Acid) Meas	282	3740	12	29	> 5000	4.58	> 10000																
OREAS 621 (4 Acid) Cert	284	3630	13.6	26.2	13600	4.48	52200																
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 681 (4 Acid) Meas		261	< 2	450	7	0.101	77																
OREAS 681 (4 Acid) Cert		264	1.38	503	10.2	0.109	88.0																

Analyte Symbol	Ag	Cu	Cd	Mn	Pb	Ni	Zn	Ba	Be	Bi	Ca	Co	Cs	Eu	Ga	Ge	In	Li	Mg	Nb	Mo	Rb	Re
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.2	0.1	1	0.5	0.5	0.5	1	0.1	0.02	0.01	0.1	0.05	0.05	0.1	0.1	0.1	0.5	0.01	0.1	0.05	0.2	0.001
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
NIST 694 Meas																							
NIST 694 Cert																							
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
W-2a Meas																							
W-2a Cert																							
W-2a Meas																							
W-2a Cert																							
SY-4 Meas																							
SY-4 Cert																							
SY-4 Meas																							
SY-4 Cert																							
Oreas 72a (4 Acid Digest) Meas		294				> 5000						146											
Oreas 72a (4 Acid Digest) Cert		316				6930.00						157											
Oreas 72a (4 Acid Digest) Meas		351				> 5000						165											
Oreas 72a (4 Acid Digest) Cert		316				6930.00						157											
BIR-1a Meas																							
BIR-1a Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
OREAS 101b (4 Acid) Meas		429		918	22.3	9.6						45.7		7.55					1.23		18.9		
OREAS 101b (4 Acid) Cert		412		927	23	8.2						45		8.1					1.23		20.1		
OREAS 101b (4 Acid) Meas		400		934	23.5	9.2						44.7		7.53					1.14		18.9		
OREAS 101b (4 Acid) Cert		412		927	23	8.2						45		8.1					1.23		20.1		
OREAS 101b (4 Acid) Meas		450		933	22.7	9.7						49.7		6.92					1.21		19.5		
OREAS 101b (4 Acid) Cert		412		927	23	8.2						45		8.1					1.23		20.1		
OREAS 101b (4 Acid) Meas		457		909	24.8	9.1						47.8		6.94					1.20		18.7		
OREAS 101b (4 Acid) Cert		412		927	23	8.2						45		8.1					1.23		20.1		
OREAS 98 (4 Acid) Meas	45.9	> 10000			338		1310			102		129											
OREAS 98 (4 Acid) Cert	45.1	14800.0			345		1360			97.2		121											
OREAS 98 (4 Acid) Meas	41.9	> 10000			350		1280			97.2		120											
OREAS 98 (4 Acid) Cert	45.1	14800			345		1360			97.2		121											

Analyte Symbol	Ag	Cu	Cd	Mn	Pb	Ni	Zn	Ba	Be	Bi	Ca	Co	Cs	Eu	Ga	Ge	In	Li	Mg	Nb	Mo	Rb	Re
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.2	0.1	1	0.5	0.5	0.5	1	0.1	0.02	0.01	0.1	0.05	0.05	0.1	0.1	0.1	0.5	0.01	0.1	0.05	0.2	0.001
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Acid) Cert		0.0																					
OREAS 98 (4 Acid) Meas	45.3	> 10000			303		1370			84.7		131											
OREAS 98 (4 Acid) Cert	45.1	14800			345		1360			97.2		121											
OREAS 13b (4-Acid) Meas	0.88	2170				2070	126					68.8									10.00		
OREAS 13b (4-Acid) Cert	0.86	2327.0				2247.0	133					75									9.0		
OREAS 13b (4-Acid) Meas	0.85	2190				2160	124					71.6									7.99		
OREAS 13b (4-Acid) Cert	0.86	2327.0				2247.0	133					75									9.0		
OREAS 13b (4-Acid) Meas	0.92	2130				1960	138					80.6									8.97		
OREAS 13b (4-Acid) Cert	0.86	2327.0				2247.0	133					75									9.0		
OREAS 904 (4 ACID) Meas	0.60	6090		417	11.3	38.2	24.5	204	9.2	4.04	0.05	83.4	4.07		15.9	< 0.1	0.2	16.3	0.56		2.09	140	
OREAS 904 (4 ACID) Cert	0.551	6120		410	10.6	40.1	26.3	194	7.86	4.05	0.0460	83.0	3.79		16.7	0.180	0.220	16.7	0.556		2.12	130	
OREAS 904 (4 ACID) Meas	0.53	5980		401	11.2	41.8	26.0	211	8.4	3.97	0.04	89.2	3.61		16.2	0.3	0.2	16.6	0.58		1.70	133	
OREAS 904 (4 ACID) Cert	0.551	6120		410	10.6	40.1	26.3	194	7.86	4.05	0.0460	83.0	3.79		16.7	0.180	0.220	16.7	0.556		2.12	130	
SBC-1 Meas		35.0	0.4		35.8	81.3	187	463	3.5	0.69		21.5	8.06	2.01	26.7			181		14.3	2.89	150	
SBC-1 Cert		31.0	0.40		35.0	82.8	186	788.0	3.20	0.70		22.7	8.2	1.98	27.0			163		15.3	2.40	147	
SBC-1 Meas		36.9	0.5		35.3	85.3	198	490	3.6	0.70		22.7	8.19	1.98	29.1			178		14.3	2.74	154	
SBC-1 Cert		31.0	0.40		35.0	82.8	186	788.0	3.20	0.70		22.7	8.2	1.98	27.0			163		15.3	2.40	147	
SBC-1 Meas		32.2	0.5		35.2	73.7	207	771	3.2	0.69		21.8	7.78	1.82	19.1			162		14.0	2.16	140	
SBC-1 Cert		31.0	0.40		35.0	82.8	186	788.0	3.20	0.70		22.7	8.2	1.98	27.0			163		15.3	2.40	147	
SBC-1 Meas		31.3	0.4		37.1	80.9	186	601	3.1	0.64		21.7	8.59	1.94	25.9			157		15.1	2.22	141	
SBC-1 Cert		31.0	0.40		35.0	82.8	186	788.0	3.20	0.70		22.7	8.2	1.98	27.0			163		15.3	2.40	147	
SBC-1 Meas		30.3	0.4		35.5	84.9	180	642	3.0	0.65		23.7	7.71	1.79	20.6			162		13.5	2.51	139	
SBC-1 Cert		31.0	0.40		35.0	82.8	186	788.0	3.20	0.70		22.7	8.2	1.98	27.0			163		15.3	2.40	147	
OREAS 45d (4-Acid) Meas		343		460	22.6	211	41.7	181	0.7	0.32	0.18	28.0	3.99	0.61	20.0		0.1	20.1	0.18	0.8	0.35	36.7	
OREAS 45d (4-Acid) Cert		371		490.000	21.8	231.0	45.7	183.0	0.79	0.31	0.185	29.50	3.910	0.57	21.20		0.096	21.5	0.245	14.50	2.500	42.1	
OREAS 45d (4-Acid) Meas		407		473	21.5	230	45.5	188	0.7	0.31	0.19	30.5	3.50	0.60	20.1		< 0.1	21.6	0.26	< 0.1	0.12	42.9	
OREAS 45d (4-Acid) Cert		371		490.000	21.8	231.0	45.7	183.0	0.79	0.31	0.185	29.50	3.910	0.57	21.20		0.096	21.5	0.245	14.50	2.500	42.1	
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 96 (4 Acid) Meas	11.2	> 10000			109		443			29.2		48.7											

Analyte Symbol	Ag	Cu	Cd	Mn	Pb	Ni	Zn	Ba	Be	Bi	Ca	Co	Cs	Eu	Ga	Ge	In	Li	Mg	Nb	Mo	Rb	Re
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.2	0.1	1	0.5	0.5	0.5	1	0.1	0.02	0.01	0.1	0.05	0.05	0.1	0.1	0.1	0.5	0.01	0.1	0.05	0.2	0.001
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 96 (4 Acid) Cert	11.5	39300			101		457			26.3		49.9											
OREAS 96 (4 Acid) Meas	11.1	> 10000			99.0		426			29.1		47.8											
OREAS 96 (4 Acid) Cert	11.5	39300			101		457			26.3		49.9											
OREAS 96 (4 Acid) Meas	10.3	> 10000			95.4		481			26.6		48.3											
OREAS 96 (4 Acid) Cert	11.5	39300			101		457			26.3		49.9											
OREAS 96 (4 Acid) Meas	10.3	> 10000			107		415			27.8		47.8											
OREAS 96 (4 Acid) Cert	11.5	39300			101		457			26.3		49.9											
OREAS 96 (4 Acid) Meas	11.3	> 10000			104		451			26.0		53.2											
OREAS 96 (4 Acid) Cert	11.5	39300			101		457			26.3		49.9											
OREAS 96 (4 Acid) Meas	10.4	> 10000			97.0		437			25.7		51.9											
OREAS 96 (4 Acid) Cert	11.5	39300			101		457			26.3		49.9											
OREAS 923 (4 Acid) Meas	1.71	4410	0.4	956	84.5	35.3	329	464	2.7	25.7	0.46	21.9	6.55	1.32	19.3		0.5	34.0	1.73	13.2	1.05	163	
OREAS 923 (4 Acid) Cert	1.60	4230	0.420	950	83.0	35.8	345	434	2.42	21.4	0.473	23.1	6.70	1.37	20.3		0.520	31.4	1.69	14.1	0.930	166	
OREAS 923 (4 Acid) Meas	1.69	4110	0.4	987	84.9	36.4	332	465	2.3	24.2	0.48	23.8	6.21	1.26	16.8		0.5	30.0	1.79	14.3	0.95	154	
OREAS 923 (4 Acid) Cert	1.60	4230	0.420	950	83.0	35.8	345	434	2.42	21.4	0.473	23.1	6.70	1.37	20.3		0.520	31.4	1.69	14.1	0.930	166	
OREAS 621 (4 Acid) Meas	60.7	3570	276	503	> 5000	24.7	> 10000		1.7	3.94	1.91	28.6	3.48		23.9		1.8	12.9	0.36	9.2	12.9	79.7	
OREAS 621 (4 Acid) Cert	69.0	3630	284	532	13600	26.2	52200		1.69	3.93	1.97	29.3	3.28		24.6		1.83	14.2	0.507	8.61	13.6	84.0	
OREAS 621 (4 Acid) Meas	63.7	3540	281	520	> 5000	27.2	> 10000		1.9	4.01	2.03	30.2	3.27		17.8		1.7	15.4	0.53	9.3	14.5	79.1	
OREAS 621 (4 Acid) Cert	69.0	3630	284	532	13600	26.2	52200		1.69	3.93	1.97	29.3	3.28		24.6		1.83	14.2	0.507	8.61	13.6	84.0	
OREAS 522 (4 Acid) Meas	1.29	8870		4060	6.4	68.9	30.4		0.8	9.30	3.62	556	0.60	1.83	15.2		0.2	15.5	1.03	4.6	227	79.5	0.092
OREAS 522 (4 Acid) Cert	1.31	9160		3970	12.5	70.0	30.2		0.700	8.72	3.65	550	0.640	1.88	16.0		0.230	16.2	1.12	5.66	206	82.0	0.0980
OREAS 522 (4 Acid) Meas	1.18	8410		3740	9.0	66.2	27.6		0.6	8.86	3.51	540	0.69	1.96	14.9		0.2	12.6	0.97	5.9	208	78.0	0.101
OREAS 522 (4 Acid) Cert	1.31	9160		3970	12.5	70.0	30.2		0.700	8.72	3.65	550	0.640	1.88	16.0		0.230	16.2	1.12	5.66	206	82.0	0.0980
OREAS 522 (4 Acid) Meas	1.28	8390		4150	7.7	68.1	31.5		0.8	8.62	3.71	500	0.56	1.72	16.0		0.2	15.2	1.11	5.1	208	81.8	0.101
OREAS 522 (4 Acid) Cert	1.31	9160		3970	12.5	70.0	30.2		0.700	8.72	3.65	550	0.640	1.88	16.0		0.230	16.2	1.12	5.66	206	82.0	0.0980
Oreas 77b (4 Acid Digest) Meas	1.42	3020	1.0	609	58.7	> 5000	182	23	0.4	3.41	2.66	1460	2.26		4.0		0.1	12.3	1.99	3.1		16.9	0.021
Oreas 77b (4 Acid Digest) Cert	1.62	3430	1.20	640	61.0	113000	205	118	0.470	3.44	3.06	1550	2.32		4.61		0.112	18.8	2.59	3.26		19.1	0.0220
OREAS 681 (4 Acid) Meas	0.19	293		1330	10.1	514	95.2	447	1.3	0.09	6.21	54.5	3.65	1.23	13.5		< 0.1	12.3	5.15	5.4	1.25	78.0	
OREAS 681 (4 Acid) Cert	0.118	264		1310	10.2	503	88.0	442	1.41	0.0980	5.98	51.0	4.02	1.37	17.6		0.0420	13.0	5.19	6.17	1.38	80.0	

Analyte Symbol	Ag	Cu	Cd	Mn	Pb	Ni	Zn	Ba	Be	Bi	Ca	Co	Cs	Eu	Ga	Ge	In	Li	Mg	Nb	Mo	Rb	Re
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	0.05	0.2	0.1	1	0.5	0.5	0.5	1	0.1	0.02	0.01	0.1	0.05	0.05	0.1	0.1	0.1	0.5	0.01	0.1	0.05	0.2	0.001
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Method Blank	< 0.05	< 0.2	< 0.1	3	< 0.5	< 0.5	1.3	< 1	< 0.1	< 0.02	< 0.01	< 0.1	< 0.05	< 0.05	0.2	< 0.1	< 0.1	< 0.5	< 0.01	< 0.1	0.06	< 0.2	< 0.001
Method Blank	< 0.05	0.8	< 0.1	4	0.5	< 0.5	1.7	< 1	< 0.1	< 0.02	< 0.01	< 0.1	< 0.05	< 0.05	0.3	< 0.1	< 0.1	< 0.5	< 0.01	< 0.1	< 0.05	< 0.2	< 0.001
Method Blank	< 0.05	0.6	< 0.1	6	< 0.5	< 0.5	2.6	< 1	< 0.1	< 0.02	< 0.01	< 0.1	< 0.05	< 0.05	0.1	< 0.1	< 0.1	< 0.5	< 0.01	< 0.1	< 0.05	< 0.2	< 0.001
Method Blank	< 0.05	0.6	< 0.1	3	< 0.5	< 0.5	1.6	< 1	< 0.1	< 0.02	< 0.01	< 0.1	< 0.05	< 0.05	0.2	< 0.1	< 0.1	< 0.5	< 0.01	< 0.1	0.11	< 0.2	< 0.001
Method Blank	< 0.05	1.4	< 0.1	4	< 0.5	< 0.5	1.9	< 1	< 0.1	< 0.02	< 0.01	< 0.1	< 0.05	< 0.05	0.3	< 0.1	< 0.1	< 0.5	< 0.01	< 0.1	0.08	< 0.2	< 0.001
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 0.05	< 0.2	< 0.1	8	< 0.5	< 0.5	< 0.5	< 1	< 0.1	< 0.02	< 0.01	< 0.1	< 0.05	< 0.05	< 0.1	< 0.1	< 0.1	< 0.5	< 0.01	< 0.1	< 0.05	< 0.2	< 0.001
Method Blank	< 0.05	21.1	< 0.1	4	< 0.5	< 0.5	< 0.5	< 1	< 0.1	< 0.02	< 0.01	< 0.1	< 0.05	< 0.05	< 0.1	< 0.1	< 0.1	< 0.5	< 0.01	< 0.1	0.06	< 0.2	< 0.001
Method Blank																							

Analyte Symbol	Se	Sn	Sr	Ta	Te	Th	Tl	U	V	Y	Zr	La	K	Ce	Pr	Nd	Sm	Gd	Dy	Tb	Ho	Er	Tm
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	1	0.2	0.1	0.1	0.1	0.05	0.1	1	0.1	1	0.1	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
NIST 694 Meas																							
NIST 694 Cert																							
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
W-2a Meas																							
W-2a Cert																							
W-2a Meas																							
W-2a Cert																							
SY-4 Meas																							
SY-4 Cert																							
SY-4 Meas																							
SY-4 Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
OREAS 101b (4 Acid) Meas						31.5		380	80	128		764	2.63	1380	121	366	46.4	39.7	24.6	4.7	4.7	14.5	2.1
OREAS 101b (4 Acid) Cert						36.4		387	77	133		754	2.36	1325	127	388	48	40	27	5.4	5.2	15	2.08
OREAS 101b (4 Acid) Meas						35.6		380	69	129		808	2.41	1350	124	381	49.1	36.9	24.8	4.6	5.1	14.7	2.1
OREAS 101b (4 Acid) Cert						36.4		387	77	133		754	2.36	1325	127	388	48	40	27	5.4	5.2	15	2.08
OREAS 101b (4 Acid) Meas						35.8		314	80	117		651	1.44	1210	121	350	43.6	36.1	25.3	4.5	4.6	13.9	2.0
OREAS 101b (4 Acid) Cert						36.4		387	77	133		754	2.36	1325	127	388	48	40	27	5.4	5.2	15	2.08
OREAS 101b (4 Acid) Meas						36.0		327	80	115		664	2.23	1200	105	337	51.0	38.0	25.5	4.6	4.6	13.6	2.0
OREAS 101b (4 Acid) Cert						36.4		387	77	133		754	2.36	1325	127	388	48	40	27	5.4	5.2	15	2.08
OREAS 98 (4 Acid) Meas	151	> 200																					
OREAS 98 (4 Acid) Cert	158	206																					
OREAS 98 (4 Acid) Meas	155	195																					
OREAS 98 (4 Acid) Cert	158	206																					

Analyte Symbol	Se	Sn	Sr	Ta	Te	Th	Tl	U	V	Y	Zr	La	K	Ce	Pr	Nd	Sm	Gd	Dy	Tb	Ho	Er	Tm
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	1	0.2	0.1	0.1	0.1	0.05	0.1	1	0.1	1	0.1	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Acid) Cert																							
OREAS 98 (4 Acid) Meas	176	> 200																					
OREAS 98 (4 Acid) Cert	158	206																					
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 904 (4 ACID) Meas	2.4	3	25.1	0.7		14.2	0.53	9.0	74	31.6	184	44.0	3.67	87.5						1.0			
OREAS 904 (4 ACID) Cert	3.30	2.83	27.2	0.540		14.3	0.520	8.43	76.0	31.5	171	43.2	3.31	86.0						1.00			
OREAS 904 (4 ACID) Meas	2.4	3	27.0	0.1		14.8	0.55	8.9	76	30.7	50	45.6	3.40	93.2						1.0			
OREAS 904 (4 ACID) Cert	3.30	2.83	27.2	0.540		14.3	0.520	8.43	76.0	31.5	171	43.2	3.31	86.0						1.00			
SBC-1 Meas		3	158	0.9		14.3	0.94	5.8	243	31.5	117	52.9		119	12.8	50.0	9.6	8.4	6.5	1.3	1.3	3.7	0.6
SBC-1 Cert		3.3	178.0	1.10		15.8	0.89	5.76	220.0	36.5	134.0	52.5		108.0	12.6	49.2	9.6	8.5	7.10	1.20	1.40	3.80	0.56
SBC-1 Meas		3	166	1.1		14.1	0.94	5.8	248	31.6	121	52.3		117	12.9	49.2	10.1	8.5	6.6	1.3	1.3	3.7	0.5
SBC-1 Cert		3.3	178.0	1.10		15.8	0.89	5.76	220.0	36.5	134.0	52.5		108.0	12.6	49.2	9.6	8.5	7.10	1.20	1.40	3.80	0.56
SBC-1 Meas		3	181	0.9		15.0	0.94	5.6	206	27.5	111	49.3		101	12.3	48.5	9.2	8.0	6.5	1.0	1.2	3.5	0.5
SBC-1 Cert		3.3	178.0	1.10		15.8	0.89	5.76	220.0	36.5	134.0	52.5		108.0	12.6	49.2	9.6	8.5	7.10	1.20	1.40	3.80	0.56
SBC-1 Meas		3	175	0.9		14.8	0.87	5.5	203	31.4	120	52.3		109	12.3	50.0	9.0	8.4	6.3	1.2	1.2	3.6	0.5
SBC-1 Cert		3.3	178.0	1.10		15.8	0.89	5.76	220.0	36.5	134.0	52.5		108.0	12.6	49.2	9.6	8.5	7.10	1.20	1.40	3.80	0.56
SBC-1 Meas		3	181	0.8		15.0	0.89	5.4	217	29.2	103	49.2		107	11.6	46.4	10.8	7.8	6.6	1.2	1.1	3.4	0.5
SBC-1 Cert		3.3	178.0	1.10		15.8	0.89	5.76	220.0	36.5	134.0	52.5		108.0	12.6	49.2	9.6	8.5	7.10	1.20	1.40	3.80	0.56
OREAS 45d (4-Acid) Meas		< 1	29.4	< 0.1		13.5	0.25	2.7	111	10.5	99	15.7	0.39	34.5	3.6	13.9	3.0	2.6	2.3	0.4	0.5	1.5	
OREAS 45d (4-Acid) Cert		2.78	31.30	1.02		14.5	0.27	2.63	235.0	9.53	141	16.9	0.412	37.20	3.70	13.4	2.80	2.42	2.26	0.400	0.46	1.38	
OREAS 45d (4-Acid) Meas		< 1	31.9	< 0.1		14.6	0.25	2.7	73	10.9	31	17.6	0.44	39.6	3.7	14.2	2.9	2.5	2.5	0.4	0.5	1.3	
OREAS 45d (4-Acid) Cert		2.78	31.30	1.02		14.5	0.27	2.63	235.0	9.53	141	16.9	0.412	37.20	3.70	13.4	2.80	2.42	2.26	0.400	0.46	1.38	
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 96 (4 Acid) Meas	37.7	64																					

Analyte Symbol	Se	Sn	Sr	Ta	Te	Th	Tl	U	V	Y	Zr	La	K	Ce	Pr	Nd	Sm	Gd	Dy	Tb	Ho	Er	Tm
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	1	0.2	0.1	0.1	0.1	0.05	0.1	1	0.1	1	0.1	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 96 (4 Acid) Cert	40.7	65.6																					
OREAS 96 (4 Acid) Meas	37.7	64																					
OREAS 96 (4 Acid) Cert	40.7	65.6																					
OREAS 96 (4 Acid) Meas	34.3	61																					
OREAS 96 (4 Acid) Cert	40.7	65.6																					
OREAS 96 (4 Acid) Meas	40.3	65																					
OREAS 96 (4 Acid) Cert	40.7	65.6																					
OREAS 96 (4 Acid) Meas	42.2	66																					
OREAS 96 (4 Acid) Cert	40.7	65.6																					
OREAS 96 (4 Acid) Meas	39.7	66																					
OREAS 96 (4 Acid) Cert	40.7	65.6																					
OREAS 923 (4 Acid) Meas	6.0	13	36.4	1.2		14.7	0.89	3.1	99	24.9	123	42.5	2.73	88.6	9.4	35.7	6.6	6.1	4.9	0.9	0.9	2.8	0.4
OREAS 923 (4 Acid) Cert	6.54	13.3	43.0	1.11		16.5	0.860	3.06	91.0	26.4	116	42.2	2.51	83.0	9.58	35.4	6.64	5.73	5.05	0.850	0.960	2.86	0.410
OREAS 923 (4 Acid) Meas	5.9	14	41.2	1.2		16.6	0.91	3.1	96	23.5	118	42.4	2.79	85.2	9.0	34.3	7.0	5.5	4.9	0.9	0.9	2.6	0.4
OREAS 923 (4 Acid) Cert	6.54	13.3	43.0	1.11		16.5	0.860	3.06	91.0	26.4	116	42.2	2.51	83.0	9.58	35.4	6.64	5.73	5.05	0.850	0.960	2.86	0.410
OREAS 621 (4 Acid) Meas	5.4	5	57.7			3.8	2.00	2.7	30	10.4	160	17.7	2.07	43.9						0.5			
OREAS 621 (4 Acid) Cert	5.64	5.25	91.0			7.48	1.96	2.83	31.8	11.1	168	21.6	2.20	46.6						0.460			
OREAS 621 (4 Acid) Meas	4.8	6	79.8			6.6	2.18	2.9	38	12.1	160	21.6	1.95	52.0						0.5			
OREAS 621 (4 Acid) Cert	5.64	5.25	91.0			7.48	1.96	2.83	31.8	11.1	168	21.6	2.20	46.6						0.460			
OREAS 522 (4 Acid) Meas	2.9	9	79.3	0.3	0.5	2.2	0.30	43.9	178	17.2	113	56.2	2.76	87.8	7.7	24.7	3.9	4.0	3.2	0.6	0.6	2.0	0.3
OREAS 522 (4 Acid) Cert	2.74	9.32	199	0.440	1.14	7.53	0.290	42.2	164	18.5	112	171	2.83	148	9.76	27.2	4.17	3.87	3.24	0.590	0.660	1.97	0.280
OREAS 522 (4 Acid) Meas	2.1	9	60.0	0.4	1.0	2.9	0.30	43.5	147	17.2	117	49.0	2.66	62.3	6.2	23.1	3.9	3.9	3.3	0.6	0.7	2.0	0.3
OREAS 522 (4 Acid) Cert	2.74	9.32	199	0.440	1.14	7.53	0.290	42.2	164	18.5	112	171	2.83	148	9.76	27.2	4.17	3.87	3.24	0.590	0.660	1.97	0.280
OREAS 522 (4 Acid) Meas	2.2	9	69.5	0.3	0.5	1.7	0.30	39.9	170	17.2	110	40.1	2.99	66.0	6.7	23.6	4.0	3.8	3.5	0.5	0.7	1.9	0.3
OREAS 522 (4 Acid) Cert	2.74	9.32	199	0.440	1.14	7.53	0.290	42.2	164	18.5	112	171	2.83	148	9.76	27.2	4.17	3.87	3.24	0.590	0.660	1.97	0.280
Oreas 77b (4 Acid Digest) Meas		2	31.1	0.3	1.2	6.3	1.40	1.8	24	6.5	39	15.6	0.29	26.5									
Oreas 77b (4 Acid Digest) Cert		1.59	34.4	0.280	1.35	6.61	1.37	1.71	33.6	6.55	37.9	15.8	0.361	27.7									
OREAS 681 (4 Acid) Meas		2	468	0.3		6.4		1.5	209	16.1	59	18.7	1.44	41.8	4.9	20.6	5.0	3.6	3.4	0.6	0.6	1.9	0.3
OREAS 681 (4 Acid) Cert		1.89	478	0.420		6.55		1.44	253	17.5	58.0	18.8	1.35	40.6	5.32	21.9	4.82	4.06	3.40	0.580	0.690	1.97	0.280

Analyte Symbol	Se	Sn	Sr	Ta	Te	Th	Tl	U	V	Y	Zr	La	K	Ce	Pr	Nd	Sm	Gd	Dy	Tb	Ho	Er	Tm
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	1	0.2	0.1	0.1	0.1	0.05	0.1	1	0.1	1	0.1	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
Method Blank	1.3	< 1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.1	< 1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	2	< 0.1	< 1	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.9	< 1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	1.1	< 1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	2	< 0.1	< 1	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	< 1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	3	< 0.1	< 1	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	0.2	< 1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	0.3	< 1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank																							



Report No.: A20-14251-4E
Report Date: 25-Feb-21
Date Submitted: 06-Nov-20
Your Reference:

Platinex Inc.
807 William Roe Blvd,
Newmarket ON L3Y 5V6 Canada

ATTN: David Jamieson

CERTIFICATE OF ANALYSIS

2 Rock samples were submitted for analysis.

Table with 3 columns: The following analytical package(s) were requested, Testing Date, and details of the package (4E-Expl (1-10), QOP INAAGEO/QOP WRA/QOP Total, etc.)

REPORT A20-14251-4E

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Total includes all elements in % oxide to the left of total. Values above the upper limit should be assayed for most accurate values.

CERTIFIED BY:

Handwritten signature of Emmanuel Eseme

Emmanuel Eseme, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
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Results

Activation Laboratories Ltd.

Report: A20-14251

Analyte Symbol	Ag	As	Au	Ba	Br	Ce	Co	Cr	Cs	Eu	Hf	Hg	Ir	La	Lu	Mass	Nd	Rb	Sb	Sc	Se	Sm	Ta
Unit Symbol	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.5	2	5	3	1	3	1	1	0.5	0.1	0.5	1	5	0.2	0.05		5	20	0.2	0.1	3	0.1	1
Method Code	MULT INAA / TD-ICP	INAA	INAA	MULT I NAA/F USICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
A860628	< 0.5	4	< 5	31	< 1	11	43	49	< 0.5	0.8	1.9	< 1	< 5	3.1	0.37	1.384	< 5	< 20	< 0.2	40.5	< 3	2.4	< 1
A860643	< 0.5	5	12	32	< 1	9	42	26	< 0.5	0.5	1.7	< 1	< 5	2.7	0.44	1.450	8	< 20	< 0.2	41.1	< 3	2.4	< 1

Results

Activation Laboratories Ltd.

Report: A20-14251

Analyte Symbol	Tb	Th	U	W	Yb	LOI	Bi	Cd	Cu	Mo	Ni	Pb	S	Zn	Al2O3	Be	CaO	Fe2O3(T)	K2O	MgO	MnO	Na2O	P2O5
Unit Symbol	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	%	%	%	%	%	%	%
Lower Limit	0.5	0.5	0.5	3	0.1		2	0.5	1	2	1	5	0.001	1	0.01	1	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Method Code	INAA	INAA	INAA	INAA	INAA	GRAV	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
A860628	< 0.5	< 0.5	< 0.5	< 3	2.1	6.35	3	< 0.5	116	< 2	44	< 5	0.084	143	13.01	< 1	5.36	13.74	0.05	7.09	0.23	3.69	0.08
A860643	< 0.5	< 0.5	< 0.5	< 3	2.9	9.16	4	< 0.5	94	< 2	29	< 5	0.121	93	13.38	< 1	5.91	14.80	0.04	4.91	0.21	3.07	0.09

Results**Activation Laboratories Ltd.****Report: A20-14251**

Analyte Symbol	SiO2	Sr	TiO2	Total	V	Y	Zr
Unit Symbol	%	ppm	%	%	ppm	ppm	ppm
Lower Limit	0.01	2	0.005	0.01	5	1	2
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
A860628	49.88	75	1.045	100.5	315	20	54
A860643	47.71	41	1.179	100.5	343	22	60

Analyte Symbol	Ag	As	Au	Ba	Br	Ce	Co	Cr	Cs	Eu	Hf	Hg	Ir	La	Lu	Mass	Nd	Rb	Sb	Sc	Se	Sm	Ta	
Unit Symbol	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Lower Limit	5	2	5	50	1	3	1	1	0.5	0.1	0.5	1	5	0.2	0.05		5	20	0.2	0.1	3	0.1	1	
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	
NIST 694 Meas																								
NIST 694 Cert																								
DNC-1 Meas																								
DNC-1 Cert																								
GBW 07113 Meas																								
GBW 07113 Cert																								
W-2a Meas																								
W-2a Cert																								
SY-4 Meas																								
SY-4 Cert																								
BIR-1a Meas																								
BIR-1a Cert																								
OREAS 98 (4 Acid) Meas																								
OREAS 98 (4 Acid) Cert																								
OREAS 45d (4-Acid) Meas																								
OREAS 45d (4-Acid) Cert																								
OREAS 905 (INAA) Meas		34	410	2470		94	17		7.6	1.4	7.4			46.7			47	170	1.5			7.9	< 1	
OREAS 905 (INAA) Cert		36.2	391	2800		96.0	15.3		7.10	1.46	7.26			48.0			40.5	137	1.96			7.64	1.38	
OREAS 247 (4 Acid) Meas																								
OREAS 247 (4 Acid) Cert																								
Method Blank																								
Method Blank	< 5	< 2	< 5	< 50	< 1	< 3	< 1	< 1	< 0.5	< 0.1	< 0.5	< 1	< 5	< 0.2	< 0.05	1.000	< 5	< 20	< 0.2	< 0.1	< 3	< 0.1	< 1	
Method Blank																								

Analyte Symbol	Tb	Th	U	W	Yb	Ag	Bi	Cd	Cu	Mo	Ni	Pb	S	Zn	Al2O3	Ba	Be	CaO	Fe2O3(T)	K2O	MgO	MnO	Na2O
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	%	%	%	%	%	%
Lower Limit	0.5	0.5	0.5	3	0.1	0.5	2	0.5	1	2	1	5	0.001	1	0.01	2	1	0.01	0.01	0.01	0.01	0.01	0.01
Method Code	INAA	INAA	INAA	INAA	INAA	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
NIST 694 Meas															1.90			42.60	0.74	0.55	0.34	0.01	0.86
NIST 694 Cert															1.80			43.6	0.790	0.510	0.330	0.0116	0.860
DNC-1 Meas															18.39	109		11.57	10.04	0.24	10.05	0.15	1.96
DNC-1 Cert															18.34	118		11.49	9.97	0.234	10.13	0.150	1.890
GBW 07113 Meas															13.09	500	4	0.60	3.29	5.43	0.14	0.15	2.49
GBW 07113 Cert															13.0	506	4.00	0.590	3.21	5.43	0.160	0.140	2.57
W-2a Meas															15.54	181	< 1	11.14	10.75	0.63	6.25	0.16	2.27
W-2a Cert															15.4	182	1.30	10.9	10.7	0.626	6.37	0.163	2.14
SY-4 Meas															20.38	357	3	8.20	6.23	1.66	0.50	0.11	6.94
SY-4 Cert															20.69	340	2.6	8.05	6.21	1.66	0.54	0.108	7.10
BIR-1a Meas															15.58	9	< 1	13.65	11.58	0.02	9.45	0.17	1.82
BIR-1a Cert															15.50	6	0.58	13.30	11.30	0.030	9.700	0.175	1.82
OREAS 98 (4 Acid) Meas						42.7	< 2		> 10000			313	16.3	1280									
OREAS 98 (4 Acid) Cert						45.1	97.2		14800 0.0			345	15.5	1360									
OREAS 45d (4-Acid) Meas							< 2		380	< 2	233	22	0.041	44									
OREAS 45d (4-Acid) Cert							0.31		371	2.500	231.0	21.8	0.049	45.7									
OREAS 905 (INAA) Meas	< 0.5	13.6	6.2	< 3	0.8																		
OREAS 905 (INAA) Cert	0.810	14.7	5.00	3.02	0.760																		
OREAS 247 (4 Acid) Meas						2.3	< 2	< 0.5	41	< 2	46	31	0.697	83									
OREAS 247 (4 Acid) Cert						2.16	0.580	0.0650	42.2	1.76	45.9	31.9	0.714	86.0									
Method Blank															< 0.01	< 2	< 1	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01
Method Blank	< 0.5	< 0.5	< 0.5	< 3	< 0.1																		
Method Blank						< 0.5	< 2	< 0.5	< 1	< 2	< 1	< 5	0.002	< 1									

Analyte Symbol	P2O5	SiO2	Sr	TiO2	V	Y	Zr
Unit Symbol	%	%	ppm	%	ppm	ppm	ppm
Lower Limit	0.01	0.01	2	0.005	5	1	2
Method Code	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP
NIST 694 Meas	30.27	11.59		0.120	1672		
NIST 694 Cert	30.2	11.2		0.110	1740		
DNC-1 Meas	0.06	47.60	142	0.480	156	16	34
DNC-1 Cert	0.070	47.15	144.0	0.480	148	18.0	38
GBW 07113 Meas	0.04	71.96	41	0.290	5	46	386
GBW 07113 Cert	0.0500	72.8	43.0	0.300	5.00	43.0	403
W-2a Meas	0.11	52.80	195	1.070	277	20	88
W-2a Cert	0.140	52.4	190	1.06	262	24.0	94.0
SY-4 Meas	0.12	50.08	1198	0.280	7	120	548
SY-4 Cert	0.131	49.9	1191	0.287	8.0	119	517
BIR-1a Meas	0.01	50.85	111	0.980	336	14	14
BIR-1a Cert	0.021	47.96	110	0.96	310	16	18
OREAS 98 (4 Acid) Meas							
OREAS 98 (4 Acid) Cert							
OREAS 45d (4-Acid) Meas							
OREAS 45d (4-Acid) Cert							
OREAS 905 (INAA) Meas							
OREAS 905 (INAA) Cert							
OREAS 247 (4 Acid) Meas							
OREAS 247 (4 Acid) Cert							
Method Blank	< 0.01	< 0.01	< 2	< 0.005	< 5	< 1	2
Method Blank							
Method Blank							



Report No.: A20-14617-Final2
Report Date: 25-Feb-21
Date Submitted: 16-Nov-20
Your Reference:

Platinex Inc.
807 William Roe Blvd
Newmarket ON L3Y 5V6
Canada

ATTN: James Trusler

CERTIFICATE OF ANALYSIS

151 Rock samples were submitted for analysis.

Table with 3 columns: Analytical package(s) requested, Description, and Testing Date. Rows include 4E-Expl (1-10) and UT-5.

REPORT A20-14617-Final2

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Notes:

Total includes all elements in % oxide to the left of total. Values above the upper limit should be assayed for most accurate values.

Unaltered silicates and resistate minerals may not be dissolved. Values which exceed upper limit should be assayed.

CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
41 Bittern Street, Ancaster, Ontario, Canada, L9G 4V5
TELEPHONE +905 648-9611 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Ancaster@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

Analyte Symbol	Au	Ag	As	Ba	Br	Co	Cr	Cs	Hf	Hg	Ir	Rb	Sb	Sc	Se	Ta	Th	U	W	La	Ce	Nd	Sm
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.5	2	3	1	1	1	0.5	0.5	1	5	20	0.2	0.1	3	1	0.5	0.5	3	0.2	3	5	0.1
Method Code	INAA	MULT INAA / TD-ICP	INAA	MULT I NAA/F USICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
A860667														22.6									
A860691	< 5	< 0.5	< 2	296	< 1	9	17	< 0.5	4.4	< 1	< 5	30	< 0.2	5.4	< 3	< 1	4.6	1.0	< 3	16.4	33	7	3.1
A860701														30.6									
A860708														28.0									
A860712	< 5	< 0.5	< 2	11	< 1	58	106	< 0.5	1.6	< 1	< 5	< 20	< 0.2	36.1	< 3	< 1	< 0.5	< 0.5	< 3	2.5	6	9	1.6
A860738														35.6									
A860742														28.7									
A860769	< 5	< 0.5	35	127	< 1	47	139	< 0.5	< 0.5	< 1	< 5	20	< 0.2	39.8	< 3	< 1	< 0.5	< 0.5	< 3	1.9	7	< 5	1.5
A860778														37.7									

Results

Activation Laboratories Ltd.

Report: A20-14617

Analyte Symbol	Eu	Tb	Yb	Lu	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Total	Be	Sr	V	Y	Zr	Bi	Cd	Cu
Unit Symbol	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.5	0.1	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	0.01	1	2	5	1	2	2	0.5	1
Method Code	INAA	INAA	INAA	INAA	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	TD-ICP	TD-ICP	TD-ICP
A860667																							
A860691	0.8	< 0.5	1.5	0.23	72.08	13.72	3.10	0.03	0.96	2.12	3.13	1.85	0.457	0.06	100.6	< 1	40	45	13	167	< 2	< 0.5	4
A860701																							
A860708																							
A860712	0.5	< 0.5	2.0	0.34	45.84	13.26	12.97	0.19	8.12	7.36	1.88	< 0.01	0.761	0.06	100.4	< 1	36	243	15	41	3	< 0.5	98
A860738																							
A860742																							
A860769	0.4	< 0.5	1.5	0.27	44.63	12.92	10.30	0.18	6.22	8.22	1.14	1.14	0.632	0.05	99.89	< 1	49	231	13	33	< 2	< 0.5	160
A860778																							

Results

Activation Laboratories Ltd.

Report: A20-14617

Analyte Symbol	Mo	Ni	Pb	S	Zn	LOI	Au	Ag	Ni	Zn	As	Ba	Br	Co	Cr	Cs	Fe	Hf	Na	Sb	Se	Ta	Th
Unit Symbol	ppm	ppm	ppm	%	ppm	%	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	2	1	5	0.001	1		2	0.05	0.5	0.5	0.5	1	0.5	0.1	2	0.05	0.01	1	0.01	0.1	0.1	0.1	0.1
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	GRAV	INAA	MULT I NAA/T D-ICP- MS	MULT I NAA/T D-ICP- MS	MULT I NAA/T D-ICP- MS	INAA	MULT I NAA/T D-ICP- MS	INAA	MULT I NAA/T D-ICP- MS	INAA	MULT I NAA/T D-ICP- MS	INAA	INAA	INAA	INAA	MULT I NAA/T D-ICP- MS	MULT I NAA/T D-ICP- MS	MULT I NAA/T D-ICP- MS
A860667							323	0.07	24.6	74.1	11.3	130	< 0.5	39.1	4	0.81	7.47	< 1	0.68	0.1	0.9	< 0.1	0.2
A860691	< 2	10	< 5	0.003	19	3.05																	
A860701							1850	0.19	67.3	85.6	10.3	189	< 0.5	43.3	81	1.06	7.18	< 1	0.30	0.2	0.9	< 0.1	0.2
A860708							1150	< 0.05	56.8	84.3	26.8	138	< 0.5	37.6	74	0.85	6.97	< 1	0.22	< 0.1	0.8	< 0.1	0.3
A860712	< 2	112	< 5	0.010	75	9.99																	
A860738							1410	0.08	108	101	20.4	179	< 0.5	55.9	130	1.09	8.54	2	0.18	< 0.1	0.8	< 0.1	0.3
A860742							458	0.19	24.7	43.8	21.5	153	< 0.5	34.5	18	0.98	6.74	< 1	0.62	< 0.1	1.1	< 0.1	0.2
A860769	< 2	85	< 5	0.031	62	14.45																	
A860778							437	0.32	49.4	63.7	65.5	185	< 0.5	41.7	45	1.15	7.17	< 1	0.43	0.2	1.1	< 0.1	0.2

Results

Activation Laboratories Ltd.

Report: A20-14617

Analyte Symbol	U	W	Mass	Cu	Cd	Mn	Pb	Be	Bi	Ca	Eu	Ga	Ge	In	Li	Mg	Nb	Mo	Rb	Re	Sn	Sr	Te
Unit Symbol	ppm	ppm	g	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	1		0.2	0.1	1	0.5	0.1	0.02	0.01	0.05	0.1	0.1	0.1	0.5	0.01	0.1	0.05	0.2	0.001	1	0.2	0.1
Method Code	MULT I NAA/T D-ICP- MS	INAA	INAA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A860667	< 0.1	4	28.5	61.8	< 0.1	1180	0.9	0.7	< 0.02	4.10	0.56	13.3	0.7	< 0.1	25.9	2.14	< 0.1	0.12	35.9	< 0.001	< 1	35.9	0.2
A860691			1.443																				
A860701	< 0.1	5	29.0	123	0.1	1150	1.2	0.6	< 0.02	4.01	0.45	10.9	0.9	< 0.1	27.8	1.89	< 0.1	0.15	54.4	< 0.001	< 1	23.9	< 0.1
A860708	< 0.1	3	28.5	74.0	< 0.1	1000	1.7	0.5	< 0.02	2.83	0.58	12.2	0.7	< 0.1	32.4	1.90	< 0.1	0.10	39.3	< 0.001	< 1	17.5	< 0.1
A860712			1.320																				
A860738	< 0.1	3	28.9	143	< 0.1	991	1.6	0.5	< 0.02	2.78	0.46	15.0	0.6	< 0.1	65.5	3.37	0.1	0.06	43.0	< 0.001	< 1	13.0	< 0.1
A860742	< 0.1	31	29.5	140	0.1	1380	2.4	0.7	0.03	6.28	0.51	11.5	0.5	< 0.1	8.7	2.25	0.5	0.12	52.6	< 0.001	< 1	47.4	< 0.1
A860769			1.348																				
A860778	< 0.1	16	29.4	233	0.3	1420	1.5	0.7	0.02	5.71	0.58	13.1	0.6	< 0.1	14.0	2.76	1.3	0.16	71.2	0.001	< 1	54.1	< 0.1

Results

Activation Laboratories Ltd.

Report: A20-14617

Analyte Symbol	Tl	V	Y	Zr	La	K	Ce	Pr	Nd	Sm	Gd	Dy	Tb	Ho	Hg	Er	Tm	Yb	Lu
Unit Symbol	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm
Lower Limit	0.05	1	0.1	1	0.1	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	10	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
A860667	0.20	145	9.2	26	2.5	1.05	7.1	1.2	5.5	1.8	1.7	1.8	0.3	0.4	30	1.0	0.2	1.2	0.2
A860691																			
A860701	0.30	185	8.2	33	2.0	1.52	5.5	0.8	4.3	1.4	1.5	1.6	0.3	0.3	30	1.0	0.2	1.1	0.2
A860708	0.23	190	10.0	35	3.7	1.15	7.9	1.3	6.3	1.6	1.8	1.8	0.3	0.4	30	1.1	0.2	1.2	0.2
A860712																			
A860738	0.26	213	13.4	40	2.2	1.31	6.6	1.0	4.8	1.3	2.0	2.4	0.4	0.6	30	1.6	0.3	1.7	0.2
A860742	0.36	180	7.7	33	1.8	1.72	5.5	0.9	4.3	1.3	1.5	1.4	0.3	0.3	< 10	1.0	0.2	1.1	0.2
A860769																			
A860778	0.49	238	7.6	29	1.8	2.24	5.1	0.9	4.3	1.4	1.5	1.5	0.3	0.3	< 10	1.0	0.1	1.0	0.2

Analyte Symbol	Au	Ag	As	Ba	Br	Co	Cr	Cs	Hf	Hg	Ir	Rb	Sb	Sc	Se	Ta	Th	U	W	La	Ce	Nd	Sm
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	5	2	50	1	1	1	0.5	0.5	1	5	20	0.2	0.1	3	1	0.5	0.5	3	0.2	3	5	0.1
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
W-2a Meas																							
W-2a Cert																							
SY-4 Meas																							
SY-4 Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
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OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 13b																							

Analyte Symbol	Au	Ag	As	Ba	Br	Co	Cr	Cs	Hf	Hg	Ir	Rb	Sb	Sc	Se	Ta	Th	U	W	La	Ce	Nd	Sm
Unit Symbol	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	5	2	50	1	1	1	0.5	0.5	1	5	20	0.2	0.1	3	1	0.5	0.5	3	0.2	3	5	0.1
Method Code	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
(4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 905 (INAA) Meas	416		34	2660		15		7.5	8.0			150	1.9			< 1	14.8	5.0	< 3	48.1	92	51	7.7
OREAS 905 (INAA) Cert	391		36.2	2800		15.3		7.10	7.26			137	1.96			1.38	14.7	5.00	3.02	48.0	96.0	40.5	7.64
OREAS 905 (INAA) Meas				2560														5.1					
OREAS 905 (INAA) Cert				2800														5.00					
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							

Analyte Symbol	Eu	Tb	Yb	Lu	Mass	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Total	Ba	Be	Sr	V	Y	Zr	Ag
Unit Symbol	ppm	ppm	ppm	ppm	g	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.5	0.1	0.05		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	0.01	2	1	2	5	1	2	0.5
Method Code	INAA	INAA	INAA	INAA	INAA	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	TD-ICP
NIST 694 Meas						11.59	1.90	0.74	0.01	0.34	42.60	0.86	0.55	0.120	30.27					1672			
NIST 694 Cert						11.2	1.80	0.790	0.0116	0.330	43.6	0.860	0.510	0.110	30.2					1740			
DNC-1 Meas						47.60	18.39	10.04	0.15	10.05	11.57	1.96	0.24	0.480	0.06		109		142	156	16	34	
DNC-1 Cert						47.15	18.34	9.97	0.150	10.13	11.49	1.890	0.234	0.480	0.070		118		144.0	148	18.0	38	
GBW 07113 Meas						71.96	13.09	3.29	0.15	0.14	0.60	2.49	5.43	0.290	0.04		500	4	41	5	46	386	
GBW 07113 Cert						72.8	13.0	3.21	0.140	0.160	0.590	2.57	5.43	0.300	0.0500		506	4.00	43.0	5.00	43.0	403	
W-2a Meas						52.80	15.54	10.75	0.16	6.25	11.14	2.27	0.63	1.070	0.11		181	< 1	195	277	20	88	
W-2a Cert						52.4	15.4	10.7	0.163	6.37	10.9	2.14	0.626	1.06	0.140		182	1.30	190	262	24.0	94.0	
SY-4 Meas						50.08	20.38	6.23	0.11	0.50	8.20	6.94	1.66	0.280	0.12		357	3	1198	7	120	548	
SY-4 Cert						49.9	20.69	6.21	0.108	0.54	8.05	7.10	1.66	0.287	0.131		340	2.6	1191	8.0	119	517	
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
BIR-1a Meas						50.85	15.58	11.58	0.17	9.45	13.65	1.82	0.02	0.980	0.01		9	< 1	111	336	14	14	
BIR-1a Cert						47.96	15.50	11.30	0.175	9.700	13.30	1.82	0.030	0.96	0.021		6	0.58	110	310	16	18	
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
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OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							42.7
OREAS 98 (4 Acid) Cert																							45.1
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 13b (4-Acid) Meas																							
OREAS 13b																							

Analyte Symbol	Eu	Tb	Yb	Lu	Mass	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Total	Ba	Be	Sr	V	Y	Zr	Ag	
Unit Symbol	ppm	ppm	ppm	ppm	g	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Lower Limit	0.1	0.5	0.1	0.05		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	0.01	2	1	2	5	1	2	0.5	
Method Code	INAA	INAA	INAA	INAA	INAA	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	TD-ICP	
(4-Acid) Cert																								
OREAS 13b (4-Acid) Meas																								
OREAS 13b (4-Acid) Cert																								
OREAS 904 (4 ACID) Meas																								
OREAS 904 (4 ACID) Cert																								
OREAS 904 (4 ACID) Meas																								
OREAS 904 (4 ACID) Cert																								
SBC-1 Meas																								
SBC-1 Cert																								
SBC-1 Meas																								
SBC-1 Cert																								
SBC-1 Meas																								
SBC-1 Cert																								
OREAS 45d (4-Acid) Meas																								
OREAS 45d (4-Acid) Cert																								
OREAS 45d (4-Acid) Meas																								
OREAS 45d (4-Acid) Cert																								
OREAS 45d (4-Acid) Meas																								
OREAS 45d (4-Acid) Cert																								
OREAS 905 (INAA) Meas		0.7	1.0																					
OREAS 905 (INAA) Cert		0.810	0.760																					
OREAS 905 (INAA) Meas																								
OREAS 905 (INAA) Cert																								
OREAS 96 (4 Acid) Meas																								
OREAS 96 (4 Acid) Cert																								
OREAS 96 (4 Acid) Meas																								
OREAS 96 (4 Acid) Cert																								
OREAS 96 (4 Acid) Meas																								
OREAS 96 (4 Acid) Cert																								
OREAS 621 (4 Acid) Meas																								
OREAS 621 (4 Acid) Cert																								
OREAS 621 (4 Acid) Meas																								

Analyte Symbol	Eu	Tb	Yb	Lu	Mass	SiO2	Al2O3	Fe2O3(T)	MnO	MgO	CaO	Na2O	K2O	TiO2	P2O5	Total	Ba	Be	Sr	V	Y	Zr	Ag
Unit Symbol	ppm	ppm	ppm	ppm	g	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.5	0.1	0.05		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.005	0.01	0.01	2	1	2	5	1	2	0.5
Method Code	INAA	INAA	INAA	INAA	INAA	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	FUS-ICP	TD-ICP
Acid) Meas																							
OREAS 621 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 247 (4 Acid) Meas																							2.3
OREAS 247 (4 Acid) Cert																							2.16
A860712 Orig						45.87	13.41	12.99	0.19	8.09	7.29	1.89	< 0.01	0.760	0.06	100.6	11	< 1	37	245	16	40	
A860712 Dup						45.81	13.12	12.95	0.19	8.15	7.44	1.87	< 0.01	0.762	0.05	100.3	11	< 1	36	241	15	42	
Method Blank	< 0.1	< 0.5	< 0.1	< 0.05	1.000																		
Method Blank						< 0.01	< 0.01	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.005	< 0.01		< 2	< 1	< 2	< 5	< 1	2	
Method Blank																							
Method Blank																							
Method Blank																							< 0.5
Method Blank																							
Method Blank																							
Method Blank																							

Analyte Symbol	Bi	Cd	Cu	Mo	Ni	Pb	S	Zn	Au	Ni	Zn	As	Br	Co	Cr	Cs	Fe	Hf	Na	Sb	Ta	Th	W
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	2	0.5	1	2	1	5	0.001	1	2	20	50	0.5	0.5	1	2	1	0.01	1	0.01	0.1	0.5	0.2	1
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
W-2a Meas																							
W-2a Cert																							
SY-4 Meas																							
SY-4 Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 101b (4 Acid) Meas																							
OREAS 101b (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas	< 2		> 10000				313	16.3	1280														
OREAS 98 (4 Acid) Cert	97.2		14800 0.0				345	15.5	1360														
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 98 (4 Acid) Meas																							
OREAS 98 (4 Acid) Cert																							
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 13b																							

Analyte Symbol	Bi	Cd	Cu	Mo	Ni	Pb	S	Zn	Au	Ni	Zn	As	Br	Co	Cr	Cs	Fe	Hf	Na	Sb	Ta	Th	W
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	2	0.5	1	2	1	5	0.001	1	2	20	50	0.5	0.5	1	2	1	0.01	1	0.01	0.1	0.5	0.2	1
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
(4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
OREAS 904 (4 ACID) Meas																							
OREAS 904 (4 ACID) Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
SBC-1 Meas																							
SBC-1 Cert																							
OREAS 45d (4-Acid) Meas	< 2		380	< 2	233	22	0.041	44															
OREAS 45d (4-Acid) Cert	0.31		371	2.500	231.0	21.8	0.049	45.7															
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 45d (4-Acid) Meas																							
OREAS 45d (4-Acid) Cert																							
OREAS 905 (INAA) Meas									384		110	34.2		15		9	4.00	7		2.1	< 0.5	15.7	< 1
OREAS 905 (INAA) Cert									391		139	36.2		15.3		7.10	4.23	7.26		1.96	1.38	14.7	3.02
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 96 (4 Acid) Meas																							
OREAS 96 (4 Acid) Cert																							
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							
OREAS 621 (4 Acid) Meas																							
OREAS 621 (4 Acid) Cert																							

Analyte Symbol	Bi	Cd	Cu	Mo	Ni	Pb	S	Zn	Au	Ni	Zn	As	Br	Co	Cr	Cs	Fe	Hf	Na	Sb	Ta	Th	W
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm
Lower Limit	2	0.5	1	2	1	5	0.001	1	2	20	50	0.5	0.5	1	2	1	0.01	1	0.01	0.1	0.5	0.2	1
Method Code	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	TD-ICP	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA	INAA
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
OREAS 522 (4 Acid) Meas																							
OREAS 522 (4 Acid) Cert																							
Oreas 77b (4 Acid Digest) Meas																							
Oreas 77b (4 Acid Digest) Cert																							
OREAS 247 (4 Acid) Meas	< 2	< 0.5	41	< 2	46	31	0.697	83															
OREAS 247 (4 Acid) Cert	0.580	0.0650	42.2	1.76	45.9	31.9	0.714	86.0															
A860712 Orig																							
A860712 Dup																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank																							
Method Blank	< 2	< 0.5	< 1	< 2	< 1	< 5	0.002	< 1															
Method Blank																							
Method Blank																							
Method Blank									< 2	< 20	< 50	< 0.5	< 0.5	< 1	< 2	< 1	< 0.01	< 1	< 0.01	< 0.1	< 0.5	< 0.2	< 1

Analyte Symbol	Mass	Ag	Cu	Cd	Mn	Pb	Ni	Zn	Ba	Be	Bi	Ca	Co	Cs	Eu	Ga	Ge	In	Li	Mg	Nb	Mo	Rb
Unit Symbol	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit		0.05	0.2	0.1	1	0.5	0.5	0.5	1	0.1	0.02	0.01	0.1	0.05	0.05	0.1	0.1	0.1	0.5	0.01	0.1	0.05	0.2
Method Code	INAA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
W-2a Meas																							
W-2a Cert																							
SY-4 Meas																							
SY-4 Cert																							
Oreas 72a (4 Acid Digest) Meas			327				> 5000						153										
Oreas 72a (4 Acid Digest) Cert			316				6930.000						157										
Oreas 72a (4 Acid Digest) Meas			321				> 5000						158										
Oreas 72a (4 Acid Digest) Cert			316				6930.000						157										
BIR-1a Meas																							
BIR-1a Cert																							
OREAS 101b (4 Acid) Meas			379		911	23.0	9.0						45.0		7.53					1.12		20.1	
OREAS 101b (4 Acid) Cert			412		927	23	8.2						45		8.1					1.23		20.1	
OREAS 101b (4 Acid) Meas			418		878	23.6	8.5						43.9		7.33					1.17		15.4	
OREAS 101b (4 Acid) Cert			412		927	23	8.2						45		8.1					1.23		20.1	
OREAS 101b (4 Acid) Meas			431		931	24.6	8.7						45.8		7.69					1.18		19.8	
OREAS 101b (4 Acid) Cert			412		927	23	8.2						45		8.1					1.23		20.1	
OREAS 101b (4 Acid) Meas			432		850	23.5	8.9						45.5		7.37					1.24		19.5	
OREAS 101b (4 Acid) Cert			412		927	23	8.2						45		8.1					1.23		20.1	
OREAS 98 (4 Acid) Meas		42.1	> 10000				299		1180			85.5		112									
OREAS 98 (4 Acid) Cert		45.1	14800.0				345		1360			97.2		121									
OREAS 98 (4 Acid) Meas		45.0	> 10000				326		1330			88.8		123									
OREAS 98 (4 Acid) Cert		45.1	14800.0				345		1360			97.2		121									
OREAS 98 (4 Acid) Meas		45.6	> 10000				313		1300			87.1		125									
OREAS 98 (4 Acid) Cert		45.1	14800.0				345		1360			97.2		121									
OREAS 13b (4-Acid) Meas		0.95	2230				2120	143						75.6								9.26	
OREAS 13b (4-Acid) Cert		0.86	2327.000				2247.000	133						75								9.0	
OREAS 13b (4-Acid) Meas		0.96	2180				2090	143						78.9								9.13	
OREAS 13b (4-Acid) Cert		0.86	2327.000				2247.000	133						75								9.0	
OREAS 13b		0.94	2200				2160	144						75.8								9.51	

Analyte Symbol	Mass	Ag	Cu	Cd	Mn	Pb	Ni	Zn	Ba	Be	Bi	Ca	Co	Cs	Eu	Ga	Ge	In	Li	Mg	Nb	Mo	Rb
Unit Symbol	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit		0.05	0.2	0.1	1	0.5	0.5	0.5	1	0.1	0.02	0.01	0.1	0.05	0.05	0.1	0.1	0.1	0.5	0.01	0.1	0.05	0.2
Method Code	INAA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
(4-Acid) Meas																							
OREAS 13b (4-Acid) Cert		0.86	2327.0000				2247.0000	133					75										9.0
OREAS 904 (4 ACID) Meas		0.58	6170		412	12.1	42.1	25.9	193	8.4	4.22	0.05	86.0	3.82		16.0	0.3	0.2	16.8	0.58		2.18	139
OREAS 904 (4 ACID) Cert		0.551	6120		410	10.6	40.1	26.3	194	7.86	4.05	0.0460	83.0	3.79		16.7	0.180	0.220	16.7	0.556		2.12	130
OREAS 904 (4 ACID) Meas		0.62	6110		405	11.2	41.8	28.1	197	8.2	4.07	0.05	85.4	3.61		15.3	0.4	0.2	16.8	0.59		2.12	127
OREAS 904 (4 ACID) Cert		0.551	6120		410	10.6	40.1	26.3	194	7.86	4.05	0.0460	83.0	3.79		16.7	0.180	0.220	16.7	0.556		2.12	130
SBC-1 Meas			31.3	0.4		35.1	81.9	192	558	3.2	0.66		22.0	8.00	1.87	24.5			177		15.6	2.75	141
SBC-1 Cert			31.0	0.40		35.0	82.8	186	788.0	3.20	0.70		22.7	8.2	1.98	27.0			163		15.3	2.40	147
SBC-1 Meas			30.8	0.4		38.2	81.3	188	673	3.1	0.67		21.8	8.28	2.00	20.8			168		13.5	1.98	137
SBC-1 Cert			31.0	0.40		35.0	82.8	186	788.0	3.20	0.70		22.7	8.2	1.98	27.0			163		15.3	2.40	147
SBC-1 Meas			31.7	0.5		39.0	87.2	200	584	3.2	0.67		22.5	8.16	1.90	23.0			170		14.1	2.96	142
SBC-1 Cert			31.0	0.40		35.0	82.8	186	788.0	3.20	0.70		22.7	8.2	1.98	27.0			163		15.3	2.40	147
OREAS 45d (4-Acid) Meas			378		465	23.5	226	43.8	169	0.7	0.33	0.18	28.5	3.76	0.63	19.7		< 0.1	20.8	0.23	< 0.1	0.10	40.3
OREAS 45d (4-Acid) Cert			371		490.000	21.8	231.0	45.7	183.0	0.79	0.31	0.185	29.50	3.910	0.57	21.20		0.096	21.5	0.245	14.50	2.500	42.1
OREAS 45d (4-Acid) Meas			399		496	23.6	241	47.2	175	0.8	0.34	0.18	30.4	3.95	0.62	21.0		< 0.1	22.4	0.25	0.5	0.35	42.1
OREAS 45d (4-Acid) Cert			371		490.000	21.8	231.0	45.7	183.0	0.79	0.31	0.185	29.50	3.910	0.57	21.20		0.096	21.5	0.245	14.50	2.500	42.1
OREAS 45d (4-Acid) Meas			370		460	21.8	238	45.6	183	0.7	0.32	0.17	28.7	3.63	0.59	19.5		< 0.1	23.1	0.25	4.1	1.02	39.0
OREAS 45d (4-Acid) Cert			371		490.000	21.8	231.0	45.7	183.0	0.79	0.31	0.185	29.50	3.910	0.57	21.20		0.096	21.5	0.245	14.50	2.500	42.1
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 96 (4 Acid) Meas		9.96	> 10000			84.0		393			24.4		44.1										
OREAS 96 (4 Acid) Cert		11.5	39300			101		457			26.3		49.9										
OREAS 96 (4 Acid) Meas		11.4	> 10000			98.3		445			26.9		47.6										
OREAS 96 (4 Acid) Cert		11.5	39300			101		457			26.3		49.9										
OREAS 96 (4 Acid) Meas		11.5	> 10000			102		463			26.8		50.6										
OREAS 96 (4 Acid) Cert		11.5	39300			101		457			26.3		49.9										
OREAS 621 (4 Acid) Meas		61.6	3370	269	465	> 5000	28.7	> 10000		1.8	4.06	1.91	28.3	3.14		20.8		1.7	15.3	0.54	9.2	13.3	72.7
OREAS 621 (4 Acid) Cert		69.0	3630	284	532	13600	26.2	52200		1.69	3.93	1.97	29.3	3.28		24.6		1.83	14.2	0.507	8.61	13.6	84.0
OREAS 621 (4 Acid) Meas		60.3	3260	270	468	> 5000	26.5	> 10000		1.8	3.97	1.81	28.4	3.21		21.7		1.7	14.6	0.52	9.0	13.4	72.7
OREAS 621 (4 Acid) Cert		69.0	3630	284	532	13600	26.2	52200		1.69	3.93	1.97	29.3	3.28		24.6		1.83	14.2	0.507	8.61	13.6	84.0

Analyte Symbol	Mass	Ag	Cu	Cd	Mn	Pb	Ni	Zn	Ba	Be	Bi	Ca	Co	Cs	Eu	Ga	Ge	In	Li	Mg	Nb	Mo	Rb
Unit Symbol	g	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Lower Limit		0.05	0.2	0.1	1	0.5	0.5	0.5	1	0.1	0.02	0.01	0.1	0.05	0.05	0.1	0.1	0.1	0.5	0.01	0.1	0.05	0.2
Method Code	INAA	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 522 (4 Acid) Meas		1.35	8450		3970	7.4	64.9	33.2		0.7	9.12	3.61	550	0.62	1.95	15.9		0.2	15.5	1.07	6.4	202	81.4
OREAS 522 (4 Acid) Cert		1.31	9160		3970	12.5	70.0	30.2		0.700	8.72	3.65	550	0.640	1.88	16.0		0.230	16.2	1.12	5.66	206	82.0
OREAS 522 (4 Acid) Meas		1.40	8720		4120	8.5	69.6	33.4		0.7	8.91	3.79	516	0.63	1.95	15.1		0.2	15.7	1.16	5.5	210	83.6
OREAS 522 (4 Acid) Cert		1.31	9160		3970	12.5	70.0	30.2		0.700	8.72	3.65	550	0.640	1.88	16.0		0.230	16.2	1.12	5.66	206	82.0
OREAS 522 (4 Acid) Meas		1.24	8650		3930	10.0	71.5	33.8		0.8	9.16	3.71	494	0.62	1.86	14.4		0.2	16.9	1.13	4.8	199	79.9
OREAS 522 (4 Acid) Cert		1.31	9160		3970	12.5	70.0	30.2		0.700	8.72	3.65	550	0.640	1.88	16.0		0.230	16.2	1.12	5.66	206	82.0
Oreas 77b (4 Acid Digest) Meas		1.51	3070	1.2	602	57.5	> 5000	215	77	0.4	3.32	3.05	1370	2.01		4.0		0.1	19.2	2.56	3.0		18.0
Oreas 77b (4 Acid Digest) Cert		1.62	3430	1.20	640	61.0	113000	205	118	0.470	3.44	3.06	1550	2.32		4.61		0.112	18.8	2.59	3.26		19.1
OREAS 247 (4 Acid) Meas																							
OREAS 247 (4 Acid) Cert																							
A860712 Orig																							
A860712 Dup																							
Method Blank																							
Method Blank																							
Method Blank		< 0.05	< 0.2	< 0.1	3	< 0.5	< 0.5	< 0.5	< 1	< 0.1	< 0.02	< 0.01	< 0.1	< 0.05	< 0.05	0.3	< 0.1	< 0.1	< 0.5	< 0.01	< 0.1	< 0.05	< 0.2
Method Blank		< 0.05	0.5	< 0.1	5	< 0.5	< 0.5	1.1	< 1	< 0.1	< 0.02	< 0.01	< 0.1	< 0.05	< 0.05	0.4	< 0.1	< 0.1	< 0.5	< 0.01	< 0.1	< 0.05	< 0.2
Method Blank		< 0.05	0.3	< 0.1	9	< 0.5	4.7	< 0.5	< 1	< 0.1	< 0.02	< 0.01	< 0.1	< 0.05	< 0.05	0.2	0.2	< 0.1	< 0.5	< 0.01	< 0.1	0.07	< 0.2
Method Blank		< 0.05	0.2	< 0.1	13	< 0.5	< 0.5	0.9	< 1	< 0.1	< 0.02	< 0.01	< 0.1	< 0.05	< 0.05	0.2	0.1	< 0.1	< 0.5	< 0.01	< 0.1	< 0.05	< 0.2
Method Blank		< 0.05	< 0.2	< 0.1	13	< 0.5	< 0.5	0.9	< 1	< 0.1	< 0.02	< 0.01	< 0.1	< 0.05	< 0.05	0.2	0.1	< 0.1	< 0.5	< 0.01	< 0.1	< 0.05	< 0.2
Method Blank	30.0																						

Analyte Symbol	Re	Se	Sn	Sr	Ta	Te	Th	Tl	U	V	Y	Zr	La	K	Ce	Pr	Nd	Sm	Gd	Dy	Tb	Ho	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.001	0.1	1	0.2	0.1	0.1	0.1	0.05	0.1	1	0.1	1	0.1	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	10
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
NIST 694 Meas																							
NIST 694 Cert																							
DNC-1 Meas																							
DNC-1 Cert																							
GBW 07113 Meas																							
GBW 07113 Cert																							
W-2a Meas																							
W-2a Cert																							
SY-4 Meas																							
SY-4 Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
Oreas 72a (4 Acid Digest) Meas																							
Oreas 72a (4 Acid Digest) Cert																							
BIR-1a Meas																							
BIR-1a Cert																							
OREAS 101b (4 Acid) Meas							35.0		382	75	131		757	2.40	1340	129	357	45.0	42.1	24.7	4.7	4.9	
OREAS 101b (4 Acid) Cert							36.4		387	77	133		754	2.36	1325	127	388	48	40	27	5.4	5.2	
OREAS 101b (4 Acid) Meas							33.7		335	62	121		680	2.33	1200	125	341	47.6	37.2	24.8	4.6	4.9	
OREAS 101b (4 Acid) Cert							36.4		387	77	133		754	2.36	1325	127	388	48	40	27	5.4	5.2	
OREAS 101b (4 Acid) Meas							35.1		353	74	125		683	2.36	1220	120	347	52.7	39.7	26.9	4.9	5.3	
OREAS 101b (4 Acid) Cert							36.4		387	77	133		754	2.36	1325	127	388	48	40	27	5.4	5.2	
OREAS 101b (4 Acid) Meas							34.8		347	75	126		701	2.31	1330	117	346	54.5	37.2	26.6	4.4	4.9	
OREAS 101b (4 Acid) Cert							36.4		387	77	133		754	2.36	1325	127	388	48	40	27	5.4	5.2	
OREAS 98 (4 Acid) Meas		157	186																				
OREAS 98 (4 Acid) Cert		158	206																				
OREAS 98 (4 Acid) Meas		126	> 200																				
OREAS 98 (4 Acid) Cert		158	206																				
OREAS 98 (4 Acid) Meas		135	196																				
OREAS 98 (4 Acid) Cert		158	206																				
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 13b (4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 13b																							

Analyte Symbol	Re	Se	Sn	Sr	Ta	Te	Th	Tl	U	V	Y	Zr	La	K	Ce	Pr	Nd	Sm	Gd	Dy	Tb	Ho	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.001	0.1	1	0.2	0.1	0.1	0.1	0.05	0.1	1	0.1	1	0.1	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	10
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
(4-Acid) Meas																							
OREAS 13b (4-Acid) Cert																							
OREAS 904 (4 Acid) Meas		2.6	3	25.2	0.2		14.6	0.54	9.1	77	32.3	167	42.1	3.56	84.5						1.1		
OREAS 904 (4 Acid) Cert		3.30	2.83	27.2	0.540		14.3	0.520	8.43	76.0	31.5	171	43.2	3.31	86.0						1.00		
OREAS 904 (4 Acid) Meas		2.5	3	26.4	0.8		14.0	0.54	8.7	78	31.7	176	42.5	3.44	88.1						0.9		
OREAS 904 (4 Acid) Cert		3.30	2.83	27.2	0.540		14.3	0.520	8.43	76.0	31.5	171	43.2	3.31	86.0						1.00		
SBC-1 Meas			4	172	1.2		14.8	0.87	5.7	244	29.3	110	45.7		98.1	12.4	47.9	9.4	8.1	6.3	1.1	1.2	
SBC-1 Cert			3.3	178.0	1.10		15.8	0.89	5.76	220.0	36.5	134.0	52.5		108.0	12.6	49.2	9.6	8.5	7.10	1.20	1.40	
SBC-1 Meas			3	171	1.2		15.1	0.87	5.6	200	29.8	117	47.9		102	13.0	48.3	10.3	8.3	6.4	1.2	1.2	
SBC-1 Cert			3.3	178.0	1.10		15.8	0.89	5.76	220.0	36.5	134.0	52.5		108.0	12.6	49.2	9.6	8.5	7.10	1.20	1.40	
SBC-1 Meas			4	176	1.3		14.6	0.89	5.6	209	30.3	117	45.6		97.1	12.4	46.3	9.4	8.0	6.5	1.2	1.2	
SBC-1 Cert			3.3	178.0	1.10		15.8	0.89	5.76	220.0	36.5	134.0	52.5		108.0	12.6	49.2	9.6	8.5	7.10	1.20	1.40	
OREAS 45d (4-Acid) Meas			< 1	30.4	< 0.1		14.0	0.25	2.7	62	10.8	40	16.9	0.40	37.3	4.1	14.3	2.8	2.4	2.4	0.4	0.5	
OREAS 45d (4-Acid) Cert			2.78	31.30	1.02		14.5	0.27	2.63	235.0	9.53	141	16.9	0.412	37.20	3.70	13.4	2.80	2.42	2.26	0.400	0.46	
OREAS 45d (4-Acid) Meas			< 1	30.6	< 0.1		14.6	0.25	2.9	103	11.3	88	16.3	0.42	35.9	4.1	14.2	3.0	2.6	2.5	0.4	0.5	
OREAS 45d (4-Acid) Cert			2.78	31.30	1.02		14.5	0.27	2.63	235.0	9.53	141	16.9	0.412	37.20	3.70	13.4	2.80	2.42	2.26	0.400	0.46	
OREAS 45d (4-Acid) Meas			< 1	31.0	0.1		13.6	0.26	2.8	173	10.5	132	17.2	0.40	38.4	3.9	14.1	2.6	2.5	2.3	0.4	0.4	
OREAS 45d (4-Acid) Cert			2.78	31.30	1.02		14.5	0.27	2.63	235.0	9.53	141	16.9	0.412	37.20	3.70	13.4	2.80	2.42	2.26	0.400	0.46	
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 905 (INAA) Meas																							
OREAS 905 (INAA) Cert																							
OREAS 96 (4 Acid) Meas		36.5	58																				
OREAS 96 (4 Acid) Cert		40.7	65.6																				
OREAS 96 (4 Acid) Meas		31.6	65																				
OREAS 96 (4 Acid) Cert		40.7	65.6																				
OREAS 96 (4 Acid) Meas		34.5	68																				
OREAS 96 (4 Acid) Cert		40.7	65.6																				
OREAS 621 (4 Acid) Meas		4.6	5	66.9			5.2	2.13	2.9	32	10.9	167	18.7	1.71	46.9						0.5		
OREAS 621 (4 Acid) Cert		5.64	5.25	91.0			7.48	1.96	2.83	31.8	11.1	168	21.6	2.20	46.6						0.460		
OREAS 621 (4 Acid) Meas		4.4	6	83.8			6.6	2.13	2.8	32	12.6	167	22.6	1.76	49.6						0.5		
OREAS 621 (4 Acid) Cert		5.64	5.25	91.0			7.48	1.96	2.83	31.8	11.1	168	21.6	2.20	46.6						0.460		

Analyte Symbol	Re	Se	Sn	Sr	Ta	Te	Th	Tl	U	V	Y	Zr	La	K	Ce	Pr	Nd	Sm	Gd	Dy	Tb	Ho	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.001	0.1	1	0.2	0.1	0.1	0.1	0.05	0.1	1	0.1	1	0.1	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	10
Method Code	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 522 (4 Acid) Meas	0.100	3.0	10	101	0.5	0.7	4.0	0.28	42.9	160	18.1	116	67.5	2.88	84.6	8.0	26.1	4.4	4.4	3.2	0.6	0.7	
OREAS 522 (4 Acid) Cert	0.0980	2.74	9.32	199	0.440	1.14	7.53	0.290	42.2	164	18.5	112	171	2.83	148	9.76	27.2	4.17	3.87	3.24	0.590	0.660	
OREAS 522 (4 Acid) Meas	0.100	2.8	10	86.0	0.5	0.8	3.6	0.29	40.6	162	18.3	121	61.7	2.95	76.7	7.9	25.1	4.2	4.1	3.7	0.6	0.7	
OREAS 522 (4 Acid) Cert	0.0980	2.74	9.32	199	0.440	1.14	7.53	0.290	42.2	164	18.5	112	171	2.83	148	9.76	27.2	4.17	3.87	3.24	0.590	0.660	
OREAS 522 (4 Acid) Meas	0.096	2.2	9	65.8	0.3	0.4	2.0	0.31	39.8	167	18.7	121	43.3	2.81	67.4	6.9	24.2	4.0	3.8	3.4	0.6	0.7	
OREAS 522 (4 Acid) Cert	0.0980	2.74	9.32	199	0.440	1.14	7.53	0.290	42.2	164	18.5	112	171	2.83	148	9.76	27.2	4.17	3.87	3.24	0.590	0.660	
Oreas 77b (4 Acid Digest) Meas	0.020		1	34.9	0.3	1.1	6.0	1.42	1.8	24	6.9	41	15.5	0.33	28.6								
Oreas 77b (4 Acid Digest) Cert	0.0220		1.59	34.4	0.280	1.35	6.61	1.37	1.71	33.6	6.55	37.9	15.8	0.361	27.7								
OREAS 247 (4 Acid) Meas																							
OREAS 247 (4 Acid) Cert																							
A860712 Orig																							
A860712 Dup																							
Method Blank																							
Method Blank																							
Method Blank	< 0.001	1.0	< 1	0.2	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	2	< 0.1	< 1	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	90
Method Blank	< 0.001	0.6	< 1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 10
Method Blank	< 0.001	0.6	< 1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	20
Method Blank	< 0.001	< 0.1	< 1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 1	< 0.1	< 1	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	40
Method Blank	< 0.001	< 0.1	< 1	< 0.2	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	1	< 0.1	< 1	< 0.1	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	40
Method Blank																							

Analyte Symbol	Er	Tm	Yb	Lu
Unit Symbol	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS
NIST 694 Meas				
NIST 694 Cert				
DNC-1 Meas				
DNC-1 Cert				
GBW 07113 Meas				
GBW 07113 Cert				
W-2a Meas				
W-2a Cert				
SY-4 Meas				
SY-4 Cert				
Oreas 72a (4 Acid Digest) Meas				
Oreas 72a (4 Acid Digest) Cert				
Oreas 72a (4 Acid Digest) Meas				
Oreas 72a (4 Acid Digest) Cert				
BIR-1a Meas				
BIR-1a Cert				
OREAS 101b (4 Acid) Meas	15.2	2.0	13.5	1.7
OREAS 101b (4 Acid) Cert	15	2.08	13.9	1.96
OREAS 101b (4 Acid) Meas	13.9	2.1	12.5	1.8
OREAS 101b (4 Acid) Cert	15	2.08	13.9	1.96
OREAS 101b (4 Acid) Meas	15.0	2.1	13.0	1.8
OREAS 101b (4 Acid) Cert	15	2.08	13.9	1.96
OREAS 101b (4 Acid) Meas	14.1	2.1	13.3	1.7
OREAS 101b (4 Acid) Cert	15	2.08	13.9	1.96
OREAS 98 (4 Acid) Meas				
OREAS 98 (4 Acid) Cert				
OREAS 98 (4 Acid) Meas				
OREAS 98 (4 Acid) Cert				
OREAS 98 (4 Acid) Meas				
OREAS 98 (4 Acid) Cert				
OREAS 13b (4-Acid) Meas				
OREAS 13b (4-Acid) Cert				
OREAS 13b (4-Acid) Meas				
OREAS 13b (4-Acid) Cert				
OREAS 13b				

Analyte Symbol	Er	Tm	Yb	Lu
Unit Symbol	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS
(4-Acid) Meas				
OREAS 13b (4-Acid) Cert				
OREAS 904 (4 ACID) Meas			3.2	0.5
OREAS 904 (4 ACID) Cert			3.14	0.470
OREAS 904 (4 ACID) Meas			3.1	0.5
OREAS 904 (4 ACID) Cert			3.14	0.470
SBC-1 Meas	3.6	0.5	3.5	0.5
SBC-1 Cert	3.80	0.56	3.64	0.54
SBC-1 Meas	3.5	0.5	3.3	0.5
SBC-1 Cert	3.80	0.56	3.64	0.54
SBC-1 Meas	3.6	0.5	3.3	0.5
SBC-1 Cert	3.80	0.56	3.64	0.54
OREAS 45d (4-Acid) Meas	1.3		1.4	0.2
OREAS 45d (4-Acid) Cert	1.38		1.33	0.18
OREAS 45d (4-Acid) Meas	1.5		1.5	0.2
OREAS 45d (4-Acid) Cert	1.38		1.33	0.18
OREAS 45d (4-Acid) Meas	1.3		1.4	0.2
OREAS 45d (4-Acid) Cert	1.38		1.33	0.18
OREAS 905 (INAA) Meas				
OREAS 905 (INAA) Cert				
OREAS 905 (INAA) Meas				
OREAS 905 (INAA) Cert				
OREAS 96 (4 Acid) Meas				
OREAS 96 (4 Acid) Cert				
OREAS 96 (4 Acid) Meas				
OREAS 96 (4 Acid) Cert				
OREAS 96 (4 Acid) Meas				
OREAS 96 (4 Acid) Cert				
OREAS 621 (4 Acid) Meas			0.9	0.1
OREAS 621 (4 Acid) Cert			0.990	0.140
OREAS 621 (4 Acid) Meas			1.0	0.2
OREAS 621 (4 Acid) Cert			0.990	0.140

Analyte Symbol	Er	Tm	Yb	Lu
Unit Symbol	ppm	ppm	ppm	ppm
Lower Limit	0.1	0.1	0.1	0.1
Method Code	TD-MS	TD-MS	TD-MS	TD-MS
OREAS 522 (4 Acid) Meas	2.0	0.3	2.1	0.3
OREAS 522 (4 Acid) Cert	1.97	0.280	1.97	0.310
OREAS 522 (4 Acid) Meas	2.0	0.3	2.0	0.3
OREAS 522 (4 Acid) Cert	1.97	0.280	1.97	0.310
OREAS 522 (4 Acid) Meas	2.0	0.3	2.0	0.3
OREAS 522 (4 Acid) Cert	1.97	0.280	1.97	0.310
Oreas 77b (4 Acid Digest) Meas				
Oreas 77b (4 Acid Digest) Cert				
OREAS 247 (4 Acid) Meas				
OREAS 247 (4 Acid) Cert				
A860712 Orig				
A860712 Dup				
Method Blank				
Method Blank				
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank	< 0.1	< 0.1	< 0.1	< 0.1
Method Blank				



Report No.: A21-20203
Report Date: 22-Nov-21
Date Submitted: 26-Oct-21
Your Reference: Platinex

Platinex Inc.
807 William Roe Blvd
Newmarket ON L3Y 5V6
Canada

ATTN: James R trusler Trusler

CERTIFICATE OF ANALYSIS

242 Soil samples were submitted for analysis.

Table with 2 columns: The following analytical package(s) were requested: and Testing Date:
1A2B-30-Dryden QOP AA-Au (Au - Fire Assay AA) 2021-11-04 12:04:28

REPORT A21-20203

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3



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264 Government Road, Dryden, Ontario, Canada, P8N 2R3
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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Report No.: A21-20203
Report Date: 22-Nov-21
Date Submitted: 26-Oct-21
Your Reference: Platinex

Platinex Inc.
807 William Roe Blvd
Newmarket ON L3Y 5V6
Canada

ATTN: James R trusler Trusler

CERTIFICATE OF ANALYSIS

242 Soil samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
UT-1-15g	QOP Ultratrace-1 (Aqua Regia ICPMS)	2021-11-12 21:02:09

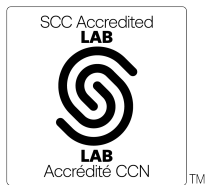
REPORT A21-20203

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Notes:

Assays are recommended for values above the upper limit. The Au from AR-MS is for information purposes, for accurate Au fire assay 1A2 should be requested.

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3



LabID: 266

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CERTIFIED BY:

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Results

Activation Laboratories Ltd.

Report: A21-20203

Analyte Symbol	Au	Ti	S	P	Li	Be	B	Na	Mg	Al	K	Bi	Ca	Sc	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga
Unit Symbol	ppb	%	%	%	ppm	ppm	ppm	%	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
Lower Limit	5	0.001	1	0.001	0.1	0.1	1	0.001	0.01	0.01	0.01	0.02	0.01	0.1	1	1	1	0.01	0.1	0.1	0.2	0.1	0.02
Method Code	FA-AA	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
269705		0.048	< 1	0.013	3.5	< 0.1	1	0.054	0.11	0.71	0.05	0.09	0.13	1.4	32	25	96	1.24	2.8	8.7	7.6	12.7	5.04
269706		0.081	< 1	0.031	9.7	0.2	2	0.034	0.22	1.55	0.05	0.08	0.18	1.9	29	31	91	1.73	4.0	14.5	6.8	26.3	4.07
269707		0.097	< 1	0.029	9.6	0.3	2	0.044	0.19	1.47	0.07	0.09	0.20	1.9	35	31	207	2.06	3.8	13.9	10.4	34.9	4.95
269708		0.106	< 1	0.044	16.7	0.3	3	0.043	0.84	1.57	0.07	0.08	0.33	4.7	44	83	386	2.63	13.2	50.3	18.7	31.5	4.06
269709		0.088	< 1	0.023	13.0	0.3	3	0.052	0.37	1.12	0.07	0.07	0.45	3.5	30	35	898	1.61	6.2	18.1	10.3	14.9	2.99
269710		0.098	< 1	0.014	8.2	0.1	1	0.047	0.16	0.77	0.06	0.07	0.21	1.6	26	21	90	1.24	2.6	9.0	4.2	8.7	4.08
269711		0.104	< 1	0.030	11.6	0.3	2	0.043	0.39	1.38	0.06	0.08	0.33	2.7	40	38	197	2.06	6.9	20.9	7.9	16.3	4.66
269712		0.126	< 1	0.027	13.9	0.1	3	0.057	0.51	1.33	0.09	0.09	0.28	3.4	52	45	273	2.42	7.0	21.5	9.3	30.6	6.13
269713		0.108	< 1	0.041	15.2	0.2	3	0.043	0.51	1.56	0.06	0.08	0.24	3.7	49	46	364	2.68	7.4	18.6	8.5	39.6	4.98
269714		0.080	< 1	0.057	8.3	0.2	2	0.030	0.27	1.42	0.05	0.06	0.20	1.8	33	34	128	1.78	3.4	12.8	6.2	28.1	3.79
269715		0.083	< 1	0.046	9.7	0.2	2	0.035	0.24	1.75	0.05	0.07	0.17	2.2	30	31	101	1.75	3.2	11.8	7.7	16.6	3.51
269716		0.093	< 1	0.034	10.6	0.3	2	0.036	0.18	2.15	0.05	0.07	0.18	2.2	33	33	104	1.78	3.8	11.4	5.0	13.9	4.49
269717		0.108	< 1	0.023	9.5	0.2	2	0.039	0.18	1.52	0.06	0.09	0.19	2.0	33	24	101	1.58	3.3	9.3	4.2	14.5	5.20
269718		0.093	< 1	0.025	11.4	0.2	2	0.040	0.37	1.13	0.08	0.09	0.19	2.7	43	37	270	2.26	5.2	15.7	8.0	20.1	5.36
269719		< 0.001	< 1	0.072	26.3	0.2	< 1	0.045	0.64	3.22	0.07	0.05	0.19	24.9	196	33	1660	9.96	39.5	30.7	59.1	79.7	10.7
269720		0.030	< 1	0.091	29.3	0.5	3	0.025	0.72	3.10	0.05	0.22	1.04	11.7	63	43	1720	4.52	30.6	33.0	79.7	43.9	4.96
269721		0.016	< 1	0.031	17.1	0.2	3	0.052	0.32	1.78	0.06	0.09	0.32	10.6	93	19	1730	7.48	34.3	19.2	45.9	48.0	7.03
269722		0.019	< 1	0.033	21.6	0.2	2	0.048	0.53	2.68	0.10	0.06	0.11	12.5	129	30	786	6.67	24.6	23.5	37.6	49.0	9.21
269723		0.046	< 1	0.056	27.6	0.3	2	0.029	0.79	3.22	0.07	0.21	0.19	10.8	114	32	553	6.48	23.9	18.6	45.5	55.3	8.86
269724		0.097	< 1	0.031	9.3	0.2	2	0.042	0.14	1.83	0.06	0.08	0.18	2.4	34	26	74	1.56	2.8	8.9	5.5	15.2	5.22
269725		0.067	< 1	0.031	9.9	0.3	2	0.057	0.33	1.05	0.07	0.06	0.57	3.1	24	32	234	1.29	5.1	16.4	12.8	18.3	2.53
269726		0.124	< 1	0.023	10.3	0.2	3	0.050	0.29	1.04	0.08	0.08	0.44	2.7	32	29	228	1.46	4.2	13.5	4.3	14.3	4.52
269727		0.145	< 1	0.009	6.5	0.1	2	0.037	0.12	1.12	0.07	0.10	0.19	1.9	47	20	92	1.54	1.8	5.5	7.6	14.1	7.41
269728		0.146	< 1	0.007	6.3	0.1	2	0.048	0.12	1.07	0.06	0.10	0.16	1.8	48	22	84	1.66	2.6	7.9	6.4	11.7	7.79
269729		0.105	< 1	0.028	13.1	0.2	2	0.047	0.44	1.34	0.08	0.06	0.47	5.0	53	29	493	2.63	10.5	19.3	24.7	34.2	4.65
269730		0.118	< 1	0.035	15.2	0.3	3	0.051	0.49	1.45	0.09	0.08	0.34	3.4	39	45	518	2.08	8.0	22.9	7.4	42.3	4.51
269731		0.106	< 1	0.021	8.9	0.2	2	0.041	0.14	1.48	0.07	0.08	0.18	2.2	34	25	184	1.64	2.9	8.0	3.5	14.4	5.93
269732		0.151	< 1	0.032	8.8	0.2	3	0.039	0.28	1.31	0.07	0.11	0.20	2.3	61	33	371	2.47	4.7	12.7	5.5	18.3	9.11
269733		0.099	< 1	0.029	9.6	0.3	2	0.038	0.23	2.14	0.05	0.06	0.18	2.4	27	34	86	1.70	4.3	14.9	7.7	16.6	3.73
269734		0.059	< 1	0.040	9.5	0.2	2	0.055	0.33	1.22	0.07	0.06	0.45	2.8	23	31	148	1.09	5.5	14.3	8.9	18.5	3.43
269735		0.105	< 1	0.010	8.1	0.2	2	0.060	0.31	0.96	0.06	0.04	0.36	2.3	18	25	172	1.05	4.1	12.8	4.8	14.6	2.78
269736		0.097	< 1	0.040	7.5	0.3	2	0.030	0.20	2.09	0.04	0.06	0.18	2.3	30	33	69	1.63	3.5	12.1	6.6	11.4	4.56
269737		0.093	< 1	0.043	8.2	0.2	2	0.053	0.21	1.41	0.07	0.07	0.18	2.4	34	33	146	1.86	3.9	10.3	6.0	19.5	4.07
269738		0.014	< 1	0.042	6.6	0.2	1	0.033	0.09	1.40	0.08	0.08	0.08	1.9	25	16	121	1.99	2.4	6.0	6.8	21.6	4.01
9001	319																						
9002	899																						
9003	181																						
9004	31																						