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**LAKE BOTTOM SEDIMENT AND ROCK GEOCHEMISTRY SURVEY
on the
NEEPAWA WINGS PROJECT
DRAYTON TOWNSHIP and PARNES LAKE AREA, ONTARIO
PATRICIA MINING DIVISION
NTS 52J04
For
2826738 ONTARIO INC.**

**1 Black Bear Road
Sioux Lookout, ON
P8T 1B3**



By

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October 2021

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SUMMARY

This report describes the lake sediment geochemistry, prospecting and rock sampling program undertaken on 2826738 Ontario Incorporated's mineral exploration claims ("Neepawa Wings" Project) in the Abrams-Minnitaki Lake area, near Sioux Lookout, within Drayton Township and Parnes Lake Area. The exploration program was conducted intermittently from August 17th to August 22nd, 2021 by a four-man crew (4 crew days total), largely by boat and short shoreline traverses from a central base on Maxwell Island. The work was performed by company personnel; no contractors were used.

The purpose of the program was to follow-up the historical OGS lake sediment survey (MRD88, 2001) and extend its coverage further to the south over the remainder of the Project area. The main idea was to try and trace known Au mineralization that is located onshore (e.g. Burnt Hut Island, Neepawa Island, Vaughn, Forster-Diorite) along strike on the postulated offshore extensions of the mineralized structures. Furthermore, the exceptionally low lake water levels at this time permitted good access to and sampling of some offshore reefs, islands and shoreline outcrops that are normally under water.

A total of 40 lake-bottom sediment samples were collected by boat, using a hand-held GPS (NAD83, Zone 15), the boat's sonar depth finder to more accurately locate the local lake bottom sub-basins (and record their depth), and a "Hornbrook-Type" torpedo-shaped sampler. The sampler was launched and retrieved by hand, on a depth-marked rope. The sample assays returned a maximum "anomalous" value of 1.5 ppb Au with some associated weak pathfinder anomalies in As, Mo and W. Furthermore, the historical Au-anomalous samples in the OGS survey located in the Golden Row claims along the north edge of the project area were not duplicated in the current survey, suggesting that the Hornbrook sampler was not penetrating deep enough to get a representative sample, or that the 2021 samples should additionally have been analysed using the Neutron Activation method.

From the onshore rock samples collected (13 total), which included many sulphide-bearing quartz-carbonate veins and sulphidized porphyry dykes, a disappointing maximum value of 29 ppb Au was returned. The samples were collected by typical hammer and chisel method, with locations again being recorded by hand-held GPS.

PROPERTY DESCRIPTION, LOCATION AND OWNERSHIP

The Neepawa Wings Project consists of four property groups (Neepawa West, Neepawa East, Chutes Gold, and Golden Row) totalling 126 mineral cells located in the Drayton Township and/or the Parnes Lake Area of the Patricia Mining Division of Ontario. The claim groups cumulative areas comprises approximately of 2500 hectares (figure 1).

The property is situated within and immediately South of Sioux Lookout Ontario, 265km northwest of Thunder Bay and 1,200 km northwest of Toronto, Ontario.

The mineral cells are numbered as follows: Neepawa West 612822 – 612838. 612884 – 612923, and 612696, Neepawa East 612775 – 612812, Chutes Gold 657306 – 657309, and Golden Row 657310 – 657326 (table 1). All claims are 100% owned by 2826738 Ontario Inc.

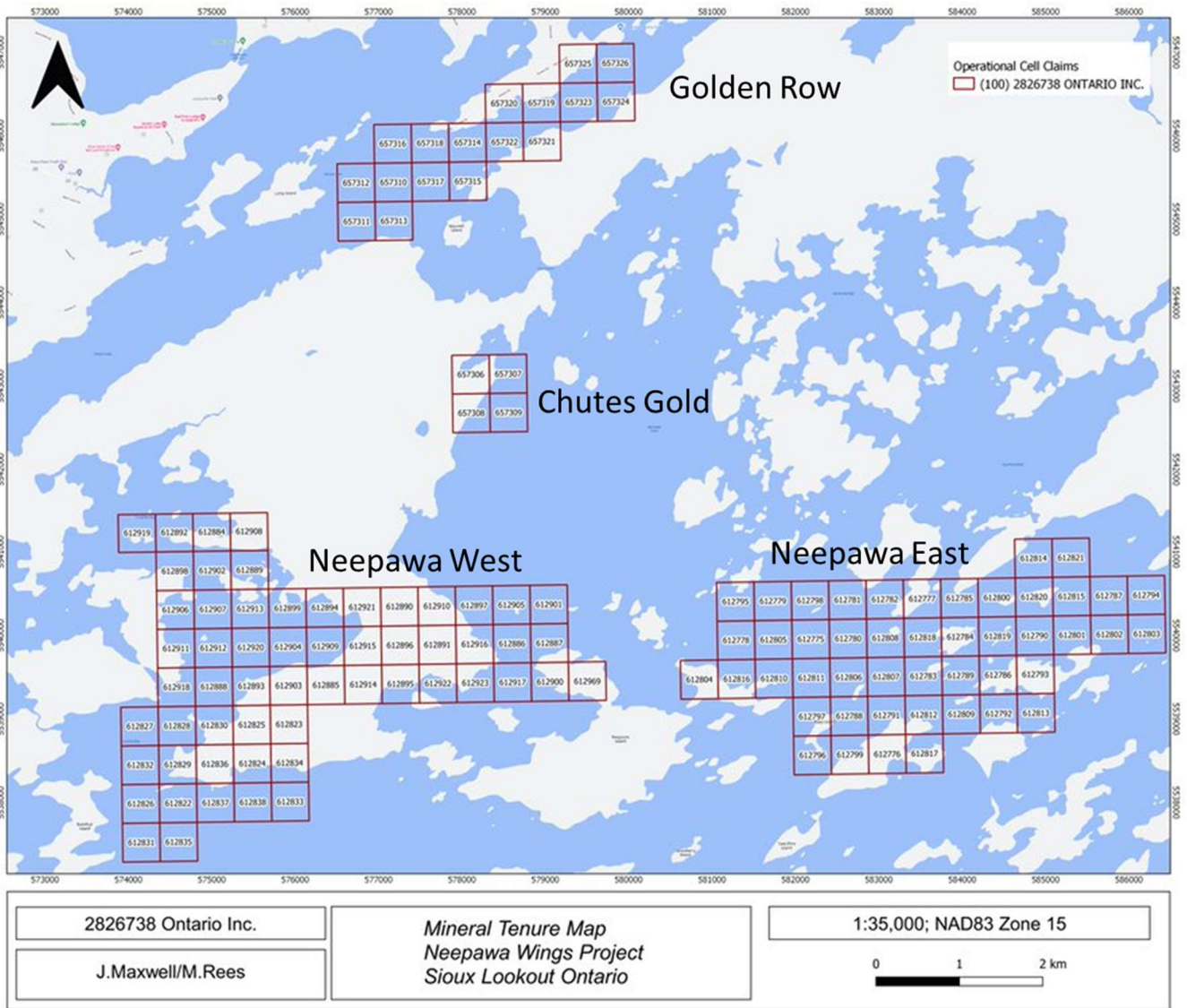


Figure 1- Mineral Tenure Map

Table 1 - Mineral Tenure Listing and Status

Property	Township / Area	Claim ID	Tenure Type	Anniversary Date	Ownership
Golden Row	DRAYTON	657326	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.
Golden Row	DRAYTON	657325	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.
Golden Row	DRAYTON	657324	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.
Golden Row	DRAYTON	657323	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.
Golden Row	DRAYTON	657322	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.
Golden Row	DRAYTON	657321	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.

Property	Township / Area	Claim ID	Tenure Type	Anniversary Date	Ownership
Golden Row	DRAYTON	657320	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.
Golden Row	DRAYTON	657319	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.
Golden Row	DRAYTON	657318	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.
Golden Row	DRAYTON	657317	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.
Golden Row	DRAYTON	657316	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.
Golden Row	DRAYTON	657315	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.
Golden Row	DRAYTON	657314	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.
Golden Row	DRAYTON	657313	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.
Golden Row	DRAYTON	657312	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.
Golden Row	DRAYTON	657311	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.
Golden Row	DRAYTON	657310	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.
Chutes Gold	DRAYTON	657309	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.
Chutes Gold	DRAYTON	657308	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.
Chutes Gold	DRAYTON	657307	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.
Chutes Gold	DRAYTON	657306	Single Cell Mining Claim	2023-05-14	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612969	Single Cell Mining Claim	2022-09-18	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612923	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612922	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612921	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612920	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612919	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612918	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612917	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612916	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612915	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612914	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612913	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612912	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612911	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612910	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612909	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612908	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.

Property	Township / Area	Claim ID	Tenure Type	Anniversary Date	Ownership
Neepawa West	PARNES LAKE AREA	612907	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612906	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612905	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612904	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612903	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612902	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612901	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612900	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612899	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612898	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612897	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612896	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612895	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612894	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612893	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612892	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612891	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612890	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612889	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612888	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612887	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612886	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612885	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612884	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612838	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612837	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612836	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.

Property	Township / Area	Claim ID	Tenure Type	Anniversary Date	Ownership
Neepawa West	PARNES LAKE AREA	612835	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612834	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612833	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612832	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612831	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612830	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612829	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612828	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612827	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612826	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612825	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612824	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612823	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa West	PARNES LAKE AREA	612822	Single Cell Mining Claim	2022-09-17	2826738 Ontario Inc.
Neepawa East	DRAYTON	612821	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	DRAYTON,PARNES LAKE AREA	612820	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612819	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	DRAYTON,PARNES LAKE AREA	612818	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612817	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612816	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	DRAYTON,PARNES LAKE AREA	612815	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	DRAYTON	612814	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612813	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612812	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612811	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612810	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612809	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	DRAYTON,PARNES LAKE AREA	612808	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.

Property	Township / Area	Claim ID	Tenure Type	Anniversary Date	Ownership
Neepawa East	PARNES LAKE AREA	612807	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612806	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	DRAYTON,PARNES LAKE AREA	612805	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612804	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612803	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612802	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612801	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	DRAYTON,PARNES LAKE AREA	612800	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612799	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	DRAYTON	612798	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612797	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612796	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	DRAYTON,PARNES LAKE AREA	612795	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	DRAYTON,PARNES LAKE AREA	612794	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612793	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612792	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612791	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612790	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612789	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612788	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	DRAYTON,PARNES LAKE AREA	612787	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612786	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	DRAYTON,PARNES LAKE AREA	612785	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	DRAYTON,PARNES LAKE AREA	612784	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612783	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	DRAYTON	612782	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	DRAYTON	612781	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	DRAYTON,PARNES LAKE AREA	612780	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.

Property	Township / Area	Claim ID	Tenure Type	Anniversary Date	Ownership
Neepawa East	DRAYTON, PARNES LAKE AREA	612779	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612778	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	DRAYTON	612777	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	PARNES LAKE AREA	612776	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.
Neepawa East	DRAYTON, PARNES LAKE AREA	612775	Single Cell Mining Claim	2022-09-16	2826738 Ontario Inc.

ACCESSIBILITY, CLIMATE, LOCAL RESOURCES, INFRASTRUCTURE AND PHYSIOGRAPHY

The project is accessible from the town of Sioux Lookout seasonally by boat and road during the spring through the fall periods, and by road and snowmobile over ice covered lake access during the winter period. A winter ice road crosses through the Golden Row property claims annually each year with access typically reliable from January to March.

Supplies and manpower may be obtained locally in Sioux Lookout or Hudson Ontario, and in the more distant communities of Kenora, Dryden or Thunder Bay. Electrical power grids, provincial highway (Hwy 72), railway, and an airport are located within 10km of the central point of the project area.

Topography consists of typical northwestern Ontario taiga forest, with low rolling wooded hills interspersed with swampy valleys. Tree cover consists mainly of spruce and pine, with lesser amounts of poplar and birch. Much of the claim group is located around the shorelines and lake cover of Abram and Minnitaki Lakes with depths ranging from a single meter to approximately 25 meters.

Climate is also typical of northwestern Ontario, with cold, moderately snowy winters and warm to hot summer months. Temperature extremes range from -40° in winter to +32° in mid-summer.

HISTORY

Regional exploration history of the Neepawa Wings Project area is referenced to follow on a staking rush that occurred during the 1950 underground development and discovery at the Newlund Mine located approximately 20km to the West. During this period approximately 1500 claims were staked regionally (Chisholm, 1950) with prospecting leading to the initial discovery of a gold showing on Neepawa Island. Exploration surrounding the geological setting of the gold showing at Neepawa Island has been the subject of a moderate amount of work and

advancement with variable reporting surrounding the showing area and regional trends during several periods since its discovery (table 2).

Table 2 - Summary of regional exploration history.

Year	Company	Work Description
1950	Central Manitoba Mines	Diamond Drilling (18 holes) and Trenching
1951	Kelore Mines Ltd.	Ground Magnetic Survey
1951	Macdonald Property	Diamond Drilling (24 holes)
1957	Neepawa Island Gold Mines	Diamond Drilling (18 holes)
1961	Asarco Exploration	Diamond Drilling (4 holes) and Mapping
1961	OGS	Magnetic Airbourne Survey
1963	Delnite Mines Ltd.	Diamond Drilling (8 holes)
1970	Conecho Mines Ltd.	Mapping and Sampling
1981	Mid Canada Exploration	Magnetic and VLF Survey
1981	Denison Mines Ltd.	Diamond Drilling (2 holes) 184m
1983	Golden Range Resources	Diamond Drilling (5 holes) 177m
1990	Chester Kuryliw	Diamond Drilling (1 hole) 146m
2006	Ginguro Exploration Inc.	Induced Polarization Survey
2007	Ginguro Exploration Inc.	Stripping and Trenching
2008	Ginguro Exploration Inc.	Diamond Drilling (12 holes) 3033m

REGIONAL & PROPERTY GEOLOGY

Geology of the Neepawa Wings Project is located in the Vermillion and Minnitaki Lake Area, a regional belt of Archean aged metavolcanic and metasedimentary rock sequences summarized from Winter L.D.S. (Winter. L.D.S 2007). The majority of the property is under water cover and therefore local geology is less resolved with interpretations being largely inferred from regional trends or where shorelines are conducive to mapping.

“The regional metavolcanic-metasedimentary belt is 15 to 20 miles wide in the vicinity of Sioux Lookout and is over 200 miles in length extending from the Lake of the Woods area in the southwest to the vicinity of Savant Lake to the northeast. There are two main metavolcanic belts in the Vermillion and Minnitaki Lake Area and each is bordered on the south by metasediments. The metasediments south of the northern Vermillion and Pelican Lakes metavolcanic belt extending through and south from Sioux Lookout, consist of an older sequence of metasediments and pyroclastics called the Patara metasediments that rest disconformably on the metavolcanics and a younger sequence called the Abram metasediments that rest unconformably upon the Patara rocks and the metavolcanics or are in fault contact with them. The metasediments bordering the southern or Minnitaki Belt of metavolcanics are probably correlative with the younger Abram metasediments and are unconformable on or are in fault contact with the metavolcanics.”

Structurally a major regional trend is identified in the Ruby Island – East Bay Twinflower Fault Zone that occurs coincident with the Southwestern arm of Minnitaki Lake and is interpreted within the Southern property group(s). A second trend occurs further north within the northernmost property group along the arm of Abram Lake.

LAKE BOTTOM SAMPLING PROGRAM

During the period of August 17 – August 22, 2021 lake bottom sediment sampling and geological prospecting programs were conducted. Through these programs a total of 40 lake bottom sediment samples (figure 2) and 13 rock grab samples (figures 3) were collected with 7 of the grab samples occurring on open crown land off of the project properties. Work was completed by a four (4) person crew (C.Barr, G.Maxwell, D.Morgan, and M.Rees) over the work period with conducive lake sampling conditions on August 17, 19, 20, and 22, 2021 coupled with intervening periods of sample location scouting, equipment calibrating, servicing and testing, and sample drying and packaging on August 18 and 21, 2021.

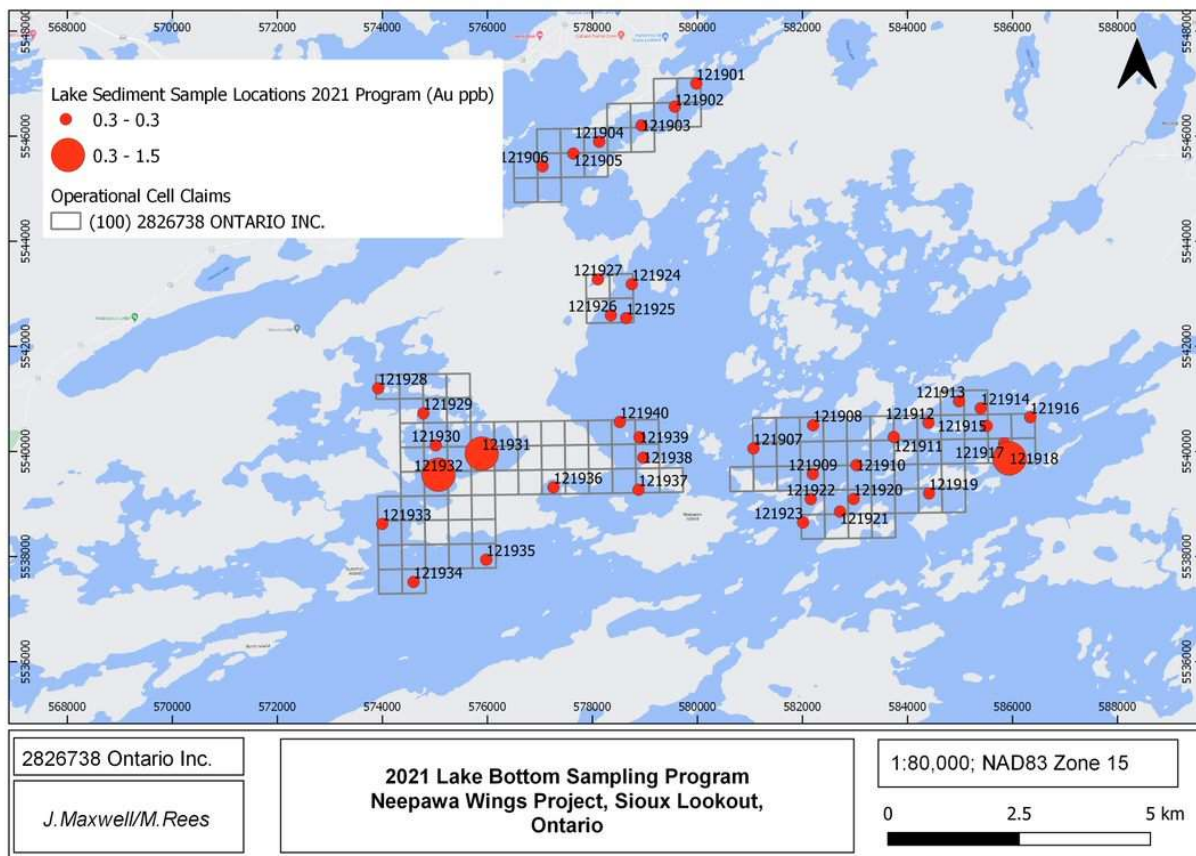


Figure 2 - Lake Bottom Sediment Location Plan Map

Lake bottom sediments were collected using a weighted “Hornbrook” type “torpedo” lake sediment sampler, dropped by rope from an aluminum boat on bathymetry interpreted basin collection points on Abram and Minnitaki Lakes. Using the Ontario Government publically available bathymetry data, sample points were planned to test the main and local sub-basinal areas of the lakes; this was confirmed at the sites using the boat’s onboard sonar to try and centre on the deepest part of the basin. Sample depths (in feet) were recorded from the sonar at each sample point. Samples of approximately 0.5kg of lake bottom material were placed into plastic sample bags with identification sample tags. Each sample location was documented by identification tag and handheld GPS using UTM coordinates (see figure 2 and table 3).

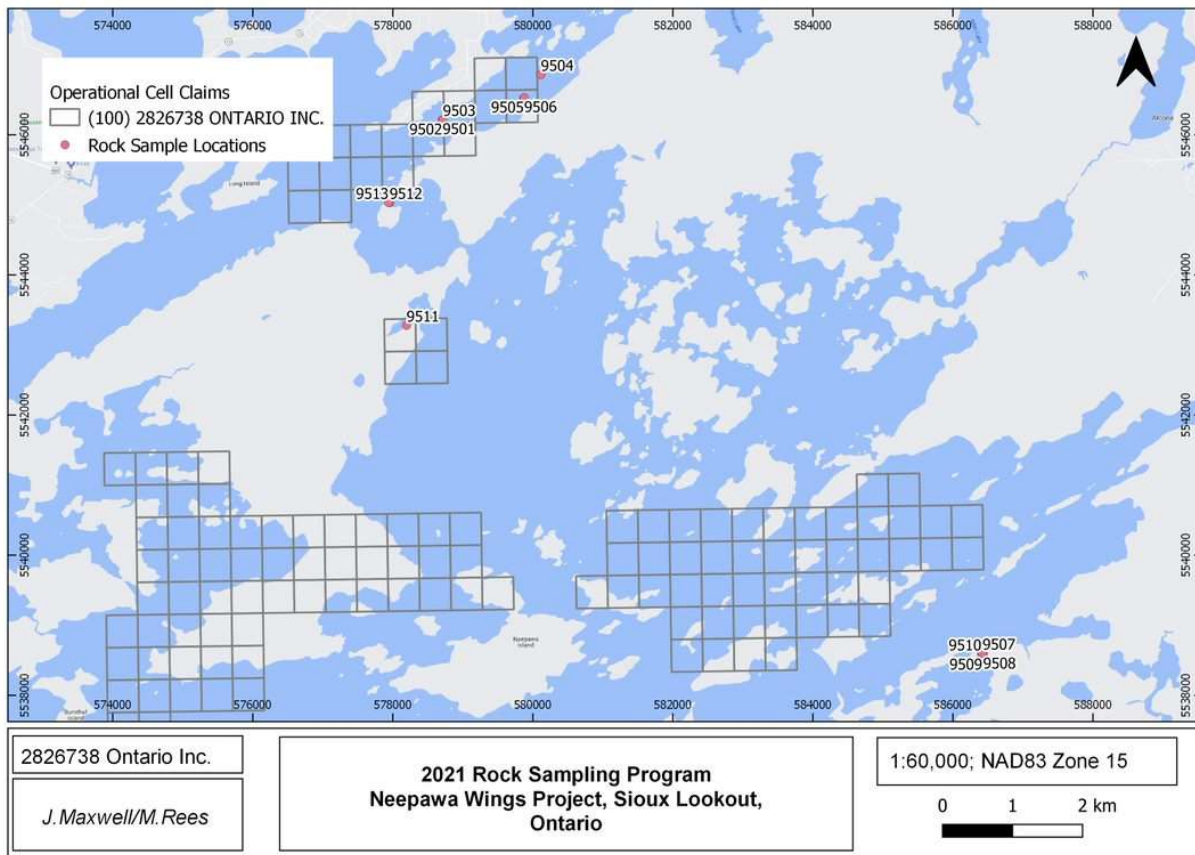


Figure 3 - Rock Sample Locations

Samples were typically composed entirely of green-gray organic ooze or gel (“gyttja”), although in a few samples grey inorganic clays were also recovered, probably where the ooze was relatively thin (Table 3). These samples also sometimes contained a black “grit” which is believed to be Mn-rich crust on small sand particles and/or pebbles forming on the top of the clay horizon. No effort was made to separate the various media types in the sample; all materials went into the sample bag. In part this was due to the difficulty in recovering enough sample at some sites which required as many as 3 or 4 sampler drops. This may have been due to the relative “lightness” and “bluntness” of the particular sampler used, which was loaned from a major mining companies Sudbury exploration office.

Rock grab samples were collected using a geotul hammer on available outcrops along visited shorelines of the project. Samples of approximately 1.0kg of rock material were placed into plastic sample bags with identification sample tags. Each sample location was documented by identification tag and handheld GPS using UTM coordinates (see table 4).

Three blanks (sieved Ruby Island beach sand from which most magnetic grains were removed) were inserted into the lake sediment sample batch. Given the low metal values typically obtained from lake sediments, internal laboratory CRM standards were included only with the batch. All samples were shipped to Activation Laboratories in Ancaster, Ontario for analysis by ICP-MS (Ultratrace-2 package, which includes Au) following sample preparation and digestion by aqua regia. Prior to digestion, a sub-sample was used for a gravimetric LOI analysis to gauge the amount of inorganic material in the sample. Analysis may have benefited from additional analysis of Au using either Fire Assay or Neutron Activation, however due to cost constraints this was not performed on the samples.

RESULTS

A total of four (4) anomalous gold values were interpreted from the received analytical results of the program. Three (3) lake bottom sediments recorded anomalous gold values >1 ppb (see figure 2 and table 3) and one (1) rock grab sample recorded an anomalous gold value of 29 ppb (figure 3 and table 4).

Table 3 - Lake Bottom Sediment Sample Locations, Descriptions and Results.

Sample No	Easting (NAD83_Z15)	Northing (NAD83_Z15)	Altitude (m)	Lake Depth (ft)	Lake Depth (m)	Sample Weight Wet (g)	Sample Description	Bomb Drops	Au ppb
121901	579978.7692	5547000.404	358	48.3	14.7	511	typical green organic ooze, flat bottom on sonar	2	0.25
121902	579568.291	5546561.903	356.64	38.7	11.8	429	typical green-brown organic ooze, flat bottom on sonar	1	0.25
121903	578935.7853	5546203.456	357.27	23.6	7.2	403	medium grey clay and green ooze, 75/25	1	0.25
121904	578128.1543	5545893.669	356.04	80.6	24.6	649	typical green organic ooze, watery sample	3	0.25
121905	577635.7455	5545667.535	356.67	88.2	26.9	936	mixed green ooze and l-m grey clay, probably 40/60, but proportion hard to tell as it took 4 tries	4	0.25
121906	577049.0124	5545425.855	357.49	93.5	28.5	397	green organic ooze with ~5-10% black grit (from top of clay layer?)	3	0.25
121907	581066.3383	5540056.777	356.81	69.3	21.1	427	took 3 tries to find a good spot, first two tries were a few black grit/pebbles only (WP263, 31.7' and WP264, 57.5'), but good typical green ooze at WP265	3	0.25
121908	582202.3518	5540498.228	357.82	59.3	18.1	375	typical green ooze, "big log", minor (<10%) green-grey silt/clay; changed sample unloading method by unscrewing bomb head	1	0.25
121909	582197.1816	5539568.797	356.67	55.8	17	394	typical green ooze, "big log", minor (<10%) green-grey silt/clay	1	0.25
121910	583028.7585	5539737.302	356.69	44.7	13.6	639	light grey clay with "the black grit", difficult to get enough sample	3	0.25

Sample No	Easting (NAD83_Z15)	Northing (NAD83_Z15)	Altitude (m)	Lake Depth (ft)	Lake Depth (m)	Sample Weight Wet (g)	Sample Description	Bomb Drops	Au ppb
121911	583739.8637	5540273.273	354.39	46	14	354	typical green ooze "log"	1	0.25
121912	584398.2366	5540544.828	356.76	42.1	12.8	519	took 3 tries to find a good spot, first try was l.grey clay with black grit/pebbles (WP270, 28.0' and WP271, 41.6'), but good slug of m. grey-green clay with minor black grit and ~10% green ooze on top at WP272; final sample ~20% of the l.grey clay, 80% ooze	3	0.25
121913	584981.7785	5540953.405	356.36	36.3	11.1	463	typical olivey-green ooze, good log of it	1	0.25
121914	585394.7799	5540821.522	355.98	36.6	11.2	504	l. grey clay with minor black grit and pebbles	1	0.25
121915	585507.9541	5540483.581	355.78	41	12.5	737	1st try no sample (31.6'), moved to WP276, typical l. grey clay with black grit/pebbles (2 drops to get enough)	3	0.25
121916	586337.9148	5540649.027	356.78	42	12.8	717	typical green organic ooze	2	0.25
121917	585840.7316	5540150.938	357.72	38	11.6	498	typical green organic ooze, big log	1	0.25
121918	585941.9576	5539863.307	358.47	30	9.1	1021	three tries (ns on first 2), but last one was good enough slug of l.grey clay with minor black grit, had to rinse it out a bit (watery sample)	3	1.2
121919	584410.2508	5539199.622	357.53	27	8.2	470	typical big log of green organic ooze, although was a bit sticker in the tube (some clay?)	1	0.25
121920	582975.1358	5539094.363	357.55	45.2	13.8	819	typical green organic ooze, 2 big logs	2	0.25
121921	582714.2538	5538854.122	357.45	46.3	14.1	912	typical green organic ooze, 2 big logs	2	0.25
121922	582157.4037	5539091.884	356.84	58.6	17.9	729	typical green organic ooze, 2 big logs	2	0.25
121923	582011.6007	5538646.824	357.13	59.7	18.2	721	typical green organic ooze, 1 big log	1	0.25
121924	578748.0769	5543182.441	356.96	78.1	23.8	742	typical green organic ooze	2	0.25
121925	578642.2415	5542537.003	358.42	91.5	27.9	670	typical green organic ooze	2	0.25
121926	578350.7509	5542591.232	355.09	106.5	32.5	605	typical green organic ooze	2	0.25
121927	578104.0187	5543275.092	364.3	15	4.6	515	typical green-brown organic ooze (in the narrow back bay ("Moose Bay"))	1	0.25
121928	573918.824	5541201.664	358.89	75.4	23	535	typical green organic ooze	2	0.25
121929	574779.5664	5540724.981	357.29	56.5	17.2	787	typical green organic ooze	2	0.25
121930	575016.1067	5540115.785	355.05	66.5	20.3	635	typical green organic ooze	2	0.25
121931	575891.5268	5539958.298	357.85	61.4	18.7	516	moved from targeted location to deeper basin on sonar, took 4 tries (1 ns) to get enough, but m.grey-green clay/silt with black grit	4	1.1
121932	575066.3157	5539555.46	356.57	76.4	23.3	431	typical green organic ooze	2	1.5
121933	573996.607	5538619.27	355.68	92.7	28.3	463	typical green organic ooze	2	0.25
121934	574592.3528	5537513.835	353.72	121.2	36.9	494	typical green organic ooze	2	0.25
121935	575976.9125	5537938.279	353.24	97.5	29.7	684	typical green organic ooze	2	0.25
121936	577257.1788	5539316.708	356.83	18.3	5.6	566	typical green organic ooze, 1 big log, ~30-40 cm long	1	0.25
121937	578877.5202	5539269.918	357.23	51.6	15.7	523	typical green organic ooze	2	0.25
121938	578968.8676	5539880.773	357.58	85.7	26.1	534	typical green organic ooze	2	0.25
121939	578895.7765	5540269.034	359.32	83	25.3	118	l.grey clay/silt with minor black grit, but took many tries (4?) just to get that (several ns), so sample is small	4	0.25

Sample No	Easting (NAD83_Z15)	Northing (NAD83_Z15)	Altitude (m)	Lake Depth (ft)	Lake Depth (m)	Sample Weight Wet (g)	Sample Description	Bomb Drops	Au ppb
121940	578520.3597	5540559.875	358.33	88.5	27	594	typical green organic ooze	2	0.25

Table 4 - Rock Sample Locations, Descriptions and Results.

Sample No	Easting (NAD83_Z15)	Northing (NAD83_Z15)	Altitude (m)	Samplers	Sample Location Block	Sample Location Name	Sample Type	Sample Description	Au ppb
9501	578710.6	5546214	353.16	MR/CB	Vaugh-Superior (Abram)	Island 1	Grab	composite grab across 0.3 m wide shear with carb-qtz-chlor veining along porphyritic diorite/mafic volcanic contact	0.25
9502	578705.3	5546210	358.25	MR/CB	Vaugh-Superior (Abram)	Island 1	Grab	composite grab across same shear as 9501, approx. 1.5 m wide shear with poddy/lensoid carb-qtz-chlor veining	0.25
9503	578715.4	5546216	357.54	MR/CB	Vaugh-Superior (Abram)	Island 1	Grab	grab of weakly altered diorite with trace Py and chlor alteration	0.25
9504	580114.8	5546858	357.91	MR/CB	Vaugh-Superior (Abram)	Island 2	Grab/Float	float on shore of vuggy coarse-grained qtz-Fe-carb veining from main shear direction (NE), trace Py but weathered	0.25
9505	579871.4	5546524	358.78	MR/CB	Vaugh-Superior (Abram)	Island 3 (Benchmark Island)	Grab	altered QFP, approx. 1% diss. Py, island is QFP in sheared contact with mafic volcanics, govt survey benchmark noted	0.25
9506	579876.6	5546528	361.01	MR/CB	Vaugh-Superior (Abram)	Island 3 (Benchmark Island)	Grab	grab of qtz-Fe-carb veining, tr Py, similar to other islands; shear is approx. 10 m wide, focussed along north side of island	28.4
9508	586433.3	5538586	364.3	MR/CB	OFF CLAIMS - Open Ground	Mine Shaft (Whalen)	Grab	assorted grabs of float from tip pile near shaft of semi-massive Py with cherty "veins", very schistose, shear zone?	0.25
9509	586420.2	5538571	364.3	MR/CB	OFF CLAIMS - Open Ground	Mine Shaft (Whalen)	Grab	assorted grabs of float from tip pile near shaft of semi-massive Py with cherty "veins", very schistose, shear zone?	0.25
9510	586408.7	5538586	364.3	MR/CB	OFF CLAIMS - Open Ground	Mine Shaft (Whalen)	Grab	assorted grabs of float from tip pile near shaft of semi-massive Py with cherty "veins", very schistose, shear zone?	0.25
9507	586425.2	5538597	364.3	MR/CB	OFF CLAIMS - Open Ground	Mine Shaft (Whalen)	Grab	assorted grabs of float from tip pile near shaft of semi-massive Py with cherty "veins", very schistose, shear zone?	0.25
9511	578195.9	5543279	357.17	MR/CB	Forster Vein NE Ext	"Moose Bay"	Grab	qtz-chlor-Fe-carb veining/fracturing (in MV?) with 1-3% Po; weathered, outcrop on south shore of bay is usually underwater	1.9
9512	577954	5545030	357	GM	OFF CLAIMS - Open Ground	Turtle Rock (dock)	Grab	altered felsic porphyry (?) with biot phenos, silicified (?), 1% diss. Py	7.6
9513	577939.2	5545030	357	GM/DM	OFF CLAIMS - Open Ground	Maxwell Island - North Shore	Grab	o/c and float west of the water pump, numerous qtz-carb veins, 5-10 cm wide, 0.5% cubic Py	3.6

Significantly two of the Au anomalous lake sediment samples (121931 & 121932) are located in Troutfish Bay of Minnitaki Lake, located southwest of a group of known gold occurrences (Forster-WW-Diorite Trend), and may be indicating an extension of this mineralization thru the bay towards the historical Burnt Hut Island occurrence. The third Au anomalous sample (121918) is located in the southeast corner of the "Neepawa East" claim block and may be indicating mineralization along the East Bay or Twinflower fault trends. Alternatively these anomalies may be caused by glacial dispersion from the historically known Au occurrences, and in the latter case possibly from the Wright-Hargraves showing.

A review of the data indicates that weakly anomalous pathfinder elements such as As, Mo and W are associated with the anomalous Au values, although no effort has been made to systematically study the pathfinder results as of the date of this report.

However, it should be noted that the current lake sediment sample results did not confirm the two moderately anomalous results (~4 ppb Au) obtained in the OGS lake sediment survey (MRD088-OFR6069, OTH-2001), located in the northern block of claims in the “Vaughn-Superior” trend along the southern arm of Abram Lake, suggesting the lake sediment sampling device and/or analyses of the current samples may not be optimal.

INTERPRETATIONS AND CONCLUSION

The Neepawa Wings Project is an early stage exploration opportunity that has identified anomalous gold in geochemistry at several widely distributed sample sites. The current resolution allows for limited interpretation beyond coincidence of some of the larger scale structural features of the area that are dominant within the lake trends of Abram and Minnitaki Lake. Review of the locations for favourability of additional exploration elements coincident with the trends, and the addition of increased sampling resolution, geological mapping, and prospecting reconnaissance are recommended as next steps for the project.

EXPENDITURES

Four person crew (C.B, G.M, D.M, and M.R) August 17-22 (6 days @\$600 per day) = \$14,400.00

Travel C.B – Thunder Bay, G.M. Burlington, M.R. Toronto mileage 3,593 km @\$0.61 per km = \$2191.73

Boat use for properties access over 6 days @\$100 per day = \$600.00

Room and board at Maxwell Island Lodge August 17-22 (6 days @\$250 per person per day) = \$6,000.00

Planning, logistics, and sample delivery (7 days @\$600 per day) = \$4200.00

Reporting (7 days @ \$600 per day) = \$4200.00

Analytical services Activation Laboratories \$2809.07

Total expenditures for lake bottom sediment and rock geochemistry sampling \$34,400.80

REFERENCES

Chisholm, E.O. Recent Activities in the Sioux Lookout Area – 1951 - Department of Ontario Mines.

Guy, K. Summary of Exploration and Exploration Proposal, Neepawa Island Property – 1983 – Golden Range Resources Inc.

Proudfoot, M. Drilling Program on the Minnitaki Lake Property – 2008 - Ginguro Exploration Inc.

Ontario Geological Survey 2001. Lake sediment analytical data for the Sioux Lookout–Bamaji Lake area: Operation Treasure Hunt; Ontario Geological Survey, Miscellaneous Release – Data 88.

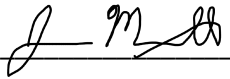
Winter, L.D.S. Geophysical Exploration Program on the Minnitaki Lake Gold Property – 2007 - Ginguro Exploration Inc.

STATEMENT OF QUALIFICATIONS

I James Clerk Maxwell of the city of Vancouver, British Columbia, do hereby certify:

- 1) I am a graduate of the University of Manitoba (B.Sc. 2004) in geological sciences.
- 2) I have practiced geoscience continually for 19 years.
- 3) I am a registered with the Professional Geoscientists of Ontario (member #1626).
- 4) The information presented herein is based on literature research and field observations validated by myself.

Signed James Maxwell P.Geol, January 28th, 2023.



APPENDIX I – Analytical certificates



Report No.: A21-18139
Report Date: 30-Nov-21
Date Submitted: 28-Sep-21
Your Reference: Minnitaki

Matt Rees
8 Telegram Mews, Suite 231
Toronto Ontario M5V3Z5
Canada

ATTN: Matt Rees

CERTIFICATE OF ANALYSIS

57 Rock samples were submitted for analysis.

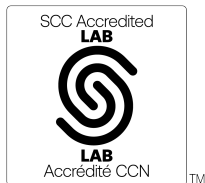
Table with 3 columns: Analytical package(s) requested, LOI, and Testing Date. Rows include 4F-LOI 500 and UT-2-0.5g.

REPORT A21-18139

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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.



LabID: 266

ACTIVATION LABORATORIES LTD.
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CERTIFIED BY:

Handwritten signature of Emmanuel Esemé

Emmanuel Esemé, Ph.D.
Quality Control Coordinator

Results

Activation Laboratories Ltd.

Report: A21-18139

Analyte Symbol	LOI 500C	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit		0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1
Method Code	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
121900	0.98	6.4	< 0.1	4	0.014	0.27	0.50	0.022	0.003	0.02	0.23	17	15	0.10	113	1.06	3.1	10.3	1.9	18.6	2.09	< 0.1	0.9
121901	15.55	19.6	0.6	11	0.038	0.67	1.94	0.124	0.123	0.22	0.70	47	53	0.11	538	3.02	11.0	26.8	21.2	102	5.61	< 0.1	4.5
121902	12.76	19.9	0.5	12	0.036	0.66	1.95	0.119	0.077	0.21	0.65	49	47	0.13	1050	3.35	12.0	26.5	19.8	90.8	5.14	< 0.1	2.0
121903	3.47	11.9	0.3	10	0.035	0.80	1.08	0.061	0.040	0.19	1.41	33	34	0.14	457	1.93	8.4	17.4	14.0	37.8	3.98	< 0.1	1.6
121904	6.42	11.0	0.3	8	0.028	0.38	0.97	0.086	0.041	0.12	0.44	36	27	0.11	736	1.85	7.3	14.4	12.0	51.3	2.83	< 0.1	0.3
121905	13.37	16.6	0.5	10	0.042	0.66	1.77	0.113	0.097	0.21	0.60	54	44	0.11	1330	3.77	11.0	23.3	21.1	80.6	4.89	< 0.1	1.6
121906	14.81	18.4	0.6	13	0.046	0.69	1.97	0.111	0.114	0.24	0.63	55	46	0.11	1230	3.75	11.0	24.9	22.5	87.0	5.28	< 0.1	3.2
121907	16.92	20.1	0.6	12	0.046	0.75	2.12	0.131	0.135	0.25	0.61	66	49	0.11	1310	4.93	12.2	26.6	26.6	105	5.83	< 0.1	3.8
121908	14.48	18.1	0.9	11	0.049	0.73	1.92	0.113	0.074	0.22	0.67	107	49	0.11	4790	6.61	23.1	38.2	29.2	111	5.03	< 0.1	0.8
121909	11.32	20.7	0.8	14	0.048	0.91	1.97	0.106	0.075	0.27	0.71	79	56	0.14	3300	4.85	18.8	34.5	31.0	98.7	5.65	< 0.1	1.5
121910	3.74	16.6	0.5	10	0.049	1.78	1.43	0.092	0.019	0.25	3.86	51	43	0.15	8930	3.96	17.0	27.8	20.3	57.5	1.53	< 0.1	5.2
121911	8.03	22.2	0.6	14	0.048	0.94	1.96	0.081	0.072	0.34	0.74	62	54	0.18	1770	3.63	15.1	32.6	26.9	78.3	6.77	< 0.1	2.6
121912	8.33	20.3	1.1	11	0.044	1.21	1.75	0.249	0.067	0.29	1.39	82	47	0.12	8770	9.74	19.2	32.3	23.0	89.5	4.17	< 0.1	14.4
121913	10.78	16.5	0.7	12	0.041	0.66	1.76	0.094	0.061	0.22	0.60	77	46	0.13	1690	4.46	15.8	28.1	25.1	90.9	4.95	< 0.1	0.3
121914	4.75	23.0	0.8	14	0.050	1.51	1.91	0.114	0.020	0.34	2.09	69	50	0.16	5360	5.44	19.4	34.1	28.4	75.7	4.03	< 0.1	10.9
121915	5.34	20.6	0.8	13	0.048	1.80	1.79	0.147	0.019	0.31	3.34	70	51	0.15	3220	7.28	18.7	31.8	25.6	76.6	5.73	< 0.1	10.1
121916	16.22	20.3	0.6	11	0.046	0.75	2.25	0.105	0.096	0.24	0.72	69	53	0.12	957	4.79	12.7	28.7	25.1	101	5.86	< 0.1	1.3
121917	14.29	20.9	0.8	14	0.052	0.74	2.39	0.094	0.086	0.27	0.69	100	62	0.11	2170	5.64	19.1	36.2	29.9	125	6.81	< 0.1	2.0
121918	3.70	27.0	0.6	17	0.063	1.69	2.29	0.051	0.017	0.42	3.69	64	65	0.13	1780	3.91	14.9	37.2	31.3	71.9	7.80	< 0.1	3.6
121919	11.30	16.3	0.5	11	0.044	0.65	1.88	0.079	0.066	0.20	0.66	60	49	0.10	913	3.83	11.4	26.6	19.7	76.2	5.08	< 0.1	0.7
121920	15.95	21.9	0.7	14	0.056	0.80	2.53	0.104	0.108	0.28	0.75	79	64	0.08	1390	5.32	14.3	33.2	28.3	101	6.87	< 0.1	1.7
121921	15.37	18.9	0.8	12	0.051	0.69	2.26	0.104	0.079	0.25	0.64	81	57	0.07	2150	5.97	15.6	29.3	25.2	95.3	6.21	< 0.1	1.5
121922	13.74	17.8	1.1	15	0.055	0.68	2.06	0.114	0.070	0.24	0.72	113	61	0.06	5980	7.36	32.5	44.3	31.5	122	6.20	< 0.1	1.6
121923	12.09	18.9	0.6	14	0.057	0.70	2.16	0.089	0.072	0.25	0.66	74	55	0.10	2070	4.35	15.9	31.0	25.5	84.0	6.08	< 0.1	1.7
121924	12.53	20.1	0.8	13	0.055	0.75	2.24	0.096	0.074	0.29	0.74	88	62	0.11	2230	4.76	16.3	38.3	30.2	99.8	6.60	< 0.1	1.2
121925	13.69	16.2	0.6	11	0.043	0.65	1.77	0.091	0.074	0.23	0.60	69	50	0.08	1590	3.60	11.4	28.4	24.4	82.0	5.30	< 0.1	0.3
121926	16.08	20.0	0.6	14	0.061	0.76	2.26	0.104	0.142	0.29	0.66	75	60	0.07	1670	4.85	13.2	31.8	27.3	93.3	6.59	< 0.1	2.7
121927	16.58	19.3	0.5	11	0.047	0.76	1.95	0.065	0.130	0.24	0.92	52	60	0.10	607	3.15	11.2	32.0	26.5	85.3	6.57	< 0.1	1.3
121928	16.07	21.8	0.6	14	0.065	0.90	2.31	0.068	0.177	0.32	0.85	60	64	0.09	445	2.94	11.9	33.7	31.7	94.8	7.13	< 0.1	2.5
121929	12.23	19.2	0.6	14	0.051	0.77	1.99	0.075	0.096	0.28	0.76	65	58	0.09	1140	3.17	15.8	32.6	31.2	80.0	6.49	< 0.1	1.8
121930	8.93	15.2	0.8	12	0.050	0.64	1.62	0.085	0.080	0.23	0.62	74	48	0.08	2600	4.06	29.1	35.8	25.5	76.1	5.19	< 0.1	3.5
121931	7.54	16.1	0.9	12	0.045	0.69	1.50	0.137	0.066	0.25	0.76	74	50	0.07	2590	5.04	23.7	31.6	25.9	67.8	5.31	< 0.1	11.7
121932	13.03	22.8	0.7	16	0.059	0.92	2.15	0.068	0.125	0.37	0.82	63	66	0.11	610	3.34	13.7	34.4	30.9	91.7	7.44	< 0.1	3.1
121933	12.55	23.4	0.7	15	0.076	0.95	2.33	0.073	0.115	0.36	0.78	64	65	0.14	579	3.26	13.1	34.3	28.5	92.1	7.71	< 0.1	3.1
121934	11.52	24.5	0.7	15	0.065	0.99	2.36	0.069	0.085	0.36	0.73	66	68	0.11	867	4.09	14.5	35.6	29.9	97.6	7.90	< 0.1	3.3
121935	8.88	21.8	0.7	13	0.057	0.96	2.15	0.060	0.050	0.34	0.79	66	65	0.12	939	3.40	14.1	35.2	28.6	85.6	7.17	< 0.1	0.6
121936	9.59	15.3	0.4	12	0.050	0.68	1.71	0.056	0.065	0.22	0.68	44	48	0.09	441	2.55	9.6	25.2	19.4	62.0	5.19	< 0.1	0.7
121937	15.71	15.6	0.4	11	0.049	0.66	1.72	0.070	0.134	0.23	0.62	46	48	0.08	299	2.26	8.3	23.8	21.9	66.9	4.74	< 0.1	0.5
121938	16.17	20.7	0.7	15	0.060	0.79	2.34	0.113	0.190	0.32	0.71	77	62	0.08	1360	4.83	13.3	32.5	29.0	103	6.77	< 0.1	4.2
121939	3.79	25.0	0.6	13	0.071	1.77	2.10	0.043	0.013	0.43	4.14	59	71	0.14	2880	3.59	15.9	40.9	29.6	72.8	7.23	< 0.1	2.3
121940	13.71	18.4	0.7	13	0.059	0.74	2.09	0.107	0.079	0.27	0.70	79	60	0.07	2320	4.71	14.3	34.9	27.3	87.5	6.13	< 0.1	1.4
121941	0.96	6.5	< 0.1	5	0.019	0.29	0.61	0.024	0.004	0.03	0.31	21	18	0.10	153	1.15	3.6	10.7	2.6	20.9	2.35	< 0.1	0.3
9501		23.9	< 0.1	5	0.025	4.93	5.03	0.019	0.007	< 0.01	2.44	202	207	0.26	2130	8.97	63.5	158	74.4	92.5	10.7	0.2	7.3
9502		3.5	< 0.1	5	0.014	0.63	0.70	0.009	0.007	0.06	2.82	24	46	0.04	511	1.74	8.6	17.9	17.5	12.7	1.98	< 0.1	2.0
9503		7.4	0.1	6	0.036	1.67	2.88	0.018	0.002	0.01	3.00	89	89	0.28	668	3.63	31.1	76.9	9.1	29.4	7.08	< 0.1	10.9
9504		2.1	< 0.1	6	0.019	0.38	0.36	0.007	0.015	0.04	1.86	6	41	< 0.01	473	1.70	3.3	8.1	7.7	18.4	1.10	< 0.1	6.7
9505		20.9	< 0.1	2	0.119	2.77	2.24	0.023	0.057	0.02	5.39	119	190	< 0.01	1800	7.09	40.3	64.1	30.2	46.0	6.27	< 0.1	31.1
9506		2.0	< 0.1	8	0.023	2.99	0.12	0.004	0.003	< 0.01	8.79	20	26	< 0.01	1880	4.20	4.5	5.4	18.0	17.9	0.35	< 0.1	5.7
9507		0.3	< 0.1	5	0.010	0.24	0.09	0.003	9.549	< 0.01	0.19	2	9	< 0.01	2950	18.1	5.3	12.1	2.6	35.8	0.49	0.1	17.3
9508		4.8	< 0.1	3	0.022	0.51	0.95	0.007	9.144	< 0.01	3.16	21	27	< 0.01	1370	11.2	12.1	44.0	29.6	36.7	2.45	< 0.1	14.5

Results

Activation Laboratories Ltd.

Report: A21-18139

Analyte Symbol	LOI 500C	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit		0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1
Method Code	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
9509		0.2	< 0.1	5	0.010	0.20	0.09	0.003	8.943	< 0.01	0.18	5	10	< 0.01	2690	18.4	6.6	10.4	9.3	53.3	0.50	0.1	27.5
9510		0.6	0.1	4	0.008	0.49	0.37	0.004	8.414	< 0.01	0.15	6	9	< 0.01	5340	19.5	12.5	17.0	22.0	103	1.60	0.1	14.0
9511		5.9	0.3	4	0.064	0.93	1.46	0.062	0.196	< 0.01	4.26	167	40	0.71	1100	8.63	27.3	29.6	61.7	68.9	10.6	< 0.1	4.9
9512		23.1	< 0.1	2	0.073	3.52	2.25	0.012	0.107	0.04	7.03	88	107	< 0.01	991	5.63	34.0	64.3	110	54.4	6.03	< 0.1	54.0
9513		17.4	0.1	6	0.014	1.99	2.11	0.002	0.015	0.06	3.34	27	37	< 0.01	833	6.06	9.8	41.0	3.7	151	6.57	< 0.1	43.3
9514		7.1	0.2	5	0.073	1.15	1.40	0.030	4.628	< 0.01	0.47	81	33	0.41	314	8.88	43.7	33.2	162	450	9.62	< 0.1	0.9
121920A	0.83	6.6	< 0.1	5	0.017	0.26	0.55	0.024	0.016	0.03	0.27	18	16	0.09	139	1.05	3.5	10.1	2.6	19.6	2.30	< 0.1	0.1

Results

Activation Laboratories Ltd.

Report: A21-18139

Analyte Symbol	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La
Unit Symbol	ppm	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	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5
Method Code	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	AR-MS
121900	0.7	3.6	13.5	2.84	3.0	1.4	2.0	1.0	0.6	0.1	0.3	< 0.1	0.6	0.34	0.011	< 0.01	< 0.02	0.27	0.11	< 0.02	0.23	10.8	10.2
121901	1.4	24.3	27.2	10.3	3.4	4.9	6.8	3.2	2.2	0.4	1.0	0.1	1.4	0.71	0.129	0.47	0.02	0.74	0.18	< 0.02	1.49	102	31.1
121902	1.2	23.4	27.2	11.4	2.8	5.1	7.4	3.4	2.5	0.5	1.2	0.2	1.6	0.45	0.115	0.40	< 0.02	0.69	0.14	< 0.02	1.49	133	34.6
121903	0.8	17.2	24.9	7.40	6.2	3.7	5.2	2.5	1.5	0.3	0.8	0.1	1.1	0.50	0.048	0.07	< 0.02	0.52	0.09	0.03	0.98	64.4	23.7
121904	1.1	12.4	18.4	8.73	1.5	3.2	6.5	2.9	1.8	0.3	0.9	0.1	1.1	0.40	0.054	0.30	< 0.02	0.40	0.09	< 0.02	0.76	106	29.0
121905	1.3	22.6	24.8	11.9	3.2	5.4	7.9	3.7	2.5	0.4	1.2	0.2	1.1	0.68	0.096	0.43	0.02	0.60	0.11	< 0.02	1.40	116	35.4
121906	1.4	24.6	26.5	11.8	3.3	5.3	7.6	3.4	2.3	0.5	1.2	0.2	1.1	0.79	0.120	0.56	< 0.02	0.79	0.17	0.04	1.50	115	33.8
121907	1.3	26.8	25.8	14.4	3.6	6.5	8.9	3.9	2.9	0.5	1.4	0.2	0.8	0.95	0.136	0.58	0.02	0.68	0.16	< 0.02	1.62	119	39.1
121908	1.6	24.3	29.1	19.2	4.4	6.0	15.6	6.2	3.9	0.7	2.0	0.3	0.9	0.81	0.098	0.89	< 0.02	0.52	0.06	0.06	1.52	208	70.5
121909	1.5	28.8	29.9	16.2	6.2	6.2	11.3	4.9	3.3	0.6	1.7	0.2	1.1	1.05	0.084	0.66	0.02	0.64	0.09	< 0.02	1.70	226	50.7
121910	0.7	22.5	44.7	10.3	5.3	4.6	7.5	3.3	2.0	0.4	1.0	0.1	0.8	2.67	0.059	0.34	< 0.02	0.58	0.10	< 0.02	1.31	513	36.1
121911	1.1	32.6	29.6	11.7	7.6	6.4	7.4	3.6	2.5	0.5	1.3	0.2	1.1	0.94	0.077	0.19	0.02	0.73	0.08	< 0.02	1.88	164	35.0
121912	1.0	27.2	33.2	14.0	5.7	5.3	10.0	4.4	3.0	0.6	1.4	0.2	1.2	6.38	0.098	0.46	< 0.02	0.62	0.11	0.03	1.55	359	45.1
121913	1.5	23.1	25.7	15.7	4.1	5.2	11.6	4.8	3.1	0.6	1.6	0.2	1.2	0.62	0.099	0.45	0.02	0.53	0.06	< 0.02	1.45	155	53.3
121914	0.6	30.5	35.9	11.9	4.7	6.1	9.4	4.0	2.7	0.5	1.3	0.2	0.7	3.41	0.080	0.36	0.03	0.74	0.11	< 0.02	1.65	474	45.3
121915	0.7	28.0	39.5	12.0	4.4	5.7	8.8	3.7	2.7	0.5	1.3	0.2	1.0	3.44	0.067	0.25	< 0.02	0.70	0.11	0.03	1.54	151	39.9
121916	1.2	25.7	26.5	14.9	4.5	6.4	10.1	4.2	3.1	0.6	1.5	0.2	1.3	0.76	0.124	0.42	< 0.02	0.58	0.08	0.04	1.73	147	47.2
121917	1.7	29.0	30.1	19.2	5.1	8.2	14.3	6.1	4.4	0.7	1.9	0.3	1.1	0.71	0.107	0.56	0.03	0.57	0.07	0.02	1.90	104	67.2
121918	1.0	36.8	50.6	11.0	1.7	8.2	7.3	3.5	2.8	0.5	1.2	0.2	0.3	0.55	0.073	0.19	0.03	0.64	0.08	0.02	1.95	169	35.2
121919	1.5	21.1	26.5	13.3	4.4	6.5	8.6	4.3	2.9	0.5	1.3	0.2	1.0	0.55	0.086	0.27	0.02	0.41	0.06	< 0.02	1.44	107	41.9
121920	1.3	28.7	28.7	16.5	3.9	8.1	10.5	4.9	3.8	0.6	1.7	0.2	1.0	0.91	0.114	0.43	0.03	0.44	0.06	< 0.02	1.82	86.1	49.4
121921	1.5	25.9	27.9	16.1	2.5	7.2	11.1	4.9	3.8	0.6	1.7	0.2	0.7	0.82	0.097	0.39	< 0.02	0.45	0.07	< 0.02	1.61	104	51.4
121922	1.6	27.0	31.2	20.2	3.4	7.4	16.5	7.0	4.8	0.8	2.3	0.3	0.7	0.95	0.086	1.01	0.02	0.45	0.07	0.02	1.58	146	79.0
121923	1.8	26.6	27.5	14.5	3.4	6.8	9.7	4.3	3.3	0.5	1.5	0.2	1.0	0.81	0.102	0.39	0.03	0.54	0.09	0.03	1.71	104	45.9
121924	1.8	29.7	31.4	16.8	4.1	8.2	12.1	5.4	4.0	0.6	1.6	0.2	1.1	0.79	0.102	0.67	0.03	0.59	0.09	< 0.02	1.86	124	57.4
121925	1.2	23.9	25.4	13.5	2.7	6.5	9.3	3.9	2.9	0.6	1.5	0.2	0.6	0.54	0.082	0.56	< 0.02	0.37	0.05	< 0.02	1.43	94.5	45.2
121926	1.6	29.9	26.7	13.6	2.1	7.8	8.8	4.1	3.0	0.5	1.3	0.2	0.4	1.00	0.116	0.50	0.03	0.48	0.12	0.03	1.83	63.5	41.5
121927	1.2	27.9	32.0	15.2	10.5	7.3	9.6	4.5	3.5	0.6	1.6	0.2	2.5	0.49	0.121	0.23	0.03	0.42	0.05	< 0.02	1.68	84.1	45.4
121928	1.1	33.0	29.0	11.5	5.6	7.2	7.0	3.3	2.9	0.4	1.1	0.1	1.0	0.56	0.126	0.57	0.04	0.44	0.06	0.06	1.86	52.1	32.9
121929	1.7	29.4	29.6	13.5	2.9	6.9	8.6	3.6	3.2	0.5	1.4	0.2	0.8	0.77	0.094	0.39	< 0.02	0.43	0.09	< 0.02	1.59	84.4	40.4
121930	1.6	24.2	25.9	12.7	3.3	5.3	10.0	4.2	3.1	0.5	1.3	0.2	0.7	1.04	0.071	0.66	< 0.02	0.50	0.09	0.05	1.40	184	48.5
121931	1.6	24.8	26.5	11.4	2.4	5.3	8.8	3.8	2.8	0.5	1.2	0.2	0.8	2.07	0.064	0.46	0.02	0.53	0.12	0.07	1.44	157	41.5
121932	1.6	36.2	33.4	12.7	4.7	7.3	8.0	3.6	2.8	0.5	1.3	0.2	0.9	0.78	0.114	0.46	0.03	0.63	0.14	< 0.02	2.03	71.6	38.0
121933	1.3	35.9	32.2	11.3	7.2	8.2	7.1	3.4	2.6	0.4	1.1	0.2	1.6	0.59	0.118	0.44	0.03	0.71	0.12	< 0.02	1.94	92.1	33.9
121934	1.4	36.9	33.0	11.8	3.4	8.0	7.5	3.4	2.8	0.5	1.3	0.2	0.6	0.49	0.106	0.45	0.03	0.66	0.14	0.03	2.03	79.4	35.8
121935	1.3	33.4	32.0	12.9	2.9	7.5	8.4	3.8	2.9	0.5	1.2	0.2	0.6	0.38	0.088	0.48	0.03	0.42	0.07	< 0.02	1.81	138	41.0
121936	1.4	22.9	26.7	11.3	3.8	6.5	7.2	3.4	2.3	0.5	1.2	0.1	0.8	0.32	0.069	0.20	< 0.02	0.32	0.04	< 0.02	1.30	78.9	33.9
121937	1.2	22.4	23.1	10.5	1.8	5.7	6.5	2.8	2.3	0.4	1.2	0.1	0.5	0.57	0.102	0.29	0.03	0.17	< 0.02	0.02	1.32	55.9	29.5
121938	1.7	30.7	27.9	13.9	2.9	7.6	8.7	4.1	3.0	0.5	1.3	0.2	0.8	1.08	0.126	0.66	0.04	0.65	0.10	0.06	1.81	60.7	40.2
121939	1.2	37.1	51.8	10.4	1.5	7.7	7.0	3.2	2.4	0.4	1.2	0.1	0.2	0.82	0.072	0.33	0.03	0.51	0.06	< 0.02	2.07	217	33.3
121940	1.5	26.7	28.6	15.1	2.5	7.4	9.7	4.6	3.5	0.6	1.5	0.2	0.7	0.84	0.100	0.53	< 0.02	0.45	0.07	0.03	1.62	103	47.6
121941	1.0	4.3	15.1	3.66	2.4	1.9	2.4	1.2	0.9	0.2	0.5	< 0.1	0.5	0.20	0.012	0.05	< 0.02	0.41	0.06	< 0.02	0.25	14.2	11.2
9501	0.9	0.4	15.9	7.74	0.3	17.5	3.0	1.8	1.8	0.3	0.9	0.1	< 0.1	0.17	0.030	0.05	< 0.02	0.18	0.04	< 0.02	0.16	78.2	15.3
9502	1.2	1.8	9.1	1.44	0.3	3.1	1.0	0.4	0.3	< 0.1	0.1	< 0.1	< 0.1	2.45	0.004	0.04	< 0.02	0.07	0.05	< 0.02	0.10	28.8	5.3
9503	1.1	0.3	56.9	5.38	0.8	9.3	1.3	1.3	1.3	0.2	0.7	< 0.1	< 0.1	0.55	0.006	0.04	< 0.02	0.14	0.61	< 0.02	0.06	10.9	5.3
9504	1.1	1.4	24.1	1.38	0.5	0.7	0.5	0.3	0.3	< 0.1	0.1	< 0.1	< 0.1	3.21	0.021	0.05	< 0.02	0.06	0.12	0.02	0.09	30.1	2.9
9505	1.0	0.6	34.5	2.56	1.0	20.2	0.9	0.8	0.7	0.1	0.3	< 0.1	< 0.1	0.38	0.008	0.11	0.03	0.06	0.54	< 0.02	0.07	54.1	3.3
9506	1.2	0.2	41.7	3.59	0.7	7.0	0.4	0.8	0.9	0.1	0.3	< 0.1	< 0.1	1.42	0.065	0.07	0.03	0.29	1.54	< 0.02	0.08	41.6	1.8
9507	1.2	0.3	1.5	0.75	2.3	0.4	0.2	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.62	0.091	0.09	0.02	0.46	0.62	0.16	0.20	2.3	1.3
9508	1.4	0.3	23.0	1.28	7.1	4.0	0.4	0.4	0.3	< 0.1	0.2	< 0.1	< 0.1	0.51	0.053	0.07	< 0.02	0.16	0.30	0.04	0.18	3.1	1.6
9509	1.2	0.2	1.0	0.89	3.1	0.6	0.4	0.3	0.2	< 0.1	0.1	< 0.1	< 0.1	0.89	0.075	0.10	< 0.02	0.29	0.51	0.10	0.09	2.2	1.8

Results

Activation Laboratories Ltd.

Report: A21-18139

Analyte Symbol	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La
Unit Symbol	ppm	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	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.02	0.5
Method Code	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	AR-MS
9510	1.0	< 0.1	0.6	0.68	6.6	1.4	0.3	0.2	0.1	< 0.1	0.1	< 0.1	< 0.1	0.59	0.044	0.28	0.03	0.20	0.22	0.22	0.05	2.1	1.5
9511	1.2	0.4	45.5	24.1	5.1	22.8	2.4	4.3	5.8	1.1	3.0	0.4	1.8	0.76	0.035	0.11	0.05	0.80	0.28	< 0.02	0.05	21.8	7.3
9512	1.1	0.9	23.3	1.12	0.6	17.1	0.4	0.4	0.4	< 0.1	0.1	< 0.1	< 0.1	0.36	0.053	0.11	0.02	< 0.05	0.29	< 0.02	0.09	10.6	1.5
9513	0.9	2.5	449	3.56	0.5	0.7	0.4	0.5	0.9	0.1	0.3	< 0.1	< 0.1	2.76	0.016	0.04	< 0.02	0.08	0.62	< 0.02	0.18	30.0	1.6
9514	2.7	0.2	6.8	7.84	22.4	5.9	1.3	1.4	1.9	0.4	0.9	0.1	1.0	0.91	0.228	1.66	0.13	1.16	0.24	0.22	0.02	4.0	4.2
121920A	1.0	4.2	14.1	3.00	2.7	1.9	2.4	1.1	0.7	0.1	0.3	< 0.1	0.3	0.11	0.012	0.04	< 0.02	0.28	0.05	< 0.02	0.27	14.0	11.1

Analyte Symbol	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	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
121900	18.2	6.83	1.3	0.2	0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	2.9	0.02	3.4	0.4	10
121901	62.0	24.9	4.0	0.7	0.4	0.9	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.20	20.8	0.25	4.6	1.7	130
121902	70.1	27.2	4.0	0.8	0.4	1.0	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.24	12.8	0.17	5.4	2.0	80
121903	46.3	18.7	2.8	0.5	0.3	0.7	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.16	5.1	0.09	7.1	1.4	< 10
121904	63.3	22.8	3.4	0.6	0.3	0.8	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.18	6.5	0.09	5.0	2.3	40
121905	68.2	28.9	4.9	0.8	0.5	1.0	0.1	< 0.1	< 0.05	0.2	< 0.001	< 0.5	0.23	15.5	0.21	5.6	3.4	70
121906	64.9	26.9	4.9	0.8	0.4	1.0	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.24	22.5	0.29	5.7	3.3	100
121907	76.4	31.9	5.2	0.9	0.5	1.2	0.2	0.1	< 0.05	0.1	< 0.001	< 0.5	0.27	22.9	0.32	6.5	4.9	110
121908	162	54.6	9.0	1.4	0.7	1.7	0.2	0.1	< 0.05	0.1	< 0.001	< 0.5	0.60	11.5	0.18	10.3	10.0	60
121909	108	40.0	7.2	1.1	0.6	1.4	0.2	0.1	< 0.05	0.2	< 0.001	< 0.5	0.49	10.9	0.17	11.2	9.4	40
121910	84.1	26.6	4.1	0.7	0.4	0.9	0.1	< 0.1	< 0.05	0.3	< 0.001	< 0.5	0.31	7.9	0.11	7.1	1.9	20
121911	67.2	27.5	4.6	0.8	0.4	1.1	0.2	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.33	11.0	0.18	10.3	5.6	30
121912	93.1	34.8	6.2	1.0	0.5	1.2	0.2	< 0.1	< 0.05	0.5	< 0.001	< 0.5	0.51	10.6	0.15	8.4	4.8	30
121913	106	41.9	6.0	1.1	0.6	1.4	0.2	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.40	8.6	0.15	8.4	8.8	50
121914	105	32.8	5.6	0.9	0.5	1.1	0.1	< 0.1	< 0.05	0.2	< 0.001	< 0.5	0.43	10.2	0.16	10.3	2.5	30
121915	79.5	31.9	5.8	0.9	0.5	1.1	0.2	< 0.1	< 0.05	0.3	< 0.001	< 0.5	0.38	10.8	0.15	8.9	2.8	20
121916	83.2	35.7	5.9	1.0	0.5	1.4	0.2	0.1	< 0.05	0.1	< 0.001	< 0.5	0.24	11.5	0.20	7.6	5.3	110
121917	124	52.0	6.7	1.3	0.7	1.9	0.2	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.48	10.2	0.21	11.4	9.3	60
121918	68.8	26.7	4.4	0.8	0.4	1.1	0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.2	0.28	11.1	0.19	11.5	1.5	30
121919	74.2	31.8	5.8	0.9	0.5	1.2	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.22	6.3	0.12	8.6	4.7	60
121920	88.1	38.7	6.2	1.1	0.6	1.6	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.27	12.3	0.21	8.3	6.1	80
121921	96.8	39.6	6.6	1.1	0.6	1.5	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.29	11.1	0.18	8.7	6.0	70
121922	170	59.4	9.0	1.5	0.8	1.9	0.3	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.80	15.4	0.22	12.9	11.0	70
121923	86.9	35.5	5.2	1.0	0.5	1.4	0.2	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.29	9.8	0.18	8.7	5.1	60
121924	114	43.6	7.0	1.2	0.6	1.6	0.2	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.33	10.7	0.20	10.4	6.7	70
121925	88.7	34.4	5.2	0.9	0.5	1.3	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.23	7.9	0.16	7.4	5.4	50
121926	75.0	31.9	5.6	1.0	0.5	1.3	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.21	22.2	0.32	7.4	4.8	90
121927	73.7	35.4	5.3	1.0	0.6	1.4	0.2	0.3	< 0.05	< 0.1	< 0.001	< 0.5	0.20	8.3	0.15	8.7	5.3	100
121928	56.3	25.4	5.0	0.7	0.4	1.1	0.2	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.23	25.7	0.31	6.9	3.8	100
121929	77.2	30.8	5.3	0.9	0.5	1.3	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.28	10.9	0.17	7.9	5.2	80
121930	106	35.9	5.4	1.0	0.5	1.2	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.41	19.4	0.18	9.3	5.4	30
121931	86.3	32.2	4.7	0.9	0.5	1.2	0.2	< 0.1	< 0.05	0.2	< 0.001	1.1	0.33	24.7	0.22	9.7	4.0	30
121932	66.3	28.8	5.1	0.9	0.5	1.2	0.1	< 0.1	< 0.05	1.2	< 0.001	1.5	0.26	18.9	0.28	8.5	3.9	90
121933	59.1	25.8	4.0	0.8	0.4	1.1	0.1	0.2	< 0.05	< 0.1	< 0.001	< 0.5	0.28	24.4	0.31	8.4	3.3	80
121934	64.9	26.7	4.4	0.8	0.4	1.1	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.28	24.3	0.33	9.1	3.2	90
121935	77.8	30.4	5.9	0.9	0.5	1.2	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.25	11.1	0.19	9.6	3.9	40
121936	56.6	27.2	3.6	0.8	0.4	1.1	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.17	6.1	0.13	7.9	3.4	40
121937	48.9	23.7	3.7	0.6	0.4	1.0	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.11	10.0	0.15	4.8	3.5	60
121938	72.2	31.5	5.4	0.9	0.5	1.3	0.2	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.25	31.3	0.39	7.6	4.6	100
121939	68.5	25.6	4.1	0.7	0.4	1.0	0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.27	10.3	0.17	10.6	0.9	20
121940	93.5	35.6	6.3	1.0	0.5	1.4	0.2	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.26	10.9	0.20	8.6	6.0	80
121941	20.6	8.70	1.4	0.2	0.2	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	3.8	0.03	5.2	0.5	10
9501	28.5	11.3	1.9	0.4	0.2	0.8	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	1.0	< 0.02	1.1	< 0.1	< 10
9502	10.3	3.48	0.6	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	< 0.02	0.5	< 0.02	0.3	< 0.1	< 10
9503	10.4	5.14	0.9	0.3	0.2	0.5	< 0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	< 0.02	0.4	< 0.02	0.4	< 0.1	< 10
9504	4.80	1.90	0.2	0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	4.1	< 0.02	0.2	< 0.1	30
9505	6.93	3.74	1.1	0.2	0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	0.7	< 0.02	0.4	< 0.1	10
9506	3.65	1.96	0.9	0.5	0.1	0.4	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	28.4	< 0.02	1.5	< 0.02	0.1	< 0.1	< 10
9507	2.19	0.96	0.2	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.14	2.3	0.03	< 0.1	< 0.1	40
9508	2.94	1.50	0.3	0.2	< 0.1	0.2	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.14	2.7	0.02	0.1	< 0.1	50
9509	3.17	1.50	0.2	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	0.001	< 0.5	0.06	2.3	0.04	< 0.1	0.1	60

Analyte Symbol	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	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
9510	2.82	1.31	0.2	0.2	< 0.1	0.1	< 0.1	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.05	4.0	0.25	0.2	< 0.1	20
9511	17.3	11.2	3.8	1.1	0.7	2.6	0.3	0.2	< 0.05	< 0.1	< 0.001	1.9	< 0.02	0.8	0.02	0.6	< 0.1	20
9512	3.15	1.64	0.5	0.1	< 0.1	0.2	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	7.6	< 0.02	0.7	< 0.02	0.2	< 0.1	< 10
9513	3.05	1.66	0.5	0.5	0.1	0.2	< 0.1	< 0.1	< 0.05	0.1	< 0.001	3.6	< 0.02	3.6	< 0.02	< 0.1	< 0.1	40
9514	9.73	5.56	1.2	0.4	0.3	0.8	< 0.1	0.5	< 0.05	< 0.1	0.001	1.5	< 0.02	7.2	0.33	1.5	0.3	90
121920A	21.5	8.82	1.3	0.2	0.1	0.3	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.9	0.02	3.8	0.03	6.0	0.4	< 10

Analyte Symbol	LOI 500C	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit		0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1
Method Code	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
OREAS 45d (Aqua Regia) Meas		14.2			0.037	0.16	5.09	0.032	0.039	0.10	0.09	174	482		415	13.1	25.9	192	356	33.4	16.3		3.2
OREAS 45d (Aqua Regia) Cert		11.9			0.031	0.144	4.860	0.035	0.045	0.097	0.09	201.0	467		400.000	13.650	26.2	176.0	345.0	30.6	17.9		6.50
OREAS 45d (Aqua Regia) Meas		15.8			0.036	0.17	4.98			0.10	0.08	181	445		394	14.1	26.9	177	341	35.7	18.0		4.5
OREAS 45d (Aqua Regia) Cert		11.9			0.031	0.144	4.860			0.097	0.09	201.0	467		400.000	13.650	26.2	176.0	345.0	30.6	17.9		6.50
OREAS 45d (Aqua Regia) Meas		14.8			0.032	0.16	5.00			0.09	0.09	170	415		359	12.6	24.2	167	324	37.3	16.4		4.2
OREAS 45d (Aqua Regia) Cert		11.9			0.031	0.144	4.860			0.097	0.09	201.0	467		400.000	13.650	26.2	176.0	345.0	30.6	17.9		6.50
OREAS 922 (AQUA REGIA) Meas								0.060	0.370														
OREAS 922 (AQUA REGIA) Cert								0.063	0.386														
OREAS 923 (AQUA REGIA) Meas		25.5	0.7			1.35	2.54	0.060	0.676	0.32	0.35	27	39		843	5.79	25.4	35.3	4280	327	8.26		8.1
OREAS 923 (AQUA REGIA) Cert		23.4	0.61			1.43	2.80	0.061	0.684	0.322	0.326	30.6	39.4		850	5.91	22.2	32.7	4248	335	8.01		7.07
OREAS 923 (AQUA REGIA) Meas		21.4	0.6			1.20	2.29			0.28	0.33	25	35		788	5.15	19.1	29.3	4020	299	7.07		6.5
OREAS 923 (AQUA REGIA) Cert		23.4	0.61			1.43	2.80			0.322	0.326	30.6	39.4		850	5.91	22.2	32.7	4248	335	8.01		7.07
OREAS 923 (AQUA REGIA) Meas		21.6	0.6			1.35	2.68			0.33	0.40	31	46		902	5.96	22.2	34.0	4540	330	7.79		7.3
OREAS 923 (AQUA REGIA) Cert		23.4	0.61			1.43	2.80			0.322	0.326	30.6	39.4		850	5.91	22.2	32.7	4248	335	8.01		7.07
OREAS 923 (AQUA REGIA) Meas		22.1	0.6			1.45	2.66			0.32	0.38	28	37		810	5.71	18.8	27.7	4100	330	7.64		8.3
OREAS 923 (AQUA REGIA) Cert		23.4	0.61			1.43	2.80			0.322	0.326	30.6	39.4		850	5.91	22.2	32.7	4248	335	8.01		7.07
Oreas 621 (Aqua Regia) Meas		8.8	0.5		0.166	0.31	1.63	0.030	4.707	0.33	1.50	10	28		511	3.31	30.5	27.1	3540	> 5000	10.4		79.3
Oreas 621 (Aqua Regia) Cert		8.17	0.530		0.160	0.436	1.60	0.0335	4.50	0.333	1.65	10.9	31.3		520	3.43	27.9	25.8	3660	51700	9.29		75.0
Oreas 621 (Aqua Regia) Meas		7.4	0.5		0.155	0.44	1.60			0.29	1.62	11	28		474	3.19	26.4	21.7	3400	> 5000	9.54		77.2
Oreas 621 (Aqua Regia) Cert		8.17	0.530		0.160	0.436	1.60			0.333	1.65	10.9	31.3		520	3.43	27.9	25.8	3660	51700	9.29		75.0
OREAS 130 (Aqua Regia) Meas		31.2				0.89	1.08	0.085	6.231	0.49	1.68	33	26	0.04	1600	7.03	25.4	33.9	218	> 5000	5.02		213
OREAS 130 (Aqua Regia) Cert		29.9				0.892	1.10	0.0860	6.02	0.500	1.81	33.1	23.2	0.0270	1630	7.27	27.1	35.2	226	16900	4.78		205
OREAS 130 (Aqua Regia)		27.7				0.86	1.16			0.46	1.63	35	27		1620	6.88	26.4	34.1	237	> 5000	4.53		189

Analyte Symbol	LOI 500C	Li	Be	B	Na	Mg	Al	P	S	K	Ca	V	Cr	Ti	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As
Unit Symbol	%	ppm	ppm	ppm	%	%	%	%	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Lower Limit		0.1	0.1	1	0.001	0.01	0.01	0.001	0.001	0.01	0.01	1	1	0.01	1	0.01	0.1	0.1	0.2	0.1	0.02	0.1	0.1
Method Code	GRAV	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-ICP	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS	AR-MS
Meas																							
OREAS 130 (Aqua Regia) Cert		29.9				0.892	1.10			0.500	1.81	33.1	23.2		1630	7.27	27.1	35.2	226	16900	4.78		205
OREAS 130 (Aqua Regia) Meas		29.1				0.94	1.06			0.46	1.66	33	25		1590	7.17	24.8	30.3	227	> 5000	4.70		217
OREAS 130 (Aqua Regia) Cert		29.9				0.892	1.10			0.500	1.81	33.1	23.2		1630	7.27	27.1	35.2	226	16900	4.78		205
OREAS 153b (Aqua Regia) Meas		3.8	0.2		0.165	1.46	2.36	0.049	1.262	0.35	1.29	149	16	0.06	236	3.66	15.8	10.8	6950	122	8.61		82.8
OREAS 153b (Aqua Regia) Cert		3.28	0.180		0.148	1.47	2.28	0.0470	1.27	0.365	1.32	153	16.2	0.0500	240	3.60	14.9	11.1	6700	118	8.06		80.0
OREAS 153b (Aqua Regia) Meas		3.3	0.1		0.154	1.31	2.21			0.36	1.29	155	18		263	3.54	15.2	11.0	6970	113	7.61		73.1
OREAS 153b (Aqua Regia) Cert		3.28	0.180		0.148	1.47	2.28			0.365	1.32	153	16.2		240	3.60	14.9	11.1	6700	118	8.06		80.0
121906 Orig		18.0	0.5	13	0.049	0.65	2.01	0.110	0.114	0.26	0.64	58	53	0.11	1360	3.74	11.4	27.8	23.0	83.8	5.36	< 0.1	3.2
121906 Dup		18.7	0.7	14	0.061	0.73	2.15	0.111	0.114	0.25	0.65	61	54	0.11	1360	3.89	11.7	28.2	23.4	90.2	5.81	< 0.1	3.2
121906 Orig		20.2	0.5	13	0.045	0.74	2.01			0.24	0.64	56	46		1230	3.76	11.1	25.3	22.7	95.2	5.30	< 0.1	5.0
121906 Dup		19.9	0.6	13	0.048	0.74	1.94			0.24	0.61	55	45		1240	3.75	10.8	24.6	22.2	89.0	5.26	< 0.1	4.6
121929 Orig	12.21																						
121929 Dup	12.26																						
121934 Orig		25.1	0.8	15	0.065	1.03	2.37	0.069	0.085	0.36	0.73	68	69	0.11	873	4.24	14.8	37.1	31.0	100	8.16	< 0.1	3.3
121934 Dup		23.8	0.7	14	0.065	0.96	2.35	0.070	0.085	0.37	0.73	63	66	0.10	862	3.94	14.2	34.0	28.8	94.8	7.65	< 0.1	3.3
121920A Orig	0.86																						
121920A Dup	0.80																						
Method Blank		< 0.1	< 0.1	< 1	0.002	< 0.01	< 0.01			< 0.01	< 0.01	< 1	< 1		< 1	< 0.01	< 0.1	< 0.1	< 0.2	< 0.1	0.06	< 0.1	< 0.1
Method Blank		< 0.1	< 0.1	5	0.007	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	< 1	< 1	< 0.01	< 1	< 0.01	0.1	0.3	< 0.2	1.2	< 0.02	< 0.1	< 0.1
Method Blank		< 0.1	< 0.1	5	0.009	< 0.01	< 0.01			< 0.01	< 0.01	< 1	< 1		< 1	< 0.01	< 0.1	0.1	< 0.2	0.3	0.09	< 0.1	< 0.1
Method Blank		< 0.1	< 0.1	4	0.006	< 0.01	< 0.01			< 0.01	< 0.01	< 1	< 1		< 1	< 0.01	< 0.1	< 0.1	< 0.2	< 0.1	0.05	< 0.1	0.8
Method Blank		< 0.1	< 0.1	4	0.008	< 0.01	< 0.01	< 0.001	< 0.001	< 0.01	< 0.01	< 1	< 1	< 0.01	< 1	< 0.01	< 0.1	0.1	< 0.2	0.9	< 0.02	< 0.1	0.5

Analyte Symbol	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La
Unit Symbol	ppm	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	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5
Method Code	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	AR-MS
OREAS 45d (Aqua Regia) Meas		20.7	11.4	4.05		43.2											0.08	1.48				85.3	10.1
OREAS 45d (Aqua Regia) Cert		20.9	11.0	5.08		41.50											0.085	1.950				80	9.960
OREAS 45d (Aqua Regia) Meas		20.7	12.4	4.52		41.1											0.07	1.76				79.0	10.3
OREAS 45d (Aqua Regia) Cert		20.9	11.0	5.08		41.50											0.085	1.950				80	9.960
OREAS 45d (Aqua Regia) Meas		19.7	11.6	4.23		39.8											0.09	1.70				73.7	9.8
OREAS 45d (Aqua Regia) Cert		20.9	11.0	5.08		41.50											0.085	1.950				80	9.960
OREAS 922 (AQUA REGIA) Meas																							
OREAS 922 (AQUA REGIA) Cert																							
OREAS 923 (AQUA REGIA) Meas	5.6	18.0	12.3	16.1	6.2	3.4	7.0	4.2						0.84	1.62	0.29	0.36	6.01	0.34		1.25	20.3	28.4
OREAS 923 (AQUA REGIA) Cert	5.99	19.6	13.6	14.3	22.5	3.09	6.79	4.07						0.84	1.62	0.40	0.45	5.99	0.58		1.56	54	30.0
OREAS 923 (AQUA REGIA) Meas	5.7	16.9	11.9	15.0	7.2	2.7	6.7	4.2						0.83	1.31	0.32	0.40	5.40	0.45		1.31	35.4	30.8
OREAS 923 (AQUA REGIA) Cert	5.99	19.6	13.6	14.3	22.5	3.09	6.79	4.07						0.84	1.62	0.40	0.45	5.99	0.58		1.56	54	30.0
OREAS 923 (AQUA REGIA) Meas	6.0	21.5	13.8	17.1	14.5	3.9	7.4	4.5						0.92	1.69	0.44	0.43	6.53	0.74		1.37	32.6	35.4
OREAS 923 (AQUA REGIA) Cert	5.99	19.6	13.6	14.3	22.5	3.09	6.79	4.07						0.84	1.62	0.40	0.45	5.99	0.58		1.56	54	30.0
OREAS 923 (AQUA REGIA) Meas	5.3	19.6	12.9	16.7	15.7	3.1	7.5	3.8						0.90	1.63	0.39	0.42	6.17	0.70		1.40	37.4	31.8
OREAS 923 (AQUA REGIA) Cert	5.99	19.6	13.6	14.3	22.5	3.09	6.79	4.07						0.84	1.62	0.40	0.45	5.99	0.58		1.56	54	30.0
Oreas 621 (Aqua Regia) Meas	4.9		13.6	7.35	7.0	2.4								13.5	67.3	253	1.68	2.87	61.6		0.96		15.0
Oreas 621 (Aqua Regia) Cert	5.64		18.9	6.87	55.0	2.20								13.3	68.0	278	1.73	2.68	107		1.01		19.4
Oreas 621 (Aqua Regia) Meas	5.0		17.1	7.41	46.7	2.7								13.6	67.3	275	1.57	2.71	121		0.99		17.6
Oreas 621 (Aqua Regia) Cert	5.64		18.9	6.87	55.0	2.20								13.3	68.0	278	1.73	2.68	107		1.01		19.4
OREAS 130 (Aqua Regia) Meas		39.5	20.2	12.6	23.3	3.3	5.8	3.2		0.4				8.22	6.03	26.7	0.17		4.15	0.19	2.81		20.4
OREAS 130 (Aqua Regia) Cert		41.6	23.2	13.0	19.0	3.42	5.93	3.53		0.480				8.25	6.27	28.8	0.200		4.69	0.170	2.96		26.4
OREAS 130 (Aqua Regia) Meas		44.2	19.6	11.9	31.2	3.6	5.8	3.4		0.5				7.76	5.93	29.4	0.19		4.63	0.17	3.02		23.9

Analyte Symbol	Se	Rb	Sr	Y	Zr	Sc	Pr	Gd	Dy	Ho	Er	Tm	Nb	Mo	Ag	Cd	In	Sn	Sb	Te	Cs	Ba	La
Unit Symbol	ppm	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	0.1	0.5	0.01	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.01	0.002	0.01	0.02	0.05	0.02	0.02	0.02	0.5	0.5
Method Code	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	AR-MS
OREAS 130 (Aqua Regia) Cert		41.6	23.2	13.0	19.0	3.42	5.93	3.53		0.480				8.25	6.27	28.8	0.200		4.69	0.170	2.96		26.4
OREAS 130 (Aqua Regia) Meas		41.5	20.1	12.7	28.8	3.0	5.7	3.2		0.5				8.22	6.32	29.0	0.18		5.13	0.22	2.80		22.8
OREAS 130 (Aqua Regia) Cert		41.6	23.2	13.0	19.0	3.42	5.93	3.53		0.480				8.25	6.27	28.8	0.200		4.69	0.170	2.96		26.4
OREAS 153b (Aqua Regia) Meas	11.3	6.3	33.7	8.73	0.7	10.3				1.8		0.1		159	1.49	0.25	0.20	2.53	0.55	0.20	0.16	17.1	3.2
OREAS 153b (Aqua Regia) Cert	10.5	7.34	31.4	9.38	0.860	9.98				1.92		0.130		156	1.40	0.240	0.210	3.27	2.12	0.250	0.260	22.8	3.79
OREAS 153b (Aqua Regia) Meas	10.4	7.0	34.2	8.62	0.8	10.9				2.0		0.1		155	1.53	0.23	0.22	2.94	1.26	0.23	0.17	22.6	3.9
OREAS 153b (Aqua Regia) Cert	10.5	7.34	31.4	9.38	0.860	9.98				1.92		0.130		156	1.40	0.240	0.210	3.27	2.12	0.250	0.260	22.8	3.79
121906 Orig	1.7	25.1	25.4	11.5	3.8	6.5	7.5	3.4	2.5	0.5	1.2	0.2	1.1	0.82	0.116	0.58	< 0.02	0.81	0.18	0.06	1.64	127	35.0
121906 Dup	1.6	26.8	27.5	12.1	4.2	7.0	7.7	3.5	2.7	0.5	1.2	0.2	1.1	0.76	0.124	0.57	0.03	0.77	0.16	0.02	1.69	134	36.4
121906 Orig	1.5	24.6	28.9	12.5	3.4	5.5	7.5	3.4	2.3	0.5	1.2	0.2	1.2	0.90	0.127	0.57	0.03	0.85	0.19	0.09	1.54	114	33.9
121906 Dup	1.2	24.6	27.3	12.3	3.2	5.2	8.0	3.5	2.3	0.5	1.3	0.2	1.0	0.75	0.128	0.56	0.04	0.83	0.17	0.09	1.46	116	33.7
121929 Orig																							
121929 Dup																							
121934 Orig	1.4	37.4	33.3	12.2	3.5	7.9	7.7	3.4	2.9	0.5	1.3	0.2	0.6	0.52	0.108	0.47	0.04	0.71	0.15	0.04	2.11	78.8	36.4
121934 Dup	1.4	36.5	32.7	11.3	3.2	8.1	7.4	3.4	2.7	0.4	1.2	0.1	0.5	0.45	0.103	0.42	0.03	0.61	0.13	0.03	1.96	80.0	35.3
121920A Orig																							
121920A Dup																							
Method Blank	0.7	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.02	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	0.5	< 0.5
Method Blank	0.3	< 0.1	< 0.5	< 0.01	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.06	0.006	< 0.01	< 0.02	< 0.05	< 0.02	< 0.02	< 0.02	3.8	< 0.5
Method Blank	0.9	< 0.1	< 0.5	< 0.01	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.06	< 0.002	< 0.01	< 0.02	0.10	0.15	< 0.02	0.03	4.0	< 0.5
Method Blank	0.6	< 0.1	< 0.5	< 0.01	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.02	< 0.002	< 0.01	< 0.02	< 0.05	< 0.02	0.03	< 0.02	2.8	< 0.5
Method Blank	0.3	< 0.1	< 0.5	< 0.01	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.01	0.005	< 0.01	< 0.02	< 0.05	< 0.02	0.03	< 0.02	3.2	< 0.5

Analyte Symbol	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	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
OREAS 45d (Aqua Regia) Meas	22.6											13.3		17.8	0.26	11.7	1.5	
OREAS 45d (Aqua Regia) Cert	24.8											21		17.00	0.30	11.3	1.64	
OREAS 45d (Aqua Regia) Meas	25.3											16.1		17.8	0.27	10.9	1.7	
OREAS 45d (Aqua Regia) Cert	24.8											21		17.00	0.30	11.3	1.64	
OREAS 45d (Aqua Regia) Meas	24.2											18.0		17.2	0.27	10.5	1.6	
OREAS 45d (Aqua Regia) Cert	24.8											21		17.00	0.30	11.3	1.64	
OREAS 922 (AQUA REGIA) Meas																		
OREAS 922 (AQUA REGIA) Cert																		
OREAS 923 (AQUA REGIA) Meas	64.3	27.0	4.5		0.6			0.1		1.3			0.14	77.8	23.0	14.6	2.0	
OREAS 923 (AQUA REGIA) Cert	60	25.4	4.34		0.54			0.60		1.96			0.12	81	21.8	14.3	1.80	
OREAS 923 (AQUA REGIA) Meas	57.0	24.7	4.5		0.6			0.2		1.8			0.13	75.4	18.8	14.0	1.9	
OREAS 923 (AQUA REGIA) Cert	60	25.4	4.34		0.54			0.60		1.96			0.12	81	21.8	14.3	1.80	
OREAS 923 (AQUA REGIA) Meas	65.7	27.9	5.2		0.6			0.2		1.5			0.15	86.3	23.9	16.9	2.0	
OREAS 923 (AQUA REGIA) Cert	60	25.4	4.34		0.54			0.60		1.96			0.12	81	21.8	14.3	1.80	
OREAS 923 (AQUA REGIA) Meas	65.7	26.0	5.7		0.6			0.2		1.7			0.14	79.5	21.7	14.3	2.2	
OREAS 923 (AQUA REGIA) Cert	60	25.4	4.34		0.54			0.60		1.96			0.12	81	21.8	14.3	1.80	
Oreas 621 (Aqua Regia) Meas	39.4				0.4	0.6	< 0.1	< 0.1		0.7		1380	0.93	> 5000	4.21	4.9	1.7	4050
Oreas 621 (Aqua Regia) Cert	39.6				0.330	0.520	0.0780	1.43		1.00		1230	0.770	13600	3.85	5.91	1.63	3930
Oreas 621 (Aqua Regia) Meas	39.5				0.3	0.6	< 0.1	1.0		1.3		1200	0.79	> 5000	4.01	5.0	1.8	3790
Oreas 621 (Aqua Regia) Cert	39.6				0.330	0.520	0.0780	1.43		1.00		1230	0.770	13600	3.85	5.91	1.63	3930
OREAS 130 (Aqua Regia) Meas	51.6						0.1	0.4		1.4			4.41	1360	3.17	9.7	7.8	650
OREAS 130 (Aqua Regia) Cert	54.0						0.150	0.610		1.40			5.92	1300	3.05	10.3	8.36	670
OREAS 130 (Aqua Regia) Meas	49.6						0.2	0.9		1.5			4.68	1320	3.13	10.7	7.9	660

Analyte Symbol	Ce	Nd	Sm	Eu	Tb	Yb	Lu	Hf	Ta	W	Re	Au	Tl	Pb	Bi	Th	U	Hg
Unit Symbol	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppb
Lower Limit	0.01	0.02	0.1	0.1	0.1	0.1	0.1	0.1	0.05	0.1	0.001	0.5	0.02	0.1	0.02	0.1	0.1	10
Method Code	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
OREAS 130 (Aqua Regia) Cert	54.0						0.150	0.610		1.40			5.92	1300	3.05	10.3	8.36	670
OREAS 130 (Aqua Regia) Meas	53.2						0.1	0.8		1.7			5.30	1280	2.97	9.4	8.6	720
OREAS 130 (Aqua Regia) Cert	54.0						0.150	0.610		1.40			5.92	1300	3.05	10.3	8.36	670
OREAS 153b (Aqua Regia) Meas	9.03	6.59	1.6		0.3	0.8	0.1				0.201	339	0.07	13.1	1.71	0.3	< 0.1	70
OREAS 153b (Aqua Regia) Cert	9.11	6.31	1.71		0.310	0.83	0.110				0.170	320	0.0640	12.4	1.81	0.350	0.0610	66.0
OREAS 153b (Aqua Regia) Meas	8.98	6.11	1.8		0.3	0.8	0.1				0.176	327	0.07	13.5	1.80	0.4	< 0.1	70
OREAS 153b (Aqua Regia) Cert	9.11	6.31	1.71		0.310	0.83	0.110				0.170	320	0.0640	12.4	1.81	0.350	0.0610	66.0
121906 Orig	63.8	27.5	4.6	0.8	0.4	1.1	0.1	< 0.1	< 0.05	0.1	0.001	< 0.5	0.22	23.6	0.31	6.2	3.2	90
121906 Dup	65.9	28.6	5.2	0.8	0.5	1.1	0.2	0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.25	24.2	0.32	6.6	3.3	100
121906 Orig	68.9	27.0	4.8	0.8	0.4	1.0	0.1	< 0.1	< 0.05	0.1	< 0.001	< 0.5	0.24	22.6	0.29	5.6	3.4	100
121906 Dup	67.6	26.9	5.3	0.8	0.4	1.0	0.2	< 0.1	< 0.05	0.1	< 0.001	1.6	0.24	22.5	0.29	5.8	3.4	110
121929 Orig																		
121929 Dup																		
121934 Orig	66.9	27.3	5.0	0.8	0.4	1.2	0.2	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	0.29	25.4	0.35	9.3	3.3	90
121934 Dup	63.0	26.1	3.8	0.8	0.4	1.1	0.1	< 0.1	< 0.05	0.3	< 0.001	< 0.5	0.27	23.3	0.32	8.8	3.1	90
121920A Orig																		
121920A Dup																		
Method Blank	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	0.6	< 0.02	< 0.1	< 0.1	10
Method Blank	< 0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	< 10
Method Blank	0.01	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	1.8	< 0.02	0.1	< 0.02	< 0.1	< 0.1	10
Method Blank	0.03	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	< 0.5	< 0.02	0.3	< 0.02	< 0.1	< 0.1	10
Method Blank	0.02	< 0.02	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.05	< 0.1	< 0.001	0.7	< 0.02	< 0.1	< 0.02	< 0.1	< 0.1	< 10

Expenditures	Unit	Rate	Total
Labour Work	24	\$600	\$14,400.00
Travel (CB - Thunder Bay, GM - Burlington, MR - Toronto)	3593	\$0.61	\$2,191.73
Boat Use - Maxwell Island Lodge	6	\$100	\$600.00
Room and Board - Maxwell Island Lodge	24	\$250	\$6,000.00
Labour - Planning, Logistics, and Sample Delivery	7	\$600	\$4,200.00
Labour - Reporting	7	\$600	\$4,200.00
Analytical Services - Activation Laboratories	1	\$2,809	\$2,809.07
Total			\$34,400.80

Allocation of Cost

	Cost	Per Sample
Samples total	53 \$34,400.80	\$649.07
Samples on Property	46	\$29,857.30
Samples off Property - Crown Land time of work.	7	\$4,543.50

Mineral Cells	Property	Samples	Allocation	Distribution
657326	Golden Row	1	649	
657325	Golden Row			
657324	Golden Row	2	1298	
657323	Golden Row	1	649	
657322	Golden Row			
657321	Golden Row			
657320	Golden Row	3	1947	
657319	Golden Row	1	649	
657318	Golden Row			
657317	Golden Row	1	649	
657316	Golden Row			
657315	Golden Row			
657314	Golden Row	1	649	
657313	Golden Row			
657312	Golden Row			
657311	Golden Row			
657310	Golden Row	1	649	
657309	Chutes Gold	2	1298	
657308	Chutes Gold			
657307	Chutes Gold	1	649	
657306	Chutes Gold	2	1298	
612969	Neepawa West			
612923	Neepawa West			
612922	Neepawa West			
612921	Neepawa West			
612920	Neepawa West			

612919	Neepawa West	1	649
612918	Neepawa West		
612917	Neepawa West		
612916	Neepawa West		
612915	Neepawa West		
612914	Neepawa West		
612913	Neepawa West		
612912	Neepawa West		
612911	Neepawa West		
612910	Neepawa West		
612909	Neepawa West		
612908	Neepawa West		
612907	Neepawa West	1	649
612906	Neepawa West		
612905	Neepawa West	1	649
612904	Neepawa West	1	649
612903	Neepawa West		
612902	Neepawa West		
612901	Neepawa West	1	649
612900	Neepawa West	1	649
612899	Neepawa West		
612898	Neepawa West	1	649
612897	Neepawa West		
612896	Neepawa West		
612895	Neepawa West	1	649
612894	Neepawa West		
612893	Neepawa West		
612892	Neepawa West		
612891	Neepawa West		
612890	Neepawa West		
612889	Neepawa West		
612888	Neepawa West	1	649
612887	Neepawa West	1	649
612886	Neepawa West		
612885	Neepawa West		
612884	Neepawa West		
612838	Neepawa West		
612837	Neepawa West		
612836	Neepawa West		
612835	Neepawa West	1	649
612834	Neepawa West		
612833	Neepawa West	1	649
612832	Neepawa West	1	649
612831	Neepawa West		
612830	Neepawa West		

612829	Neepawa West		
612828	Neepawa West		
612827	Neepawa West		
612826	Neepawa West		
612825	Neepawa West		
612824	Neepawa West		
612823	Neepawa West		
612822	Neepawa West		
612821	Neepawa East	1	649
612820	Neepawa East		
612819	Neepawa East		
612818	Neepawa East		
612817	Neepawa East		
612816	Neepawa East		
612815	Neepawa East	1	649
612814	Neepawa East	1	649
612813	Neepawa East		
612812	Neepawa East		
612811	Neepawa East	1	649
612810	Neepawa East		
612809	Neepawa East		
612808	Neepawa East		
612807	Neepawa East	1	649
612806	Neepawa East		
612805	Neepawa East		
612804	Neepawa East		
612803	Neepawa East		
612802	Neepawa East	2	1298
612801	Neepawa East		
612800	Neepawa East	1	649
612799	Neepawa East		
612798	Neepawa East	1	649
612797	Neepawa East	1	649
612796	Neepawa East	1	649
612795	Neepawa East		
612794	Neepawa East	1	649
612793	Neepawa East		
612792	Neepawa East	1	649
612791	Neepawa East	1	649
612790	Neepawa East		
612789	Neepawa East		
612788	Neepawa East	1	649
612787	Neepawa East		
612786	Neepawa East		
612785	Neepawa East		

612784	Neepawa East		
612783	Neepawa East		
612782	Neepawa East		
612781	Neepawa East		
612780	Neepawa East		
612779	Neepawa East		
612778	Neepawa East	1	649
612777	Neepawa East	1	649
612776	Neepawa East		
612775	Neepawa East		
Open Ground	Crown Land	7	4543
Totals			34397