

GEOLOGICAL TECHNICAL REPORT

2009 Drilling and Sampling Program

Cree Lake Gold Property

Swayze Township, Ontario, Canada

**LATITUDE: 47°78'N LONGITUDE: 86°66'W
NTS: 41O/15**

Mantis Explorations Inc.

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1.0 SUMMARY

The purpose of this report is to document the results and findings of a drilling and sampling program that was conducted by Mantis Explorations Ltd., during the summer of 2009 on claims held by Mantis Explorations Inc. in Swayze Township, Ontario. The target of this program was the Flint Rock Occurrence.

This report is based on data acquired from the program which was undertaken between June 29th, 2009 and August 1st, 2009. A total of 952.7-meters of drilling were completed at the Flint Rock Occurrence. 1,052-core samples were collected and submitted for gold and multi-element analysis to ALS Chemex Laboratory in Sudbury.

The Cree Lake Property is located 195-kilometers north-northwest of Sudbury, Ontario in Swayze Township. The geographic co-ordinate for the property is centered at longitude 82°66' west, latitude 47°78' north.

The Property consists of 19-claims, covering an area of approximately 4,032-hectares, registered with the Porcupine Mining Division, Timmins, Ontario. Mantis has 100% ownership in all 19-claims.

Results from the drilling program undertaken at the Flint Rock occurrence are encouraging to the extent that a new gold mineralized zone, henceforth referred to as the Mantis showing was discovered. The zone, located 150-meters northeast of the Flint rock occurrence, was intersected in hole-6. A cored interval of 15.5-meters yielded an assay of 2.053 ppm gold.

The results of the 2009-drilling program warrant follow-up work. A follow-up stripping program in the vicinity of the two most easterly drill holes is recommended to determine the surface extent of the veining in that area. An IP test survey and a 2,000-3,000-meter diamond drill program are also recommended for the Mantis showing.

2.0 INTRODUCTION

This technical report documents the results and findings of a drilling-sampling program conducted by Mantis Explorations Inc. on claims held by Mantis Explorations Inc. in Swayze Township, Ontario during the summer of 2009. The report is based on information acquired from the program which constitutes new data and findings on the 'Flint Rock' occurrence and a new discovery referred to as the Mantis showing.

The report and associated data are archived in PDF format on DVD.

2.1 TERMS OF REFERENCE

Although current assessment filings adhere to the Metric System for units of measure, archived data and publications employed either the Metric System or Imperial System. The units of measure referenced in this report adhere to the units in which they were originally reported. Conversion factors from one system to another can be obtained from various sources.

3.0 RELIANCE ON OTHER SOURCES OF INFORMATION

This Technical Report contains information from government documents, company reports, public domain documents and other technical reports. The information has been reviewed by the authors and appears to be genuine and in most cases of sound quality. Reporting limitations exist in some of the early assessment filings and these reports have to be taken at face value as they are often of a general nature. The authors have exercised all reasonable care in the compilation and production of this report.

4.0 PROPERTY LOCATION, DESCRIPTION AND OWNERSHIP

4.1 LOCATION

The Cree Lake Property is located 195-kilometers north-northwest of Sudbury, Ontario in Swayze Township. The Property lies within NTS map sheet 41O/15. The Flint Rock occurrence is located in UTM Zone 17, at approximately easting 373752 and northing 5293117 (NAD 83). The geographic co-ordinate for the property is centered at latitude 82°66' west, longitude 47°78' north.

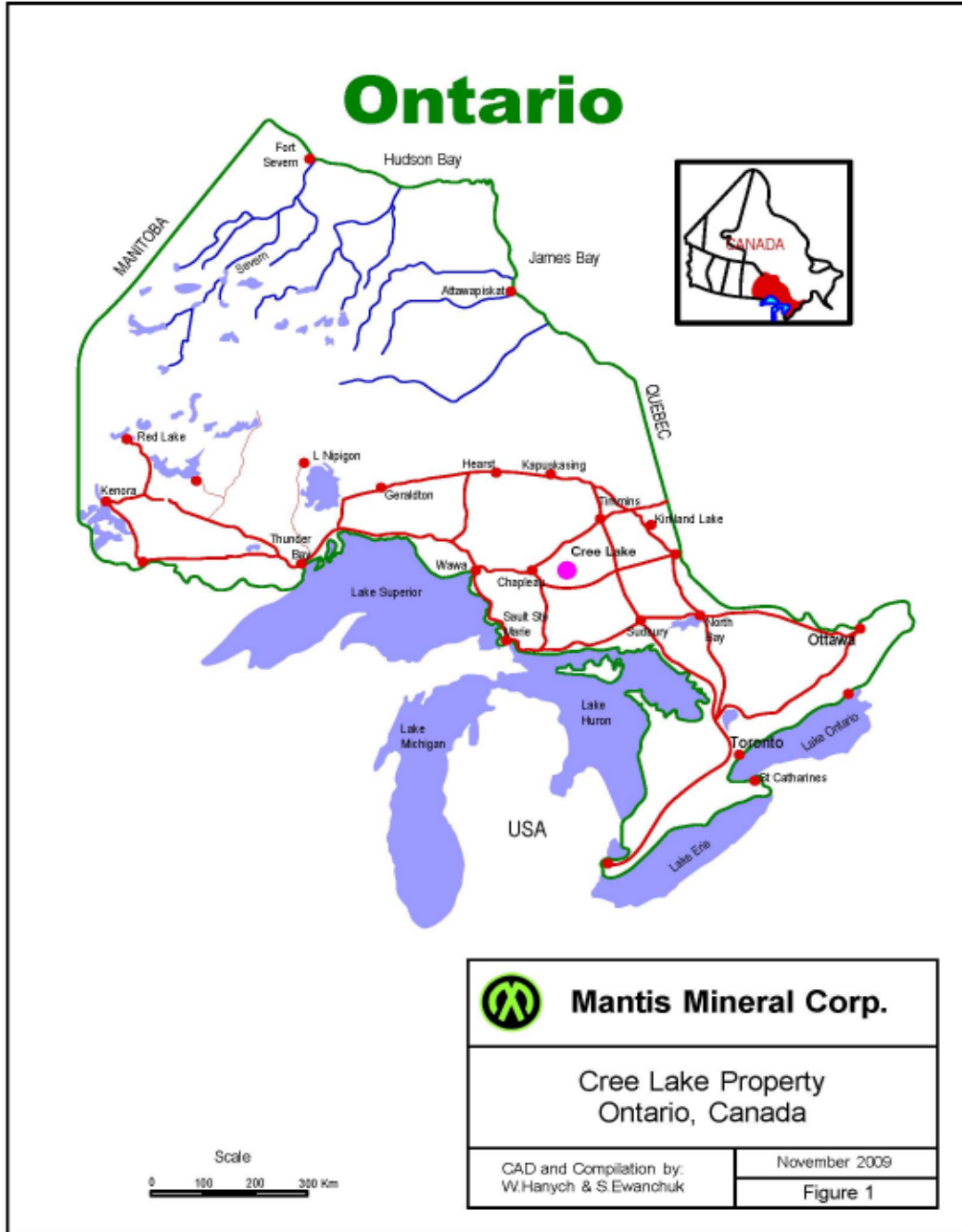


Figure 1. General location map

4.2 DESCRIPTION

The Property consists of 19-staked contiguous unpatented mining claims covering approximately 4,032-hectares. The claims are registered with the Mining Records Office, Porcupine Mining division, Timmins, Ontario. All of the claims have been staked in accordance with the Ontario Mining Act and are open to public scrutiny by accessing Ministry of Northern Development and Mines website at, www.gov.on.ca/mndm/mines. The earliest due dates affect 7-claims which have an anniversary date of April 3, 2010. A Summary of all of the claims and anniversary dates is tabled below.

Table-1: Claim data Cree Lake						
Township	Claim	Units	Hectares	Recording	Due Date	Ownership
Claim Map No.	Number			Date		
Swayze (G-3249)	3005501	16	256	3-Apr-08	3-Apr-10	100% Mantis
Swayze (G-3249)	3005502	16	256	3-Apr-08	3-Apr-10	100% Mantis
Swayze (G-3249)	3005503	16	256	3-Apr-08	3-Apr-10	100% Mantis
Swayze (G-3249)	3005504	16	256	3-Apr-08	3-Apr-10	100% Mantis
Swayze (G-3249)	4201534	16	256	3-Apr-08	3-Apr-10	100% Mantis
Swayze (G-3249)	4209787	16	256	4-Oct-06	4-Oct-10	100% Mantis
Swayze (G-3249)	4212201	16	256	4-Oct-06	4-Oct-10	100% Mantis
Swayze (G-3249)	4212280	16	256	4-Oct-06	4-Oct-10	100% Mantis
Swayze (G-3249)	4212281	16	256	4-Oct-06	4-Oct-10	100% Mantis
Swayze (G-3249)	4212282	16	256	4-Oct-06	4-Oct-10	100% Mantis
Swayze (G-3249)	4218527	4	64	3-Apr-08	3-Apr-10	100% Mantis
Swayze (G-3249)	4218528	14	224	3-Apr-08	3-Apr-10	100% Mantis
Swayze (G-3249)	4203275	8	128	4-Oct-04	4-Oct-11	100% Mantis
Swayze (G-3249)	4203295	16	256	4-Oct-04	4-Oct-11	100% Mantis
Swayze (G-3249)	4203296	8	128	4-Oct-04	4-Oct-11	100% Mantis
Swayze (G-3249)	4209811	16	256	26-Oct-06	26-Oct-11	100% Mantis
Swayze (G-3249)	4240850	12	192	15-Dec-08	19-Dec-10	100% Mantis
Swayze (G-3249)	4244056	6	96	15-Dec-08	19-Dec-10	100% Mantis
Swayze (G-3249)	4246622	8	128	23-Apr-09	23-Apr-11	100% Mantis
Totals	19	252	4032			

Aside from standard regulatory environmental restrictions on exploration and development there are no known existing environmental liabilities to which the property is subject. The claims lie within an active Domtar logging operation, therefore the area is restricted to general public access. A letter of approval for unrestricted access along the major haul road is required from the Ministry of Natural Resource, Chapleau base, before any mechanized exploration is undertaken.

4.3 OWNERSHIP

Claims 3005501-3005504, 4201534, 4209787, 4212201, 4212280-4212282, 4218527, 4218528, 4240850, 4244056 and 4246622 were staked by Mantis Explorations Inc. a subsidiary of Mantis Mineral Corp. Claims 4203275, 4203295, 4203296 and 4209811 were acquired from

Messrs. Rintala and Johnson by an instrument of option agreement dated 2007, which has since been fulfilled, resulting in Mantis Explorations retaining 100% ownership of the claims subject to a net smelter return.

5.0 ACCESSIBILITY, CLIMATE, PHYSIOGRAPHY, RESOURCES, INFRASTRUCTURE

5.1 ACCESS

Access to the property can be gained by motor vehicle by travelling west from the cross-road of secondary Highway 560 (locally known as the Sultan road) and Highway 144. Approximately, 55-kilometers west of the cross-road Highway 560 intersects a logging haul road known as the Doré road. From this point, north for 27-kilometers to a fork in the road, the left fork which bears northward and ultimately westward leads to a restricted access logging road. The gate positioned 4.8-kilometers from the fork is controlled by Domtar and can be locked to prevent unauthorized access. At 2.7-kilometers from the gate, a 500-meter long truck drivable trail leads to a clearing from which a rough ATV trail begins. This trail leads south for 1.8-kilometers and ends up at the Flint Rock occurrence.

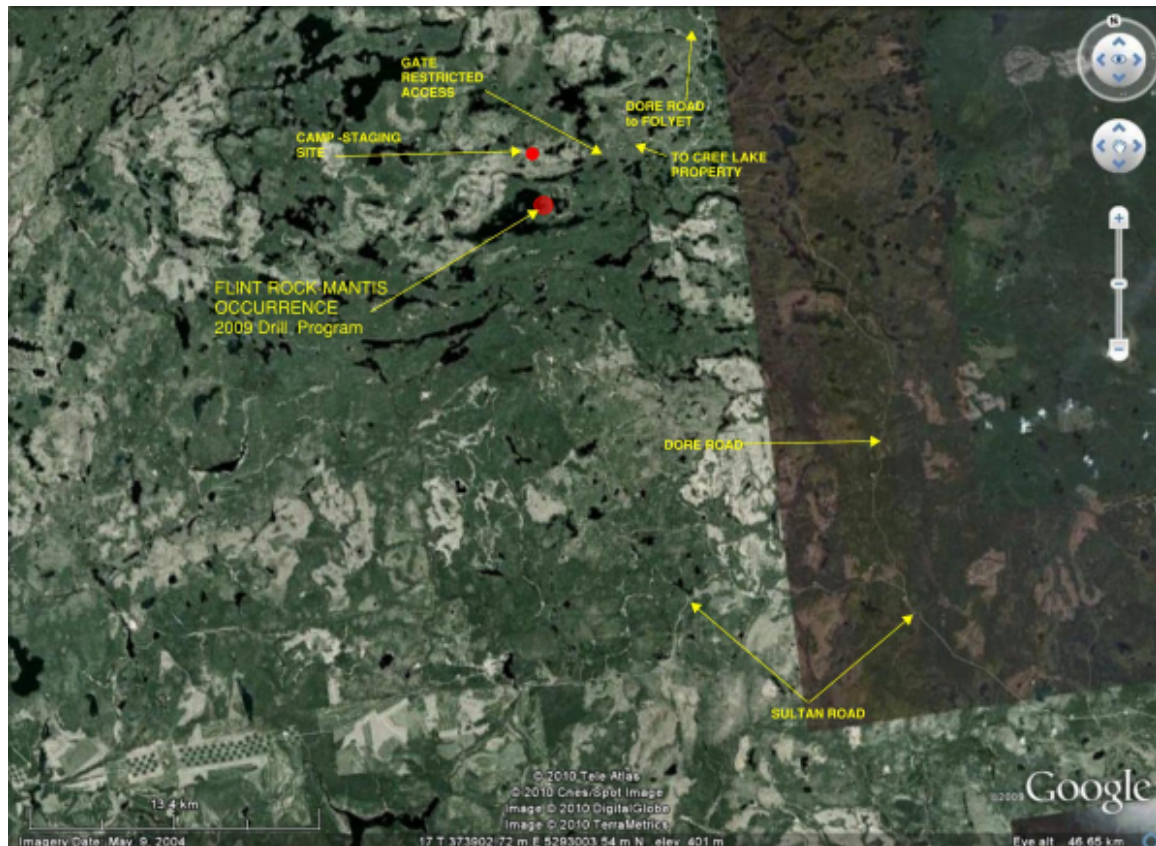


Figure 2. Location and access map

5.2 CLIMATE, VEGETATION AND PHYSIOGRAPHY

The climate of the Swayze area is typical of a northern mid-continental climate, whereby summers can vary from cool and moist to hot and dry, while winters typically last 5-months and can be quite cold. Average daily summer temperatures are in the 21° centigrade range, occasionally reaching maximums of 35° centigrade in July. Average daily winter temperatures are in the order of -16° centigrade, occasionally attaining extreme minimums of -43° centigrade in January.

Yearly snowfall is in the order of 275-centimetres with most of it occurring between December and March, when monthly average accumulations range from 15 to 28- centimetres. Yearly rainfall is in the order of 521-millimetres, occurring between April and November, when the monthly averages range from 22 to 83 millimetres, (Data source; www.climate.weatheroffice.ec.gc.ca).

Vegetation of the Property area is typical of a boreal forest. On drier ground jack pine, spruce, white pine and aspen are plentiful. In lower swampy ground, black spruce, alder and cedar are common.

The Cree Lake property is located 40-kilometers north of the height of land that separates the Arctic drainage system from the Atlantic drainage system. The proximity to the divide results in sluggish river currents and poorly drained lakes. The main river flowing into Cree Lake is the Wakami River, which flows in a southeast direction, eventually linking with the Wowman River. The more significant lakes in the immediate vicinity of the Property are Cree Lake, Ransom Lake, Freymond Lake and Saxton Lake.

Topography is typical of the Precambrian shield. Relief doesn't exceed 30-meters, with the highest elevations occurring north of Cree Lake. Sandy glacial overburden is common and blankets most of the lower lying areas.

5.3 INFRASTRUCTURE AND LOCAL RESOURCES

The closest cities to the property are Sudbury with a population of 157,850, 195-kilometers, south-southeast and Timmins with a population of 43,600, 130-kilometers northeast of the property. Both cities are well known mining centres supporting an extensive infrastructure, accommodating mining and mineral exploration. The Watershed Restaurant, Car & Truck Stop at the intersection of secondary highway 560 and highway 144, is the closest cross-road with fuel, food and limited accommodations, and is situated about 90-kilometers by road from the property.

6.0 PROPERTY HISTORY

6.1 GENERAL HISTORY

Prospecting in the Swayze area became active in 1931 when the Kenty gold discovery was made by J.G. and J.L. Kenty in August of the same year. In 1933, two shafts were sunk on the property, 510 and 534 feet deep, with 6,750 feet of corresponding lateral development. By 1934, productions at the mine were suspended due to low gold values, but exploration within the Swayze Gold area continued. In the early 1930's, Buffalo-Canadian Gold Mines Ltd. made a gold discovery south of Hook Lake and east of Cree Lake, named the 'Buffalo-Canadian' occurrence.

They followed this with a trenching, stripping and diamond drill program in 1933. The area was geologically mapped by Furse (1932), Rickaby (1934) and V.B.Meen (1941).

Little exploration activity occurred after 1941 until Flint Rock Mines Ltd. acquired the claims in the area and proceeded to drill 34-diamond drill holes at the 'Flint Rock' occurrence. This program was carried out from 1962-63, on the mainland and the island in Cree Lake, totalling 4,450 feet. A geological report by J.F.Donovan was submitted in 1965, as well as a subsequent geological map in 1968. INCO gained rights to the property and area in 1966 and carried out a two hole drill program. In 1976, UMEX completed a 1,158 line-mile airborne magnetic survey over Denyes, Swayze, Dore and Heenan townships.

The 1980s appeared to be the most active time for the property and area with many air and ground exploration programs taking place. Further geological mapping in the area was completed by Siragusa and a new map was generated from the results (1980). From late 1980 to early 1981, the Ontario Ministry of Natural Resources performed an airborne INPUT electromagnetic and magnetometer survey. Troudor Resources Inc. staked the ground between Cree Lake and Cuckoo Lake in 1981, following up with a VLF-EM and magnetometer survey the next year, as well as a report by D.R. MacQuarrie on their findings. In 1982, L.J. Cunningham geologically mapped the area, as well as cleaned out and re-sampled the old pits. Canadian Nickel Company staked 560 contiguous claims in 1981, over Denyes, Swayze and Dore townships and carried out an airborne geophysical survey, reconnaissance mapping and prospecting program. The results from this program encouraged Canadian Nickel to continue in 1984 with a line grid, geological mapping, magnetometer, IP survey and 3-diamond drill holes between Cree Lake and Cuckoo Lake. In 1984, on the south end of Cree Lake, Quintera Resources Inc. commissioned Terraquest Ltd. to carry out a combination VLF-EM and magnetometer survey, which was accompanied with a geological mapping and prospecting program. The following year, a larger program, consisting of 40-cut line-miles; magnetometer, VLF-EM and self potential surveys; and geological mapping were carried out. In the fall of 1985, Golden Rim Resources Inc. entered into an option agreement with Quintera to gain a percentage in the property. A 14-hole drill program was implemented that fall, which carried into early 1986 and totalled 7,010 feet. In 1987, Quintera/Golden Rim continued with a 6-hole drill program from March to May, totalling 2,962 feet, as well as a magnetometer and VLF-EM survey, overburden stripping and prospecting. Golden Rim lost their percentage in the property when they failed to spend the amount of exploration money agreed upon. An airborne magnetic and VLF-EM survey was flown over the north and northeast end of Cree Lake by Charet Syndicate in 1988.

During the 1990s, the ground passed between a junior company and individual prospectors. Charles Mortimer acquired the claims between Cree Lake and Cuckoo Lake and in 1990, carried out a total field magnetometer survey, as well as plugger, blasting and sampling work. Cree Lake Resources Corp. performed a 50-line-mile MaxMin II EM and magnetic surveys, data compilation and prospecting in 1990. They followed up this program in 1992 with geologic mapping, prospecting, stripping, trenching and sampling. In 1993, Ron Crichton completed a program consisting of hand stripping, 4.5 line-mile cuts, a total field magnetometer and VLF-EM survey, two diamond drill holes and assays. There are no assessment files between 1994 and the present on the Cree Lake area.

The property was acquired by Mantis Explorations Inc. in 2006. A 155-meter trenching-sampling program of the 'Flint Rock occurrence' and the 'Buffalo-Canadian occurrence' was undertaken in the fall of 2008 and a 953-meter drill program of the 'Flint Rock occurrence' in the summer of 2009

6.2 EXPLORATION HISTORY

The exploration histories documented above and below encompass land beyond the 'Flint Rock' occurrence. The exploration activities illustrate the degree to which the Swayze area has been explored. Despite these activities, the 'Flint Rock' occurrence was never re-evaluated by a thorough drill – sampling program.

- 1931 **KENTY GOLD MINES LTD.**
The discovery of the Kenty Mine, on Brett Lake in 1931 stimulated exploration activity in the Swayze belt. Two ore shoots on the surface had assays averaging 0.39 oz per ton Au over 6.3 feet wide, 50 feet long, and 3.7 feet wide, 72 feet long, averaging 0.67 oz per ton Au. Two shafts were sunk between 1931-34, 510 feet and 534 feet deep, with 6,750 feet of lateral development.
- 1930s **BUFFALO-CANADIAN GOLD MINES LTD.**
In the early 1930s, gold was discovered south of Hook Lake, east of Cree Lake. This discovery, named the 'Buffalo-Canadian' occurrence was trenched, stripped and drilled to yield assay results of 0.02-0.08 oz per ton Au in mineralized quartz within shear zones. Visible gold was reported from this site.
- 1932 **Furse**
Geological mapping of the Swayze gold area.
- 1933 **BUFFALO-CANADIAN GOLD MINES LTD.**
On the east shore of Cree Lake, a 500 foot trenching and diamond drill program was carried out.
- 1934 **Rickaby**
Geological mapping of the Swayze gold area, including Dore and Swayze townships.
- 1941 **V.B.Meen**
Geological Mapping.
- 1959 **M.W.Bartley, P.Eng**
Prospecting in the Ridout-Swayze area.
- 1961 **FLINT ROCK MINES LTD.**
D.McKechnie wrote a report after visiting the Flint Rock group that stated his recommendations for drilling, which were carried out the following year.
- 1962 **FLINT ROCK MINES LTD.**
From July 1962 - February 1963, 34-holes were drilled on the property, totalling 4,449.5 feet at what is now known as the 'Flint Rock' occurrence. On the mainland showing, 25-holes ranging from 28 to 379 feet in length were drilled, while on the island, nine holes from 85- to 160 feet in length were cored. Gold

values ranged from 0.4-20.7 oz per ton and silver values were from 0.32-4.54 oz per ton. This program also included re-sampling of old trenches.

- 1965 **J.F.Donovan**
Geological Report 33 "Geology of the Swayze and Dore Townships".
- 1966 **INCO**
Two drill holes totalling 1,133 feet were completed.
- 1968 **J.F.Donovan**
Geological mapping.
- 1976 **UMEX**
A total of 1,158 line-miles of an airborne magnetic survey were flown over Denyes, Swayze, Dore, Heenan and part of Rollo Townships by Scientrex Survey Ltd, between January 29 and March 1, 1976.
- 1980 **Siragusa**
Geological mapping.
ONTARIO MINISTRY OF NATURAL RESOURCES
An airborne INPUT electromagnetic survey and a magnetometer survey were completed in the area in late 1980 through early 1981.
- 1981 **TROUDOR RESOURCES INC.**
J.Patrie staked the ground between Cree Lake and Cuckoo Lake, which he optioned to Troudor Resources.
CANADIAN NICKEL COMPANY
In the spring, 560-contiguous claims were staked in Denyes, Swayze and Dore Townships. In the fall, an airborne geophysical survey was carried out over the area, as well as reconnaissance mapping and prospecting. Eight samples, centered on Cree Lake returned assays greater than 100 ppb Au, and five samples ranged from 20-100 ppb Au.
- 1982 **TROUDOR RESOURCES INC.**
VLF-EM and magnetometer surveys were completed by S.Young and J.K.Filo. Based on these results, a report was written by D.R.MacQuarrie which recommended an IP survey and trenching or drilling, pending positive results.
L.J.Cunningham
During October, the property was mapped, the pits were cleaned out and resampled and a report of this was submitted.
- 1984 **TROUDOR RESOURCES INC.**
Utah Mines filed assays for Troudor Resources.
CANADIAN NICKEL COMPANY LTD.

A line grid, geological mapping, magnetic survey, IP survey and 3-diamond drill holes were completed in the area between Cree Lake and Cuckoo Lake.

QUINTERRA RESOURCES/GOLDEN RIM RESOURCES

In the fall, on the south end of Cree Lake, extending south into Cunningham Township, preliminary geological mapping and prospecting was completed, with assays of grab samples performed. Terraquest Ltd. flew a combined VLF-EM and magnetic survey.

1985

QUINTERRA RESOURCES INC

In the fall, 40 line-miles were cut, south of Cree Lake onto which a magnetic, VLF-EM, self potential and magnetometer survey, as well as detailed geological mapping were completed.

A total of 7,010 feet were drilled by Longyear Canada Inc. in fourteen diamond drill holes, testing geological and geophysical targets, as well as a surface gold showing of 0.878 oz per ton Au, from November, 1985 to January, 1986. Three zones of anomalous gold were intersected from five of these drill holes, producing interesting results, including: 8.5 feet of iron-formation averaging 363 ppb Au; along a 37 foot length, best values obtained were 440 ppb, 280 ppb and 410 ppb Au in 5 foot, 3 foot and 5 foot intervals respectively; 37 feet averaging 183 ppb Au; 31.5 feet averaging 608 ppb Au, the best value of 3 feet of blue-grey to black chert, mineralized with 5% pyrite, yielded 2,000 ppb Au; and 20 feet of 600 ppb Au in a quartz veined, metasomatized, altered core at the end of the hole, the highest value from the program was 1200 ppb Au in 5 feet.

GOLDEN RIM RESOURCES INC.

Golden Rim entered into an agreement during October/November, in which a 50% interest in the property could be gained from Quinterra, if \$1,000,000 was spent on exploration over three years. The interest was not acquired, as the \$1,000,000 was not spent in full.

1987

QUINTERRA RESOURCES INC/GOLDEN RIM RESOURCES INC

A further 6-diamond drill holes totalling 2,962 feet, testing geophysical targets, were completed between March and May by Longyear Canada Inc. In the fall, a small magnetic and VLF surveying program was carried out on 20 grid lines, as well as overburden stripping around a drill hole and prospecting. In three of the holes, assay results showed: a 22 foot section of mineralized, altered mafic tuffs that averaged 0.0157 oz per ton Au; 23 feet of a graphitic zone that averaged 0.0122 oz per ton Au; and 6.5 feet of mafic tuffs, interlayered with graphite-pyrite beds that averaged 0.021 oz per ton Au.

- 1988 **CHARET SYNDICATE**
Between March and April, an airborne magnetic and VLF-EM survey was carried out by Terraquest Ltd. on the north and northeast portion of Cree Lake, as well as further east in Swayze and Dore Townships.
- 1990 **Charles Mortimer**
In January, Joe-Ann Salo was contracted to carry out a Total Field Magnetometer survey and Halo Explorations completed plugger work and blasting to obtain samples for assays.
- CREE LAKE RESOURCES CORP.**
Ground geophysical surveying of about 50 line miles, including MaxMin II EM and magnetic surveying were performed, along with data compilation and limited prospecting by MPH Consulting Ltd. from November to December.
- 1992 **CREE LAKE RESOURCES CORP.**
A fall exploration program including mapping, prospecting, 801 overburden geochemistry samples, mechanized stripping of 14-areas, 1,100 feet of trenching and sampling was completed on its 100 claim gold property in the Cree Lake area.
- 1993 **Ron Crichton**
A program involving hand stripping, 4.4 miles of line cutting, total field magnetometer, VLF EM, diamond drilling and assays was performed on the Cuckoo Lake property in Swayze Township. Two drill holes, one extended from 540ft to 692ft and the other totalling 402 ft were drilled by Larry Salo and Ron Crichton, later logged by Mark Masson and samples sent for assay.
- 2008 **MANTIS EXPLORATIONS INC.**
A 155-meter stripping, trenching and sampling program was undertaken from September to November.
- 2009 **MANTIS EXPLORATIONS INC.**
A drill program consisting of 952.7m in 7-drill holes was carried out during the month of July.

7.0 GEOLOGICAL SETTING

7.1 REGIONAL GEOLOGY

The Cree Lake property lies in the Swayze area within the 2.6-2.8 Ga. south-western Abitibi Subprovince, a Neoproterozoic granite-greenstone terrane. The area is bounded to the west by the Kapuskasing Structural Zone and to the east by the Kenogamissi Batholith, (see Appendix H).

The property is hosted within the Halcrow-Swayze assemblage, one of nine assemblages of the area that were historically and collectively referred to as the "Swayze Greenstone Belt". This assemblage, consisting of east trending komatiitic flows, tholeiitic basalts, felsic and calc-alkaline metavolcanics, and oxide facies iron formation, has been intruded by late quartz-feldspar porphyry and bodies of lamprophyre. Intense east to southeast striking shearing with 30° westerly plunging lineation occurs in the southern portion of the assemblage. The volcanic assemblages have been subjected to internal folding, producing subvertically oriented stratigraphy.

In the Cree Lake area, ultramafic to mafic flows are spatially associated with margins of the assemblage while intermediate to felsic metavolcanics are concentrated towards the interior. Komatiitic flows at the northern and southern contacts of the assemblage are distinguished by a high magnetic signature and may correlate with each other through a large scale, west-northwest striking, west closing anticline.¹

Sedimentary rocks in the Swayze area characterize the Ridout and Raney-Newton assemblages, and in general terms consist of conglomerate, arkose, wackes and iron formation. The Raney-Newton assemblage, historically referred to as the "Swayze Series", occurs at the northern contact of the Halcrow-Swayze assemblage, while the Ridout assemblage occurs at the southern contact. Within the Ridout assemblage, east-west trending, vertically dipping oxide facies iron formations occur south of Cree Lake.

Two past producing gold mines are situated in the Swayze area; the Jerome and the Kenty. The Jerome gold mine is located 38-kilometers southeast of Cree Lake and occurs within the Ridout assemblage. The Kenty mine is located approximately 7,000-meters northeast of Cree Lake and like the Cree Lake property is hosted within the Halcrow-Swayze assemblage.

At the Jerome mine, 333,060 tons of ore was milled between 1941-1943 and yielded 56,879 ounces of gold at a recovered grade of 0.17 ounce per ton. The gold occurs within an intense deformation zone characterized by strong carbonate stockworks, quartz veining and breccia, at the contact between sediments and granodiorite porphyry. High gold values correlate with quartz veins containing appreciable amounts of molybdenum.

At the Kenty mine, development work between 1931 to 1934 consisted of the sinking of two shafts, 510-feet and 534-feet deep, the No.1 and No.2 respectively. Three levels were accessed by the No.1 shaft and two by the No.2 shaft. Production figures are not available; however, published reserves of unspecified grade report that 69,000 tons of ore was outlined in the No.1 shaft area and 290,000 tons in the No.2 shaft area.

Gold mineralization is contained within quartz-carbonate veins in altered meta-volcanics within high strain zones spatially associated to a large body of feldspar porphyry.

¹ Jackson, S.L., Fyon, J.A. 1991. The Western Abitibi Subprovince; in Geology of Ontario, Ontario Geological Survey, Special Volume 4, Part 1, p.448-449.

7.2 LOCAL GEOLOGY

The Cree Lake property is hosted by meta-volcanics which are highly altered to the greenschist facies and display secondary minerals of chlorite, uralite, sericite, carbonate and locally cubic pyrite. East-west trending shear fabrics dominate, locally forming intense zones of deformation, occasionally coalescing to attain meter-scale widths. Within the shear zones, late stockworks carbonate veining has overprinted a strong pervasive carbonatization of the host rock which can extend for meters beyond the immediate zones of shearing. The shear zones can also contain, gold-copper-lead-zinc mineralized quartz-carbonate ± chlorite veins, occasionally yielding bonanza grade gold values.

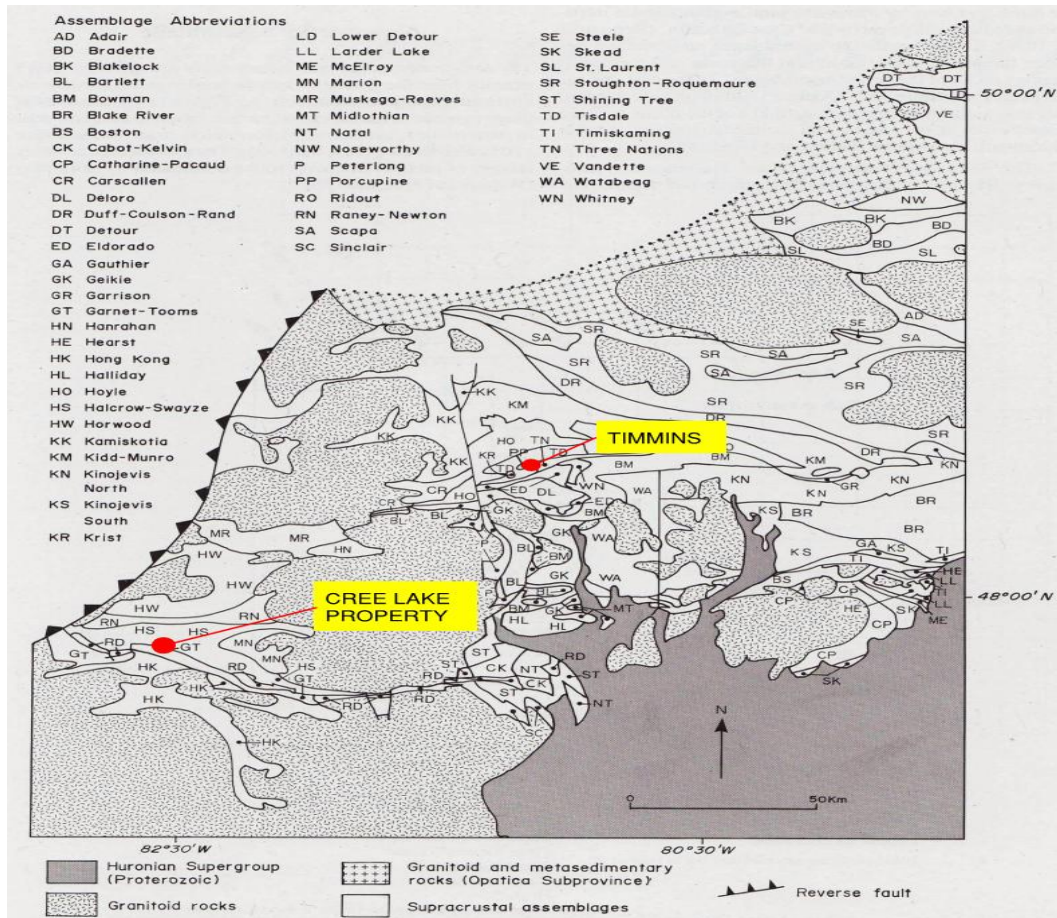


Figure 3: Regional geological setting of the Cree Lake property within the western Abitibi subprovince².

² S.L. Jackson, J.A. Fyon, 1991. The Western Abitibi Subprovince in Ontario; in *Geology of Ontario*, Ontario Geological Survey, Special Volume 4, Part 1, p 417.

8.0 DEPOSIT TYPE

The Flint Rock gold occurrence at the Cree Lake property is of the mesothermal Archean lode gold type associated with shear zones of high strain in greenstone terranes. Gold deposits of this type are exceptionally important as they are credited for the majority of the gold production from the Superior Province in Ontario and account for in excess of 150-million ounces produced.

9.0 MINERALIZATION

The Flint Rock occurrence was subjected to limited exploration and evaluation in the past. The best results obtained from the Flint Rock occurrence resulted from a trenching program conducted by Mantis Explorations Ltd. in 2008. Result from the trenching program yielded gold values as high as 1,300 ppm. During the 2009 drill program drilling, gold values of up to 11.55 ppm were attained, (See Figure 11).

Gold mineralization at the Flint Rock occurrence is associated with 3-15cm wide multi-phase, quartz-carbonate \pm chlorite, ribbon and breccia veins contained within a 4.5-6.0-meter shear zone in andesitic pyroclastics and flows. The veins, considered to be fault-fill veins contain up to 20% disseminated pyrite, up to 1.5% of both chalcopyrite and galena and some displaying associated silicification halos. High gold values are obtained in the presence of galena and chalcopyrite mineralization.



Figure 4: C7 Timberjack skidder in the foreground hauling core boxes, with a D7 Caterpillar dozer in the background.

10.0 EXPLORATION 2009

10.1 DIAMOND DRILLING

The 2009 drilling and sampling program undertaken by Mantis Explorations Inc. involved the drilling of seven drill holes for a total of 952.7m. A C7 Timberjack skidder was used to move the drill and equipment, while a D7 Caterpillar dozer was used to clear a trail and to prepare drill sites. The drilling was performed by Ronkor Diamond Drilling of Sudbury, Ontario utilizing metric NQ drill rods. Acid tests were taken at bottom of each hole, while the dip at the collar was checked by inclinometer. All of the cores were transported by truck to the accommodations at the Watershed Restaurant-Truck Stop, where logging, core cutting and sampling facilities were set up.

Hole collars in the immediate vicinity of the Flint Rock occurrence main trench were referenced to the trench and each other by hip chain and compass. GPS readings of all collar locations were also recorded. The collar for hole CL09-6, located 150-meters north east of the trench, was established by GPS. Hole-7 was tied into hole-6 by compass and hip chain.

The details of the core were recorded in mineralogy and lithology logs. Stereoscopic observations were performed to assist with detailed observations. The entire length of each drill hole was sampled, bagged, recorded and sent for assay to ALS Chemex in Sudbury, ON. The geological field maps were digitized and CAD compiled, overlaying an air photo to produce a final drill plan map.

Upon completion of the program, the retained core was trucked to Noelville, Ontario where it is stored in the service yard of Ronkor Diamond Drilling.

Drill hole	UTM Easting NAD 83	UTM Northing NAD 83	Field Grid Easting	Field Grid Northing	Depth meters	Horizontal Projection meters	Azimuth Degrees	Dip Degrees
CRL09-01	373743	5293069	10150.0	969.4	97.0	71.0	340	45
CRL09-02	373773	5293086	10182.0	975.0	103.0	71.0	340	45
CRL09-03	373818	5293096	10227.4	970.0	102.6	71.0	340	45
CRL09-04	373679	5293038	10080.0	962.5	102.8	72.7	340	45
CRL09-05	373787	5293048	10182.5	935.0	221.0	71.0	340	45
CRL09-06	373877	5293236	10330.0	1081.4	140.8	94.5	160	45
CRL09-07	373870	5293254	10330.0	1101.4	185.5	94.5	160	45

Table 2: Drill hole survey data



Figure 5. Aerial view looking south towards Flint Rock and Mantis occurrences.

11.0 RESULTS

11.1 INTRODUCTION

The Flint Rock occurrence prior to drilling consisted of old blast trenches that were stripped during the 2008 summer trenching program. The stripping effectively exposed them as well as the intervening bedrock revealing a more or less continuous exposure for an entire 100-meter length and averaged 15-meters in width. During the 2009 drill program, five drill holes were drilled along the south side of the trench with a 340° azimuth direction and two drill holes with a 160° azimuth direction were drilled from the north, 150-meters north east of the main trench. These holes were originally planned to be drilled in the same orientation as the as the previous holes, but swampy and very wet ground conditions southeast of the east strike of the main trench mineralizing trend prevented set-up in this area.

Six of the seven holes drilled probed the down dip continuation of the Flint Rock Occurrence, and yielded anomalous gold values. 150-meters north east of the occurrence, a new discovery (the Mantis showing) was made of a zone characterized by a network of mm-cm scale quartz veins interpreted to be an incipient stockworks. Unlike the narrow structure of the Flint Rock Occurrence, the new discovery is a larger zone of gold distribution from which a weighted average of 2.053 ppm gold along a 15.5-meter cored interval was obtained in drill hole-6.

These results have established that a more complex gold system evolved beyond the simple shear-fault structure of the Flint Rock occurrence. The Mantis showing is interpreted to represent the early stage of a gold enriched stockwork environment.



Figure 6: Drill set-up at CL09-06.

11.2 GEOLOGY

The trenched area, upon which the initial drill hole targets were established, was mapped at a scale of 1:500 in 2008. From that mapping program, the bedrock was determined to consist of andesitic flows and weakly bedded tuff trending 080° with a steep southerly dip. At the northern margin of the trenched area 5-meter wide mafic sill conformable to the trend of the volcanics is in contact with the andesitic tuff. The observed south contact dips 65° north. The entire volcanic succession has undergone pervasive chloritization and carbonatization, imparting a buff-green colour to the rocks. More intense carbonatization along with carbonate stockworks occurs in zones of shearing.

Single, multiple, coalescing and bifurcating shear zones trend more or less conformably with the volcanics. Typically, simple linear shears vary in width from 0.3 to 1.0-meter and in areas where they coalesce 4.7-meter widths are attained. The shear zones strike 070° to 080° and dip 70° south.

Within the 'main' shear zone, along which the old workings are concentrated, a multiple quartz-carbonate \pm chlorite vein system with widths of 10 to 15-cm occurs semi-continuously for the entire 100-meter length of the trench. These veins occupy dilational spaces within the shear fabric and where more than one vein is present, a sub-parallel stacking occurs.

The quartz-carbonate \pm chlorite veins of the 'main' shear contain visible mineralization in the form of galena, chalcopyrite and pyrite. Galena and chalcopyrite are sporadically present up to 1% within the veins. Pyrite within the vein averages 3% but can attain concentrations of 20% where it is present in cm-scale, semi-massive form.

High grade gold values are associated with galena mineralization and a strong correlation is evident. Inevitably, the presence of galena is a good indicator of high grade gold and often occurs at levels of 1%, along with 1% chalcopyrite when pyrite reaches over 5% concentration. Zinc and copper values also reflect low, positive correlations to gold values, and although chalcopyrite was often observed, sphalerite was not. The association of gold with this base metal assemblage, coupled with a gold-silver ratio, from samples with 0.1 ppm or greater gold, averaging 0.3775, suggests a low temperature depositional environment distal from a heat source.



Figure 7: Carbonate stockworks and alteration of mafic volcanic, hanging-wall of 'main' shear, east end of trench.

11.3 MINERALIZATION

The 2009 drill program at Cree Lake confirmed the geological setting of the Flint Rock occurrence as mapped by the 2008 trenching program. In general, the core displays many of the same traits as the high grade Flint Rock vein on surface. Deformation structures and veining

occur along flow horizons and lithologic contacts. Some of the mineralized, multi-phase quartz veins and silicification halos contain 3-20% pyrite and 0.5-1.5% chalcopyrite and galena within broader meter-scale zones of late carbonate barren stockworks. Although assay results of the six holes that targeted the down-dip and strike extension of the Flint Rock occurrence yielded only anomalous gold values, hole DDH-6 intersected a new zone, 3-5-meters below its collar elevation, now referred to as the Mantis zone.

The highest gold values attained from drill core were 11.55ppm, 4.3ppm and 4.23ppm in quartz-carbonate vein material from the Mantis zone. The sample with 11.55ppm gold displayed 3 to 5% pyrite, 1% galena and 0.5% chalcopyrite mineralization.

The zone which is characterized by a network of mm-cm scale quartz veins is interpreted to be an incipient stockwork. Unlike the narrow structure of the Flint Rock Occurrence, the new discovery is a larger zone of gold distribution. A weighted average of 2.053 ppm gold along a 15.5-meter cored interval from 5.5m to 21.0m was obtained. The results are highlighted in the table below.

Hole DDH-7 undercut hole DDH-6 by a 20-meter vertical depth and intersected a zone of weaker carbonate-quartz veining from 15.0m to 20.5m that returned a weighted average of 0.821 ppm Au.

11.4 ASSAY RESULTS

The complete drill log tables with mineralization log, lithological log and box meterage are included in Appendix B. Appendix C contains the original EXCEL format assay results as received from the lab, and the relevant assay certificates are contained in the inclusions of the report DVD.

1,052-core samples were collected from the drill program. All of the core was split in half, not exceeding 1-meter sample lengths, respecting lithologies and vein styles. The collected samples were sent to ALS Chemex prep lab in Sudbury.

Results from the drill program undertaken at the Flint Rock occurrence are encouraging. Of the 1,052-samples collected, 185-samples or 17.6% yielded gold values ≥ 0.1 ppm, 39-samples or 3.7% contained gold values in the range ≥ 0.5 ppm < 34 ppm, 22-samples or 2.1% contained values in the range ≥ 1 ppm, 11-samples or 1% contained values ≥ 2 ppm, 8-samples or 0.8% yielded gold values of ≥ 3 ppm and 1-sample or 0.1% returned a value of 11.55 ppm. The remainder of the samples 82.4%, yielded results < 0.1ppm.

From meters	To meters	Drill width	Grade grams/tonne
5.50	21.00	15.5	2.053
INCLUDES			
5.50	9.50	4.0	2.82
12.33	13.30	0.97	3.32
15.30	16.30	1.00	1.17
18.00	20.00	2.0*	7.57
*Includes 19.20	20.00	0.80	11.55

Table 2: Assay sample summary DDH-6

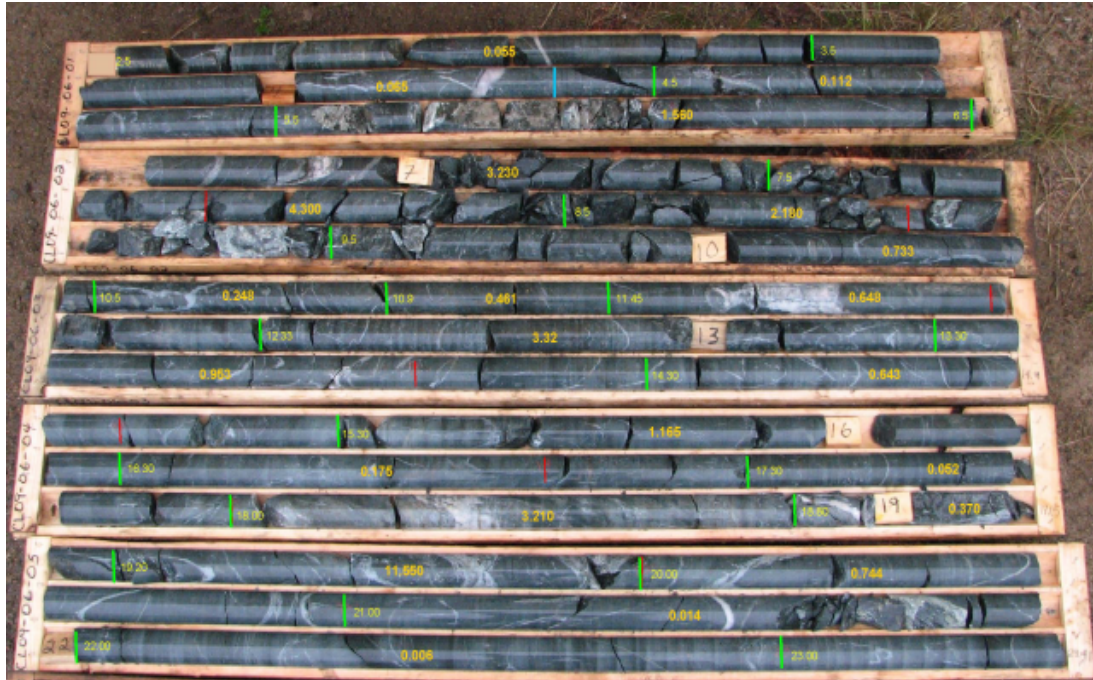


Figure 8: Drill core from CL09-06 from 2.5 – 23.41m. Green lines and yellow writing denote sample intervals and meterage markers for the intervals. Blue lines indicate a change in lithology, while red lines signify whole number meterage marks. The orange values represent Au in ppm for that interval.



Figure 9: Washing core prior to visual and stereoscopic observation.

12.0 SAMPLING METHOD AND APPROACH

Drill core for the 2009 Cree Lake drill program was logged, manually cut and sampled 90-km from the drill site at facilities set up at the Watershed Car & Truck Stop. Coring was accomplished with NQ metric rods, generating 4.7cm width core in 3.0m core tube lengths. All of the core was photographed in the core boxes and digitally archived for each hole. Visual and stereoscopic observations were used and detailed annotations were recorded in lithological, mineralogical, core recovery and box meterage logs, which were recorded in digital form on an Excel spreadsheet in Appendix B. The entire length of each drill hole was sampled in 0.35 – 1.0m lengths, in relation to lithological, alteration, mineralization and veining domains. The core was sawed in half along its length marked by an inscribed cut line and perpendicular at the delineated sample intervals. These intervals were identified by assay ticket sample numbers, and one half of the core was bagged and labeled, while the other half was retained in core trays, labeled appropriately and then each tray was polyethelene stretch wrapped . The bagged samples were transported by Mantis Mineral Corp personnel, maintaining an intact 'chain of custody' and dropped off at ALS Chemex in Sudbury where they were ground to a pulp and sent to the Vancouver, BC lab for assaying (see Appendix C).

13.0 SAMPLE SECURITY, PREPARATION AND ANALYSIS

Chain of custody and sample security was ensured through the delivery of the samples by Mantis employees, to the ALS Laboratory Group in Sudbury, Ontario for preparation.

After the samples arrived at the lab, they were ground down in preparation for the ME-ICP41 and AU-AA23 chemical analyses provided by ALS Laboratory Group. Sample preparation began with crushing of the sample using an oscillating jaw crusher, which reduced at least 70% of the material to <2mm. A riffle splitter was then used to obtain half of the sample, which was put in a ring pulverizer to produce a pulp of 1000g, with 85% of the material <75µm. The smaller samples produced a 250g pulp at that point in the procedure. A 100-150g portion of the pulp was then packaged and transferred to Vancouver, BC for the analytical process, while the remainder of the pulp was retained for storage at the Sudbury site.

The pulp was analyzed for gold using Au-AA23 finish and multiple elements including, Ag, Al, As, B, Ba, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Mg, Mn, Hg, K, La, Mo, Na, Sr, Ni, P, Pb, S, Sb, Sc, Th, Ti, Tl, U, V, W, Zn using ME-ICP41 analysis.

Multi-element analysis was accomplished by acid digestion of a 3 to 5-gram portion of the pulp to produce a sample solution which was then placed into the core of an inductively coupled argon plasma unit and subjected to temperatures of 8000°C. The elements in solution became thermally excited and emitted light characteristic of the wavelength of the element. The actual measurement process was by atomic emission spectroscopy. The spectrometer distinguished the light and a measurement of its intensity was converted to an elemental concentration by comparison to calibrated standards.

Gold analysis consisted of fire assay-atomic absorption procedures on a 30g portion of the pulp for exploration sample analysis. The process involved a fire assay collection, followed by cupellation, dissolution of the precious metal prill and a pre-concentration solvent extraction step. The final determination was by flame AAS in which the solution was drawn through a flame in-conjunction with a directed light beam from a cathode ray lamp containing the element to be

measured. The targeted atoms absorbed the light and went into an excited state causing a reduction in the intensity of the light beam. This effect was measured and correlated with concentrations of the desired species. The technique provided a detection limit of 1 ppb.

The AAS finish attained detection thresholds at 10-ppm gold. Samples >10 ppm were tagged to be re-analyzed by fire assay collection with a gravimetric determination of the gold content. In this process a gold bead was produced which was then weighed on a micro-balance, capable of weighing to the nearest microgram³.

14.0 DATA VERIFICATION

ALS Laboratory Group, Mineral Division ALS Chemex is an accredited laboratory meeting ISO 9001:2000 registration and in addition is accredited ISO 17025 by Standards Council of Canada for fire assay, gold by AA, ICP and gravimetric finish, multi-element ICP, and AA assays for silver, copper lead and zinc.

The lab routinely employs a quality control protocol of control samples including duplicates, reference material and blanks in all sample batches.

In addition to lab standards, CANMET certified gold standards were inserted into the sample stream every 10th sample in the field. Therefore with respect to the assay certificates any sample number divisible by 10 is a field inserted standard.

15.0 OTHER RELEVANT DATA AND INFORMATION

The following abbreviations have been used this report.

Abbreviations

Ag	Silver
Al	Aluminium
AAS	Atomic absorption spectroscopy
As	Arsenic
Au	Gold
Au-AA23	Gold-atomic absorption procedure 23
B	Boron
Ba	Barium
Bi	Bismuth
°C	Degrees celsius
Ca	Calcium
Cd	Cadmium

³ The summary of the analytical techniques was largely derived from the ALS Laboratory Group website and credit is acknowledged for the excellent technical links contained on the site. Detailed information is provided on the website at www.alsglobal.com.

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cm	Centimeter
Co	Cobalt
Cr	Chromium
Cu	Copper
E	East
EM	Electromagnetic
Fe	Iron
Ft	Feet
g	Grams
# Ga	Billion years ago
Ga	Gallium
Hg	Mercury
ISO	International Standards Organization
IP	Induced polarization
K	Potassium
kg	Kilogram
km	Kilometer
La	Lanthanum
m	Meters
ME-ICP41	Multi-element inductively coupled plasma
Mg	Magnesium
mm	Millimeter
Mn	Manganese
Mo	Molybdenum
N	North
Na	Sodium
NAD	North American Datum
Ni	Nickel
No	Number
NTS	National Topographic System
opt	Ounces per short ton
oz	Ounces
P	Phosphorus
Pb	Lead
ppb	Parts per billion

ppm	Parts per million
S	South
S	Sulfur
Sb	Antimony
Sc	Scandium
Th	Thorium
Ti	Titanium
Tl	Thallium
U	Uranium
µm	micrometer/micron
UTM	Universal Transverse Mercator
V	Vanadium
VLF EM	Very low frequency electromagnetic
W	West
W	Tungsten
Zn	Zinc

16.0 CONCLUSIONS

The results of the 2009-drill program are encouraging and warrant follow-up programs. The discovery of the Mantis showing 150-meters northeast of the Flint Rock occurrence is represents a new gold environment of incipient stockworks and unlike the Flint Rock occurrence the gold values are much more consistent over a larger interval in host volcanic rocks. This environment with widespread disseminated pyrite mineralization ranging from 1-3% should lend itself to be traced by IP surveying.

17.0 RECOMMENDATIONS

The results of the 2009-drill program warrant follow-up work as itemized below.

- I. Undertake a trenching program immediate west of holes DDH-6 and 7.
- II. Perform and an IP test of three to five lines between Cree Lake and Cuckoo Lake covering the Flint Rock and Mantis occurrences.
- III. Diamond drill program of 3,000-meters to follow up on the results of the trenching program and IP survey.

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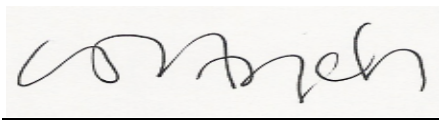
APPENDIX - A

Statements of Qualifications/Signature Pages

STATEMENT of QUALIFICATIONS, DATE and SIGNATURE PAGE

I, Walter Hanych of the town of Collingwood, Province of Ontario, do hereby declare that:

1. I am a geologist and reside at 235 11th Line, Collingwood, Ontario, L9Y 5G6. Telfax 705.445.0184.
2. I graduated from Laurentian University in 1979, with an Honors Degree, Bachelor of Science in Geology.
3. I have been practicing my profession since graduation, and that I am a member in good standing with the Association of Geoscientist of Ontario.
4. I am not aware of any material fact or material change with respect to the subject matter of the Technical Report that is not reflected in the Technical Report, the omission to disclose which would make the Technical Report misleading.
5. I consent to the filing of the Technical Report for assessment purposes through the Ministry of Northern Development and Mines, Mining Lands branch.



Walter Hanych P.Geo

Collingwood, Ontario

March 23, 2010

STATEMENT of QUALIFICATIONS, DATE and SIGNATURE PAGE

I, Sheena Ewanchuk of the city of Collingwood Province of Ontario, do hereby declare that:

1. I am a graduate geologist and reside at 355, Third Street, Collingwood, Ontario, L9Y 1L6. Telephone: 705.441.5510.
2. I graduated from University of Alberta in Edmonton, with an Honors Degree, Bachelor of Science in Geology, in 2006.
3. I am practicing my profession as a contract geologist.
4. I am a member in training with the Association of Professional Engineers, Geologists and Geophysicists of Alberta.
5. I consent to the filing of the Technical Report for assessment purposes through the Ministry of Northern Development and Mines, Mining Lands branch.

Sheena Ewanchuk

Sheena Ewanchuk
Geol.I.T

Collingwood, Ontario

March 23, 2010

APPENDIX - B

Drill Logs

includes

mineral-alteration log, lithology log,

assay sample log, box meterage log

Lithology			Rock	Mineralization Style	Alteration Minerals						V-density		Sulphides %							Total	From	To	Width	Au	Ag	Cu	Mo	Pb	Zn	As	
From	To	Sample No	Code		K	Ch	Se	Si	Cb	Hm	QV	CV	Au	Po	Cp	Ga	Ap	Py	Oth		m	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
84.56	85.50	G0782113	LTFSTWK	cb qz vn, diss, mm mass, str		4	1				8	12						3		3	84.56	85.50	0.9		0.069	0.2	159	<1	3	58	22
85.50	86.50	G0782114	LTFSTWK	diss		4	1				2	30						T		T	85.50	86.50	1.0		0.119	<0.2	353	<1	6	43	33
86.50	87.50	G0782115	LTFSTWK	cb qz vn, diss		4	2	4			3	50						T		T	86.50	87.50	1.0		0.323	0.2	171	<1	<2	35	24
87.50	88.50	G0782116	LTFSTWK	diss		4	2	4			4	50						T		T	87.50	88.50	1.0		0.126	<0.2	91	<1	2	32	30
88.50	89.50	G0782117	LTFSTWK	diss, cb vn		4	2	3			3	50						T		T	88.50	89.50	1.0		0.205	<0.2	186	<1	<2	41	33
89.50	90.50	G0782118	LTFSTWK	diss, cb vn		4	2				2	50						0.5		0.5	89.50	90.50	1.0		0.041	<0.2	216	<1	2	39	37
90.50	91.50	G0782119	LTFSTWK	diss		4	2	1			1	40						1.0		1.0	90.50	91.50	1.0		0.073	<0.2	111	<1	<2	42	31
91.50	92.50	G0782121	LTFSTWK	diss, str, cb qz vn		4	2				6	50						T		T	91.50	92.50	1.0		0.176	<0.2	164	<1	3	57	27
92.50	93.50	G0782122	LTFSTWK	diss, mm mass, cb qz vn		4	2				2	20						0.5		0.5	92.50	93.50	1.0		0.038	<0.2	267	<1	<2	47	25
93.50	94.50	G0782123	LTFSTWK			4	2				2	30									93.50	94.50	1.0		0.035	<0.2	219	<1	<2	38	25
94.50	95.50	G0782124	LTFSTWK	diss		4	2				3	20						T		T	94.50	95.50	1.0		0.031	<0.2	125	<1	<2	40	15
95.50	96.35	G0782125	LTFSTWK	diss		4	2				1	20						T		T	95.50	96.35	0.8		0.019	<0.2	115	<1	<2	52	13
96.35	97.00	G0782126	LTFSTWK	qz vn, cb vn, diss		4	2				4	30						4.0		4.0	96.35	97.00	0.7		0.127	<0.2	213	1	2	57	12
97.00			EOH																												

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-1						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
0.00	2.00	2.00				Overburden Lapilli Tuff-Breccia	Casing
2.00	4.90	2.90					Medium grey green.
							Dominated by intermediate-dacitic and mafic subangular mm fragments.
							Minor cm breccia fragments.
							Moderate to strong chlorite alteration, weak carbonate alteration.
							Mm late carbonate-quartz veining at 5/meter.
							Trace disseminated fine grained pyrite.
4.90	5.52	0.62				Hydrothermal Breccia	Grey-green.
							Strong sericite alteration. Mm to 1/2 cm chaotic quartz carbonate vein array,
							brecciated by late chlorite phase. Overall at high angle to core.
							3-4% disseminated mm pyrite, subhedral to euhedral.
							Trace fine grained disseminated chalcopyrite.
							Yellow-green sericite alteration overprinting chlorite and silicification.
							Moderate to strong chlorite alteration.
							Moderate silicification.
5.52	13.45	7.93				Lapilli Tuff-Breccia	Same as 2.0-4.90 m.
							Moderate pervasive carbonate alteration.
							Intensity of carbonate-quartz veins increasing to 20/m. Mm to 0.5 cm scale.
							Cm to dm dacite fragments with poikilitic texture. Mm stretched mafic fragments.
							Heterolithic, containing mafic and dacite fragments.
							S1 at 50°, stretched mafic fragments.
							Trace -1% disseminated fine grained pyrite in 0.5-1.5 cm quartz-carbonate veins.
			12.10			Fault	2 cm fault at 25° imparting strong fabric with strong sericite and carbonate alteration. Strong mm banding forming mylonite.
13.45	17.00	3.55				Carbonate Alteration Zone	Strong carbonate alteration.
							Moderate hairline-mm sericite veinlets. Dominantly a lapilli tuff with hydrothermal breccia created by chlorite phase. Vein density at 40/meter.
			13.50			Ductile zone	Strong 3 cm ductile deformation. Mm bands of quartz-sericite-chlorite. Chlorite dark green bands resulting in pseudo-mylonitic texture at 30°. No mineralization.
							Contains 1-1.5 cm quartz-carbonate vein at 30°, with 1% fine grained disseminated euhedral pyrite in quartz.
			14.10			Qtz-cab vein	1-1.5 cm quartz-carbonate vein at 30° with 3% fine grained disseminated euhedral pyrite at vein margins as well as 1-2 cm into wall rock.
			14.40	15.00	0.60	Hydrothermal Breccia	Sericitic hydrothermal breccia in 10-20% of host rock at 30°. Strong sericite-carbonate veinlets.
			14.55			Qtz-cab vein	0.5 cm quartz-carbonate vein at 30° with 1.5% fine grained disseminated euhedral pyrite at margins and within. Trace fine grained disseminated chalcopyrite.
			15.50	22.65	7.15	Cab-qtz stockworks	Incipient carbonate-quartz stockworks. Mm veining most at 30° but 1/3 erratic. Dm sections of weak veining. 1% disseminated euhedral pyrite.
			15.64	15.73	0.09	Mylonite	0.5 cm quartz-carbonate-chlorite mylonite banding at 30°. Rare mm disseminated pyrite.

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-1						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
			15.70			Qtz-cab vein	3 mm quartz-carbonate vein at 75° with 10% disseminated fine grained euhedral pyrite.
			15.85			Qtz-cab vein	0.5-1 cm quartz-carbonate vein at 70°, with 8% fine grained disseminated euhedral pyrite.
			15.95	16.25	0.30	Pyrite	3-4% fine grained to massive pyrite, some at 30°.
			16.45			Cab-qtz vein	3 cm of carbonate-quartz veining and breccia at mm scale, Dark grey quartz crystals, trace disseminated pyrite.
			16.25	16.57	0.32	Mylonite	Quartz banding with mm chlorite mylonite at 30°. Trace fine grained disseminated pyrite.
17.00	25.70	8.70				Andesitic Tuff	Medium green, generally massive.
			17.00	17.85	0.85	Mylonite	Mm chlorite mylonite bands and carbonate alteration of host rock. Quartz-carbonate multi-phase veining cross cuts and conforms to banded fabric.
			17.00			Carb-qtz veins	2 cm of mm massive and disseminated pyrite at margins and within mm carbonate-quartz veining.
			18.16	18.27	0.11	Qtz-cab vein	1-2 cm quartz-carbonate vein at 30° with 15% fine grained disseminated and massive pyrite clusters within vein.
			18.40	18.50	0.10	Qtz-cab vein	5 mm quartz-carbonate vein at 30°, with 0.5% fine grained disseminated pyrite.
			18.70	18.80	0.10	Qtz-cab vein	5 mm quartz-carbonate vein at 30°, with 1% fine grained disseminated pyrite at margins.
			18.85	19.45	0.60	Pyrite	2% disseminated fine to medium grained euhedral pyrite.
							Mm carbonate-quartz veins, 10/meter, with 1-4% disseminated fine grained subhedral to euhedral pyrite, at 30-50°.
			19.50	19.80	0.30	Shear	Strong shearing at 20°. Quartz-carbonate banding, sericite-chlorite forming mm mylonite bands with 2-3% mm disseminated and clustered subhedral pyrite.
			19.95	20.25	0.30	Vein breccia	1 cm multi-branching vein breccia at 30°. Trace mm disseminated pyrite in volcanic breccia. 1x1 cm massive pyrite patch within 1 cm of margin. Fragments are mm-1/2 cm, subangular, heterolithic. The majority are lapillit tuff host rock. Few fragments of quartz-carbonate veining appear broken and fractured.
			20.32	20.50	0.18	Fractures	Moderately fractured.
			20.30	21.30	1.00	Qtz-cab-chl veins	5% mm-cm disseminated, massive and stringer pyrite in mm quartz-carbonate-chlorite veins at 50-70°, in chaotic arrangement. Quartz-carbonate veins increasing to 50/meter.
			20.88	21.03	0.15	Qtz-cab vein	0.5-1 cm quartz-carbonate vein at 25°. Quartz-carbonate banding, sericite-chlorite mylonite banding. 20% mm vein breccia, mm massive and disseminated euhedral pyrite in vein.
			21.00			Pyrite	3x3 cm massive euhedral pyrite with several mm massive pyrite clumps.
			21.20	21.40	0.20	Cab-qtz veins	4x4 cm of several mm massive pyrite clumps within carbonate-quartz veining.
			21.37	21.74	0.37	Hydrothermal breccia	1-3 cm multi-branching hydrothermal breccia. Brecciated fragments have sericite overprinting. Trace disseminated pyrite. Vein has irregular rounded edges. 3-4% disseminated and stringer pyrite at margins of vein. Strong chlorite at vein edges.
			22.60	43.00	20.40	Cab stockworks	Late carbonate vein stockworks, 20-60 veins/meter. Mm scale veins, rare cm-scale veins. Chaotic orientations with 1/3 at 30°. The late carbonate veins are

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-1						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
							rarely mineralized. Moderate pervasive carbonate and chlorite alteration. Dm sections with weak carbonate veining.
			22.71	22.78	0.07	Cab-qtz vein	3 cm carbonate-quartz vein with mm-0.5 cm brecciated quartz fragments. Rare disseminated pyrite in vein. 0.5% disseminated pyrite at margins.
			23.04	23.59	0.55	Cab-qtz vein	3-5 mm carbonate-quartz veins at 30-40°. Strong shearing associated with veins, conformable to overall foliation. Chlorite and sericite banding. Trace to 1% disseminated pyrite, most at margins of veins forming 1 cm halo.
			23.53	23.64	0.11	Pyrite and cab veins	Mm to cm massive pyrite, 1/3 associated with randomly oriented carbonate veins. Next to carbonate veining shearing at 30°.
			24.30	24.50	0.20	Cab-chl-qtz veins	Multi-branching mm carbonate-chlorite-quartz veins, generally at 50°. Rare mm vugs. 5% disseminated to massive fine grained pyrite associated with the veins.
25.70	26.95	1.25				Lapilli Tuff	Lapilli tuff containing few volcanic breccia fragments. Lapilli are generally mm subangular mafic fragments. Strong cm carbonate veins with heavy pyrite. Rare 0.5 cm chlorite veins. Trace disseminated euhedral pyrite through unit.
			26.00			Qtz-cab vein	1.5 cm quartz-carbonate vein, barren, 80°.
			26.17	26.24	0.07	Cab veins	Mm multi-branching carbonate veins in 1-2 cm sections at 70°. Intense euhedral disseminated pyrite mineralization associated with 10-15% of the veins.
			26.26	26.38	0.12	Cab-qtz vein breccia	2 cm carbonate-quartz vein breccia at 30°. Host rock brecciated into cm sub-angular fragments. 0.5% disseminated pyrite.
							1 cm quartz-carbonate vein at 75°, with 4% disseminated and clustered fine grained pyrite. Mm chlorite banding.
			26.61	26.77	0.16	Cab vein	1 cm carbonate vein at 30°. Multi-branching mm chlorite bands. 0.5% disseminated pyrite in vein.
26.95	46.60	19.65				Andesitic Tuff	Moderate to strong chlorite. Weak to moderate carbonate alteration.
							Mm carbonate veins in chaotic array, the majority with overall general orientation at 50-70°, 30-50/meter.
							Trace disseminated pyrite.
			26.95	27.65	0.70	Cab veins	increase in mm-1/2 cm randomly oriented carbonate veining. 3% mm clustered, disseminated and stringer pyrite in veins and host rock.
			27.68			Cab-qtz vein	1 cm carbonate -quartz vein with trace pyrite, 80°.
			28.26	28.40	0.14	Cab-qtz vein	1 cm barren carbonate-quartz vein, 30°.
			28.65	28.76	0.11	Qtz-cab-chl vein	0.5-1 cm quartz-carbonate-chlorite vein, 5% disseminated euhedral pyrite, 25°.
							Mm carbonate crackle breccia and associated sericite alteration. Cm sections of 2% disseminated euhedral pyrite.
			29.08	29.50	0.42	Cab-qtz veins	Six 0.5 cm carbonate ± quartz veins with trace disseminated pyrite, 70-80°.
			29.70	29.81	0.11	Cab-qtz vein	0.5-1 cm multi-branching quartz-carbonate vein with 15% brecciated mm massive pyrite in vein, 30°.
							Brecciated 0.5 cm quartz fragments in carbonate matrix.
			29.86	30.00	0.14	Qtz-cab vein	5 cm quartz vein brecciated by mm carbonate veins. 0.5 cm quartz-carbonate vein with trace pyrite, 30°.
			30.25			Qtz-cab vein	0.5 cm quartz-carbonate vein, multi-branching with trace pyrite, 80°.

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-1						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
			30.45	30.63	0.18	Shear	Shearing at 40°, mm carbonate-sericite-chlorite veins with trace pyrite.
			30.87	31.06	0.19	Cab-qtz vein	4 cm carbonate-quartz vein with 0.5% disseminated euhedral pyrite. Strong shearing and chlorite banding at 30°.
							1.5 cm pink, barren carbonate vein.
			31.97			Cab-chl vein	0.5 cm carbonate-chlorite vein with trace pyrite, 40°.
			32.12			Cab vein	0.5 cm carbonate vein with trace pyrite, 40°.
			32.22	32.31	0.09	Cab-qtz-chl vein	1 cm carbonate-quartz-chlorite vein, trace pyrite, 40°.
			32.62	32.85	0.23	Cab-chl-qtz vein	1 cm carbonate-chlorite-quartz vein, trace pyrite, 20°.
			32.85	32.88	0.03	Cab vein	0.5 cm barren carbonate vein, 60°.
			26.30	50.92	24.62	Incipient cab stockworks	Mm incipient carbonate stockworks in dm sections, generally at random angles with 25% at 30-50°. Trace disseminated pyrite.
			29.37	31.40	2.03	Cab stockworks	Strong stockworks, 50-70/ meter.
			32.64	34.40	1.76	Cab stockworks	Strong stockworks, 50-70/ meter. Trace to 1% disseminated pyrite.
			34.40	35.82	1.42	Cab veins	0.5 cm carbonate veins, trace disseminated pyrite, 7/meter, 50-70°.
			35.82	36.00	0.18	Ser-chl alteration	Sericite-chlorite alteration associated with carbonate veining.
			37.06	37.20	0.14	Cab veins	3-4 mm carbonate veins with 1% disseminated pyrite, 50-70°.
			37.32	37.51	0.19	Cab-chl veins	Several mm carbonate-chlorite veins with trace disseminated pyrite, 40-50°.
							Strong shearing and chlorite banding.
			38.08	38.18	0.10	Cab-hem-chl veins	Several mm carbonate-hematite-chlorite veins, trace pyrite, 40-50°.
			38.65			Qtz-cab veins	Two 3 cm quartz-carbonate veins, barren, 60°.
			40.69	40.90	0.21	Cab vein	3 cm multi-branching carbonate vein, trace disseminated pyrite, 40°.
			40.90	42.56	1.66	Cab veins + pyrite	0.5-1% disseminated coarse grained euhedral pyrite rarely associated with mm carbonate veins at 60°.
			42.56	42.90	0.34	Qtz-cab-chl veins	Four 1 cm quartz-carbonate veins with associated shearing, chlorite banding, and sericite-chlorite alteration. Veins brecciate host rock. 5% disseminated and mm clusters of pyrite in carbonate veins. Minor crystal quartz. All at 50-70°.
			43.10	43.30	0.20	Qtz-cab veins	4-5 cm quartz-carbonate vein parallel to core axis. 2% disseminated and mm clustered pyrite. Vein brecciates host rock.
			44.28	44.64	0.36	Shear	Shear zone with several mm-cm carbonate±quartz±hematite veins and chlorite veins, 60°. Weak sericite alteration associated with shearing. 1% disseminated and cm clusters of fine grained euhedral pyrite.
			45.19	45.32	0.13	Cab-chl veins	0.5-1 cm carbonate-chlorite veining with trace disseminated pyrite, 20°.
46.60	52.60	6.00				Lapilli Tuff	Andesitic matrix with 25% sub-mm to mm mafic fragments. Dm sections of unit where lapilli are 40%.
			46.60			Qtz vein breccia	Sharp contact at 50° with 2 cm micro brecciated quartz vein containig 10% mm anhedral-euhedral disseminated and clustered pyrite. Overall weak pervasive sericitization.
			50.10	50.35	0.25	Ser alteration	Moderate sericite associated with chlorite hydrothermal incipient breccia. 1% disseminated fine grained pyrite.
			50.75			Qtz-cab-chl veins	15 cm section where three 1-3 cm subparallel quartz-carbonate-chlorite veins exhibit strong ductile fabric and incipient brecciation by late chlorite phase. Weak-moderate sericite alteration. 3% fine grained pyrite. Oriented at 70°.
			51.30	51.96	0.66	Shear	Weak shear associated with chlorite hydrothermal breccia. Weak mm-1/2 cm

LITHOLOGY LOG



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Diamond Drill Hole ID: CL09-1						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
52.60	53.56	0.96				Andesitic Tuff	quartz-carbonate veins. Trace-1% very fine grained disseminated pyrite. Predominantly massive tuff with minor mm high angle, barren carbonate veins. Upper contact is characterized by 30 cm of chlorite hydrothermal breccia. Trace-1% fine grained disseminated pyrite.
53.56	57.75	4.19				Volcanic Breccia	Sharp gradational change marked by presence of cm-dm volcanic breccia fragments with an andesitic matrix hosting mm mafic lapilli.
			55.16			Qtz vein breccia	4 cm high angle quartz micro-breccia. Sub-mm quartz fragments brecciated by late carbonate phase.
			55.54			Hydrothermal breccia	10 cm incipient chlorite hydrothermal breccia with weak sericitization and minor carbonate-quartz.
55.75	59.60	3.85				Shear Zone	Strong S1 at 55°, affecting volcanic breccia. No significant veins or mineralization.
59.60	60.56	0.96				Volcanic Breccia	Weak S1, no significant veining or mineralization.
60.56	63.67	3.11				Shear Zone	Strong S1 at 55°. Cm sections of strong sericite banding. Strong chlorite hydrothermal phase forming incipient breccia along cm sections. High frequency of mm-cm carbonate-quartz veins usually sub-parallel to S1, but sometimes in chaotic array. These veins generally lack any significant sulphides.
63.67	64.32	0.65				Andesitic Tuff	Pale green, fine grained. Weak chlorite hydrothermal veins in sub-parallel orientation at 60°. Late high angle carbonate-quartz veins. No significant mineralization.
64.32	70.80	6.48				Lapilli Tuff-Breccia	Cm-dm andesitic lapilli in lapilli tuff matrix. Moderate pervasive chloritization. Late mm-1 cm barren carbonate-quartz stockworks, 50/meter.
			67.53	67.80	0.27	Qtz-cab veins	Mm- 1 cm chaotic quartz-carbonate veins in multi-branching array. 10% disseminated fine grained pyrite in veins and wall rock. Weak pervasive silicification and sericitization.
			68.90	69.30	0.40	Qtz-cab veins	Mm quartz-carbonate veining with 3% disseminated pyrite, generally at high angle but also random.
70.80	84.56	13.76				Andesitic Lapilli Tuff	Lapilli tuff exhibiting weak veining by late mm-cm carbonate-quartz veins. Weak pervasive carbonatization. No significant mineralization.
84.56	97.00	12.44				Lapilli Tuff-Carbonate Stockworks	Lapilli tuff with random chaotic array of hairline to cm carbonate-quartz veinlets at 100/meter. System in un-mineralized.
			85.00			Cab-qtz-ser vein	20cm section with one 4 cm carbonate-quartz-sericite vein multi-branching into mm chaotic array. 3% disseminated fine grained anhedral-euhedral pyrite.
			91.50	91.80	0.30	Cab-qtz veins	Three high angle 0.5-1 cm carbonate-quartz veins, trace fine grained pyrite.
			92.05			Cab-qtz vein	2 cm high angle, barren, carbonate-quartz vein.
			93.10			Cab-qtz vein	0.5 cm crystal carbonate-quartz vein at high angle, trace chalcopyrite.
			96.50			Cab-qtz veins	20 cm section with one 1 cm and one 4 cm high angle carbonate-quartz vein forming incipient breccia, 5% disseminated pyrite.
			97.95			Cab-qtz veins	1.5 cm crystal carbonate-quartz vein.
97.00						EOH	End of hole

Meterage Intervals of NQ Core per Box							
CL09-1	Meterage						
Box #	From	To	Length				
1	2.00	5.52	3.52				
2	5.52	9.58	4.06				
3	9.58	13.70	4.12				
4	13.70	17.85	4.15				
5	17.85	22.12	4.27				
6	22.12	26.11	3.99				
7	26.11	30.45	4.34				
8	30.45	34.70	4.25				
9	34.70	38.62	3.92				
10	38.62	42.62	4.00				
11	42.62	47.00	4.38				
12	47.00	50.92	3.92				
13	50.92	55.00	4.08				
14	55.00	59.04	4.04				
15	59.04	63.13	4.09				
16	63.13	67.53	4.40				
17	67.53	71.70	4.17				
18	71.70	76.03	4.33				
19	76.03	80.20	4.17				
20	80.20	84.35	4.15				
21	84.35	88.80	4.45				
22	88.80	93.77	4.97				
23	93.77	97.00	3.23				

Mineral - Alteration Log															ALTERATION LEGEND			MINERAL LEGEND				MIN STYLE									
Mantis Mineral Corp.			UTM NAD 83		Drilled by: RONKOR		Dip Tests		LITHOLOGY LEGEND						K	Potassic	Au	Gold	1	weak											
Hole Id	CL09-2	Easting	373773	Diamond Drilling	m	Angl	CODE	UNIT	CODE	UNIT	CODE	UNIT	Ch	Chloritic	Po	Pyrrhotite	3	moderate													
Started	July 10, 2009	Northing	5293086	Logged by	S. Ewanchuk	EOH	45	OV	Overburden	FP	Feldspar Porphyry	Se	Sericitic	Cp	Chalcopyrite	5	strong														
Finished	July 10, 2009	Mine Grid		by	W. Hanych			LTF	Lapilli Tuff	AND	Andesite	Si	Silicic	Ga	Galena	vn	vein														
Claim No.	4203295	Easting	10182.0	Elevation				CBZN	Carbonate Zone	CBX	Crackle Breccia	Cb	Carbonate	Ap	Arsenopyrite	diss	disseminated														
Township:	Swayze	Northing	975.0	Recovery	99%			TF	Tuff	FLT	Fault	Hm	Hematitic	Py	Pyrite	stkwk	stockwork														
Size	NQ	47mm	Azimuth	340	Core storage site: RONKOR,			VBX	Volcanic Breccia	BX	Breccia	QV	Quartz veins	T	Trace	mass	massive														
Units	Metric	Dip collar	-45	Casing removed: yes				SHR	Shear			CV	Carbonate veins	X	Present	str	stringer														
												METERAGE			SELECT ASSAYS FROM ASSAY LOG																
Lithology			Rock	Mineralization Style	Alteration Minerals					V-density		Sulphides %						From	To	Width	Au	Ag	Cu	Mo	Pb	Zn	As				
From	To	Sample No	Code		K	Ch	Se	Si	Cb	Hm	QV	CV	Au	Po	Cp	Ga	Ap	Py	Oth	Total	m	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
0.00	2.00		OV																												
2.00	2.40	G0782127	TF	diss, mm mass, cb vn		4			2		2	15						3.5		3.5	2.00	2.40	0.40	0.194	0.2	520	19	2	51	4	
2.40	3.30	G0782128	TF	mm mass, diss, qz vn		4					1	3						0.5		0.5	2.40	3.30	0.90	0.104	0.2	682	1	2	50	4	
3.30	4.30	G0782129	TF	diss, mm mass		4					3	5			T			1.0		1.0	3.30	4.30	1.00	0.290	<0.2	401	3	2	56	3	
4.30	5.20	G0782131	LTF	diss, cb qz vn		4					3	6						1.5		1.5	4.30	5.20	0.90	0.011	0.2	59	<1	<2	26	7	
5.20	6.03	G0782132	LTF	diss, mm mass		4						6						1.0		1.0	5.20	6.03	0.83	0.031	<0.2	19	<1	<2	30	19	
6.03	6.75	G0782133	TF	diss, mm mass		4					3	4						1.0		1.0	6.03	6.75	0.72	0.038	0.2	51	<1	2	30	22	
6.75	7.40	G0782134	TF	diss		4					1	15						0.5		0.5	6.75	7.40	0.65	0.054	<0.2	228	<1	<2	75	5	
7.40	8.20	G0782135	FP	diss, mm mass		4						5						1.0		1.0	7.40	8.20	0.80	0.335	<0.2	46	<1	3	28	18	
8.20	9.05	G0782136	FP	diss		4						25						1.0		1.0	8.20	9.05	0.85	0.005	<0.2	17	<1	<2	26	6	
9.05	9.85	G0782137	TF	diss, mm mass, cb vn		4					1	30						1.0		1.0	9.05	9.85	0.80	0.062	0.3	346	<1	3	64	2	
9.85	10.70	G0782138	TF	diss		4						4						T		T	9.85	10.70	0.85	0.131	0.2	614	<1	5	72	4	
10.70	11.40	G0782139	LTF	cb vn, diss		4					2	4						T		T	10.70	11.40	0.70	<0.005	<0.2	39	<1	2	49	3	
11.40	12.16	G0782141	LTF	diss		4												T		T	11.40	12.16	0.76	<0.005	<0.2	75	<1	3	50	4	
12.16	12.84	G0782142	TF			4						2									12.16	12.84	0.68	0.047	<0.2	232	<1	2	63	3	
12.84	13.56	G0782143	TF			4						2									12.84	13.56	0.72	0.059	<0.2	276	1	2	49	3	
13.56	14.50	G0782144	LTF			4						3									13.56	14.50	0.94	0.045	<0.2	167	1	<2	33	2	
14.50	15.50	G0782145	LTF	diss, qz vn		4					1	3						0.5		0.5	14.50	15.50	1.00	0.025	<0.2	5	<1	<2	25	2	
15.50	16.35	G0782146	LTF			4						3									15.50	16.35	0.85	0.017	<0.2	64	<1	<2	23	3	
16.35	17.30	G0782147	TF	diss, mm mass, cb vn		4					2	8						0.5		0.5	16.35	17.30	0.95	0.085	<0.2	211	1	2	39	2	
17.30	18.30	G0782148	TF	diss		4						6						T		T	17.30	18.30	1.00	0.059	0.3	187	<1	6	47	4	
18.30	19.30	G0782149	TF	diss, mm mass, cb qz vn		4					2	10			T			1.5		1.5	18.30	19.30	1.00	0.054	0.4	330	<1	7	42	2	
19.30	19.90	G0782151	TF	diss		4					2	8						T		T	19.30	19.90	0.60	0.025	0.3	42	<1	8	45	4	
19.90	20.90	G0782152	LTF	cb qz vn, diss, mm mass		4	3				8	10						4.0		4.0	19.90	20.90	1.00	0.028	0.3	57	<1	4	22	4	
20.90	21.80	G0782153	LTF	cb qz vn, shr, diss, mm mass		4	2				5	12						2.0		2.0	20.90	21.80	0.90	0.015	0.3	81	<1	4	21	6	
21.80	22.80	G0782154	TF	cb vn, diss, mm mass		4						15						1.0		1.0	21.80	22.80	1.00	0.058	0.2	50	<1	3	25	5	
22.80	23.80	G0782155	TF	diss		4					2	4						T		T	22.80	23.80	1.00	<0.005	0.2	7	<1	3	34	<2	
23.80	24.80	G0782156	TF	diss, cb qz vn		4					1	3						0.5		0.5	23.80	24.80	1.00	0.171	0.2	27	<1	3	30	3	
24.80	25.80	G0782157	TF	diss		4						3						0.5		0.5	24.80	25.80	1.00	0.243	0.2	13	<1	4	36	4	
25.80	26.53	G0782158	TF	diss		4						4						T		T	25.80	26.53	0.73	0.017	<0.2	1	<1	5	35	3	
26.53	27.60	G0782159	LTF	diss, cb vn		4						6						0.5		0.5	26.53	27.60	1.07	0.091	0.2	23	<1	3	24	4	
27.60	28.00	G0782161	TF	qz cb vn		4					2	3						0.5		0.5	27.60	28.00	0.40	0.26	0.2	6	<1	3	14	12	
28.00	29.00	G0782162	TF	cb vn, diss		4						5						0.5		0.5	28.00	29.00	1.00	0.175	0.2	9	<1	2	17	6	
29.00	30.00	G0782163	TF	diss		4	1					3						T		T	29.00	30.00	1.00	0.029	0.2	93	<1	2	16	8	
30.00	30.95	G0782164	TF	diss, mm mass, cb vn		4						3						2.0		2.0	30.00	30.95	0.95	0.038	0.5	359	<1	10	35	14	
30.95	31.50	G0782165	FP	diss		4						1						1.0		1.0	30.95	31.50	0.55	0.018	0.4	159	<1	20	27	10	
31.50	32.50	G0782166	FP	diss, str, qz vn		4					1	2						0.5		0.5	31.50	32.50	1.00	0.041	0.2	152	<1	3	27	7	
32.50	33.50	G0782167	FP	diss		4						2						0.5		0.5	32.50	33.50	1.00	0.039	0.2	154	<1	3	30	5	
33.50	34.59	G0782168	FP	diss		4						1						0.5		0.5	33.50	34.59	1.09	0.034	0.3	189	<1	3	25	3	
34.59	34.84	G0782169	TF	diss, str, cb qz vn		4					1	3						1.5		1.5	34.59	34.84	0.25	0.158	1.1	963	<1	8	46	2	
34.84	35.50	G0782171	FP	cb vn, diss		4						5						0.5		0.5	34.84	35.50	0.66	0.388	0.3	103	<1	6	27	6	
35.50	36.10	G0782172	TF	diss		4												0.5		0.5	35.50	36.10	0.60	0.061	0.4	268	<1	7	52	5	
36.10	37.10	G0782173	LTF	cb vn, diss		4						4						1.0		1.0	36.10	37.10	1.00	0.134	0.3	24	<1	7	34	8	

Lithology			Rock	Mineralization Style	Alteration Minerals						V-density		Sulphides %							Total	From	To	Width	Au	Ag	Cu	Mo	Pb	Zn	As		
From	To	Sample No	Code		K	Ch	Se	Si	Cb	Hm	QV	CV	Au	Po	Cp	Ga	Ap	Py	Oth		m	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
82.30	83.00	G0782232	AND	diss, cb vn, mm mass		4	3					15						0.5		0.5	82.30	83.00	0.70		0.066	0.3	195	<1	<2	29	13	
83.00	83.73	G0782233	AND	diss		4	3					12						0.5		0.5	83.00	83.73	0.73		0.023	0.2	146	<1	<2	33	9	
83.73	84.00	G0782234	QV/AND	diss, qz cb vn		4	2				8	4						5.0		5.0	83.73	84.00	0.27		0.232	0.3	121	7	<2	44	11	
84.00	85.00	G0782235	AND	qz vn		4	3				1	15			T						84.00	85.00	1.00		0.02	0.2	142	1	<2	31	20	
85.00	86.00	G0782236	AND	diss, mm mass, cb vn		4	2				1	5						2.5		2.5	85.00	86.00	1.00		0.03	0.3	257	<1	<2	28	22	
86.00	87.00	G0782237	AND	diss, mm mass, cb vn		4	2				4	12						1.0		1.0	86.00	87.00	1.00		0.053	0.3	345	1	<2	39	18	
87.00	88.00	G0782238	AND	diss, mm mass		4	2				2	8			T			T		T	87.00	88.00	1.00		0.027	0.2	359	<1	<2	23	23	
88.00	89.00	G0782239	AND	qz vn		4	2				4	10			T						88.00	89.00	1.00		0.025	0.2	119	<1	<2	33	28	
89.00	90.00	G0782241	AND	diss, cb vn		4	2				3	6						0.5		0.5	89.00	90.00	1.00		0.016	<0.2	120	<1	2	30	19	
90.00	91.00	G0782242	AND	qz vn, diss		4	1				3	10						0.5		0.5	90.00	91.00	1.00		0.01	0.3	98	<1	2	29	21	
91.00	91.63	G0782243	AND	diss		4	X					15						T		T	91.00	91.63	0.63		0.067	0.2	200	<1	<2	31	26	
91.63	92.30	G0782244	AND	cb qz vn, diss, mm mass		4	1				2	50						1.5		1.5	91.63	92.30	0.67		0.083	0.2	162	1	<2	40	25	
92.30	93.30	G0782245	LTF	cb vn, qz vn, diss		4			1		2	10						4.0		4.0	92.30	93.30	1.00		0.098	0.5	278	5	<2	46	15	
93.30	94.22	G0782246	LTF	cb qz vn, diss		4	1		2		3	6						1.5		1.5	93.30	94.22	0.92		0.025	<0.2	175	<1	<2	37	29	
94.22	95.05	G0782247	LTF	diss, mm mass, cb qz vn		4			2		5	7			T			2.5		2.5	94.22	95.05	0.83		0.074	0.2	415	<1	<2	42	21	
95.05	95.80	G0782248	TF	diss, mm mass, cb vn		4					4	30						2.5		2.5	95.05	95.80	0.75		0.098	0.3	256	<1	<2	38	28	
95.80	96.80	G0782249	TF	diss, mm mass		4	X				2	25						1.0		1.0	95.80	96.80	1.00		0.13	0.4	493	1	<2	30	36	
96.80	97.80	G0782251	TF	diss, cb vn, mm mass		4	X				1	35						1.0		1.0	96.80	97.80	1.00		0.064	0.5	238	<1	<2	29	38	
97.80	98.10	G0782252	FLT BX	diss, mm mass		3					6	1						1.0		1.0	97.80	98.10	0.30		0.067	0.3	331	1	3	39	31	
98.10	99.10	G0782253	TF	mm mass, cb vn, diss		4	X				2	25			T			4.0		4.0	98.10	99.10	1.00		0.866	0.7	634	1	3	39	43	
99.10	100.10	G0782254	TF	diss, mm mass, cb vn		4	X				3	30						2.5		2.5	99.10	100.10	1.00		0.257	0.6	759	1	2	29	32	
100.10	101.10	G0782255	TF	diss, mm mass, qz vn		4	X				3	50			T			1.5		1.5	100.10	101.10	1.00		0.035	0.4	314	1	9	29	39	
101.10	102.00	G0782256	TF	diss, mm mass		4					1	25						1.0		1.0	101.10	102.00	0.90		0.152	0.3	156	1	9	46	33	
102.00	103.00	G0782257	TF	diss, mm mass, cb vn		4					2	10						1.0		1.0	102.00	103.00	1.00		0.18	0.4	455	4	19	48	30	
103.0			EOH																													

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-2						Major Lithology (bold) Minor feature (regular)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
0.00	2.00	2.00				Overburden	Casing.
2.00	4.30	2.30				Andesitic Tuff	Medium green, fine grained massive. Weak mm carbonate-quartz veinlets, randomly oriented, 40/meter. No significant mineralization.
4.30	6.05	1.75				Welded Tuff	Mm mafic and felsic fragments set in very fine grained matrix. Light grey-green. Sharp high angle upper and lower contact. Weak mm randomly oriented carbonate-quartz veins, 30/meter. Few containing trace disseminated pyrite.
6.05	7.40	1.35				Andesitic Tuff	Massive, fine grained. No significant veining or mineralization.
7.40	9.05	1.65				Welded Tuff-Crystal Tuff	Pale green. Mm mafic, felsic fragments and feldspar crystals in fine grained tuffaceous matrix. Moderate sericitization by hairline veinlets forming crackle breccia. Trace pyrite throughout.
9.05	10.70	1.65				Andesitic Tuff	Medium green, massive. Moderately chloritized. No significant veins or mineralization.
10.70	12.16	1.46				Mafic Crystal Tuff	Dark green, masive, 20% sub-mm feldspar crystals, some broken, set in fine grained tuffaceous mafic matrix. No significant veining. Trace disseminated pyrite.
12.16	13.56	1.40				Andesitic Tuff	Same as previous. Medium green, massive. No significant veining or mineralization.
13.56	16.35	2.79				Feldspar Porphyry	Medium green, moderately chloritized. 20% anhedral-euhedral mm feldspar phenocrysts set in fine grained siliceous marix. Sharp irregular upper and lower contacts.
16.35	26.55	10.20				Andesitic Tuff	Medium green, massive. No significant veining or mineralization.
26.55	34.60	8.05				Feldspar Porphyry	Massive, 30% mm feldspar phenocrysts. Intense pervasive chloritization, affecting matrix and phenocrysts. No significant veining or mineralization. Sharp upper and lower contacts at 55°.
34.60	34.84	0.24				Andesitic Tuff	Massive, no significant veining or mineralization.
34.84	35.50	0.66				Feldspar Porphyry	Medium green, massive. 30% mm anhedral-euhedral feldspar phenocrysts. Trace disseminated pyrite. Upper contact at 90°, lower contact irregular but generally at low angle.
35.50	36.10	0.60				Andesitic Tuff	Same as previous. Medium green, massive. No significant veins or mineralization.
36.10	37.00	0.90				Feldspar Porphyry	Same as above.
37.00	40.00	3.00				Lapilli Tuff	Mm mafic and felsic fragments set in tuffaceous matrix. Massive, with no significant veining or mineralization.
40.00	46.30	6.30				Andesitic Tuff	Medium green. Late hairline-1 cm carbonate-quartz veinlets in random orientation forming incipient stockworks 30/meter. No significant mineralization.
46.30	48.39	2.09				Feldspar Porphyry	Typical, generally massive. No significant veins or mineralization.
48.39	49.52	1.13				Andesitic Lapilli Tuff	Mm mafic and felsic fragments. Massive.
49.52	51.20	1.68				Feldspar Porphyry	Typical. Upper contact at 30°. Lower contact at 20°. Both sharp. Late mm carbonate-quartz veins forming incipient stockworks.

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-2						Major Lithology (bold) Minor feature (regular)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
51.20	54.43	3.23				Andesitic Lapilli Tuff	Intense chloritization, moderate sericitization from hairline veinlets, which form incipient crackle breccia. No significant veins or mineralization.
54.43	60.90	6.47				Andesitic Tuff	Medium green, fine grained, massive. Late mm carbonate veins forming an incipient breccia. No other significant veins or mineralization.
60.90	61.60	0.70				Andesitic Lapilli Tuff	Sharp upper contact at 80°. Massive, light green-grey. Graded, top up-hole. No significant veining or mineralization.
61.60	62.28	0.68				Fault Zone	Strong ductile fabric, variable from 65° to 80°. Mm alternating laminations of quartz, dark chlorite and carbonate-sericite resulting in strong banded texture in 10 cm sections with intense pervasive sericite alteration and 7% disseminated anhedral-euhedral pyrite. Lower 8 cm contains incipient quartz veins parallel to fabric, 7% disseminated fine grained pyrite.
62.28	65.70	3.42				Lapilli Tuff-Volcanic Breccia	Medium green. Dominantly lapilli tuff with minor cm breccia fragments. 20% mm mafic fragments in fine grained lighter green tuffaceous matrix. No significant veins or mineralization.
65.70	66.00	0.30				Quartz Vein	4 cm banded quartz-carbonate-chlorite vein-ductile deformation. Mm laminations of dark chlorite associated with quartz-carbonate material. Pervasive sericitization associated with vein especially on up-hole side. Fabric at 20°. 1% fine grained disseminated subhedral to euhedral pyrite.
66.00	68.00	2.00				Andesitic Lapilli Tuff	Predominantly massive. Weak pervasive carbonatization. Cm sections of weak sericite alteration. No significant veins or mineralization.
68.00	69.36	1.36				Feldspar Porphyry	Sharp upper contact at 20°. Sharp lower contact at 50°. Intense chloritization. 20% mm feldspar phenocrysts. No significant veins or mineralization.
69.36	77.30	7.94				Andesite	Medium green, fine grained. Hairline to cm randomly oriented carbonate-quartz veins forming late incipient stockworks.
			70.00			Cab-qtz vein	1 cm carbonate-quartz vein with 25% anhedral medium grained pyrite, 70°.
			70.70	71.10	0.40	Pyrite	Interflow pyrite concentrations forming mm bands and irregular masses.
			73.30			Qtz vein breccia	Incipient quartz vein breccia over a 3 cm width, at 30°, 3% anhedral pyrite.
77.30	79.30	2.00				Feldspar Porphyry	30% mm feldspar phenocrysts. Intense chloritization. Upper contact sharp with 2 cm of saururization and brecciation of andesite into mm-cm inclusions. Very irregular upper contact but generally at low angle. Lower contact sharp at 45°.
79.30	92.30	13.00				Andesite	Dark green, fine grained. Intensely veined forming chaotic stockwork array of carbonate±quartz ±epidote veining especially for a 1-meter interval centered at 81.0.
			83.73	83.97	0.24	Qtz-chl-cab vein	12 cm quartz-chlorite-carbonate vein, 3% disseminated anhedral-euhedral medium grained pyrite, 70°.
			90.60			Quartz vein	6 cm milky white quartz vein, trace pyrite.
92.30	95.05	2.75				Mafic Tuff	Massive, medium green with 30% 1-2 mm mafic fragments. Late barren carbonate-quartz veins.

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-2						Major Lithology (bold) Minor feature (regular)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
95.05	97.80	2.75				Andesitic Tuff	Typical. Sharp upper contact at 80°. Minor carbonate stockworks array.
97.80	98.10	0.30				Fault Breccia	Aphanitic chlorite rich matrix with mm-cm inclusions of angular chert. Trace pyrite. Upper contact undetermined due to ground core, lower contact sharp with 5 mm carbonate vein at 45°.
98.10	103.00	4.90				Andesitic Tuff	Intense carbonate-quartz veining forming stockworks in random orientation. Some exhibiting weak hematization. Rare mm late quartz-carbonate veins cutting stockworks.
			98.50			Pyrite	Intraformational pyrite forming mm stringers and masses.
103.00						EOH	End of hole.

Meterage Intervals of NQ Core per Box								
CL09-2	Meterage							
Box #	From	To	Meters					
1	2.00	6.75	4.75					
2	6.75	11.00	4.25					
3	11.00	15.11	4.11					
4	15.11	19.14	4.03					
5	19.14	23.22	4.08					
6	23.22	27.41	4.19					
7	27.41	31.70	4.29					
8	31.70	35.80	4.10					
9	35.80	39.95	4.15					
10	39.95	44.00	4.05					
11	44.00	48.10	4.10					
12	48.10	52.30	4.20					
13	52.30	56.35	4.05					
14	56.35	60.50	4.15					
15	60.50	64.79	4.29					
16	64.79	68.91	4.12					
17	68.91	73.04	4.13					
18	73.04	77.12	4.08					
19	77.12	81.44	4.32					
20	81.44	85.71	4.27					
21	85.71	89.87	4.16					
22	89.87	94.12	4.25					
23	94.12	98.19	4.07					
24	98.19	103.00	4.81					

Lithology			Rock	Mineralization Style	Alteration Minerals						V-density		Sulphides %							Total	From	To	Width	Au	Ag	Cu	Mo	Pb	Zn	As	
From	To	Sample No	Code		K	Ch	Se	Si	Cb	Hm	QV	CV	Au	Po	Cp	Ga	Ap	Py	Oth		m	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
94.20	95.20	G0782363	TF	diss, qz vn		4			2		2	12						T		T	94.20	95.20	1.00	<0.005	<0.2	6	<1	<2	56	5	
95.20	96.20	G0782364	TF	diss, qz vn		4					1	7						0.5		0.5	95.20	96.20	1.00	<0.005	<0.2	4	<1	<2	90	3	
96.20	97.20	G0782365	TF	qz cb vn, diss		4	1		3		3	15			T			2.5		2.5	96.20	97.20	1.00	0.009	<0.2	3	<1	<2	173	<2	
97.20	98.20	G0782366	TF	diss, qz vn		4					3	10						1.0		1.0	97.20	98.20	1.00	0.053	<0.2	85	<1	<2	183	<2	
98.20	99.20	G0782367	TF	qz vn		4					3	12			0.5			0.5		0.5	98.20	99.20	1.00	1.245	0.3	77	<1	2	44	9	
99.20	100.20	G0782368	TF	diss		4						12						1.0		1.0	99.20	100.20	1.00	2.060	1.2	67	<1	4	58	29	
100.20	101.20	G0782369	TF	diss		4						8						0.5		0.5	100.20	101.20	1.00	0.192	0.2	21	1	<2	47	4	
101.20	101.90	G0782371	TF	diss		4					4	5						T		T	101.20	101.90	0.70	0.064	<0.2	18	<1	<2	252	<2	
101.90	102.60	G0782372	TF	diss		4					2	20						0.5		0.5	101.90	102.60	0.70	0.354	0.2	25	<1	<2	77	4	
102.60			EOH																												

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-3						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From meters	To meters	Length meters	From meters	To meters	Length meters		
0.00	10.00					Overburden	Casing
10.00	13.08					Andesitic Tuff	Medium green, fine grained, predominantly massive. Moderately chloritized. Weak mm carbonate and chlorite stockworks.
			10.00			Qtz-cab-chl vein	5 cm quartz-carbonate-chlorite vein breccia. 5% disseminated anhedral-euhedral fine to medium grained pyrite, 70°.
			12.32			Cab-chl-qtz vein bx	4 cm carbonate-chlorite-quartz vein breccia, 5% disseminated fine to coarse grained euhedral pyrite, 90°.
13.08	15.90					Lapilli Tuff	Medium green. 30% mm+ iregular mafic lapilli set in finer tuffaceous andesitic matrix. Moderately chloritized. Trace disseminated and clustered pyrite.
15.90	22.60					Feldspar Porphyry	30% anhedral to euhedral mm feldspar phenocrysts, 10% mm mafic clots set in aphanitic siliceous matrix. Upper contact sharp at 80°, lower contact sharp at 30°. Trace disseminated pyrite throughout. Overall massive exhibiting few late mm carbonate veinlets.
			18.80			Qtz-chl-cab vein	3 cm quartz-chlorite-carbonate vein with 30% fine grained and semi-massive anhedral to euhedral pyrite. Minor cm inclusions of host rock.
22.60	27.20					Andesitic Tuff	Same as above. Massive.
			23.25			Cab vein	Randomly oriented cm carbonate vein. No significant mineralization.
27.20	31.60					Feldspar Porphyry	Medium green. Chloritized. 20% anhedral to euhedral mm feldspar phenocrysts in aphanitic siliceous matrix. Upper contact sharp at 20°, with cm injections into upper tuff unit. Lower contact sharp at 90°. No significant veining.
			27.80			Incipient bx	Incipient breccia produced by carbonate-chlorite veining. 5% disseminated fine to medium grained subhedral to euhedral pyrite.
31.60	36.80					Tuff-Lapilli Tuff	Same as tuff unit above, but interbedded with dm units of lapilli tuff. Late mm carbonate stockworks forming a weak array.
			34.70			Cab-epd vein	Very low angle, 20°, carbonate-epidote vein with minor mm concentrations of pyrite.
			35.80			Cab-qtz-chl vein	Irregular incipient carbonate-quartz-chlorite vein, 3% disseminated pyrite.
			36.15			Cab-qtz vein bx	Irregular 3 cm carbonate-quartz vein breccia. Mm concentrations of pyrite.
36.80	39.50					Feldspar Porphyry	Medium grey-green, massive. 20-30% mm anhedral to euhedral white feldspar phenocrysts. No significant veins or mineralization. Upper contact fault controlled at 80°. Lower contact sharp at 80°.
39.50	42.15					Andesitic Tuff	Medium green, fine grained. Late randomly oriented carbonate±epidote veinlets. Minor formational pyrite.
			41.90			Qtz-cab vein	3 cm quartz-carbonate vein with 20% clustered and semi-massive pyrite. Late carbonate veinlets forming crackle breccia.
42.15	43.20					Feldspar Porphyry	20% sub-mm, white, chloritized feldspar phenocrysts, aphanitic siliceous matrix. Upper contact sharp at 90° with 10 cm exhibiting heavy (40%) feldspar phenocryst

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-3						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
							concentration. Phenocrysts diminishing down-hole to 10%.
43.20	43.46					Fault	18 cm exhibiting flow texture with 40% digested and broken chloritized feldspar phenocrysts set in fine grained crush breccia. Sharp upper and lower contacts at 40°. 1% disseminated pyrite.
43.46	43.90					Feldspar Porphyry	Same as above. Massive.
43.90	45.50					Andesitic Tuff	Predominantly massive with the exception of a 20 cm section at upper contact, with mm carbonate-quartz-pyrite veinlets.
45.50	49.50					Lapilli Tuff	20% mm mafic fragments in fine grain tuffaceous andesitic matrix. 12 cm of upper contact defined by carbonate-quartz-chlorite crackle breccia with 10% disseminated fine grained anhedral-euhedral pyrite.
			46.50			Sulph vein	5 cm sulphide vein, with 40% py in massive form cut by hairline carbonate veinlets forming a vein breccia, 50°.
49.50	56.70					Andesitic Tuff	Medium green, massive. Randomly oriented, barren, mm carbonate veinlets, 20/meter.
			50.37			Qtz-cab vein	4 cm crystal quartz-carbonate vein. No mineralization observed.
			50.51			Qtz-cab vein	2 cm quartz-carbonate vein. 5% disseminated pyrite associated with wall rock for 1 cm on up-hole side, 80°.
			53.95			Qtz-cab-chl vein	5 cm quartz-carbonate-chlorite vein. 3% disseminated pyrite in wall rock for 1 cm on up-hole side.
			54.75			Qtz-cab-chl vein	Incipient quartz-carbonate-chlorite vein for 4 cm. 3% disseminated fine grained euhedral pyrite.
56.70	58.70					Lapilli Tuff	Mm mafic fragments, fine grained andesitic tuffaceous matrix. Massive. Irregular sharp upper contact at 70°.
			57.50			bc	15 cm of broken core.
			57.80			Qtz-cab-chl-ser vein bx	5 cm quartz-carbonate-chlorite-sericite vein breccia at 70°. No significant mineralization.
58.70	61.47					Andesitic Tuff	Same as previous. Sharp upper contact at 90°.
			59.00			bc	10 cm of broken core.
61.47	69.35					Lapilli Tuff	Same as previous with rare cm clasts. Sharp upper contact at 45°.
			62.25			Pyrite	5% stringer and mm clustered pyrite.
			65.00			Qtz-cab vein	5 cm barren crystal quartz-carbonate vein, 80°.
			68.56			Qtz-cab vein bx	15 cm quartz-carbonate vein breccia. Quartz brecciated by later hairline carbonate veinlets. Weak pervasive sericitization. 5% disseminated and clustered fine grained anhedral-euhedral pyrite.
			68.70	69.35		Duct deform	Section with moderate sericitization and strong chloritization exhibiting in part ductile deformation and mm-cm quartz veins with 5% disseminated anhedral-euhedral pyrite. 10% of section is vein material.
69.35	75.47					Andesitic Tuff	Massive, medium green.

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-3						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
			71.00			Qtz vein	20 cm section with one 4 cm white quartz vein and one 1 cm quartz-carbonate vein. Pyrite halo of 10% disseminated fine-medium grained anhedral-euhedral pyrite associated with veins through entire section.
			72.40			Qtz vein	15 cm section of high chlorite and incipient quartz vein, 7% disseminated and semi-massive pyrite, trace chalcopyrite. Overall at 45°.
75.47	76.66					Lapilli Tuff	Same as previous. Sharp upper contact at 90°.
			76.60			Qtz-cab vein bx	Very low angle 2 cm quartz-carbonate vein breccia. No significant mineralization.
76.66	77.10					Andesitic Tuff	Same as previous.
77.10	77.55					Lapilli Tuff	Same as previous, 20% barren quartz-carbonate vein breccia.
77.55	80.10					Feldspar Porphyry	20% chloritized mm feldspar phenocrysts. Minor mm-1 cm carbonate quartz veinlets, generally barren. Sharp upper contact at 90°, sharp lower contact defined by two multi-branching high angle 5 mm carbonate-quartz veins.
80.10	93.00					Andesitic Tuff	Medium green, massive. Minor mm-2cm randomly oriented carbonate-quartz veins generally barren, cut by later 1-4 cm pyritic-quartz-carbonate veins.
			83.00			Cab-qtz vein	15 cm section with 2 cm very low angle carbonate-quartz vein cut by several multi-branching high angle 3-5 mm carbonate veins. No significant mineralization.
			86.00	93.00		Stockworks	Carbonate vein phase forming stockworks increasing to 70/meter.
			86.50			Cab-qtz veins	25 cm section of contorted mm-1 cm carbonate-quartz veins in random chaotic array. 3% disseminated and clustered fine grained pyrite. Generally veins are at high angle.
			87.50			Cab-qtz veins	20 cm section of contorted 1-10 mm carbonate-quartz veining in random chaotic array. 5% disseminated and clustered pyrite.
			90.30			Qtz-cab-chl veins	25 cm section with 50% cm quartz-carbonate-chlorite veining at 80°. 3% disseminated anhedral-euhedral pyrite associated with veins and wall rock.
			91.05			Cab-qtz vein ck bx	Carbonate vein phase is latest, brecciating quartz-chlorite phase.
			91.30			Qtz-cab vein	2 cm carbonate-quartz vein crackle breccia. 10% fine grained clustered pyrite.
			91.90			Qtz-cag vein	2 cm quartz-carbonate vein, 70°. 5% fine grained disseminated pyrite.
			92.95			Cab-qtz-chl vein bx	8 cm of incipient quartz-carbonate veining with 15% semi-massive fine-medium grained subhedral-euhedral pyrite.
93.00	94.20					Lapilli Tuff	5 cm carbonate-quartz-chlorite vein breccia. Carbonate phase brecciated earlier quartz. Vein at 60°. 5% disseminated anhedral-euhedral pyrite.
			93.28			Qtz-cab vein	Same as previous. 30% mm mafic fragments.
			93.80			Qtz-cab veins	Randomly oriented mm-1 cm carbonate vein stockworks, 70/meter.
94.20	102.60					Andesitic Tuff	2 cm quartz-carbonate vein, trace pyrite, 70°.
							40 cm section with multi-branching, randomly oriented, 1 cm quartz-carbonate veins. 1% disseminated pyrite.
							Medium green-grey. Mm-cm carbonate vein phase, random, stockworks. Vein density at 70/meter.

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-3						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From meters	To meters	Length meters	From meters	To meters	Length meters		
			95.95			Qtz vein	5 cm milky white, barren quartz vein at 80°.
			96.55			Cab-qtz vein	4 cm multi-branching carbonate-quartz vein. 5% disseminated anhedral-euhedral fine grained pyrite associated with vein and wall rock.
			97.00			Qtz-cab vein	Very low angle 2 cm barren quartz-carbonate vein cored along 0.5-meters.
			98.00			Qtz-cab vein	1 cm very low angle quartz-carbonate vein cored along 1-meter, trace pyrite and chalcopyrite.
			99.30			Cab-qtz vein	2 cm carbonate-quartz vein, barren, at 80°.
			101.85			Qtz-cab vein	1 cm multi-branching quartz-carbonate vein, trace pyrite. Overall orientation at 45°.
102.60						EOH	End of hole.

Assay Samples																																										
CL09-3	Duplicate																																									
Cat	Standard	From	To	Length	Sample	Check	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
No.	Blank	meters	meters	meters	No.	Sample No.	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
84		80.10	81.00	0.90	G0782346	G0780346	0.191	<0.2	2.27	5	<10	10	<0.5	<2	2.5	<0.5	22	184	38	3.78	10	<1	0.01	30	2.24	527	1	0.08	101	1000	<2	<0.01	<2	3	138	<20	0.15	<10	<10	63	<10	29
85		81.00	82.00	1.00	G0782347	G0780347	0.206	<0.2	2.91	4	<10	10	<0.5	2	3.86	<0.5	27	191	24	4.55	10	1	0.01	20	2.92	661	1	0.06	114	970	<2	0.1	<2	7	126	<20	0.14	<10	<10	91	<10	40
86		82.00	83.00	1.00	G0782348	G0780348	0.484	0.2	3.06	2	<10	10	<0.5	<2	3.72	<0.5	25	189	349	4.72	10	1	0.01	30	3.08	650	1	0.06	106	960	<2	0.07	<2	10	99	<20	0.18	<10	<10	97	<10	50
87		83.00	84.00	1.00	G0782349	G0780349	0.07	<0.2	2.48	3	<10	10	<0.5	<2	1.84	<0.5	18	130	186	3.88	10	<1	0.01	10	2.42	429	1	0.07	111	470	<2	0.07	<2	9	33	<20	0.17	<10	<10	83	<10	49
88		84.00	85.00	1.00	G0782351	G0780351	0.03	<0.2	2.49	3	<10	10	<0.5	<2	2.43	<0.5	20	118	69	3.81	10	<1	0.04	10	2.35	418	1	0.08	108	440	<2	0.11	<2	7	44	<20	0.18	<10	<10	75	<10	54
89		85.00	86.00	1.00	G0782352	G0780352	0.109	1.2	1.89	3	<10	20	<0.5	2	2.15	<0.5	21	105	1075	3.5	10	1	0.05	10	1.68	343	3	0.08	94	440	<2	0.64	<2	4	42	<20	0.13	<10	<10	51	<10	55
90		86.00	87.00	1.00	G0782353	G0780353	0.155	<0.2	2.67	<2	<10	30	<0.5	2	1.89	<0.5	24	140	400	4.21	10	<1	0.08	10	2.44	456	1	0.07	90	480	<2	0.1	<2	5	39	<20	0.18	<10	<10	60	<10	48
91		87.00	88.00	1.00	G0782354	G0780354	0.071	<0.2	2.75	5	<10	10	<0.5	3	3.02	<0.5	21	208	149	4	10	<1	0.02	10	2.86	578	1	0.07	100	480	<2	0.14	<2	9	55	<20	0.19	<10	<10	89	<10	32
92		88.00	89.00	1.00	G0782355	G0780355	0.109	<0.2	2.92	2	<10	10	<0.5	2	2.96	<0.5	22	258	92	4.02	10	<1	0.01	10	3.18	666	1	0.08	106	540	<2	0.02	<2	9	66	<20	0.25	<10	<10	106	<10	30
93		89.00	90.00	1.00	G0782356	G0780356	0.031	<0.2	4.16	4	<10	10	<0.5	<2	4.27	<0.5	33	774	9	4.93	10	2	<0.01	10	5.28	975	1	0.03	279	290	<2	<0.01	<2	14	79	<20	0.18	<10	<10	93	<10	39
94		90.00	91.00	1.00	G0782357	G0780357	0.01	<0.2	4.03	2	<10	10	<0.5	<2	2.63	<0.5	32	719	8	4.55	10	1	<0.01	10	5.42	928	1	0.04	266	300	<2	<0.01	<2	9	51	<20	0.15	<10	<10	82	<10	38
95		91.00	92.00	1.00	G0782358	G0780358	0.01	<0.2	3.97	2	<10	10	<0.5	2	3.39	<0.5	31	690	10	4.55	10	<1	<0.01	10	5.27	991	1	0.04	255	300	<2	<0.01	2	10	68	<20	0.15	<10	<10	81	<10	38
96		92.00	93.00	1.00	G0782359	G0780359	0.056	<0.2	4.01	3	<10	<10	<0.5	3	4.02	<0.5	30	711	9	4.56	10	1	<0.01	10	5.31	1095	4	0.03	259	270	2	0.03	2	13	80	<20	0.15	<10	<10	84	<10	40
97		93.00	93.60	0.60	G0782361	G0780361	0.006	<0.2	4.01	19	<10	<10	<0.5	<2	3.87	<0.5	29	708	15	4.49	10	<1	0.01	<10	5.41	1025	<1	0.03	242	280	<2	0.04	<2	15	84	<20	0.13	<10	<10	84	<10	42
98		93.60	94.20	0.60	G0782362	G0780362	<0.005	<0.2	4.14	6	<10	<10	<0.5	<2	3.89	<0.5	29	746	<1	4.2	10	<1	<0.01	<10	5.57	1015	<1	0.04	262	290	<2	<0.01	<2	16	93	<20	0.14	<10	<10	88	<10	44
99		94.20	95.20	1.00	G0782363	G0780363	<0.005	<0.2	4.12	5	<10	<10	<0.5	<2	4.08	<0.5	30	723	6	4.22	10	1	<0.01	<10	5.42	1030	<1	0.03	248	290	<2	0.01	<2	16	105	<20	0.14	<10	<10	86	<10	56
100		95.20	96.20	1.00	G0782364	G0780364	<0.005	<0.2	4.3	3	<10	<10	<0.5	2	3.61	<0.5	31	751	4	4.36	10	1	0.01	<10	5.61	1030	<1	0.04	262	280	<2	0.01	<2	16	98	<20	0.15	<10	<10	90	<10	90
101		96.20	97.20	1.00	G0782365	G0780365	0.009	<0.2	4.22	<2	<10	<10	<0.5	<2	4.44	<0.5	30	759	3	4.6	10	1	0.01	<10	5.14	1095	<1	0.03	264	290	<2	0.02	<2	15	92	<20	0.13	<10	<10	88	<10	173
102		97.20	98.20	1.00	G0782366	G0780366	0.053	<0.2	3.66	<2	<10	10	<0.5	<2	3.54	<0.5	27	604	85	4.24	10	<1	0.06	<10	4.23	976	<1	0.04	213	320	<2	0.03	<2	12	67	<20	0.12	<10	<10	75	<10	183
103		98.20	99.20	1.00	G0782367	G0780367	1.245	0.3	1.14	9	<10	60	<0.5	<2	3.17	<0.5	11	16	77	1.9	<10	1	0.29	10	0.59	410	<1	0.03	24	430	2	0.3	2	1	50	<20	0.07	<10	<10	14	<10	44
104		99.20	100.20	1.00	G0782368	G0780368	2.06	1.2	1	29	<10	70	<0.5	3	4.01	1.1	11	8	67	2	<10	<1	0.31	10	0.44	391	<1	0.02	12	420	4	0.68	3	1	59	<20	0.06	<10	<10	10	<10	58
105		100.20	101.20	1.00	G0782369	G0780369	0.192	0.2	1.45	4	<10	100	<0.5	<2	2.24	<0.5	10	11	21	1.75	<10	<1	0.43	10	0.66	349	1	0.05	15	470	<2	0.02	<2	2	33	<20	0.09	<10	<10	19	<10	47
106		101.20	101.90	0.70	G0782371	G0780371	0.064	<0.2	4.68	<2	<10	10	<0.5	<2	4.29	<0.5	38	732	18	6.07	10	1	0.04	<10	5.09	1245	<1	0.02	257	280	<2	0.04	<2	13	76	<20	0.12	<10	<10	84	10	252
107		101.90	102.60	0.70	G0782372	G0780372	0.354	0.2	1.46	4	<10	60	<0.5	<2	2.05	<0.5	13	12	25	1.93	<10	<1	0.25	10	1.05	380	<1	0.06	22	460	<2	0.07	2	2	33	<20	0.08	<10	<10	25	<10	77

Meterage Intervals of NQ Core per Box								
CL09-3	Meterage							
Box #	From	To	Meters					
1	10.00	14.00	4.00					
2	14.00	18.09	4.09					
3	18.09	22.25	4.16					
4	22.25	26.52	4.27					
5	26.52	30.92	4.40					
6	30.92	35.15	4.23					
7	35.15	39.37	4.22					
8	39.37	43.62	4.25					
9	43.62	47.90	4.28					
10	47.90	52.20	4.30					
11	52.20	56.55	4.35					
12	56.55	60.35	3.80					
13	60.35	64.55	4.20					
14	64.55	68.73	4.18					
15	68.73	73.00	4.27					
16	73.00	77.15	4.15					
17	77.15	81.37	4.22					
18	81.37	85.60	4.23					
19	84.60	89.93	5.33					
20	89.93	94.40	4.47					
21	94.40	98.60	4.20					
22	98.60	102.60	4.00					

Mineral - Alteration Log														ALTERATION LEGEND				MINERAL LEGEND				MIN STYLE													
Mantis Mineral Corp.														UTM NAD 83		Drilled by: RONKOR		Dip Tests		LITHOLGOGY LEGEND								K	Potassic		Au	Gold		1	weak
Hole Id		CL09-4		Easting		373679		Diamond Drilling		m		Angl		-47		CODE	UNIT	CODE	UNIT	Ch	Chloritic	Po	Pyrrhotite	3	moderate										
Started		July 14, 2009		Mine Grid		by		S. Ewanchuk		EOH		-47		LTF	Lapilli Tuff	AND	Andesite	Si	Silicic	Ga	Galena	vn	vein												
Finished		July 15, 2009		Easting		1080		Elevation						CBZN	Carbonate Zone	CBX	Crackle Breccia	Cb	Carbonate	Ap	Arsenopyrite	diss	disseminated												
Claim No.		4203295		Northing		962.5		Recovery		99%				TF	Tuff	FLT	Fault	Hm	Hematitic	Py	Pyrite	stkwk	stockwork												
Township:		Swayze		Length		102.8		Core storage site: RONKOR,						VBX	Volcanic Breccia	BX	Breccia	QV	Quartz veins	T	Trace	mass	massive												
Size		NQ 47mm		Azimuth		340		Noelville, ON						SHR	Shear	XTLTF	Crystal Tuff	CV	Carbonate veins	X	Present	str	stringer												
Units		Metric		Dip collar		-45		Casing removed: no						STWK	Stockwork	METERAGE				SELECT ASSAYS FROM ASSAY LOG															
Lithology			Rock	Mineralization Style		Alteration Minerals					V-density		Sulphides %								Total			From	To	Width	Au	Ag	Cu	Mo	Pb	Zn	As		
From	To	Sample No	Code	K	Ch	Se	Si	Cb	Hm	QV	CV	Au	Po	Cp	Ga	Ap	Py	Oth	Total	m	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm						
0.00	4.00		OV																	0.00	4.00	4.00													
4.00	5.00	G0782373	VBX		4					3	2									4.00	5.00	1.00	0.008	0.4	35	<1	<2	76	4						
5.00	6.00	G0782374	VBX		4					1	3									5.00	6.00	1.00	<0.005	0.4	51	<1	2	71	<2						
6.00	7.00	G0782375	VBX		4			1			4									6.00	7.00	1.00	<0.005	0.3	25	<1	<2	74	3						
7.00	8.00	G0782376	VBX		4					1	3									7.00	8.00	1.00	<0.005	0.2	136	<1	8	88	<2						
8.00	9.00	G0782377	VBX		4			1		4	3									8.00	9.00	1.00	<0.005	0.3	70	<1	2	82	<2						
9.00	10.00	G0782378	VBX		4			3		1	4									9.00	10.00	1.00	<0.005	<0.2	50	<1	<2	74	2						
10.00	11.00	G0782379	VBX		4					1	8									10.00	11.00	1.00	<0.005	0.2	56	<1	<2	71	3						
11.00	12.00	G0782381	VBX	diss	4			1		4	10						T	T	11.00	12.00	1.00	0.006	<0.2	58	<1	2	73	<2							
12.00	13.00	G0782382	VBX		4			1		2	8									12.00	13.00	1.00	<0.005	<0.2	54	<1	<2	77	2						
13.00	14.00	G0782383	VBX		4			1		2	4									13.00	14.00	1.00	<0.005	<0.2	55	<1	2	76	3						
14.00	15.00	G0782384	VBX	diss	4					5	8						0.5	0.5	14.00	15.00	1.00	0.005	1.3	50	1	4	66	3							
15.00	16.00	G0782385	VBX	diss	4					1	6						T	T	15.00	16.00	1.00	<0.005	<0.2	47	<1	2	75	2							
16.00	17.00	G0782386	VBX		4					2	8									16.00	17.00	1.00	<0.005	0.3	48	<1	<2	78	3						
17.00	18.00	G0782387	VBX		4					1	4									17.00	18.00	1.00	<0.005	<0.2	27	<1	2	81	2						
18.00	18.70	G0782388	VBX		4			1			1									18.00	18.70	0.70	<0.005	<0.2	57	<1	<2	92	<2						
18.70	19.17	G0782389	FLT BX		4	2		4			10									18.70	19.17	0.47	<0.005	0.2	79	<1	4	62	3						
19.17	19.85	G0782391	LTF-TF		4						2									19.17	19.85	0.68	0.006	<0.2	41	<1	<2	75	3						
19.85	20.50	G0782392	LTF-TF		4			1		3	3									19.85	20.50	0.65	0.005	0.3	42	<1	2	55	2						
20.50	21.50	G0782393	VBX	qz cb vn	4					1	12						0.5	0.5	20.50	21.50	1.00	0.007	0.4	59	2	4	85	4							
21.50	22.50	G0782394	VBX		4			4			2									21.50	22.50	1.00	<0.005	0.2	38	<1	<2	83	<2						
22.50	23.50	G0782395	VBX	cb vn	4			2		2	2						T	T	22.50	23.50	1.00	<0.005	0.3	33	<1	<2	83	2							
23.50	24.30	G0782396	VBX	diss, qz cb vn	4			3		2	4						0.5	0.5	23.50	24.30	0.80	0.005	0.2	40	<1	2	65	3							
24.30	25.00	G0782397	LTF		4			4												24.30	25.00	0.70	<0.005	<0.2	46	<1	<2	60	3						
25.00	25.75	G0782398	LTF	diss	4			2		3	5						T	T	25.00	25.75	0.75	<0.005	0.3	39	<1	2	64	4							
25.75	26.70	G0782399	VBX	cb vn, diss	4			2	X	4	10						1.0	1.0	25.75	26.70	0.95	0.006	0.3	44	<1	3	71	<2							
26.70	27.70	G0782401	VBX	diss	4			1		3	5						T	T	26.70	27.70	1.00	<0.005	0.2	14	<1	2	88	9							
27.70	28.50	G0782402	VBX	diss	4			1		3	5						T	T	27.70	28.50	0.80	<0.005	<0.2	45	<1	5	80	2							
28.50	29.50	G0782403	VBX	diss	4			2		1	7						T	T	28.50	29.50	1.00	<0.005	<0.2	38	<1	2	65	2							
29.50	30.50	G0782404	VBX	diss	4			2		3	6						T	T	29.50	30.50	1.00	<0.005	0.2	41	1	<2	82	3							
30.50	31.50	G0782405	VBX	diss	4			2									T	T	30.50	31.50	1.00	<0.005	0.2	36	<1	2	61	4							
31.50	32.70	G0782406	VBX		4			1		1	1									31.50	32.70	1.20	<0.005	<0.2	34	<1	<2	72	2						
32.70	33.00	G0782407	FLT BX	diss, bx	4	4		4		1	20						T	T	32.70	33.00	0.30	0.026	0.3	76	20	6	51	3							
33.00	34.00	G0782408	TF-LTF	diss	4			3		3	3						T	T	33.00	34.00	1.00	<0.005	0.2	14	<1	<2	72	3							
34.00	35.00	G0782409	TF-LTF		4						3									34.00	35.00	1.00	<0.005	<0.2	21	<1	<2	76	3						
35.00	35.70	G0782411	TF-LTF	diss	4						2						T	T	35.00	35.70	0.70	<0.005	<0.2	35	<1	<2	76	2							
35.70	36.30	G0782412	TF-LTF		4						3									35.70	36.30	0.60	<0.005	0.2	12	<1	<2	84	3						
36.30	37.00	G0782413	FLT BX	diss, mm mass	1	4	4		5		3	15					3.5	3.5	36.30	37.00	0.70	0.021	0.5	49	9	4	39	4							
37.00	37.83	G0782414	FLT BX/CBX	diss		4	3		2		3						0.5	0.5	37.00	37.83	0.83	<0.005	0.2	41	<1	<2	47	3							
37.83	38.56	G0782415	FLT BX/CBX	diss	1	4	2		5		10						1.5	1.5	37.83	38.56	0.73	0.095	0.9	76	5	2	51	3							
38.56	39.22	G0782416	FLT BX/CBX	diss, mm mass, str	1	4	1		5		6						2.5	2.5	38.56	39.22	0.66	0.068	0.5	102	3	3	59	4							
39.22	39.84	G0782417	VBX	diss, qz cb vn	1	4	1		4		3						1.5	1.5	39.22	39.84	0.62	0.283	2.1	134	6	5	56	2							
39.84	40.80	G0782418	VBX			4					2									39.84	40.80	0.96	<0.005	<0.2	40	<1	<2	82	3						

Lithology			Rock	Mineralization Style	Alteration Minerals						V-density		Sulphides %							Total	From	To	Width	Au	Ag	Cu	Mo	Pb	Zn	As	
From	To	Sample No	Code		K	Ch	Se	Si	Cb	Hm	QV	CV	Au	Po	Cp	Ga	Ap	Py	Oth		m	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
40.80	41.80	G0782419	VBX			4			2			6									40.80	41.80	1.00	<0.005	0.3	109	<1	<2	68	3	
41.80	42.80	G0782421	VBX			4			1		1	8									41.80	42.80	1.00	<0.005	0.3	20	<1	2	73	5	
42.80	43.80	G0782422	VBX			4	1		1		3	5									42.80	43.80	1.00	<0.005	0.4	86	<1	<2	70	3	
43.80	44.80	G0782423	VBX			4					1	5									43.80	44.80	1.00	<0.005	0.3	41	<1	<2	86	2	
44.80	45.80	G0782424	VBX			4						3									44.80	45.80	1.00	<0.005	0.3	24	<1	3	78	4	
45.80	46.80	G0782425	VBX			4			1		1	4									45.80	46.80	1.00	<0.005	0.3	22	<1	<2	76	2	
46.80	47.80	G0782426	VBX			4					1	3									46.80	47.80	1.00	<0.005	<0.2	26	<1	<2	77	2	
47.80	48.82	G0782427	VBX			4				X		6									47.80	48.82	1.02	<0.005	0.2	48	<1	<2	78	4	
48.82	49.35	G0782428	FLT BX			4	3		5		1	5									48.82	49.35	0.53	<0.005	<0.2	16	<1	<2	49	2	
49.35	50.00	G0782429	FLT BX		1	5			5		4	7									49.35	50.00	0.65	<0.005	0.3	72	<1	3	59	2	
50.00	50.90	G0782431	VBX			4						5									50.00	50.90	0.90	<0.005	<0.2	5	<1	<2	88	11	
50.90	51.83	G0782432	VBX			4					1	2									50.90	51.83	0.93	<0.005	<0.2	7	<1	<2	87	2	
51.83	52.86	G0782433	FLT BX		2	4	2					3									51.83	52.86	1.03	<0.005	0.2	13	<1	<2	43	3	
52.86	53.20	G0782434	VBX			4			2			1									52.86	53.20	0.34	<0.005	<0.2	7	<1	<2	85	3	
53.20	53.63	G0782435	FLT			4			4	2	2	10									53.20	53.63	0.43	0.016	0.4	279	<1	2	45	3	
53.63	54.50	G0782436	VBX			4					2	6									53.63	54.50	0.87	<0.005	0.4	84	<1	<2	82	3	
54.50	55.20	G0782437	VBX			4			1		2	3									54.50	55.20	0.70	0.006	0.3	84	<1	<2	69	3	
55.20	55.90	G0782438	VBX			4				1	2	2									55.20	55.90	0.70	0.006	0.4	51	<1	<2	77	<2	
55.90	56.55	G0782439	FLT			4						3									55.90	56.55	0.65	<0.005	0.3	4	<1	<2	69	<2	
56.55	57.50	G0782441	TF-XLTF			4					1	5									56.55	57.50	0.95	<0.005	0.2	3	<1	2	62	<2	
57.50	58.50	G0782442	TF-XLTF			4			2		1	2									57.50	58.50	1.00	<0.005	0.2	5	<1	<2	73	3	
58.50	59.50	G0782443	TF-XLTF			4			3			2									58.50	59.50	1.00	<0.005	<0.2	<1	<1	<2	73	2	
59.50	60.45	G0782444	TF-XLTF			4						2									59.50	60.45	0.95	<0.005	0.2	39	<1	<2	71	3	
60.45	61.40	G0782445	VBX			4			1			1									60.45	61.40	0.95	0.006	0.4	165	2	<2	75	4	
61.40	62.40	G0782446	VBX			4			1			1									61.40	62.40	1.00	<0.005	0.3	32	1	2	75	4	
62.40	63.40	G0782447	VBX			4			1			1									62.40	63.40	1.00	<0.005	<0.2	47	<1	<2	84	3	
63.40	64.40	G0782448	VBX			4			1			1									63.40	64.40	1.00	<0.005	0.3	24	<1	<2	95	2	
64.40	65.44	G0782449	VBX	diss		4			2			3						T	T		64.40	65.44	1.04	<0.005	<0.2	135	<1	<2	84	2	
65.44	65.90	G0782451	VBX			4			3												65.44	65.90	0.46	<0.005	<0.2	21	<1	<2	76	2	
65.90	66.90	G0782452	TF	diss		4			2			2							T	T	65.90	66.90	1.00	<0.005	<0.2	85	<1	<2	59	<2	
66.90	67.90	G0782453	TF	diss		4			1		1	4								T	T	66.90	67.90	1.00	<0.005	<0.2	121	<1	<2	63	2
67.90	68.47	G0782454	VBX	diss		4			2			2									67.90	68.47	0.57	0.006	<0.2	8	<1	<2	88	<2	
68.47	69.50	G0782455	XTLTFVBX	diss		4						2									68.47	69.50	1.03	<0.005	0.2	11	<1	<2	94	<2	
69.50	70.50	G0782456	XTLTFVBX	diss		4						1							T	T	69.50	70.50	1.00	<0.005	<0.2	34	<1	<2	83	2	
70.50	71.50	G0782457	XTLTFVBX	diss		4			1			3							T	T	70.50	71.50	1.00	<0.005	<0.2	79	<1	<2	75	3	
71.50	72.50	G0782458	XTLTFVBX	diss		4			2			4						0.5	0.5		71.50	72.50	1.00	<0.005	<0.2	83	<1	<2	78	4	
72.50	73.50	G0782459	XTLTFVBX	diss		4			2			2							T	T	72.50	73.50	1.00	<0.005	<0.2	40	<1	<2	81	2	
73.50	74.50	G0782461	XTLTFVBX	diss		4			3			2							T	T	73.50	74.50	1.00	<0.005	<0.2	41	<1	<2	78	7	
74.50	75.50	G0782462	XTLTFVBX	diss		4			2		1	2							T	T	74.50	75.50	1.00	<0.005	<0.2	62	<1	<2	76	3	
75.50	76.50	G0782463	XTLTFVBX	diss		4						2							T	T	75.50	76.50	1.00	0.006	<0.2	36	<1	<2	78	3	
76.50	77.50	G0782464	XTLTFVBX			4			2			3									76.50	77.50	1.00	0.005	<0.2	48	<1	<2	68	3	
77.50	78.50	G0782465	XTLTFVBX	diss		4			2			3							T	T	77.50	78.50	1.00	0.006	<0.2	35	<1	<2	78	<2	
78.50	79.50	G0782466	XTLTFVBX			4			1		1	4									78.50	79.50	1.00	<0.005	<0.2	26	<1	<2	80	<2	
79.50	80.50	G0782467	XTLTFVBX			4			2			1									79.50	80.50	1.00	<0.005	0.2	53	<1	<2	81	<2	
80.50	81.50	G0782468	XTLTFVBX			4			2			3									80.50	81.50	1.00	<0.005	<0.2	23	<1	<2	87	<2	
81.50	82.50	G0782469	XTLTFVBX			4			1		1	5									81.50	82.50	1.00	0.006	<0.2	16	<1	<2	79	<2	
82.50	83.50	G0782471	XTLTFVBX			4						3									82.50	83.50	1.00	0.005	<0.2	22	<1	<2	80	<2	
83.50	84.50	G0782472	XTLTFVBX			4			1			3									83.50	84.50	1.00	<0.005	<0.2	36	<1	<2	79	2	
84.50	85.50	G0782473	XTLTFVBX			4			2			4									84.50	85.50	1.00	<0.005	<0.2	43	<1	<2	75	<2	
85.50	86.50	G0782474	XTLTFVBX			4						7									85.50	86.50	1.00	<0.005	<0.2	22	<1	<2	73	<2	
86.50	87.50	G0782475	XTLTFVBX			4			1			2									86.50	87.50	1.00	<0.005	<0.2	23	<1	<2	80	<2	
87.50	88.50	G0782476	XTLTFVBX			4			1			2									87.50	88.50	1.00	<0.005	<0.2	43	<1	<2	87	2	

Lithology			Rock	Mineralization Style	Alteration Minerals						V-density		Sulphides %								Total	From	To	Width	Au	Ag	Cu	Mo	Pb	Zn	As	
From	To	Sample No	Code		K	Ch	Se	Si	Cb	Hm	QV	CV	Au	Po	Cp	Ga	Ap	Py	Oth	m		m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm		
88.50	89.50	G0782477	XTLTFVBX			4			3			1									88.50	89.50	1.00	<0.005	<0.2	87	<1	<2	77	3		
89.50	90.50	G0782478	XTLTFVBX			4			2												89.50	90.50	1.00	<0.005	<0.2	32	<1	<2	78	<2		
90.50	91.50	G0782479	XTLTFVBX			4			3			4									90.50	91.50	1.00	<0.005	<0.2	50	<1	<2	52	4		
91.50	92.50	G0782481	XTLTFVBX	mm mass, diss		4			2		1	2						1.5	1.5		91.50	92.50	1.00	0.006	<0.2	85	1	2	46	18		
92.50	93.50	G0782482	XTLTFVBX	shr, diss		4			3			2						T	T		92.50	93.50	1.00	<0.005	<0.2	62	<1	2	79	<2		
93.50	94.50	G0782483	XTLTFVBX	diss		4			3			3						T	T		93.50	94.50	1.00	<0.005	<0.2	25	<1	<2	74	2		
94.50	95.50	G0782484	XTLTFVBX			4			2												94.50	95.50	1.00	<0.005	<0.2	37	<1	2	72	4		
95.50	96.50	G0782485	XTLTFVBX			4			3			1									95.50	96.50	1.00	<0.005	<0.2	70	<1	3	64	<2		
96.50	97.50	G0782486	XTLTFVBX			4			2												96.50	97.50	1.00	<0.005	<0.2	26	<1	2	76	<2		
97.50	98.50	G0782487	XTLTFVBX			4			1												97.50	98.50	1.00	0.013	<0.2	41	<1	<2	77	<2		
98.50	99.50	G0782488	XTLTFVBX			4			2												98.50	99.50	1.00	0.013	<0.2	90	<1	2	71	2		
99.50	100.50	G0782489	XTLTFVBX			4			1												99.50	100.50	1.00	0.016	<0.2	121	<1	2	73	3		
100.50	101.50	G0782491	XTLTFVBX			4			2												100.50	101.50	1.00	0.008	<0.2	56	<1	3	69	7		
101.50	102.75	G0782492	XTLTFVBX			4						1									101.50	102.75	1.25	<0.005	<0.2	30	<1	<2	73	<2		
102.75			EOH																													

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-4						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
0.00	4.00	4.00				Overburden	Casing
4.00	18.70	14.70				Volcanic Breccia	Medium green, massive. Heterolithic volcanic breccia containing cm-dm mafic and andesitic lapilli in intermedaite tuffaceous matrix. Cm sections of interbedded tuff. Lapilli dominated by mm mafic fragments. Randomly oriented mm carbonate veining forming weak stockworks, generally unmineralized. Last few meters breccia fragment population increasing.
18.70	19.17	0.47				Fault Zone	Intense chlorite veining brecciating earlier quartz vein into mm-cm fragments. Moderate carbonatization, weak sericitization. Upper contact weak shear at 70°. Lower contact sharp at 80°.
19.17	20.50	1.33				Tuff-Lapilli Tuff	Medium green, massive, 10% submm -mm mafic fragments. No significant veins or mineralization.
20.50	24.30	3.80				Volcanic Breccia	Same as previous. Strong S1 at 40°. Weak pervasive carbonatization, moderate chloritization.
24.30	25.75	1.45				Lapilli Tuff	Andesitic lapilli tuff with 10% submm-mm mafic lapilli, andesitic tuffaceous matrix. Massive. No significant veins or mineralization.
25.75	28.50	2.75				Volcanic Breccia	Similar to previous. Fragment size dominated by cm-scale population. Strong S1 at 30°. Upper contact defined by 3 cm quartz-carbonate-chlorite vein breccia. Chlorite phase brecciating quartz-carbonate phase. 5% disseminated anhedral-euhedral, fine to medium grained pyrite. Oriented at 50°. Late mm randomly oriented carbonate veining, 10-20/meter.
28.50	32.70	4.20				Tuff-Lapilli Tuff	Upper contact, sharp with 5 mm quartz-carbonate vein at 80°. Medium green-grey, massive. Minor hairline-mm randomly oriented chlorite veinlets. No significant veins or mineralization.
32.70	33.00	0.30				Fault Zone	Intense brecciation by sercite-carbonate phase with flow fabric and flame texture on down-hole side. Incipient 2 cm quartz-carbonate vein followed by incipient crackle breccia by hairline chlorite veinlets. Upper contact at 50°. Lower contact at 60°. No mineralization observed.
33.00	36.30	3.30				Tuff-Lapilli Tuff	Lapilli tuff grading into tuff down hole from 33.8 m onwards to last 1-meter where volcanic breccia fragments appear. Predominantly massive with no significant veins or mineralization.
36.30	38.23	1.93				Fault Zone	Upper 1-meter intense carbonate-sercite alteration and micro-brecciation of earlier quartz . Later quartz-carbonate phase brecciated by intense hairline-mm chlorite veinlets, at low angle. Minor fuchsite present. 3% disseminated fine-medium grained, anhedral-euhedral pyrite in 1-meter section. Upper contact sharp at 80°. Lower contact sharp at 30°.
			37.30	37.83		Ck bx	Crackle breccia by late hairline-mm chlorite veinlets. No mineralization observed.
			37.83	38.23		Hydro bx	Intense brecciation by hairline chlorite veinlets. 1% disseminated pyrite.

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-4						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
38.23	38.56	0.33				Lapilli Tuff	Same as previous. No significant veins or mineralization.
38.56	39.00	0.44				Fault Breccia	Moderate carbonatization. Strong crackle breccia resulting from hairline-mm chlorite veinlets. 3% disseminated fine grained pyrite. Upper contact 50°, lower contact 90°.
39.00	39.30	0.30				Lapilli Tuff	Same as previous.
39.30	39.84	0.54				Fault Breccia	Intense crackle breccia by chlorite veinlets. Brecciating early quartz vein and host volcanics. 3% fine grained and mm clustered pyrite. Upper contact sharp at 80°, lower contact sharp at 50°.
39.84	48.82	8.98				Volcanic Breccia	Cm lapilli clasts composed of mm mafic fragments in andesitic matrix, set in lapilli tuff matrix dominated by mm felsic fragments. Weak S1 at 60°.
			43.15			Qtz-cab vein	8 cm section with 3.5 cm quartz-carbonate vein with an associated 4.5 cm sericite alteration halo, especially on down-hole side. Barren. Oriented at 50°.
			43.45			Qtz-cab vein	3 cm crysyal quartz-carbonate vein. No mineralization observed. Oriented at 70°.
48.82	50.00	1.18				Fault Zone	Multi-phase brecciation. Intense brecciation of early quartz vein and host volcanics by late chlorite hydrothermal phase. Very chaotic chlorite veinlet distribution. Mm-cm fragments of quartz and volcanics. Later generation of quartz veins at very low angle. These veins exhibit a colloform vein edges of quartz with chlorite. Upper contact sharp at 20°, lower contact sharp at 25°. No significant mineralization.
50.00	51.83	1.83				Volcanic Breccia	Same as previous. Mm-1cm barren carbonate-quartz veining, 30/meter.
51.83	52.86	1.03				Fault Zone	Intense brecciation by chlorite hydrothermal phase of early quartz veins and host volcanics. Intense sericite alteration. Upper and lower contacts gradational ductile transition at 20°. No significant mineralization.
52.86	53.20	0.34				Volcanic Breccia	Same as previous.
53.20	53.63	0.43				Fault Zone	Strong ductile deformation resulting in boudinage of several 5 mm quartz veins. Alternating mm chlorite, and sericite ± carbonate laminations. Moderate pervasive sericitization. Upper contact sharp at 40° with 10 cm of chlorite crackle breccia. Lower contact sharp at 20°.
53.63	55.90	2.27				Volcanic Breccia	Same as previous. Mm-1cm barren carbonate-quartz veining, 30/meter.
55.90	56.55	0.65				Tuff-Lapilli Tuff	Medium green, massive. 5% mm mafic lapilli in andesitic tuff.
56.55	62.45	5.90				Lapilli Tuff-Crystal Tuff	Medium grey green, massive. Andesitic tuff with sub-mm feldspar crystals and 5% mm mafic fragments. Upper and lower contact sharp at 90°.
62.45	65.90	3.45				Volcanic Breccia	Same as previous. 20% andesitic lapilli clasts. Rare mafic clasts. Dm sections of interbedded tuff. Weak S0 and S at 65°. No significant veins or mineralization.
65.90	67.90	2.00				Andesitic Tuff	Coarse grained tuff. Medium green, massive. No significant veins or mineralization.
67.90	68.47	0.57				Volcanic Breccia	Same as previous. Sharp upper contact at 40°. Lower contact gradational.
68.47	102.75	34.28				Volcanic Breccia-Crystal	Dominantly typical volcanic breccia. Broken and intact submm-mm feldspar

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-4						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From meters	To meters	Length meters	From meters	To meters	Length meters		
						Tuff	crystals. Weak S1 at 45°. Dm sections of tuff and crystal tuff. No significant veins or mineralization. Random mm carbonate-quartz veins, 20/meter.
			74.00			Cab-qtz vein	5 mm very low angle, barren carbonate-quartz-biotite vein.
			74.85			Qtz-cab-chl vein	3 cm quartz-carbonate-chlorite vein, weak ductile deformation associated with chlorite phase at 20°. Trace fine grained disseminated pyrite.
			87.95			Qtz-cab vein	5 mm quartz-carbonate vein with incipient breccia caused by chlorite phase. 3% disseminated fine grained pyrite. Oriented at 35°.
			92.40			Pyrite	1 x 2.5 cm pyrite nodule.
102.75						EOH	End of hole.

Meterage Intervals of NQ Core per Box								
CL09-4	Meterage							
Box #	From	To	Meters					
1	4.00	8.00	4.00					
2	8.00	12.50	4.50					
3	12.50	16.32	3.82					
4	16.32	20.60	4.28					
5	20.60	24.72	4.12					
6	24.72	28.88	4.16					
7	28.88	32.80	3.92					
8	32.80	36.93	4.13					
9	36.93	41.00	4.07					
10	41.00	45.20	4.20					
11	45.20	49.28	4.08					
12	49.28	53.21	3.93					
13	53.21	57.40	4.19					
14	57.40	61.40	4.00					
15	61.40	63.44	2.04					
16	63.44	69.72	6.28					
17	69.72	74.00	4.28					
18	74.00	78.60	4.60					
19	78.60	82.40	3.80					
20	82.40	86.67	4.27					
21	86.67	90.67	4.00					
22	90.67	94.87	4.20					
23	94.87	98.95	4.08					
24	98.95	102.75	3.80					

Lithology			Rock	Mineralization Style	Alteration Minerals						V-density		Sulphides %								Total	From	To	Width	Au	Ag	Cu	Mo	Pb	Zn	As
From	To	Sample No	Code		K	Ch	Se	Si	Cb	Hm	QV	CV	Au	Po	Cp	Ga	Ap	Py	Oth	m		m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
186.50	187.50	C165879	FP	diss		4					1	8						T		T	186.50	187.50	1.00	0.01	<0.2	37	<1	<2	38	21	
187.50	188.50	C165881	FP			4						5									187.50	188.50	1.00	0.01	<0.2	70	<1	<2	38	25	
188.50	189.43	C165882	FP	diss, qz vn, cb vn		4					1	8						1.0		1.0	188.50	189.43	0.93	0.026	<0.2	111	1	2	32	15	
189.43	189.93	C165883	FP	qz vn, mm mass, diss		4	X		3		2	3						1.0		1.0	189.43	189.93	0.50	0.027	0.3	192	3	17	61	27	
189.93	190.58	C165884	FP	diss, qz cb vn		4			3		1	6						0.5		0.5	189.93	190.58	0.65	0.015	<0.2	54	<1	4	72	29	
190.58	191.00	C165885	TF/FP	qz vn, diss		4			3		1	2						1.5		1.5	190.58	191.00	0.42	1.075	0.6	46	<1	156	66	27	
191.00	191.50	C165886	FP	diss, mm mass		4			3		1	1						0.5		0.5	191.00	191.50	0.50	0.027	0.2	29	4	6	45	16	
191.50	192.10	C165887	FP	diss		4	X		3			3						0.5		0.5	191.50	192.10	0.60	0.045	<0.2	48	<1	2	27	19	
192.10	193.10	C165888	FP	diss		4	X		3			3						0.5		0.5	192.10	193.10	1.00	0.238	<0.2	60	1	<2	26	17	
193.10	193.90	C165889	FP	mm mass, diss		4			1			1						1.5		1.5	193.10	193.90	0.80	1.405	0.4	62	1	2	31	12	
193.90	194.50	C165891	FP	mm mass, qz cb vn		4					1	3						2.5		2.5	193.90	194.50	0.60	0.059	0.2	84	2	<2	31	6	
194.50	195.50	C165892	FP	diss, mm mass		4			1			3						0.5		0.5	194.50	195.50	1.00	0.058	<0.2	53	<1	<2	38	9	
195.50	196.27	C165893	FP	cb vn, diss		4						2						1.0		1.0	195.50	196.27	0.77	0.086	<0.2	38	1	2	32	9	
196.27	197.27	C165894	MF/TF	diss, cb vn, qz vn		4	2		3		3	15						2.0		2.0	196.27	197.27	1.00	0.017	<0.2	141	<1	2	68	5	
197.27	198.27	C165895	MF/TF	diss, cb qz vn		4	X		3.0		1.0	3.0						1.0		1.0	197.27	198.27	1.00	0.013	<0.2	127	<1	<2	76	6	
198.27	199.27	C165896	MF/TF	diss		4	X		3		2	10						0.5		0.5	198.27	199.27	1.00	0.03	<0.2	167	<1	<2	77	4	
199.27	199.65	C165897	MF/TF	diss, qz cb vn		4			1		5	6						1.0		1.0	199.27	199.65	0.38	0.023	0.3	94	<1	<2	52	7	
199.65	200.35	C165898	MF/TF	diss, qz cb vn		4			1		4	5						2.0		2.0	199.65	200.35	0.70	0.025	0.3	111	1	<2	52	7	
200.35	201.35	C165899	MF/TF	qz cb vn, diss		4			2		2	3						0.5		0.5	200.35	201.35	1.00	0.023	0.4	213	<1	<2	42	2	
201.35	202.30	C165901	MF/TF	diss		4					1	10						T		T	201.35	202.30	0.95	0.046	0.3	242	<1	<2	34	7	
202.30	202.70	C165902	MF/TF	qz vn, diss, cb vn		4					2	2						1.0	Ep1	1.0	202.30	202.70	0.40	0.026	0.4	182	<1	<2	49	5	
202.70	203.20	C165903	MF/TF	diss, qz cb vn		4						6						0.5	Ep1	0.5	202.70	203.20	0.50	0.014	<0.2	183	<1	<2	33	3	
203.20	203.60	C165904	MF/TF	diss, qz cb vn		4					2	1						2.0	Ep2	2.0	203.20	203.60	0.40	0.034	0.4	314	1	<2	36	3	
203.60	204.50	C165905	MF/TF			4						12									203.60	204.50	0.90	0.041	0.3	457	<1	<2	28	3	
204.50	205.50	C165906	MF/TF	diss		4					2	12						0.5	Ep1	0.5	204.50	205.50	1.00	0.023	0.3	253	<1	<2	31	6	
205.50	206.20	C165907	MF/TF	diss		4				1		5						T		T	205.50	206.20	0.70	0.037	0.2	251	<1	<2	45	2	
206.20	206.80	C165908	MF/TF			4				1	1	8									206.20	206.80	0.60	0.072	<0.2	91	<1	<2	55	5	
206.80	207.50	C165909	AGB			2				2	2	2									206.80	207.50	0.70	<0.005	0.2	52	<1	3	35	5	
207.50	208.50	C165911	AGB	diss		3				2	1	1						T		T	207.50	208.50	1.00	0.007	<0.2	32	<1	3	44	14	
208.50	209.00	C165912	AGB			2					4	1									208.50	209.00	0.50	0.007	<0.2	33	<1	2	35	4	
209.00	210.00	C165913	MF/TF	diss		4	1				1	6						0.5		0.5	209.00	210.00	1.00	0.029	0.2	200	<1	<2	38	8	
210.00	211.00	C165914	MF/TF	diss		4	1.0				1.0	8.0						T		T	210.00	211.00	1.00	0.025	0.2	122	<1	<2	34	2	
211.00	211.75	C165915	MF/TF	shr		4	1					6						0.5		0.5	211.00	211.75	0.75	0.032	0.3	113	<1	<2	34	8	
211.75	212.25	C165916	MF/TF	diss, mm mass, cb vn, shr		4	2					12						1.5		1.5	211.75	212.25	0.50	0.1	0.6	650	<1	2	40	32	
212.25	213.00	C165917	MF/TF	diss		4	1					6						0.5		0.5	212.25	213.00	0.75	0.03	<0.2	158	<1	<2	36	10	
213.00	214.00	C165918	MF/TF	diss		4	2					15						0.5		0.5	213.00	214.00	1.00	0.012	<0.2	163	<1	<2	29	15	
214.00	215.00	C165919	MF/TF	diss		4	2				1	15						T		T	214.00	215.00	1.00	0.016	0.2	139	1	8	33	9	
215.00	216.00	C165921	MF/TF	diss		4					1	6						T		T	215.00	216.00	1.00	0.007	<0.2	114	1	<2	27	7	
216.00	217.00	C165922	MF/TF	diss, cb vn		4	1				2	10						1.0		1.0	216.00	217.00	1.00	0.158	0.2	110	3	<2	32	4	
217.00	218.00	C165923	MF/TF	diss		4						5						0.5		0.5	217.00	218.00	1.00	0.051	0.2	104	<1	<2	26	5	
218.00	219.00	C165924	MF/TF	diss		4	X					5.0						T		T	218.00	219.00	1.00	0.019	<0.2	120	<1	<2	26	4	
219.00	220.00	C165925	MF/TF	diss, qz cb vn		4	X				1	8						1.5		1.5	219.00	220.00	1.00	0.146	<0.2	214	1	9	29	12	
220.00	221.00	C165926	MF/TF	diss		4					1	8						T		T	220.00	221.00	1.00	0.019	<0.2	262	1	<2	31	24	
221.00			EOH	End of hole																											

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-5						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
0.00	4.00	4.00				Overburden	Casing
4.00	10.40	6.40				Tuff-Crystal Tuff	Medium green. 10% anhedral-euhedral submm-mm feldspar phenocrysts in very fine grained tuffaceous matrix.
			5.80	6.20	0.40	Qtz vein bx	Quartz vein breccia. Intense brecciation of quartz vein into mm and cm fragments by chloritic hydrothermal phase. No mineralization observed.
			6.20	7.00	0.80	Qtz-cab vein	80 cm section with multi-branching 1 cm quartz-carbonate vein. Intense brecciation by chlorite hydrothermal phase. Trace disseminated fine grained pyrite.
			9.20			Qtz-cab vein	2 cm crystal quartz-carbonate vein. Trace chalcopyrite and pyrite, at 40°.
10.40	46.24	35.84				Lapilli Tuff-Breccia	Medium green. Heterolithic with two clast populations, mafic tuff and andesitic lapilli tuff. Cm-dm andesitic lapilli with quartz-feldspar matrix and 5% >2 mm mafic lapilli set more mafic lapilli tuff with 10-15% mm mafic lapilli. Weal S1 at 40°. Randomly oriented mm-1 cm carbonate veinlets, 20/meter. Trace anhedral-subhedral pyrite.
			24.50	47.10	22.60	Fabric	Strong S1 at 50°.
			41.90			Cab-qtz-chl vein	6 cm carbonate-quartz-chlorite vein with weak sericite alteration. Incipient brecciation by chlorite phase. Ductile deformation forming chaotic texture. Trace fine grained pyrite overall with 3% coarse grained subhedral-euhedral pyrite for 7 cm on up-hole side. Vein at 25°.
46.24	48.77	2.53				Pyroclastic Flow	Medium green, fine grained, exhibiting flow texture and tuffaceous component. Upper contact gradational, lower contact sharp at 45°.
			47.24	48.24	1.00	Qtz-cab-chl vein	Very low angle 0.5-1.0 cm quartz-carbonate-chlorite vein with brecciation of host rock and vein into mm-cm fragments by chlorite hydrothermal phase. Moderate pervasive sericitization and carbonatization associated with vein. Trace-1% fine grained disseminated pyrite.
48.77	49.43	0.66				Tuff-Breccia	Same as previous. Section contains a 2 cm incipient quartz-carbonate vein with associated moderate-intense sericitization. Trace-1% fine grained disseminated anhedral-euhedral pyrite.
49.43	50.20	0.77				Hydrothermal Breccia	Intense brecciation of host volcanics by chlorite hydrothermal phase. Mm-cm fragments exhibiting moderate carbonatization in chaotic hairline-mm chlorite and sericite veinlet array. 3-5% disseminated fine grained pyrite. Upper contact sharp at 45°, lower contact sharp at 30°.
			50.10			hydro bx	20 cm section of very intense chlorite hydrothermal breccia. Strong carbonatization 7% disseminated fine-medium grained pyrite.
50.20	52.00	1.80				Lapilli Tuff-Breccia	Same as previous. No significant veins or mineralization.
52.00	52.77	0.77				Hydrothermal Breccia	Intense brecciation and strong carbonatization and sericitization resulting from hairline-mm chlorite and sericite veinlets. Sharp-gradational upper contact at

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-5						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
							50°. Gradational lower contact. 5% disseminated fine grained anhedral-euhedral pyrite.
52.77	114.23	61.46				Tuff-Breccia-Crystal Tuff	Variable interbedded cm-dm sections of pyroclastic facies. Late mm-1 cm carbonate veins at 20/meter.
			53.50			Qtz vein bx	Very low angle multi-branching 1 cm quartz vein brecciated by carbonate phase. No significant mineralization.
			54.40			Xtl qtz-cab vein	20 cm section with two 3 cm barren crystal quartz-carbonate veins, at 90°.
			55.65			Qtz-cab-chl vein	2 cm barren quartz-carbonate-chlorite vein at 30°.
			55.90			Xtl tuff	20 cm of quartz-feldspar crystal tuff.
			66.70			Shear	15 cm shear, at 40°. No significant mineralization.
			68.50			Xtl tuff	30 cm section of crystal tuff with submm-mm intact and broken feldspar phenocrysts.
			75.75			Qtz vein	1 cm quartz vein with 12 cm of intense silicification and strong pervasive chloritization. Late hairline dark black chlorite veinlets. 5% fine-coarse grained anhedral-euhedral pyrite especially associated with silicification. Vein at 80°.
			77.25			Xtl qtz-cab vein	3 cm barren crystal quartz-carbonate vein, at 90°.
			81.50			Qtz-cab vein	2 cm quartz-carbonate vein with 10 cm silicification halo. Quartz brecciated by carbonate phase. 3% fine grained anhedral-euhedral pyrite. Vein at 70°.
			83.00	83.70	0.70	Incp-stckwks	Incipient carbonate stockworks of randomly oriented mm carbonate veinlets.
			85.00	94.70	9.70	nsvm	Massive, no significant veins or mineralization.
			96.57			Qtz-cab vein	2.5 cm quartz-carbonate-chlorite vein, barren, at 70°.
			99.30			Cab-qtz vein	3 cm barren carbonate-quartz vein, at 60°.
			106.95			Qtz-cab-chl vein	2.5 cm barren quartz-carbonate-chlorite vein, at 45°.
			107.66			Cab-qtz-chl vein	2.5 cm carbonate-quartz-chlorite vein with 3% disseminated pyrite associated 2 cm halo on down-hole side. Vein at 45° with weak shear at 45°.
			108.25			Qtx vein bx	5 cm quartz vein breccia. Grey quartz vein brecciated by carbonate and chlorite. 3% fine-coarse grained anhedral-subhedral pyrite. Vein at 45°.
114.23	115.83	1.60				Andesitic Lapilli Tuff	Pale grey-green, massive with 10% mm mafic fragments.
115.83	117.00	1.17				Mafic Lapilli Tuff	Lithic tuff dominated by submm mafic clasts, 15%. Rare coarse grained secondary pyrite crystals.
117.00	119.50	2.50				Volcanic Tuff-breccia	Predominantly massive, weak carbonate veining.
119.50	135.75	16.25				Carbonate Stockworks	Sheared andesitic flow exhibiting chaotic random stockworks of hairline-mm carbonate veining, 100/meter. Upper contact zone defined by 5 cm quartz-carbonate vein with trace pyrite, at 50°.
						Shear	
			123.35			Sil	20 cm of intense silicification and chloritization. Incipient breccia formation by carbonate stockworks. 7% disseminated and semi-massive fine-medium grained pyrite. Upper contact at 90°, lower contact at 50°.
			124.35			Cab stckwks	Carbonate stockwork vein with trace pyrite.

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-5						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
			125.30			Cab-qtz veins	Two 1.5 cm subparallel carbonate-quartz veins, trace pyrite.
			126.50			Incp-bx cab-chl	30 cm of very chaotic carbonate-chlorite phase forming an incipient breccia of host rock. Trace-1% disseminated fine grained anhedral-euhedral pyrite.
			131.10			Qtz veins	20 cm section of multiple high angle 0.5-2.0 cm quartz veins brecciated by carbonate stockworks. 3% anhedral-euhedral disseminated fine grained pyrite. Veining at 70°.
			131.50			Pyrite	5 cm section with 3% intraformational disseminated and clustered pyrite.
			131.93			Qtz -cab veins, py, cp	1.5 cm grey quartz-carbonate vein at 80°. 5% disseminated anhedral-euhedral pyrite, trace chalcopyrite.
			133.20			Qtz vein	3 cm section of early grey quartz brecciated by sericite-carbonate phase then cut by carbonate stockworks. 7% disseminated and clustered anhedral-euhedral pyrite. Vein at 70°.
			133.50			Pyrite	13 cm of secondary pyrite and 7% anhedral-subhedral pyrite possibly related to chlorite cutting phase.
			135.20			Pyrite	3 cm section with 5% clustered secondary pyrite in flow.
			135.70			Pyrite	7 cm section with 7% disseminated and clustered secondary pyrite crystals.
135.75	136.94	1.19				Andesitic Tuff	Light green, massive. Almost complete absence of carbonate stockworks. Upper contact sharp, possibly fault controlled with 1 cm barren white quartz vein. Bottom 0.5 cm incipient carbonate-chlorite stockworks, trace fine grained clustered pyrite.
136.94	138.70	1.76				Crystal Tuff	Medium grey, massive. Very intermediate composition. Tuffaceous matrix supporting 10% submm-mm anhedral feldspar phenocrysts. Sharp upper and lower contacts.
			138.10			Cab-qtz vein	5 cm carbonate-quartz vein. 3% fine grained clustered pyrite. Vein at 45°
138.70	155.46	16.76				Andesitic Tuff	Medium green, much more mafic than upper unit. Mm-cm carbonate±epidote±sericite±quartz veins form ign stockworks at 60/meter.
			141.80			Qtz-cab vein	22-cm section with one 1 cm quartz-carbonate vein with 5% disseminated pyrite and several mm carbonate-quartz veins, some with stringer pyrite. Overall 7% disseminated anhedral-euhedral fine grained pyrite.
			144.00	145.00	1.00	Qtz-cab veins, cp	Three 1-5 cm multi-phase veins at 25°. First vein at 144.1 is a quartz-carbonate vein brecciated by carbonate phase and contains a ½ x ½ cm chalcopyrite mass. Overall 1% chalcopyrite. Second vein at 144.5 is carbonate-quartz brecciated by carbonate phase, and contains a 2 x 3 cm chalcopyrite mass. Overall 3% chalcopyrite, 1% disseminated pyrite. Third vein at 144.8 is a 5 cm smokey quartz-carbonate vein cut by a quartz-carbonate-epidote vein with trace pyrite.
			149.10			Qtz vein	20 cm section with low angle smokey quartz vein cut by carbonate-epidote veining 1% disseminated and clustered fine grained pyrite.
			150.00			Pyrite	10 cm of 3% secondary pyrite.
			151.40			Qtz vein	4 cm barren white quartz vein at 70°.

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-5						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From meters	To meters	Length meters	From meters	To meters	Length meters		
			151.80			Cab-qtz vein bx	20 cm with several mm-2 cm carbonate-quartz breccia veins, brecciation by carbonate phase. 7% disseminated and semi-massive pyrite. Overall veins are at 70°.
			152.00	152.70	0.70	Qtz-cab vein	Very low angle 3-5 mm smokey quartz-carbonate veins, trace pyrite.
155.46	157.70	2.24				Crystal Tuff	Medium grey, massive. 10% submm-mm anhedral-subhedral feldspar phenocrysts. High carbonate. Very intermediate composition. Sharp wavy upper contact at 90°. Sharp lower contact incorporating clast of lower tuff unit, at 80°. No significant veins or mineralization.
157.70	161.60	3.90				Andesitic Tuff	Medium green. Weak carbonate stockworks. Mm-1 cm carbonate±quartz±epidote veining. Rare stringer pyrite associated with veining.
161.60	165.90	4.30				Andesitic Tuff-Crystal Tuff	Very similar to unit from 155.46-157.70, but less crystal component. Very intermediate composition. High carbonate. Massive, medium grey. Upper contact sharp and embayed at low angle. No significant veins or mineralization.
165.90	177.60	11.70				Lapilli Tuff-Crystal Tuff	Medium green, massive. Mm mafic lapilli in andesitic tuffaceous matrix with crystal component of mm subhedral feldspar. Upper contact sharp-gradational and defined by a 5 cm carbonate-sericite chlorite vein with weak ductile deformation at 70°. 5% disseminated fine grained euhedral pyrite. Overall weak vein density at 20/meter.
			167.20			Qtz-cab vein	7 cm quartz-carbonate bifurcating vein. 3% disseminated fine grained pyrite in wall rock and 1% in vein. Vein at 60°.
			167.50			Qtz-cab vein	5 cm quartz-carbonate vein, 1% disseminated pyrite.
			168.59			Qtz-cab vein	1.5-2.0 cm quartz-carbonate vein, 10% disseminated and clustered fine grained pyrite. Vein at 70°.
			168.70			Cab-qtz vein	2 cm carbonate-quartz vein, trace fine grained pyrite. Vein at 70°.
			168.90			Qtz-cab vein	1 cm quartz-carbonate vein, 5% disseminated pyrite, trace galena. Vein at 70°.
			170.90			Qtz-cab vein	1 cm multi-branching quartz-carbonate vein along 20 cm section. Quartz brecciated by carbonate phase. Trace fine grained pyrite.
			171.00			Qtz-cab vein	5 mm quartz-carbonate vein with 10% disseminated fine grained euhedral pyrite.
177.60	181.23	3.63				Feldspar Porphyry	Medium grey-green, massive. 20% mm anhedral-euhedral, some zoned, white feldspar phenocrysts in aphanitic siliceous matrix. Trace fine grained disseminated pyrite. Upper contact sharp and carbonate-quartz veined and brecciated at 70°.
181.23	181.56	0.33				Andesitic Tuff	Typical, medium green, massive. No significant veins or mineralization.
181.56	182.37	0.81				Feldspar Porphyry	Same as previous.
182.37	183.00	0.63				Andesitic Tuff	Typical. Upper contact contains 20 cm quartz-carbonate vein brecciating host rock into mm-cm fragments assimilated by vein. Trace fine grained pyrite in wall rock. Vein at 70°.
183.00	189.70	6.70				Feldspar Porphyry	Same as previous. Generally massive with incipient stockwork of late mm-cm

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-5						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
189.70	190.00	0.30				Andesitic Tuff	carbonate+quartz veining. No significant mineralization. Massive, medium green. Upper contact defined by 1 cm quartz vein with four 3 mm euhedral pyrite crystals. 5% fine grained disseminated pyrite. Oriented at 90°.
190.00	196.27	6.27				Feldspar Porphyry	Predominantly feldspar porphyry with dm sections of tuff. Medium grey-green, generally massive.
			190.43			Qtz-chl-cab vein	1 cm quartz-chlorite-carbonate vein, 3% fine grained pyrite, 70°.
			190.80			Py-qtz-cab vein	5 mm pyrite-quartz-carbonate vein with 25% anhedral fine grained disseminated pyrite.
			191.42			Qtz vein	3 cm barren, white quartz vein at 80°.
			194.00	194.50	0.50	Ser-sil	0.5 meters of moderate sericitization and silicification with mm-0.5 cm concentrations of fine-coarse grained anhedral-euhedral pyrite associated with incipient quartz veining and one 2.5 cm quartz-carbonate vein brecciated by carbonate phase. 7% disseminated fine grained euhedral pyrite in vein, overall 3% pyrite in section. Vein at 70°.
196.27	206.80	10.53				Mafic Tuff	Dark green, fine grained with incipient carbonate-quartz stockworks. Late cm quartz-carbonate veins generally mineralized with disseminated pyrite. Veins oriented at 80-90°.
			197.56			Cab-qtz vein	5 mm carbonate-quartz vein with trace chalcopyrite and 3% disseminated fine grained euhedral pyrite. 3% pyrite in wall rock for 3 cm.
			197.70			Pyrite	15 cm section with 7% disseminated fine grained anhedral-euhedral pyrite associated with mm high angle quartz-carbonate veining.
			199.50			Cab-qtz-chl veins	30 cm section with five mm-3 cm sub-parallel carbonate-quartz-chlorite veins. Carbonate brecciating earlier quartz. 3% disseminated fine grained anhedral-subhedral disseminated pyrite. Veins at 90°.
			199.80			Cab-qtz-chl veins	2 cm carbonate-quartz-chlorite vein with 3% pyrite in vein and 5% medium grained pyrite in wall rock for 10 cm. Vein at 90°.
			200.25			Qtz-cab-chl vein	4 cm quartz-carbonate-chlorite ladder vein. Quartz leader with carbonate-chlorite cross-cutting. Trace-1% fine grained pyrite. Vein at 70°.
			200.70			Qtz-cab vein	8 cm section with multi-branching 1 cm quartz-carbonate veining. 10% fine grained disseminated pyrite. Overall vein orientations are at 70°.
			201.35			Cab-ser-chl-qtz vein	30 cm section of randomly oriented carbonate-sericite-chlorite-quartz vein micro-breccia. Quartz phase intensely brecciated. Veining variable in width from hairline-2 cm. No mineralization observed.
			202.47			Qtz-cab-chl vein	5 cm banded quartz-carbonate-chlorite vein with 7% disseminated fine grained euhedral pyrite. Vein at 80°.
			203.34			Cab-qtz-epd vein	4 cm carbonate-quartz-epidote vein at 70°. 10% disseminated pyrite in 3 cm vein halo.

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-5						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From meters	To meters	Length meters	From meters	To meters	Length meters		
			204.00			Cab vein	25 cm of mutli-branching chaotic mm carbonate veining. No significant mineralization.
			205.30			Cab-epd veins	20 cm section with several high angle carbonate-epidote veins. No significant mineralization.
			206.00	206.80	0.80	Cab-epd veins	Mm-cm low angle mult-branching carbonate-epidote veins. No significant mineralization.
206.80	209.00	2.20				Hornblende Gabbro	50% feldspar, 30-40% subhedral-euhedral mm amphibole crystals, 10% chlorite affecting crystals. Mesocratic, pink overtones due to pervasive hematization. 0.5 meter finer grained border phases with 1.2 meter coarse grained centre. Sharp upper contact at 90°, lower contact at 60°. Rare pyrite. Two low angle 1 cm quartz-carbonate-chlorite veins, barren, rare pyrite in wall rock.
209.00	221.00	12.00				Mafic Tuff	Dark green, massive. Mm-1cm carbonate±quartz±sericite veining forming a weak stockworks at 60/meter. Generally these veins are barren.
			212.05			Qtz-cab-chl vein	10 cm section with incipient quartz-carbonate-chlorite veining with 7% fine-medium grained disseminated subhedral pyrite.
			219.10			Cab-qtz vein	3 cm carbonate-quartz vein with 10 cm pyrite halo containing 7% disseminated pyrite. Vein at 80°.
221.00						EOH	End of hole.

Table with columns for Assay Samples (CL09-5, Duplicate Cat, Standard, From, To, Length, Sample No., Check No., Au, Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Hg, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Sr, Th, Ti, U, V, W, Zn) and rows for samples 1 through 83.

CL09-5		Assay Samples																																								
Cat	Duplicate Standard	From meters	To meters	Length meters	Sample No.	Check Sample No.	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
242	Blank	204.50	205.50	1.00	C165906	C165906	0.023	0.3	2.5	6	<10	<10	<0.5	<2	1.96	<0.5	30	113	253	4.41	<10	<1	0.01	<10	2.14	751	<1	0.03	61	260	<2	0.16	<2	3	40	<20	0.18	<10	<10	96	<10	31
243		205.50	206.20	0.70	C165907	C165907	0.037	0.2	2.41	2	<10	10	<0.5	2	0.96	<0.5	27	108	251	4.32	10	<1	0.02	<10	2.03	714	<1	0.03	58	280	<2	0.08	<2	3	38	<20	0.18	<10	<10	98	<10	45
244		206.20	206.80	0.60	C165908	C165908	0.072	<0.2	2.34	5	<10	10	<0.5	<2	1.35	<0.5	21	116	91	4.13	10	<1	0.02	<10	1.89	681	<1	0.03	54	270	<2	0.01	<2	4	60	<20	0.17	<10	<10	86	<10	55
245		206.80	207.50	0.70	C165909	C165909	<0.005	0.2	1.35	5	<10	30	<0.5	<2	2.48	<0.5	17	78	52	2.56	<10	<1	0.06	10	1.13	449	<1	0.07	16	1650	3	0.16	<2	3	118	<20	0.17	<10	<10	50	<10	35
246		207.50	208.50	1.00	C165911	C165911	0.007	<0.2	1.61	14	<10	30	<0.5	<2	2.89	<0.5	16	117	32	2.81	10	<1	0.06	10	1.41	525	<1	0.07	23	1540	3	0.08	<2	3	117	<20	0.15	<10	<10	53	<10	44
247		208.50	209.00	0.50	C165912	C165912	0.007	<0.2	1.5	4	<10	20	<0.5	<2	2.88	<0.5	15	74	33	2.71	10	<1	0.05	10	1.24	453	<1	0.06	18	1650	2	0.16	<2	3	111	<20	0.18	<10	<10	51	<10	35
248		209.00	210.00	1.00	C165913	C165913	0.029	0.2	2.42	8	10	<10	<0.5	<2	2.34	<0.5	27	120	200	4.3	<10	<1	0.01	<10	1.96	703	<1	0.03	56	280	<2	0.14	<2	3	41	<20	0.18	<10	<10	92	<10	38
249		210.00	211.00	1.00	C165914	C165914	0.025	0.2	2.63	2	<10	<10	<0.5	<2	1.59	<0.5	28	117	122	4.6	<10	<1	0.01	<10	2.25	748	<1	0.03	61	270	<2	0.04	<2	3	29	<20	0.19	<10	<10	94	<10	34
250		211.00	211.75	0.75	C165915	C165915	0.032	0.3	2.64	8	<10	<10	<0.5	<2	2.68	<0.5	28	104	113	4.49	<10	<1	0.01	<10	2.1	732	<1	0.03	61	250	<2	0.17	<2	4	36	<20	0.23	<10	<10	96	<10	34
251		211.75	212.25	0.50	C165916	C165916	0.1	0.6	2.9	32	<10	<10	<0.5	<2	3.26	<0.5	55	106	650	5.71	10	<1	0.01	<10	2.32	841	<1	0.02	75	380	2	0.89	<2	3	32	<20	0.17	<10	<10	93	<10	40
252		212.25	213.00	0.75	C165917	C165917	0.03	<0.2	2.78	10	<10	<10	<0.5	<2	1.53	<0.5	29	116	158	4.91	<10	<1	0.01	<10	2.33	738	<1	0.03	61	260	<2	0.15	<2	4	25	<20	0.18	<10	<10	102	<10	36
253		213.00	214.00	1.00	C165918	C165918	0.012	<0.2	2.42	15	10	<10	<0.5	<2	2.03	<0.5	28	89	163	4.13	<10	<1	0.01	<10	1.87	598	<1	0.02	57	230	<2	0.16	<2	3	36	<20	0.19	<10	<10	85	<10	29
254		214.00	215.00	1.00	C165919	C165919	0.016	0.2	2.57	9	30	<10	<0.5	<2	1.94	<0.5	29	97	139	4.55	10	<1	0.01	<10	2.08	621	1	0.03	61	270	8	0.25	<2	4	28	<20	0.21	<10	<10	91	<10	33
255		215.00	216.00	1.00	C165921	C165921	0.007	<0.2	2.33	7	10	<10	<0.5	<2	1.69	<0.5	27	78	114	4.2	<10	<1	0.01	<10	1.87	582	1	0.03	57	250	<2	0.16	<2	3	30	<20	0.2	<10	<10	81	<10	27
256		216.00	217.00	1.00	C165922	C165922	0.158	0.2	2.63	4	<10	<10	<0.5	2	3.85	<0.5	28	105	110	4.78	10	<1	0.01	<10	2.09	738	3	0.03	61	240	<2	0.36	<2	5	34	<20	0.2	<10	<10	102	<10	32
257		217.00	218.00	1.00	C165923	C165923	0.051	0.2	2.37	5	<10	10	<0.5	<2	1.41	<0.5	27	83	104	4.32	10	<1	0.03	<10	1.89	645	<1	0.03	58	250	<2	0.17	<2	3	24	<20	0.18	<10	<10	84	<10	26
258		218.00	219.00	1.00	C165924	C165924	0.019	<0.2	2.46	4	<10	<10	<0.5	<2	2.09	<0.5	28	94	120	4.34	10	<1	0.01	<10	2.01	667	<1	0.03	57	250	<2	0.09	<2	4	32	<20	0.16	<10	<10	87	<10	26
259		219.00	220.00	1.00	C165925	C165925	0.146	<0.2	2.42	12	<10	<10	<0.5	<2	3.25	<0.5	27	94	214	4.41	10	<1	0.01	<10	2.02	641	1	0.04	59	260	9	0.45	<2	4	30	<20	0.18	<10	<10	86	<10	29
260		220.00	221.00	1.00	C165926	C165926	0.019	<0.2	2.98	24	20	<10	<0.5	<2	2.39	<0.5	37	132	262	5.02	10	<1	0.01	<10	2.5	672	1	0.03	75	260	<2	0.19	<2	4	27	<20	0.2	<10	<10	99	<10	31

Meterage Intervals of NQ Core per Box								
CL09-5	Meterage							
Box #	From	To	Meters					
1	4.00	8.60	4.60					
2	8.60	12.57	3.97					
3	12.57	16.78	4.21					
4	16.78	20.91	4.13					
5	20.91	24.89	3.98					
6	24.89	28.90	4.01					
7	28.90	33.06	4.16					
8	33.06	37.20	4.14					
9	37.20	41.38	4.18					
10	41.38	45.40	4.02					
11	45.40	49.65	4.25					
12	49.65	53.72	4.07					
13	53.72	57.90	4.18					
14	57.90	62.00	4.10					
15	62.00	66.25	4.25					
16	66.25	70.53	4.28					
17	70.53	74.63	4.10					
18	74.63	78.82	4.19					
19	78.82	83.00	4.18					
20	83.00	87.20	4.20					
21	87.20	91.40	4.20					
22	91.40	95.54	4.14					
23	95.54	99.76	4.22					
24	99.76	104.00	4.24					

Lithology			Rock	Mineralization Style	Alteration Minerals						V-density		Sulphides %							Total	From	To	Width	Au	Ag	Cu	Mo	Pb	Zn	As																						
From	To	Sample No	Code		K	Ch	Se	Si	Cb	Hm	QV	CV	Au	Po	Cp	Ga	Ap	Py	Oth		m	m	m	ppm	ppm	ppm	ppm	ppm	ppm																							
140.80			EOH	End of hole																																																

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-6						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
0.00	2.50	2.50				Overburden	Casing
2.50	10.90	8.40				Volcanic Tuff-breccia	Moderate dark green. Variable interbedded sequence of mafic tuff and volcanic breccia. Tuff characterized by submm mafic dominant clast component with 10% felsic clasts. Breccia clasts are mm-cm angular to round felsic lapilli containing mafic fragments. Variable pervasive hematization of felsic lapilli imparting pink overtones to clasts.
			3.13			qtz-cab vn	5-8 mm barren, white quartz-carbonate vein, at 70°.
			4.00	10.90			Incipient stockworks, random vein network.
			4.28			qtz-cab vn	1.5 cm barren, white quartz-carbonate vein, at 90°.
			4.70			qtz-cab-chl vn	20 cm section of low angle quartz-carbonate-chlorite vein breccia incorporating mm-cm inclusions of host rock. 3% disseminated fine grained pyrite.
			6.67			qtz-cab vn	1 cm quartz-carbonate vein, quartz brecciated by carbonate phase. 10% disseminated anhedral-subhedral fine grained pyrite associated with vein. 3% pyrite in 4 cm alteration halo. Vein at 50°.
			5.50	6.00	0.50	bc	Broken core. Low angle fault.
			6.70			qtz-cab vn	1 cm quartz-carbonate vein, 10% disseminated pyrite, 45°.
			6.90			qtz-cab vn	1 cm smokey, quartz-carbonate ven. 3% disseminated anhedral pyrite, 40°.
			7.00	10.00	3.00	bc	Broken core.
10.90	12.33	1.43				Mafic Tuff	Dark green, massive. Submm mafic dominant clasts and less andesitic clasts. with continuation of incipient stockworks veining.
			11.60			cab-qtz-chl vn	Very low angle 2 cm carbonate-quartz-chlorite vein breccia incorporating mm-0.5 mm inclusions of host rock. Trace fine grained disseminated pyrite.
12.33	13.30	0.97				Volcanic Breccia	Same as previous but cm felsic lapilli lack hematization. Lower contact sharp at 20°. Stockworks veining present as mm-cm scale veins.
13.30	18.00	4.70				Andesitic Tuff	Medium green-grey, bedded. Tuff dominated by andesitic clasts. S0 at 60°, along cm sections. Mm-cm scale veining forming incipient stockworks.
18.00	18.70	0.70				Quartz Vein	Section with 6 cm quartz-carbonate-chlorite vein breccia at 30° and cm sections of incipient quartz veining and silicification and sericite alteration. Overall 10% sulphides, 8% pyrite, 1% chalcopyrite, 0.5% galena. Part of incipient stockworks.
18.70	19.20	0.50				Fault Zone	Fault zone defined by cm slip planes and mm-cm quartz-carbonate and chlorite veins / bands in strong ductile fabric, at 20°. 1% disseminated fine grained pyrite.
19.20	40.08	20.88				Andesitic Lapilli Tuff	Medium green-grey. Massive. Andesitic tuff with 10-15% angular mm mafic fragments.
			19.20	22.00			Stockworks system defined by cm-scale quartz-carbonate veining.
			19.80			qtz-cab-chl vn	30 cm section of multiple cm quartz-carbonate-chlorite vein breccia. Hosting 10% disseminated and clustered fine grained anhedral-euhedral pyrite, trace galena

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-6						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
							and rare chalcopyrite. Veins at 40-45°.
			20.20			cab-qtz-chl vn	Barren carbonate-quartz-chlorite vein, 40°.
			21.80			cab-qtz-chl-ser vn	1 cm carbonate-quartz-sericite-chlorite vein, barren at 25°.
			34.20			qtz vn	1 cm barren, white quartz vein.
			37.05			qtz-cab vn	1 cm white, quartz-carbonate vein. Trace fine grained pyrite.
40.08	42.18	2.10				Feldspar Porphyry	Intensely chloritized with exception of upper 15 cm where protolith is beige-white with subhedral feldspar crystals that exhibit variable chloritization. Beyond this section extensive chloritization of matrix and phenocrysts. 40% feldspar phenocrysts in fine grained siliceous matrix. Upper contact sharp at 45°, lower contact sharp at 50°. No significant veins or mineralization.
42.18	46.56	4.38				Crystal Tuff-Tuff	Interbedded feldspar crystal tuff with dm sections of massive mafic tuff. 30% feldspar phenocrysts, some broken, in tuffaceous matrix. Upper contact gradational.
			42.26			cab-qtz vn	2-5 mm carbonate-quartz vein at 55°, 0.5% mm pyrite.
			43.85			qtz-cab vn	1 cm quartz-carbonate vein with 0.5% chalcopyrite in mm cluster. Vein is multi-branching with variable orientation, averaging 45°.
46.56	52.85	6.29				Andesitic Lapilli Tuff-Tuff	30% submm-mm mafic fragments in andesitic tuff matrix, dm section of tuff.
			48.05			qtz-cab-chl vn	2 cm quartz-carbonate-chlorite vein. 7% disseminated and clustered fine-medium grained anhedral-subhedral pyrite. Vein at 25°.
			49.88			cab-qtz-hem vn bx	10 cm carbonate-quartz-hematite vein breccia. 10% fine grained anhedral-euhedral disseminated and clustered pyrite. Weak sericitization. Vein at 35°.
			51.00			sil+ga	30 cm section of intense silicification and moderate sericitization with a 1 cm very low angle quartz-carbonate micro-breccia vein. Diffuse mm galena mineralization. Overall 7% disseminated anhedral-euhedral pyrite, 1% galena. Weak fuchsite development. Overall orientation of silicification is 30°.
52.85	56.55	3.70				Mafic Flow-Tuff	Dark green, massive. Randomly oriented mm chlorite veining imparting an incipient crackle breccia. Upper contact is 15-20 cm of intense randomly oriented carbonate-quartz veining. Intermixed dm sections of tuffaceous material.
			55.45			qtz-cab-chl vn	3 cm quartz-carbonate-chlorite vein, rare chalcopyrite. Pyrite mineralization largely restricted to 20 cm alteration halo, at 90°.
			56.40			cab-qtz-chl vn	40 cm carbonate-quartz-chlorite vein, 3% disseminated fine grained anhedral-euhedral pyrite. Vein at 45°.
56.55	58.62	2.07				Mafic Tuff-Lapilli Tuff	Dark green, massive. Dm sections of mafic tuff and breccia.
			56.70	58.62	1.92	py	5% mm-cm intraformational pyrite clusters.
			57.84			qtz-cab vn	5 cm bifurcating quartz-carbonate vein at 90°. No mineralization observed.
			58.14			cab-qtz vn	1 cm carbonate-quartz vein at 90°, 3% pyrite.
58.62	60.25	1.63				Mafic Flow	Upper part massive. Lower 0.5 meters chlorite crackle breccia. Upper contact sharp-gradational over 15 cm. Lower contact defined by 15 cm of ductile

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-6						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
							deformation fabric of alternating mm bands of chlorite and quartz-carbonate. 10-15% clustered and weakly banded pyrite.
60.25	66.03	5.78				Andesitic Tuff	Medium green-grey. Late mm-1 cm carbonate-quartz+epidote veinlets in random array with cm vein at preferred orientation of 90°. No significant mineralization.
			65.40			qtz-cab vn	4 cm white, barren, quartz-carbonate vein, at 30°.
66.03	67.95	1.92				Mafic Tuff	Dark green, massive. Upper contact defined by 1 cm carbonate-quartz-chlorite vein at 60°. Lower contact sharp at 60°. No mineralization observed.
			67.00	67.95	0.95	py	Intraformational pyrite forming weak stringers and vein clusters.
			67.46			qtz-cab amp vn	2 cm quartz-carbonate-amphibole vein at 50°. No significant mineralization.
67.95	69.24	1.29				Crystal Tuff-Tuff	Interbedded feldspar crystal tuff and mafic tuff. Upper ½ meter especially heavy with feldspar phenocrysts up to 15%. Gradational change to mafic tuff dominant in lower meter.
69.24	69.81	0.57				Mafic Tuff	Dark green. Mm-2 cm carbonate-quartz stockworks. Secondary pyrite in wall rock.
69.81	71.53	1.72				Volcanic Conglomerate	Heterolithic conglomerate made up of angular to round mm-cm chert, feldspar porphyry, mafic tuff, mafic lapilli tuff and lithic tuff clasts. Clast supported in volcanic poorly sorted gritty matrix. No significant veins or mineralization. Upper contact defined by carbonate-quartz-chlorite vein breccia along 25 cm. Lower contact sharp at 20° and also contains 2 cm barren, carbonate-quartz vein.
71.53	86.07	14.54				Mafic Tuff	Dark green, massive.
			72.00			qtz-cab-amp vn	20 cm section of multi-branching mm-1 cm quartz-carbonate-amphibole veining. No mineralization observed.
			74.70			cab-qtz-chl vn bx	4 cm carbonate-quartz-chlorite vein breccia at 50°, trace pyrite.
			76.20			qtz-cab vn	10 cm barren, white, quartz-carbonate vein at 30°.
			76.80	77.80	1.00	py	Mm-cm clusters and semi-massive pyrite, 10% through section. Not related to veining.
			81.23			cab-qtz vn	30 cm section with three sub-parallel 0.5-1.5 cm carbonate-quartz veins. 5% disseminated anhedral-euhedral fine grained pyrite associated with veining and wall rock. Weak sericite alteration. Oriented at 30°.
			82.40			cab-qtz-chl vn bx	30 cm section with 8 cm carbonate-quartz-chlorite vein breccia. Host rock brecciated into mm-cm fragments and bands. 3% fine grained anhedral-euhedral pyrite. Oriented at 35°.
			83.60			qtz-cab vn bx	20 cm section with quartz-carbonate vein breccia. Host volcanic brecciated into mm-cm fragments. Flow fabric in vein at 30°. No significant mineralization.
			84.00	85.00	1.00	lnpt cab-qtz vn	Mm-cm concentrations of pyrite associated with carbonate-quartz incipient vein formation.
86.07	86.80	0.73				Crystal Tuff-Tuff	Sharp-gradational transition to narrow section of feldspar crystal tuff. Incipient mm carbonate stockworks. No significant mineralization.

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-6						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
86.80	87.70	0.90				Andesitic Tuff	Medium green-grey. Weak stockworks of mm random carbonate-quartz veinlets. Trace pyrite. Lower contact, 7cm of carbonate-quartz veining with 5% disseminated anhedral-euhedral pyrite. At 50°.
87.70	89.18	1.48				Chert-Cherty Tuff	Pale medium grey-green. Dm sections of grey-green bedded chert interbedded with andesitic tuff. Bedding in chert is at mm-scale at 80°. No significant veins or mineralization. Lower contact gradational.
89.18	90.07	0.89				Andesitic Tuff	Medium green, massive. No significant veins or mineralization. Lower contact gradational.
90.07	91.30	1.23				Chert-Exhalite	Predominantly weakly bedded chert with dm sections of tuff. Lower contact gradational. Late mm-cm carbonate veins at high angles. No mineralization observed.
91.30	93.90	2.60				Andesitic Tuff	Medium green, massive.
			92.86			qtz-cab vn	2 cm barren, white, quartz-carbonate vein at 35°, cutting earlier mm-cm random oriented carbonate-quartz veins. No mineralization observed.
93.90	98.67	4.77				Chert-Tuff	Dm-meter sections of bedded chert interbedded with andesitic tuff. Weak slump features indicate tops up-hole. Mm-cm compositional bedding at 65°. Late mm randomly oriented carbonate veinlets forming an incipient breccia. No significant mineralization.
98.67	101.52	2.85				Crystal Tuff	15% submm-mm anhedral-euhedral white feldspar crystals in andesitic tuffaceous matrix. Some crystals are broken. Upper and lower contact sharp-gradational.
			99.40			qtz-cab vn	1 cm quartz-carbonate vein at very low angle, cut along 40cm. 1% fine grained disseminated pyrite.
101.52	102.50	0.98				Chert-Tuff	Intermixed package of chert and tuff with intraformational brecciation of chert. No significant veins or mineralization.
102.50	114.36	11.86				Mafic Tuff	Medium dark green, massive. Upper contact gradational. Weak stockworks resulting from mm carbonate-quartz veinlets.
			103.30			py	20 cm section with mm-cm stringer and massive pyrite concentrations associated with carbonate phase veining. Overall 15% pyrite.
			104.10			py	10 cm section with mm clustered pyrite associated with carbonate phase. 5% pyrite.
			105.73			py	3 cm section with mm clustered pyrite associated with carbonate phase. 5% pyrite.
			108.00			qtz-cab vns	40 cm section of low angle multiple 5 mm-1 cm quartz-carbonate veining, in subparallel orientation at 20°. 3% disseminated and clustered anhedral-euhedral pyrite associated with veining and wall rock.
			108.60			qtz-cab-ser vn bx	12 cm quartz-carbonate-sericite vein breccia at 45°. Wall rock becciated into angular and sub-rounded mm-cm inclusions. Rare fine grained pyrite. One 2 cm

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-6						Major Lithology (bold) Minor Feature (regular)	Description
Major Lithology			Minor unit/feature				
From meters	To meters	Length meters	From meters	To meters	Length meters		
							hematized quartz-carbonate vein with 3% pyrite at 45°.
			109.45			phxts	25 cm section of 30% submm-mm feldspar phenocrysts. Sharp gradational transition.
			110.40			cab-qtz vn bx	20 cm section of very low angle carbonate-quartz vein breccia. No significant mineralization.
			112.50			cab vn bx	30 cm section with chaotic carbonate vein breccia. 5% disseminated and clustered fine grained pyrite. Generally oriented at 45°.
114.36	120.55	6.19				Mafic Flow	Dark green, massive. Late mm randomly oriented carbonate-quartz veins forming weak stockworks.
			120.00			qtz-cab vn	3 cm quartz-carbonate vein at 45° with 40 cm coarse grain subhedral pyrite alteration selvage.
120.55	125.55	5.00				Feldspar Porphyry	Massive, grey-green. Upper 1.5 cm dominated by 25% submm-mm white anhedral-euhedral feldspar phenocrysts beyond which down-hole feldspar population diminishes to 10-15%. Aphanitic siliceous matrix. Upper contact broken core, lower contact sharp at 20°.
125.55	128.07	2.52				Pyroclastic Flow	Medium green, massive. Mixture of tuff and chloritized feldspar phenocrysts. No significant veins or mineralization. Lower contact sharp at 70°.
128.07	129.30	1.23				Mafic Flow	Dark green. Mm randomly oriented carbonate veinlets.
			128.45			Inpt cab-qtz vns	40 cm section of mm-cm incipient carbonate-quartz veining and carbonate-quartz vein breccia. Minor mm sericite-carbonate veining. 15% disseminates, clustered and stringer pyrite. Overall orientation at 60°.
			129.00	129.30	0.30	Inpt cab-qtz vns	Incipient carbonate-quartz veinlets with mm clustered pyrite. Overall 5%.
129.30	130.50	1.20				Silicification Zone	Beige, massive. Intense silicification with 10-15% disseminated and mm clustered fine-medium grained anhedral-euhedral pyrite. Upper contact gradational, lower contact sharp at 40°.
130.50	134.50	4.00				Hornblende Gabbro	Dark green, massive. Intensely chloritized. 30% hornblende crystals. Possibly subvolcanic. Rare subhedral medium grained pyrite. Lower contact sharp at 80°.
134.50	140.80					Mafic Flow	Dark green, massive. Late mm-1 cm carbonate-quartz±epidote veinlets forming weak stockwork array. No significant mineralization.
140.80						End of hole	

Meterage Intervala of NQ Core per Box								
CL09-6	Meterage							
Box #	From	To	Meters					
1	2.50	6.40	3.90					
2	6.40	10.50	4.10					
3	10.50	14.90	4.40					
4	14.90	19.15	4.25					
5	19.15	23.41	4.26					
6	23.41	27.53	4.12					
7	27.53	31.70	4.17					
8	31.70	35.98	4.28					
9	35.98	40.14	4.16					
10	40.14	44.03	3.89					
11	44.03	48.30	4.27					
12	48.30	52.42	4.12					
13	52.42	56.61	4.19					
14	56.61	60.65	4.04					
15	60.65	65.13	4.48					
16	65.13	69.33	4.20					
17	69.33	73.61	4.28					
18	73.61	77.77	4.16					
19	77.77	82.13	4.36					
20	82.13	86.36	4.23					
21	86.36	90.59	4.23					
22	90.59	94.98	4.39					
23	94.98	99.14	4.16					
24	99.14	103.20	4.06					
25	103.20	107.50	4.30					
26	107.50	111.80	4.30					
27	111.80	116.00	4.20					
28	116.00	120.24	4.24					
29	120.24	124.40	4.16					
30	124.40	128.63	4.23					
31	128.63	133.00	4.37					
32	133.00	137.20	4.20					
33	137.20	140.80	3.60					

Mineral - Alteration Log														ALTERATION LEGEND			MINERAL LEGEND				MIN STYLE												
Mantis Mineral Corp.														UTM NAD 83		Drilled by: RONKOR		Dip Tests		LITHOLGOGY LEGEND								K	Potassic	Au	Gold	1	weak
Hole Id		CL09-07		Easting	373870	Watershed, ON		m	Angl	CODE	UNIT	CODE	UNIT	Ch	Chloritic	Po	Pyrrhotite	3	moderate														
Started		July 28, 2009		Mine Grid		Logged S.Ewanchuk		EOH	-45	OV	Overburden	MF	Mafic Flow	Se	Sericitic	Cp	Chalcopyrite	5	strong														
Finished		July 30, 2009		Easting	10330	Elevation				LTF	Lapilli Tuff	VC	Volcanic Conglomerate	Si	Silicic	Ga	Galena	vn	vein														
Claim No.		4203295		Northing	1101.4	Recovery		100%		FP	Feldspar Porphyry	BX	Breccia	Hm	Hematitic	Py	Pyrite	stkwk	stockwork														
Township: Swayze		Length		185.5m		Core storage site: Noelville,				VBX	Volcanic Breccia	GAB	Gabbro	QV	Quartz veins	T	Trace	mass	massive														
Size	NQ	47mm	Azimuth	0160		Ontario				SHR	Shear	M	Mafic	CV	Carbonate veins	X	Present	str	stringer														
Units	Metric	Dip collar	-45							XLTF	Crystal Tuff	I	Intermediate	METERAGE			SELECT ASSAYS FROM ASSAY LOG																
Lithology			Rock	Mineralization Style		Alteration Minerals						Sulphides %						Total	From	To	Width	Au	Ag	Cu	Mo	Pb	Zn	As					
From	To	Sample No	Code	K	Ch	Se	Si	Cb	Hm	QV	CV	Au	Po	Cp	Ga	Ap	Py	Oth		m	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm				
0.00	6.00		OV																	0.00	6.00	6.00											
6.00	7.00	G0780312	VBX/TF	diss					X								T		T	6.00	7.00	1.00	0.426	<0.2	69	1	<2	28	3				
7.00	8.00	G0780313	VBX/TF																	7.00	8.00	1.00	0.071	<0.2	21	<1	<2	44	6				
8.00	9.00	G0780314	VBX/TF					1			1									8.00	9.00	1.00	0.030	<0.2	6	1	<2	42	2				
9.00	10.00	G0780315	VBX/TF																	9.00	10.00	1.00	0.045	<0.2	57	<1	2	41	2				
10.00	11.00	G0780316	VBX/TF	diss, qz vn						1							T		T	10.00	11.00	1.00	0.201	<0.2	64	1	<2	40	2				
11.00	12.00	G0780317	VBX/TF	diss						1							T		T	11.00	12.00	1.00	0.075	<0.2	50	1	<2	39	4				
12.00	13.00	G0780318	VBX/TF					1												12.00	13.00	1.00	0.016	<0.2	33	<1	<2	40	2				
13.00	14.00	G0780319	VBX/TF	diss													T		T	13.00	14.00	1.00	0.019	<0.2	5	1	2	38	4				
14.00	15.00	G0780321	TF	diss							1						T		T	14.00	15.00	1.00	0.146	<0.2	5	1	<2	42	6				
15.00	16.00	G0780322	TF	cb vn, diss						2	3						T		T	15.00	16.00	1.00	1.290	0.2	133	2	3	39	4				
16.00	17.00	G0780323	TF	diss				1			3						0.5		0.5	16.00	17.00	1.00	0.832	0.5	431	2	<2	54	6				
17.00	18.00	G0780324	TF	diss							2						0.5		0.5	17.00	18.00	1.00	0.251	<0.2	117	1	2	48	5				
18.00	18.70	G0780325	TF																	18.00	18.70	0.70	0.257	<0.2	53	2	<2	64	6				
18.70	19.50	G0780326	VBX	diss							1						T		T	18.70	19.50	0.80	0.678	<0.2	99	1	4	68	3				
19.50	20.50	G0780327	VBX	diss, cb vn							5						0.5		0.5	19.50	20.50	1.00	1.420	<0.2	43	6	7	69	6				
20.50	21.50	G0780328	VBX	diss							1						T		T	20.50	21.50	1.00	0.171	<0.2	117	4	4	51	6				
21.50	22.00	G0780329	VBX	diss							1			T					T	21.50	22.00	0.50	0.448	0.7	849	2	16	40	6				
22.00	23.00	G0780331	TF-XLTF	diss, stkwk						1	5						T		T	22.00	23.00	1.00	0.009	<0.2	14	1	6	41	7				
23.00	24.00	G0780332	TF-XLTF								2									23.00	24.00	1.00	0.019	<0.2	222	2	7	48	7				
24.00	25.00	G0780333	TF-XLTF								3									24.00	25.00	1.00	0.017	<0.2	106	1	3	44	5				
25.00	26.00	G0780334	TF-XLTF								3									25.00	26.00	1.00	0.026	<0.2	141	1	<2	46	3				
26.00	27.00	G0780335	TF-XLTF	qz vn, stkwk						2	4						T		T	26.00	27.00	1.00	0.018	<0.2	59	1	<2	40	8				
27.00	27.50	G0780336	TF-XLTF	cb qz vn, diss, stkwk						1	2						2.0		2.0	27.00	27.50	0.50	0.032	<0.2	183	1	<2	52	2				
27.50	28.00	G0780337	TF-XLTF	diss, cb vn							1						0.5		0.5	27.50	28.00	0.50	0.009	<0.2	31	2	3	54	3				
28.00	29.00	G0780338	TF-XLTF	diss, stkwk			1	1	1		4						1.0		1.0	28.00	29.00	1.00	0.615	0.3	359	7	6	24	14				
29.00	30.00	G0780339	TF-XLTF				X		X		1									29.00	30.00	1.00	0.260	0.2	141	1	<2	37	4				
30.00	30.50	G0780341	TF-XLTF																	30.00	30.50	0.50	0.140	<0.2	272	1	2	25	3				
30.50	31.50	G0780342	VBX								1									30.50	31.50	1.00	0.307	0.2	449	2	2	26	6				
31.50	32.50	G0780343	VBX								2									31.50	32.50	1.00	0.227	<0.2	144	1	5	32	4				
32.50	33.27	G0780344	VBX								2									32.50	33.27	0.77	0.160	<0.2	125	2	7	31	3				
33.27	34.00	G0780345	TF								1									33.27	34.00	0.73	0.202	<0.2	55	1	<2	23	5				
34.00	34.80	G0780346	TF								2							Ep=1		34.00	34.80	0.80	0.191	<0.2	38	1	<2	29	5				
34.80	35.51	G0780347	VBX	diss				1			3						T		T	34.80	35.51	0.71	0.206	<0.2	24	1	<2	40	4				
35.51	36.13	G0780348	VBX	diss, cb vn				1			1						T		T	35.51	36.13	0.62	0.484	0.2	349	1	<2	50	2				
36.13	37.00	G0780349	TF	diss													T		T	36.13	37.00	0.87	0.070	<0.2	186	1	<2	49	3				
37.00	38.00	G0780351	TF	diss							3						0.5		0.5	37.00	38.00	1.00	0.030	<0.2	69	1	<2	54	3				
38.00	39.00	G0780352	TF	diss, qz vn						2	4						1.0		1.0	38.00	39.00	1.00	0.109	1.2	1075	3	<2	55	3				
39.00	40.00	G0780353	TF	diss							4			T			T		T	39.00	40.00	1.00	0.155	<0.2	400	1	<2	48	<2				
40.00	41.00	G0780354	TF	diss							5						0.5		0.5	40.00	41.00	1.00	0.071	<0.2	149	1	<2	32	5				
41.00	42.27	G0780355	TF								4									41.00	42.27	1.27	0.109	<0.2	92	1	<2	30	2				
42.27	43.00	G0780356	MLTF							1	5									42.27	43.00	0.73	0.031	<0.2	9	1	<2	39	4				
43.00	44.00	G0780357	MLTF					1			6									43.00	44.00	1.00	0.010	<0.2	8	1	<2	38	2				
44.00	45.00	G0780358	MLTF					2			1									44.00	45.00	1.00	0.010	<0.2	10	1	<2	38	2				
45.00	46.00	G0780359	MLTF	cb vn, diss				1		3	5						T		T	45.00	46.00	1.00	0.056	<0.2	9	4	2	40	3				
46.00	47.00	G0780361	MLTF	diss							4			0.5			T		0.5	46.00	47.00	1.00	0.006	<0.2	15	<1	<2	42	19				

Lithology			Rock	Mineralization Style	Alteration Minerals								Sulphides %							Total	From	To	Width	Au	Ag	Cu	Mo	Pb	Zn	As	
From	To	Sample No	Code		K	Ch	Se	Si	Cb	Hm	QV	CV	Au	Po	Cp	Ga	Ap	Py	Oth		m	m	m	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
152.00	152.65	G0780486	MF	diss, cb vn		4			1			7						0.5		0.5	152.00	152.65	0.65	0.030	<0.2	300	1	<2	67	49	
152.65	153.30	G0780487	MF	diss		4			3			5						T		T	152.65	153.30	0.65	0.010	<0.2	248	<1	<2	77	43	
153.30	154.00	G0780488	TF	diss		4			2			2						T		T	153.30	154.00	0.70	0.014	<0.2	157	<1	<2	40	18	
154.00	155.00	G0780489	TF	diss, cb vn		4						6						2.0		2.0	154.00	155.00	1.00	0.007	<0.2	40	1	<2	23	6	
155.00	156.00	G0780491	TF	diss		4			2			3						0.5		0.5	155.00	156.00	1.00	0.007	0.2	24	<1	<2	38	<2	
156.00	157.00	G0780492	TF	diss		4			2			3						0.5		0.5	156.00	157.00	1.00	0.015	<0.2	12	<1	<2	45	11	
157.00	158.00	G0780493	TF	diss		4			1			3						T		T	157.00	158.00	1.00	0.020	<0.2	24	1	<2	43	9	
158.00	158.90	G0780494	TF	diss		4			2			4						T		T	158.00	158.90	0.90	0.015	<0.2	23	<1	<2	35	8	
158.90	160.00	G0780495	MF	diss, cb vn		4			3			6						0.5		0.5	158.90	160.00	1.10	0.018	<0.2	121	1	<2	81	4	
160.00	161.00	G0780496	MF	diss		4			1			12						T		T	160.00	161.00	1.00	0.018	<0.2	210	2	<2	69	3	
161.00	162.00	G0780497	MF	diss		4	X		3			8						T		T	161.00	162.00	1.00	0.109	<0.2	198	2	<2	61	3	
162.00	163.00	G0780498	MF	cb vn, diss		4	3		1			15						T		T	162.00	163.00	1.00	0.036	<0.2	74	<1	2	48	<2	
163.00	164.00	G0780499	MF			4	1		1		3	12									163.00	164.00	1.00	0.033	<0.2	213	<1	<2	51	7	
164.00	165.00	N657551	MF	diss, cb vn		4	1		3			8						0.5		0.5	164.00	165.00	1.00	0.024	<0.2	196	<1	<2	52	7	
165.00	166.00	N657552	MF	diss		4			3			8						T		T	165.00	166.00	1.00	0.032	<0.2	151	<1	<2	65	3	
166.00	167.00	N657553	MF	diss, mm mass		4						2						2.5		2.5	166.00	167.00	1.00	0.011	<0.2	193	1	3	34	42	
167.00	168.00	N657554	MF	diss, qz vn		4	1		3		1	6						1.0		1.0	167.00	168.00	1.00	0.078	0.4	82	<1	2	58	8	
168.00	168.45	N657555	MF	diss		4			3			2						T		T	168.00	168.45	0.45	0.024	<0.2	139	<1	<2	66	3	
168.45	169.00	N657556	XLTF	cb vn		4					1	5						T		T	168.45	169.00	0.55	<0.005	<0.2	11	<1	<2	37	3	
169.00	170.00	N657557	MF	diss		4	1		1			25						T		T	169.00	170.00	1.00	0.035	<0.2	74	1	5	52	4	
170.00	170.70	N657558	MF	diss		4			3			4						T		T	170.00	170.70	0.70	0.066	<0.2	168	<1	6	54	2	
170.70	171.25	N657559	MF	cb qz vn, diss		4			3		3	4						2.0		2.0	170.70	171.25	0.55	0.150	0.4	167	51	11	61	<2	
171.25	172.00	N657561	TF-LTF	diss		4	2					4						0.5		0.5	171.25	172.00	0.75	0.030	<0.2	88	1	<2	38	8	
172.00	173.00	N657562	TF-LTF	diss		4			2			3						0.5		0.5	172.00	173.00	1.00	0.013	<0.2	45	<1	<2	41	3	
173.00	173.65	N657563	TF-LTF	diss, cb vn		4						5						0.5		0.5	173.00	173.65	0.65	0.028	<0.2	15	1	<2	26	<2	
173.65	174.62	N657564	MF	diss, cb vn		4			3			6						T		T	173.65	174.62	0.97	0.044	0.3	201	<1	<2	48	<2	
174.62	175.14	N657565	MF	diss		4						5						0.5		0.5	174.62	175.14	0.52	0.110	0.3	163	<1	<2	37	4	
175.14	175.75	N657566	TF-LTF	diss		4		X	1			1						T		T	175.14	175.75	0.61	0.052	<0.2	18	<1	<2	25	<2	
175.75	176.42	N657567	TF-LTF	diss		4					2	3						0.5		0.5	175.75	176.42	0.67	0.019	<0.2	32	<1	<2	21	2	
176.42	177.40	N657568	MF	diss		4	1					10						0.5		0.5	176.42	177.40	0.98	0.053	<0.2	67	9	<2	42	3	
177.40	178.40	N657569	MF	diss, mm mass		4	1		1			15						1.5		1.5	177.40	178.40	1.00	0.026	<0.2	102	2	<2	41	2	
178.40	179.00	N657571	MF	diss, cb vn		4						10						1.5		1.5	178.40	179.00	0.60	0.019	<0.2	200	1	<2	49	3	
179.00	179.70	N657572	MF	diss		4						5						1.5		1.5	179.00	179.70	0.70	0.015	<0.2	129	3	2	54	3	
179.70	180.70	N657573	SHR	shr, cb vn, diss		4	1		2		6	15						1.5		1.5	179.70	180.70	1.00	0.032	<0.2	209	6	<2	41	5	
180.70	181.60	N657574	SHR	diss		4	1		1		1	8						0.5		0.5	180.70	181.60	0.90	0.030	<0.2	114	87	2	66	2	
181.60	182.60	N657575	VBX	diss		4			1			6						T		T	181.60	182.60	1.00	<0.005	<0.2	16	<1	2	62	<2	
182.60	183.60	N657576	VBX	diss		4					2	4						T		T	182.60	183.60	1.00	<0.005	<0.2	43	<1	<2	68	2	
183.60	184.60	N657577	VBX	diss, qz cb vn		4			3		1	2						0.5		0.5	183.60	184.60	1.00	0.006	0.4	78	1	2	74	<2	
184.60	185.50	N657578	VBX	diss		4						3.0						0.5		0.5	184.60	185.50	0.90	0.006	<0.2	76	1	2	59	<2	
	185.50		EOH																												

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-7						Lithology (bold)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
0.00	6.00	6.00				Overburden	Casing
6.00	14.00	8.00				Volcanic Breccia-Tuff	Medium green, massive. Mm-10cm angular - round felsic lapilli clasts with mm mafic lapilli. Preferential variable hematization of clasts. Andesitic tuffaceous matrix and matrix supported. No significant veins or mineralization. Lower contact is gradational.
14.00	18.70	4.70				Andesitic Tuff	Medium green, massive. Low frequency of mm, randomly oriented carbonate-quartz veinlets. Lower contact is gradational.
18.70	22.00	3.30				Volcanic Breccia	Same as previous with 20% mm-cm clasts.
22.00	30.50	8.50				Tuff-Lapilli Tuff- Crystal Tuff	Interbedded sequence at dm scale of tuff - lapilli tuff - crystal tuff. Mm-cm mafic lapilli, 10-15%. Submm- mm intact and broken felsic phenocrysts in dm sections, average 15%. Random quartz-carbonate vein network forming incipient stockwork.
			27.33			Cb-qz vn	2cm incipient carbonate-quartz vein, 10% fine grained, disseminated and clustered pyrite at 70°.
			29.00	29.35	0.35	Silic & Hmtz	35cm section of strong silicic and moderate hematization, imparting pink overtones. Cut by late mm, randomly oriented carbonate veinlets. Trace pyrite, overall trending 25°. Lower contact gradational.
30.50	33.27	2.77				Volcanic Breccia	Medium green, massive volcanic breccia, dominated by mm-1cm felsic tuff-lapilli tuff clasts (20%) and minor, submm-mm mafic clasts (5%). Matrix supported. Lower contact gradational.
33.27	34.80	1.53				Andesitic Tuff	Medium green, massive. Predominantly intermediate tuff with minor crystal component of sub-mm feldspar crystals.
34.80	36.13	1.33				Volcanic Breccia	Medium green, massive, same as previous except dominated by sub-cm clasts of feldspar lapilli. Lower contact gradational.
36.13	42.27	6.14				Andesitic Tuff	Medium green-grey, massive. Very weak, diffuse bedding in dm section. Lower contact gradational.
42.27	52.05	9.78				Mafic Lapilli Tuff	Dark green, massive, 10-15%, sub-mm - 0.5cm mafic lapilli fragments. Lower contact obscured by 20cm feldspar porphyry at 30°.
52.05	54.36	2.31				Andesitic Tuff	Medium green-grey, massive.
			53.00	53.50	0.50	Cb-qz-chl vnlt	50cm section with incipient carbonate-quartz-chlorite veinlets in 50% of sections. 10% fine to medium grained anhedral to euhedral clusters and disseminated pyrite associated with vein development. Overall at very low angle.
54.36	55.20	0.84				Mafic Lapilli Tuff	Same as previous. Lower contact sharp at 60°. No significant veins or mineralization.
55.20	60.08	4.88				Intermediate Tuff	Medium grey-green, massive, very intermediate composition. 5cm of upper contact very felsic. Lower contact sharp at 80°.
60.08	84.85	24.77				Mafic Flow	Dark green, fine grained. Moderate pervasive sericite-carbonate-epidote alteration resulting from strong stockworks of mm-1.5cm carbonate-quartz veining. Appear

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-7						Lithology (bold)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
							to be at least 2 generations of veining. Earlier carbonate-sericite-quartz veins which imparted pervasive alteration, cut by later white carbonate-quartz veins.
			62.25			Cb-qz vn	5mm carbonate-quartz vein, 10% pyrite at 70°.
			63.90			Cb-qz vn	15cm section of incipient carbonate-quartz veining, 3% disseminated anhedral-euhedral fine grained pyrite.
			65.80			Cb-qz vn	3cm of incipient carbonate-quartz vein, 5% fine grained, disseminated and clustered pyrite.
			67.00	67.20	0.20	Cb-qz vn	20cm section of chaotic mm-1cm carbonate-quartz veining, 10% disseminated and clustered fine grained, anhedral pyrite.
			69.50			Cb-qz vn	4cm carbonate-quartz vein, 5% disseminated, fine grained, anhedral to euhedral pyrite at 80°.
			69.50	69.60	0.10	Qz-cb-chl vn	10cm with 5cm early quartz-carbonate-chlorite vein. 5% anhedral to euhedral fine grained pyrite and 1.5cm late white quartz vein with 5% subhedral to euhedral pyrite at vein margins, both at 80°.
			70.70	71.70	1.00	Cb-qz stwks	1m section of carbonate-quartz stockworks and subparallel carbonate-quartz veins at 30°. Overall 3% fine grained, disseminated pyrite.
			71.80	72.40	0.60	Vn flow fabric	60cm section with strong vein flow fabric at 30° of quartz-carbonate. Cm potassic alteration halos. Trace fine grained pyrite.
			73.80			Pyrite	15cm section of intraformation pyrite as mm clusters, 10%.
			74.50			Pyrite	20cm section of five discontinuous stringers of pyrite.
			75.50			Pyrite	1cm, 1x3cm massive multivein-form pyrite concentration.
			76.50	76.80	0.30	Ck Bx	30cm section of crackle breccia by chlorite phase - hyaloclastic. 3% clustered fine grained pyrite.
			77.90	78.60	0.70	Pyrite	70cm section with mm clusters and massive intraformation pyrite concentrations.
			79.00	81.00	2.00	Bleached Cb	Bleached carbonate alteration.
			81.20	81.50	0.30	Ep-qz-cb vn	30cm section of multiveins, mm-3cm epidote-quartz-carbonate veining. 10% undetermined pink mineral.
			84.50			Qz-cb vn	2cm very low angle white quartz-carbonate vein. No mineralization observed.
84.85	85.55	0.70				Feldspar Porphyry	Medium grey, 20% mm anhedral-euhedral feldspar crystals in aphanitic silicic matrix. Upper contact sharp at 60°. Lower contact sharp at 80°. No significant mineralization.
85.55	87.50	1.95				Chert Breccia	Medium grey, intraformational chert breccia of mm-cm irregular shaped inclusion of grey-white chert fragment in mafic flow. Trace, fine grained disseminated and mm clustered fine grained intraformational pyrite. Lower contact marked by an absence of chert.
			85.60			Qz vn	3cm barren white quartz vein at 50°.
87.50	88.90	1.40				Mafic Flow	Medium to dark green, massive. Moderately veined by mm carbonate-quartz veinlets, randomly oriented. Mm-1cm clusters of intraformational pyrite.

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-7						Lithology (bold)	Description
Major Lithology			Minor unit/feature				
From	To	Length	From	To	Length		
meters	meters	meters	meters	meters	meters		
88.90	89.86	0.96				Quartz Vein	Pink-white, 4cm quartz-carbonate vein at very low angle, anastomosing along cut core length. Vein forms stockwork veinlets into wall rock. 1cm mas of chalcopyrite and minor disseminated, overall 0.5%. Trace arsenopyrite.
89.86	111.50	21.64				Mafic Flow	Dark green, same as previous.
			92.50	93.12	0.62	Pyrite & pyrrhotite	10% mm clusters of intraformational pyrite and pyrrhotite.
			93.40	93.50	0.10	Chert	10cm with mm beds of chert at 40°.
			94.30	94.90	0.60	Qz-cb-chl bx	50% quartz-carbonate-chlorite breccia of cm veins. 1% disseminated pyrite at 45°.
			97.60			Qz-cb vn	1.5cm quartz-carbonate vein at 30°, trace pyrite.
			98.00	98.10	0.10	Qz-cb vn	10cm of incipient quartz-carbonate veining. 3% disseminated, fine grained, subhedral pyrite.
			98.50	99.80	1.30	Qz-cb vn	Two, 1.5-2cm very low angle quartz-carbonate veins imparting cm-scale strong sericite-epidote alteration. 3-5% disseminated, fine grained pyrite.
			100.40			Qz-cb vn bx	4cm quartz-carbonate vein breccia of hairline to mm veins in chaotic array with a general trend at 40°. 10% disseminated and cluster fine grained subhedral pyrite.
			103.15	105.00	1.85	Pyrite	7% mm clusters of intraformational pyrite associated with carbonate open space fillings.
			106.50	109.30	2.80	Cb vn bx	Very chaotic array of mm-cm carbonate vein breccia. Very high vein density Mm-cm late quartz-carbonate crystal veins, usually at a high angle, but sometimes at a very low angle, occasionally displaying weak hematization.
			109.00			Qz-cb xtl vn	Very low angle 1.5cm quartz-carbonate crystal vein. 0.5% mm chalcopyrite, trace pyrite.
111.50	113.40	1.90				Crystal Tuff	Intensely chloritized. 10-20% mm anhedral to euhedral feldspar crystals, some broken. Upper contact and lower contact sharp, but not intrusive in character, at 70-80°.
			112.50			Cb-qz vn	8mm carbonate-quartz vein with 5% disseminated and cluster fine grained pyrite at 20°.
113.40	115.03	1.63				Chert	Dm sections of chert, fine competent bedding at mm scale. Some sections with micro faulting in sinistral sense at mm scale. Intercalated with mafic volcanic. Tops up-hole, based on micro slump features. Bedding at 90°. Upper contact and lower contact diffuse. 1% disseminated secondary pyrite.
115.03	153.30	38.27				Mafic Flow	Dark green to medium green.
			115.03	120.00	4.97	Cb-qz vn	High density of randomly oriented mm-cm carbonate-quartz veining and cm sections of incipient quartz-carbonate veining, forming chaotic arrays. Rare cm chert interbeds.
			119.50	119.80	0.30	Qz-cb vn, pseudo bx	30cm of incipient quartz-carbonate vein development in chaotic pseudo-brecciated texture, weak sericite alteration. 7% disseminated, fine grained anhedral to euhedral pyrite.
			120.00	129.00	9.00	Low vn density	Massive low vein density.

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-7						Lithology (bold)	Description
Major Lithology			Minor unit/feature				
From meters	To meters	Length meters	From meters	To meters	Length meters		
			123.00			Cb-qz vn	1.5cm carbonate-quartz vein at 90°, 20% disseminated pyrite.
			125.40			Qz-cb xtl vn	3cm very low angle white quartz-carbonate crystal vein with 7% disseminated fine grained pyrite.
			127.20	127.30	0.10	Cb-qz-sr vn bx	10cm, mm banded carbonate-quartz-sericite vein breccia. 3% disseminated and cluster pyrite at 45°.
			129.00	130.00	1.00	Chl clots	40% sub-mm to mm chlorite clots.
			130.00	133.00	3.00	Pyrite	Massive very fine grained pyrite.
			132.00	132.30		Pyrite	30cm section with cm massive, intraformational pyrite, 20% in section.
			132.36			Qz-cb-chl vn, Massive Py	4cm quartz-carbonate-chlorite vein with cm massive pyrite, overall 20%, vein at 70°.
			133.20			Cb-qz-chl-sr vn	5cm carbonate-quartz-chlorite-sericite vein at very low angle, cut along 40cm contorted, incipient competent banding and brecciation. Trace fine grained disseminated pyrite.
			136.25			Qz-cb-ep vn bx	1.5cm of quartz-carbonate-epidote vein breccia in chaotic fabric. No significant mineralization.
			137.30	137.60	0.30	Qz-cb vn	30cm section of quartz-carbonate veins with 3% disseminated pyrite cutting early carbonate-quartz incipient vein breccia.
			139.80	140.50	0.70	Cb-qz-chl vn bx	Very low angle, chaotic, carbonate-quartz-chlorite vein breccia with 20% fine to medium grained, disseminated and mm cluster pyrite. Multibranching, forming stockworks with intense silicification.
			140.70			Qz vn	2cm barren very low angle white quartz vein, cut along 40cm.
			141.85	153.30	11.45	Cb-qz-sr stwks	mm-cm chaotic stockworks of hairline to 1cm carbonate-quartz ± sericite veins. No significant mineralization observed. Occasional mm clusters of pyrite in veins and disseminated fine grained pyrite in host rock.
153.30	158.90	5.60				Andesitic Tuff	Medium green-grey andesitic tuff with mm lapilli component, overall massive.
			154.10	154.30	0.20	Qz-cb vn	20cm section exhibiting incipient quartz-carbonate veining, moderate silicification and shear fabric at 45°. 5% disseminated, fine grained anhedral to euhedral pyrite.
			154.50			Cb-qz-chl vn	1cm carbonate-quartz-chlorite vein at 45°. 5% fine grained, disseminated anhedral to euhedral pyrite, associated with veins and 1% in 15cm sericite-carbonate alteration halo. Lower contact sharp, with mm carbonate veins.
158.90	168.45	9.55				Mafic Flow	Dark green
			161.95			Vn bx	4cm section of vein breccia. Host rock brecciated into mm fragments by carbonate epidote veining.
			162.00	163.00	1.00	Bleached cb-ep vn	Medium grey colour, bleached resulting from weak stockworks of carbonate-epidote veining.
			164.50			Cb-qz-ep vn	1cm carbonate-quartz-epidote vein. 0.5% fine grained, disseminated pyrite at 30°.
			166.05			Cb-qz vn	5mm carbonate-quartz vein at 20°. 5% medium to coarse grained subhedral pyrite

LITHOLOGY LOG



Mantis Mineral Corp.

Diamond Drill Hole ID: CL09-7						Lithology (bold)	Description
Major Lithology			Minor unit/feature				
From meters	To meters	Length meters	From meters	To meters	Length meters		
							associated with wall rock.
			166.95	167.15	0.20	Pyrite	20cm section with 5% disseminated, fine grained pyrite associated with incipient carbonate-quartz veining.
			167.50			Cb-qz vn	1cm carbonate-quartz vein. 5% mm cluster pyrite, at 50°.
							Lower contact sharp at 60°.
168.45	169.00	0.55				Crystal Tuff	Andesitic crystal tuff with 20% sub-mm to m anhedral to subhedral feldspar crystals, some broken. Lower contact sharp at 70°.
169.00	171.25	2.25				Mafic Flow	Dark green with moderate stockworks, resulting from mm to 1cm carbonate-quartz ± epidote veins. Lower contact sharp.
			171.00			Qz-cb vn	Vuggy 8mm crystal quartz-carbonate vein with 7% disseminated pyrite cutting earlier carbonate-quartz veins with trace, fine grained pyrite.
171.25	173.65	2.40				Andesitic Lapilli Tuff - Tuff	Medium green with 10-15% mm mafic lapilli, massive. No significant veins or mineralization.
173.65	175.14	1.49				Mafic Flow	Dark green, massive. Weak carbonate-quartz veins. No significant mineralization.
175.14	176.42	1.28				Lapilli-Tuff - Tuff	Medium green, dominantly lapilli-tuff with mm mafic fragments. Lower 0.5m bedded tuff at mm scale. Bedding at 90°.
176.42	179.70	3.28				Mafic Flow	Dark green, low density of mm randomly oriented carbonate-quartz veinlets. Occasional mm clusters of fine grained pyrite.
179.70	181.60	1.90				Shear	Sharp transition into shear, defined by mm compositional banding of sericite-carbonate-chlorite-quartz. Volcanic breccia protolith recognizable. Shearing at 60°.
							Trace to 3% disseminated pyrite in cm sections where shear fabric is most intense.
181.60	185.50	3.90				Volcanic Breccia	Medium green grey. Mm-cm felsic andesitic breccia clasts (20%), mm mafic lapilli (10%) in andesitic lapilli matrix. Weak S1 stretching of clasts at 70°.
			184.10			Qz-cb vn	1cm crystal quartz-carbonate vein, 30°, 3% fine grained pyrite.
EOH	185.50						

Meterage Intervals of NQ Core per Box								
CL09-7	Meterage							
Box #	From	To	Meters					
1	6.00	10.00	4.00					
2	10.00	14.24	4.24					
3	14.24	18.28	4.04					
4	18.28	22.46	4.18					
5	22.46	26.70	4.24					
6	26.70	31.00	4.30					
7	31.00	35.22	4.22					
8	35.22	39.10	3.88					
9	39.10	43.16	4.06					
10	43.16	47.37	4.21					
11	47.37	51.83	4.46					
12	51.83	56.00	4.17					
13	56.00	60.25	4.25					
14	60.25	64.45	4.20					
15	64.45	68.52	4.07					
16	68.52	72.75	4.23					
17	72.75	76.83	4.08					
18	76.83	81.05	4.22					
19	81.05	85.14	4.09					
20	85.14	89.41	4.27					
21	89.41	93.75	4.34					
22	93.75	97.95	4.20					
23	97.95	102.10	4.15					
24	102.10	106.15	4.05					
25	106.15	110.36	4.21					
26	110.36	114.68	4.32					
27	114.68	118.94	4.26					
28	118.94	123.00	4.06					
29	123.00	127.19	4.19					
30	127.19	131.47	4.28					
31	131.47	135.70	4.23					
32	135.70	139.81	4.11					
33	139.81	144.00	4.19					
34	144.00	148.20	4.20					
35	148.20	152.47	4.27					
36	152.47	156.78	4.31					
37	156.78	160.88	4.10					
38	160.88	165.12	4.24					
39	165.12	169.47	4.35					
40	169.47	173.45	3.98					
41	173.45	177.86	4.41					
42	177.86	181.97	4.11					
43	181.97	185.50	3.53					

APPENDIX - C

Certificates of Analysis and Assay Data



ALS Chemex

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ALS Canada Ltd.

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Page: 4 - C
Total # Pages: 4 (A - C)
Finalized Date: 17-AUG-2009
Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS TB09072617

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G0782453		<20	0.08	<10	<10	32	<10	63
G0782454		<20	0.15	<10	<10	73	<10	88
G0782455		<20	0.13	<10	<10	80	<10	94
G0782456		<20	0.12	<10	<10	63	<10	83
G0782457		<20	0.13	<10	<10	66	<10	75
G0782458		<20	0.09	<10	<10	62	<10	78
G0782459		<20	0.14	<10	<10	73	<10	81
G0782460		<20	0.09	<10	<10	152	20	63
G0782461		<20	0.14	<10	<10	71	<10	78
G0782462		<20	0.13	<10	<10	60	<10	76
G0782463		<20	0.15	<10	<10	62	<10	78
G0782464		<20	0.19	<10	<10	46	<10	68
G0782465		<20	0.17	<10	<10	63	<10	78
G0782466		<20	0.17	<10	<10	78	<10	80
G0782467		<20	0.15	<10	<10	71	<10	81
G0782468		<20	0.19	<10	<10	91	<10	87
G0782469		<20	0.16	<10	<10	77	<10	79
G0782470		<20	<0.01	<10	<10	1	<10	<2
G0782471		<20	0.19	<10	<10	86	<10	80
G0782472		<20	0.16	<10	<10	80	<10	79



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Page: 1
Finalized Date: 27-JUL-2009
Account: MANTMN

CERTIFICATE SD09071697

Project: CREE LAKE

P.O. No.:

This report is for 121 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 15-JUL-2009.

The following have access to data associated with this certificate:

WALTER HANYCH

ROBIN ROSS

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

To: MANTIS MINERAL CORP
ATTN: WALTER HANYCH
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Page: 2 - A
Total # Pages: 4 (A - C)
Finalized Date: 17-AUG-2009
Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS TB09072617

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G0782373		2.13	0.008	0.4	3.13	4	<10	10	<0.5	<2	4.17	<0.5	24	132	35	4.42
G0782374		2.67	<0.005	0.4	3.16	<2	<10	10	<0.5	<2	3.74	<0.5	24	132	51	4.38
G0782375		2.36	<0.005	0.3	3.20	3	<10	20	<0.5	<2	3.28	<0.5	25	129	25	4.51
G0782376		1.73	<0.005	0.2	3.44	<2	<10	20	<0.5	<2	2.80	<0.5	27	214	136	4.90
G0782377		2.55	<0.005	0.3	3.21	<2	<10	20	<0.5	<2	3.31	<0.5	25	119	70	4.55
G0782378		1.85	<0.005	<0.2	3.11	2	<10	20	<0.5	<2	4.20	<0.5	23	104	50	4.22
G0782379		1.70	<0.005	0.2	3.08	3	<10	20	<0.5	<2	4.39	<0.5	23	112	56	4.21
G0782380		0.08	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.12	<0.5	<1	2	2	0.03
G0782381		1.79	0.006	<0.2	3.13	<2	<10	40	<0.5	<2	3.90	<0.5	24	111	58	4.34
G0782382		1.73	<0.005	<0.2	3.35	2	<10	60	<0.5	<2	3.85	<0.5	25	109	54	4.58
G0782383		1.71	<0.005	<0.2	3.30	3	<10	20	<0.5	<2	3.66	<0.5	26	101	55	4.61
G0782384		1.76	0.005	1.3	2.79	3	<10	20	<0.5	4	5.46	<0.5	23	83	50	4.09
G0782385		1.83	<0.005	<0.2	3.08	2	<10	40	<0.5	<2	4.11	<0.5	23	97	47	4.33
G0782386		1.74	<0.005	0.3	3.02	3	<10	40	<0.5	<2	3.68	<0.5	23	102	48	4.41
G0782387		1.78	<0.005	<0.2	2.90	2	<10	50	<0.5	<2	3.54	<0.5	22	71	27	4.31
G0782388		1.21	<0.005	<0.2	3.13	<2	<10	40	<0.5	<2	2.82	<0.5	26	105	57	4.70
G0782389		0.75	<0.005	0.2	1.67	3	<10	120	<0.5	<2	7.18	<0.5	17	43	79	3.80
G0782390		0.10	3.54	3.8	1.42	274	<10	560	<0.5	2	1.24	1.4	9	52	74	3.28
G0782391		1.20	0.006	<0.2	2.44	3	<10	60	<0.5	<2	2.93	<0.5	21	117	41	3.87
G0782392		1.17	0.005	0.3	1.90	2	<10	130	<0.5	<2	4.79	<0.5	16	84	42	3.40
G0782393		1.76	0.007	0.4	3.06	4	<10	90	<0.5	<2	4.06	<0.5	25	112	59	4.52
G0782394		2.09	<0.005	0.2	2.88	<2	<10	30	<0.5	<2	3.49	<0.5	24	118	38	4.39
G0782395		1.96	<0.005	0.3	3.05	2	<10	20	<0.5	<2	3.06	<0.5	27	124	33	4.77
G0782396		1.48	0.005	0.2	2.48	3	<10	30	<0.5	<2	3.92	<0.5	25	97	40	4.12
G0782397		1.42	<0.005	<0.2	2.23	3	<10	170	<0.5	<2	4.57	<0.5	20	106	46	3.76
G0782398		1.32	<0.005	0.3	2.43	4	<10	60	<0.5	<2	3.85	<0.5	23	109	39	4.01
G0782399		2.06	0.006	0.3	2.76	<2	<10	50	<0.5	<2	4.54	<0.5	24	97	44	4.30
G0782400		0.08	0.993	0.5	4.45	1380	<10	110	<0.5	<2	6.32	<0.5	23	239	108	5.16
G0782401		1.75	<0.005	0.2	3.29	9	<10	30	<0.5	<2	2.92	<0.5	27	131	14	4.91
G0782402		1.51	<0.005	<0.2	2.92	2	<10	40	<0.5	<2	3.86	<0.5	25	107	45	4.61
G0782403		1.76	<0.005	<0.2	2.46	2	<10	40	<0.5	<2	3.09	<0.5	16	21	38	3.51
G0782404		1.80	<0.005	0.2	2.95	3	<10	30	<0.5	2	3.54	<0.5	27	93	41	4.72
G0782405		1.78	<0.005	0.2	2.03	4	<10	20	<0.5	<2	3.83	<0.5	20	101	36	3.61
G0782406		2.76	<0.005	<0.2	2.37	2	<10	30	<0.5	<2	2.86	<0.5	21	118	34	3.83
G0782407		0.50	0.026	0.3	1.46	3	<10	40	<0.5	3	6.61	<0.5	23	46	76	3.76
G0782408		1.83	<0.005	0.2	2.47	3	<10	40	<0.5	<2	3.73	<0.5	23	79	14	4.10
G0782409		2.37	<0.005	<0.2	2.43	3	<10	20	<0.5	<2	3.53	<0.5	24	135	21	4.24
G0782410		0.08	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.13	<0.5	<1	2	3	0.03
G0782411		1.24	<0.005	<0.2	2.62	2	<10	20	<0.5	<2	3.37	<0.5	24	103	35	4.37
G0782412		1.27	<0.005	0.2	3.01	3	<10	30	<0.5	<2	2.92	<0.5	28	87	12	4.84



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Project: CREE LAKE

CERTIFICATE OF ANALYSIS TB09072617

Sample Description	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
G0782373	10	1	0.03	10	2.54	822	<1	0.05	90	490	<2	<0.01	<2	9	109
G0782374	10	1	0.05	10	2.53	823	<1	0.05	91	420	2	<0.01	<2	7	110
G0782375	10	1	0.06	10	2.51	752	<1	0.04	91	500	<2	<0.01	<2	7	95
G0782376	10	<1	0.04	10	2.73	724	<1	0.05	114	480	8	<0.01	<2	9	73
G0782377	10	<1	0.05	10	2.50	721	<1	0.04	88	480	2	0.01	<2	7	100
G0782378	10	1	0.06	10	2.46	846	<1	0.05	82	510	<2	0.01	<2	7	128
G0782379	<10	1	0.07	10	2.48	906	<1	0.05	80	520	<2	0.01	<2	6	139
G0782380	<10	1	0.01	10	0.01	10	<1	<0.01	<1	40	<2	<0.01	<2	<1	2
G0782381	10	1	0.07	10	2.52	845	<1	0.05	86	500	2	0.01	<2	6	121
G0782382	10	1	0.05	10	2.58	823	<1	0.06	84	500	<2	0.01	<2	9	128
G0782383	10	1	0.05	10	2.52	735	<1	0.05	83	480	2	0.02	<2	8	116
G0782384	<10	1	0.06	<10	2.10	998	1	0.04	73	440	4	0.23	<2	6	186
G0782385	10	1	0.05	10	2.30	873	<1	0.06	77	460	2	0.01	<2	7	138
G0782386	10	1	0.07	10	2.37	843	<1	0.06	81	460	<2	0.01	<2	6	115
G0782387	10	1	0.10	10	2.26	789	<1	0.05	72	510	2	<0.01	<2	5	115
G0782388	10	1	0.07	10	2.64	730	<1	0.04	93	570	<2	<0.01	<2	6	93
G0782389	<10	1	0.10	10	2.57	1395	<1	0.04	41	400	4	0.01	<2	4	215
G0782390	<10	6	0.14	<10	0.78	453	11	0.06	36	750	278	0.62	27	4	34
G0782391	10	1	0.05	20	2.46	766	<1	0.06	83	790	<2	0.01	<2	5	97
G0782392	<10	1	0.07	20	2.21	1020	<1	0.06	65	750	2	0.01	<2	4	151
G0782393	10	1	0.07	10	2.63	808	2	0.04	88	440	4	0.08	<2	5	140
G0782394	10	1	0.09	10	2.58	814	<1	0.04	91	480	<2	0.02	<2	5	88
G0782395	<10	1	0.07	10	2.94	796	<1	0.04	105	500	<2	0.03	<2	7	90
G0782396	<10	1	0.09	10	2.54	828	<1	0.04	87	530	2	0.22	<2	5	122
G0782397	10	1	0.06	30	2.50	893	<1	0.04	92	1040	<2	0.01	<2	5	145
G0782398	<10	1	0.06	20	2.66	888	<1	0.04	90	850	2	0.20	<2	5	117
G0782399	<10	1	0.09	<10	2.53	884	<1	0.04	80	410	3	0.29	<2	6	149
G0782400	10	1	0.73	<10	3.03	1365	<1	0.12	114	360	20	0.59	50	14	114
G0782401	10	1	0.09	10	2.98	794	<1	0.04	103	450	2	0.05	<2	6	90
G0782402	10	1	0.13	10	2.78	976	<1	0.04	96	470	5	0.03	<2	5	109
G0782403	<10	1	0.14	10	1.62	511	<1	0.03	29	650	2	0.10	<2	3	111
G0782404	<10	1	0.13	10	2.81	925	1	0.03	90	550	<2	0.11	<2	5	105
G0782405	10	1	0.07	10	2.29	782	<1	0.06	78	750	2	0.06	<2	4	116
G0782406	10	1	0.08	20	2.35	624	<1	0.08	85	790	<2	0.01	<2	5	94
G0782407	<10	1	0.15	10	2.50	1225	20	0.04	59	530	6	0.38	<2	5	197
G0782408	10	1	0.11	10	2.48	798	<1	0.06	85	620	<2	0.12	<2	5	107
G0782409	10	1	0.05	30	3.12	905	<1	0.04	106	1010	<2	0.01	<2	7	104
G0782410	<10	1	0.01	10	0.01	11	<1	<0.01	<1	40	<2	0.01	<2	<1	2
G0782411	10	1	0.09	20	3.02	814	<1	0.04	94	790	<2	0.02	<2	5	99
G0782412	10	1	0.11	10	3.06	668	<1	0.03	98	510	<2	0.05	<2	5	77



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Project: CREE LAKE

CERTIFICATE OF ANALYSIS TB09072617

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G0782373		<20	0.02	<10	<10	78	<10	76
G0782374		<20	0.01	<10	<10	61	<10	71
G0782375		<20	0.01	<10	<10	59	<10	74
G0782376		<20	0.01	<10	<10	74	<10	88
G0782377		<20	0.01	<10	<10	63	<10	82
G0782378		<20	0.01	<10	<10	58	<10	74
G0782379		<20	0.01	<10	<10	53	<10	71
G0782380		<20	<0.01	<10	<10	1	<10	<2
G0782381		<20	0.01	<10	<10	53	<10	73
G0782382		<20	0.01	<10	<10	68	<10	77
G0782383		<20	0.01	<10	<10	64	<10	76
G0782384		<20	0.01	<10	<10	48	<10	66
G0782385		<20	0.01	<10	<10	58	<10	75
G0782386		<20	0.01	<10	<10	55	<10	78
G0782387		<20	0.01	<10	<10	43	<10	81
G0782388		<20	0.01	<10	<10	56	<10	92
G0782389		<20	0.01	<10	<10	33	<10	62
G0782390		<20	0.09	<10	<10	58	<10	264
G0782391		<20	0.01	<10	<10	56	<10	75
G0782392		<20	0.01	<10	<10	41	<10	55
G0782393		<20	0.01	<10	<10	48	<10	85
G0782394		<20	0.01	<10	<10	46	<10	83
G0782395		<20	0.01	<10	<10	53	<10	83
G0782396		<20	0.01	<10	<10	39	<10	65
G0782397		<20	0.01	<10	<10	51	<10	60
G0782398		<20	0.01	<10	<10	50	<10	64
G0782399		<20	0.01	<10	<10	46	<10	71
G0782400		<20	0.10	<10	<10	159	20	66
G0782401		<20	0.01	<10	<10	53	<10	88
G0782402		<20	0.01	<10	<10	42	<10	80
G0782403		<20	0.01	<10	<10	28	<10	65
G0782404		<20	0.01	<10	<10	40	<10	82
G0782405		<20	0.01	<10	<10	43	<10	61
G0782406		<20	0.01	<10	<10	51	<10	72
G0782407		<20	0.01	<10	<10	31	<10	51
G0782408		<20	0.01	<10	<10	46	<10	72
G0782409		<20	0.01	<10	<10	60	<10	76
G0782410		<20	<0.01	<10	<10	<1	<10	<2
G0782411		<20	0.01	<10	<10	46	<10	76
G0782412		<20	0.01	<10	<10	40	<10	84



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CERTIFICATE OF ANALYSIS TB09072617

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G0782413		1.42	0.021	0.5	0.99	4	<10	60	<0.5	<2	7.02	<0.5	30	29	49	3.74
G0782414		2.05	<0.005	0.2	1.66	3	<10	30	<0.5	<2	5.06	<0.5	19	61	41	3.32
G0782415		1.32	0.095	0.9	1.82	3	<10	30	<0.5	2	5.51	<0.5	28	71	76	4.10
G0782416		1.65	0.068	0.5	2.41	4	<10	110	<0.5	3	5.30	<0.5	28	102	102	4.44
G0782417		1.28	0.283	2.1	2.31	2	<10	80	<0.5	4	5.75	<0.5	24	175	134	4.04
G0782418		1.76	<0.005	<0.2	3.54	3	<10	10	<0.5	<2	2.25	<0.5	29	393	40	4.45
G0782419		2.16	<0.005	0.3	3.22	3	<10	30	<0.5	<2	4.57	<0.5	27	238	109	4.10
G0782420		0.10	3.68	4.2	1.57	287	<10	550	<0.5	<2	1.34	1.6	9	58	79	3.39
G0782421		1.79	<0.005	0.3	3.65	5	<10	70	<0.5	<2	5.91	<0.5	28	147	20	4.42
G0782422		1.81	<0.005	0.4	3.51	3	<10	20	<0.5	<2	5.81	<0.5	26	208	86	4.30
G0782423		1.58	<0.005	0.3	4.16	2	<10	10	<0.5	<2	2.53	<0.5	30	240	41	5.12
G0782424		1.82	<0.005	0.3	3.79	4	<10	20	<0.5	<2	2.05	<0.5	29	157	24	4.88
G0782425		1.74	<0.005	0.3	3.70	2	<10	10	<0.5	<2	3.82	<0.5	29	169	22	4.80
G0782426		1.78	<0.005	<0.2	3.69	2	<10	20	<0.5	<2	3.34	<0.5	29	165	26	4.92
G0782427		1.89	<0.005	0.2	3.76	4	<10	20	<0.5	<2	2.34	<0.5	30	169	48	5.05
G0782428		1.71	<0.005	<0.2	2.45	2	<10	20	<0.5	<2	7.54	<0.5	17	106	16	3.19
G0782429		1.53	<0.005	0.3	2.92	2	20	20	<0.5	<2	12.05	<0.5	20	84	72	3.84
G0782430		0.08	1.130	0.4	4.57	1405	<10	110	<0.5	<2	6.32	<0.5	24	241	110	5.23
G0782431		1.75	<0.005	<0.2	4.19	11	<10	20	<0.5	<2	2.42	<0.5	32	229	5	5.54
G0782432		1.56	<0.005	<0.2	4.12	2	<10	20	<0.5	<2	3.52	<0.5	33	178	7	5.47
G0782433		2.29	<0.005	0.2	2.18	3	<10	130	<0.5	<2	8.39	<0.5	15	71	13	2.88
G0782434		0.99	<0.005	<0.2	3.98	3	<10	30	<0.5	<2	2.45	<0.5	31	131	7	5.34
G0782435		0.81	0.016	0.4	2.18	3	<10	170	<0.5	<2	9.10	<0.5	16	90	279	2.93
G0782436		2.11	<0.005	0.4	3.66	3	<10	30	<0.5	<2	3.02	<0.5	29	146	84	4.99
G0782437		1.26	0.006	0.3	3.08	3	<10	30	<0.5	<2	5.31	<0.5	24	101	84	4.19
G0782438		1.65	0.006	0.4	3.43	<2	<10	40	<0.5	<2	4.34	<0.5	27	115	51	4.56
G0782439		1.48	<0.005	0.3	2.91	<2	<10	50	<0.5	<2	3.20	<0.5	20	116	4	3.71
G0782440		0.08	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.13	<0.5	<1	2	3	0.03
G0782441		1.97	<0.005	0.2	2.67	<2	<10	150	<0.5	<2	3.75	<0.5	21	103	3	3.40
G0782442		1.76	<0.005	0.2	3.10	3	<10	50	<0.5	<2	3.97	<0.5	23	140	5	3.84
G0782443		1.94	<0.005	<0.2	3.11	2	<10	50	<0.5	<2	4.41	<0.5	22	149	<1	3.81
G0782444		2.06	<0.005	0.2	2.97	3	<10	70	<0.5	<2	3.41	<0.5	20	133	39	3.74
G0782445		1.83	0.006	0.4	2.86	4	<10	40	<0.5	<2	3.43	<0.5	21	103	165	3.91
G0782446		1.84	<0.005	0.3	2.96	4	<10	30	<0.5	<2	4.00	<0.5	22	90	32	4.16
G0782447		1.90	<0.005	<0.2	3.23	3	<10	20	<0.5	<2	3.03	<0.5	25	97	47	4.54
G0782448		2.01	<0.005	0.3	3.44	2	<10	20	<0.5	<2	2.52	<0.5	25	113	24	4.79
G0782449		2.10	<0.005	<0.2	2.96	2	<10	30	<0.5	<2	3.68	<0.5	23	46	135	4.32
G0782450		0.10	3.56	3.9	1.46	284	<10	520	<0.5	<2	1.29	1.5	9	53	76	3.30
G0782451		1.18	<0.005	<0.2	2.78	2	<10	30	<0.5	<2	3.20	<0.5	22	66	21	4.14
G0782452		2.22	<0.005	<0.2	2.23	<2	<10	30	<0.5	<2	3.38	<0.5	16	17	85	3.35



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CERTIFICATE OF ANALYSIS TB09072617

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
G0782413		<10	1	0.14	<10	2.70	1225	9	0.02	62	730	4	0.92	<2	3	195
G0782414		<10	1	0.13	10	2.27	811	<1	0.03	74	910	<2	0.19	<2	4	144
G0782415		<10	1	0.09	<10	2.53	936	5	0.04	93	950	2	0.93	<2	6	163
G0782416		<10	1	0.06	<10	2.63	859	3	0.04	90	880	3	0.86	<2	7	185
G0782417		10	1	0.06	<10	3.30	1090	6	0.03	122	650	5	0.54	<2	8	173
G0782418		10	1	0.02	10	4.40	723	<1	0.03	177	420	<2	0.01	<2	11	61
G0782419		10	1	0.09	10	3.25	757	<1	0.02	158	650	<2	0.01	<2	7	149
G0782420		<10	5	0.15	10	0.82	480	12	0.07	39	790	294	0.66	29	4	38
G0782421		<10	1	0.11	10	2.96	818	<1	0.01	124	910	2	0.01	<2	4	243
G0782422		<10	1	0.08	10	2.88	868	<1	0.02	126	680	<2	0.01	<2	6	205
G0782423		10	1	0.03	20	3.71	656	<1	0.04	129	910	<2	<0.01	<2	10	87
G0782424		10	1	0.05	10	3.28	604	<1	0.04	111	670	3	<0.01	<2	8	69
G0782425		10	1	0.03	10	3.12	857	<1	0.04	109	730	<2	<0.01	<2	10	140
G0782426		10	1	0.04	10	3.11	771	<1	0.04	105	640	<2	<0.01	<2	9	115
G0782427		10	1	0.06	10	3.11	656	<1	0.04	120	640	<2	<0.01	<2	8	81
G0782428		<10	<1	0.06	10	1.88	1300	<1	0.03	53	570	<2	<0.01	<2	6	258
G0782429		<10	1	0.03	10	2.33	2040	<1	0.01	56	520	3	0.01	<2	6	515
G0782430		10	1	0.74	<10	3.09	1395	<1	0.12	113	370	16	0.60	46	14	116
G0782431		10	1	0.06	10	3.56	681	<1	0.03	147	600	<2	0.01	<2	7	92
G0782432		10	1	0.05	10	3.40	850	<1	0.04	128	630	<2	<0.01	<2	9	130
G0782433		<10	1	0.13	10	1.64	1405	<1	0.03	53	490	<2	0.01	<2	4	282
G0782434		10	<1	0.08	10	3.29	730	<1	0.03	119	700	<2	<0.01	<2	7	76
G0782435		<10	1	0.08	10	1.62	1575	<1	0.02	59	520	2	0.02	<2	3	451
G0782436		10	1	0.07	10	3.02	742	<1	0.04	108	680	<2	<0.01	<2	7	101
G0782437		10	1	0.07	10	2.46	966	<1	0.03	81	580	<2	0.01	<2	6	159
G0782438		<10	1	0.11	10	2.79	840	<1	0.03	97	620	<2	0.01	<2	5	126
G0782439		10	<1	0.09	30	2.54	617	<1	0.05	80	810	<2	0.01	<2	4	121
G0782440		<10	1	0.01	10	0.01	11	<1	<0.01	<1	40	<2	0.01	<2	<1	2
G0782441		10	1	0.10	20	2.38	638	<1	0.05	85	810	2	0.01	<2	3	147
G0782442		10	1	0.06	30	2.87	674	<1	0.05	99	1050	<2	0.01	<2	5	138
G0782443		10	1	0.05	30	2.91	709	<1	0.05	101	1050	<2	0.01	<2	6	165
G0782444		10	1	0.06	20	2.66	624	<1	0.06	81	840	<2	0.01	<2	6	131
G0782445		10	<1	0.07	10	2.37	658	2	0.03	77	600	<2	0.04	<2	4	94
G0782446		10	<1	0.08	10	2.36	756	1	0.03	79	450	2	0.01	<2	4	96
G0782447		10	1	0.06	10	2.62	732	<1	0.03	87	460	<2	<0.01	<2	6	72
G0782448		10	1	0.05	10	2.88	730	<1	0.03	86	480	<2	<0.01	<2	7	57
G0782449		10	1	0.11	10	2.17	769	<1	0.02	58	610	<2	0.02	<2	4	79
G0782450		<10	5	0.14	10	0.79	458	12	0.06	36	760	287	0.63	28	4	34
G0782451		10	<1	0.09	10	2.00	711	<1	0.03	66	520	<2	<0.01	<2	3	69
G0782452		10	<1	0.14	10	1.41	617	<1	0.02	29	650	<2	0.01	<2	2	68



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Project: CREE LAKE

CERTIFICATE OF ANALYSIS TB09072617

Sample Description	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Th	Ti	Ti	U	V	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	ppm
Method Analyte Units LOR	20	0.01	10	10	1	10	2
G0782413	<20	<0.01	<10	<10	18	<10	39
G0782414	<20	0.01	<10	<10	27	<10	47
G0782415	<20	<0.01	<10	<10	36	<10	51
G0782416	<20	<0.01	<10	<10	53	<10	59
G0782417	<20	<0.01	<10	<10	48	<10	56
G0782418	<20	0.01	<10	<10	78	<10	82
G0782419	<20	0.01	<10	<10	50	<10	68
G0782420	<20	0.10	<10	<10	64	<10	283
G0782421	<20	0.01	<10	<10	40	<10	73
G0782422	<20	0.01	<10	<10	52	<10	70
G0782423	<20	0.01	<10	<10	88	<10	86
G0782424	<20	0.01	<10	<10	71	<10	78
G0782425	<20	0.01	<10	<10	76	<10	76
G0782426	<20	0.01	<10	<10	79	<10	77
G0782427	<20	0.01	<10	<10	71	<10	78
G0782428	<20	0.01	<10	<10	48	<10	49
G0782429	<20	0.01	<10	<10	46	<10	59
G0782430	<20	0.10	<10	<10	161	20	66
G0782431	<20	0.01	<10	<10	71	<10	88
G0782432	<20	0.01	<10	<10	79	<10	87
G0782433	<20	0.01	<10	<10	35	<10	43
G0782434	<20	0.01	<10	<10	68	<10	85
G0782435	<20	<0.01	<10	<10	28	<10	45
G0782436	<20	0.01	<10	<10	66	<10	82
G0782437	<20	0.01	<10	<10	54	<10	69
G0782438	<20	0.01	<10	<10	47	<10	77
G0782439	<20	0.01	<10	<10	51	<10	69
G0782440	<20	<0.01	<10	<10	1	<10	<2
G0782441	<20	0.01	<10	<10	42	<10	62
G0782442	<20	0.01	<10	<10	65	<10	73
G0782443	<20	0.01	<10	<10	74	<10	73
G0782444	<20	0.01	<10	<10	67	<10	71
G0782445	<20	0.01	<10	<10	48	<10	75
G0782446	<20	0.01	<10	<10	38	<10	75
G0782447	<20	0.01	<10	<10	50	<10	84
G0782448	<20	0.01	<10	<10	57	<10	95
G0782449	<20	0.01	<10	<10	43	<10	84
G0782450	<20	0.09	<10	<10	59	<10	270
G0782451	<20	0.02	<10	<10	35	<10	76
G0782452	<20	0.02	<10	<10	24	<10	59



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CERTIFICATE OF ANALYSIS TB09072617

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G0782453		2.43	<0.005	<0.2	2.45	2	<10	30	<0.5	<2	4.44	<0.5	19	16	121	3.85
G0782454		2.21	0.006	<0.2	3.23	<2	<10	10	<0.5	<2	3.70	<0.5	24	172	8	4.34
G0782455		1.72	<0.005	0.2	3.57	<2	<10	10	<0.5	<2	2.75	<0.5	26	169	11	4.63
G0782456		2.47	<0.005	<0.2	3.27	2	<10	20	<0.5	<2	3.39	<0.5	24	118	34	4.29
G0782457		2.69	<0.005	<0.2	3.06	3	<10	10	<0.5	<2	3.20	<0.5	23	113	79	4.17
G0782458		2.61	<0.005	<0.2	3.25	4	<10	10	<0.5	<2	3.74	<0.5	25	110	83	4.55
G0782459		2.82	<0.005	<0.2	3.37	2	<10	10	<0.5	<2	4.29	<0.5	25	141	40	4.65
G0782460		0.09	1.040	0.6	4.28	1345	<10	110	<0.5	<2	6.46	<0.5	22	227	104	5.00
G0782461		2.34	<0.005	<0.2	3.26	7	<10	10	<0.5	<2	3.55	<0.5	25	129	41	4.55
G0782462		2.85	<0.005	<0.2	3.18	3	<10	10	<0.5	<2	4.66	<0.5	25	120	62	4.44
G0782463		2.44	0.006	<0.2	3.37	3	<10	10	<0.5	<2	3.40	<0.5	26	131	36	4.71
G0782464		2.41	0.005	<0.2	3.01	3	<10	20	<0.5	<2	3.76	<0.5	22	81	48	4.05
G0782465		2.33	0.006	<0.2	3.34	<2	<10	10	<0.5	<2	3.60	<0.5	25	121	35	4.55
G0782466		1.64	<0.005	<0.2	3.36	<2	<10	10	<0.5	<2	2.81	<0.5	25	123	26	4.45
G0782467		2.44	<0.005	0.2	3.43	<2	<10	10	<0.5	<2	3.47	<0.5	26	111	53	4.64
G0782468		2.32	<0.005	<0.2	3.65	<2	<10	10	<0.5	<2	2.78	<0.5	29	134	23	4.88
G0782469		2.17	0.006	<0.2	3.32	<2	<10	10	<0.5	<2	3.62	<0.5	26	114	16	4.47
G0782470		0.08	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.11	<0.5	<1	2	2	0.04
G0782471		1.83	0.005	<0.2	3.37	<2	<10	<10	<0.5	<2	3.93	<0.5	26	125	22	4.53
G0782472		1.79	<0.005	<0.2	3.39	2	<10	10	<0.5	<2	3.92	<0.5	26	121	36	4.59



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CERTIFICATE OF ANALYSIS TB09072617

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
G0782453		<10	<1	0.14	10	1.50	719	<1	0.02	35	760	<2	0.07	<2	2	84
G0782454		10	<1	0.03	<10	2.69	801	<1	0.04	108	410	<2	<0.01	<2	10	71
G0782455		10	<1	0.02	<10	3.12	777	<1	0.04	103	430	<2	<0.01	<2	11	52
G0782456		10	<1	0.04	<10	2.77	796	<1	0.04	87	440	<2	<0.01	<2	8	65
G0782457		10	<1	0.03	<10	2.56	754	<1	0.04	81	420	<2	0.01	<2	9	58
G0782458		10	1	0.04	10	2.67	843	<1	0.03	85	450	<2	0.05	<2	7	63
G0782459		10	<1	0.03	10	2.74	903	<1	0.04	93	470	<2	<0.01	<2	9	75
G0782460		10	<1	0.71	<10	2.96	1315	<1	0.11	108	350	17	0.58	42	13	109
G0782461		10	<1	0.03	<10	2.67	817	<1	0.04	90	460	<2	<0.01	<2	9	59
G0782462		10	<1	0.05	<10	2.51	924	<1	0.03	89	430	<2	<0.01	<2	8	80
G0782463		10	1	0.05	<10	2.70	813	<1	0.03	95	440	<2	<0.01	<2	8	57
G0782464		10	<1	0.09	10	2.33	761	<1	0.02	69	510	<2	<0.01	<2	5	66
G0782465		10	<1	0.04	<10	2.74	815	<1	0.03	89	470	<2	<0.01	<2	7	59
G0782466		10	<1	0.02	<10	2.91	763	<1	0.04	87	420	<2	<0.01	<2	11	47
G0782467		10	<1	0.04	<10	2.89	836	<1	0.04	92	460	<2	<0.01	<2	9	55
G0782468		10	<1	0.02	<10	3.14	815	<1	0.04	103	450	<2	<0.01	<2	14	48
G0782469		10	<1	0.02	<10	2.80	826	<1	0.04	91	430	<2	<0.01	<2	11	60
G0782470		<10	<1	0.01	10	0.01	11	<1	<0.01	<1	30	<2	<0.01	<2	<1	2
G0782471		10	1	0.01	<10	2.83	861	<1	0.05	93	430	<2	<0.01	<2	13	67
G0782472		10	<1	0.03	<10	2.84	889	<1	0.04	95	450	<2	<0.01	<2	11	67



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CERTIFICATE OF ANALYSIS SD09080822

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
C165936		112	<20	0.10	<10	<10	104	<10	141
C165937		121	<20	0.09	<10	<10	102	<10	111
C165938		130	<20	0.07	<10	<10	48	<10	73
C165946		82	<20	0.07	<10	<10	58	<10	516
C168948		80	<20	0.08	<10	<10	73	<10	285
C165983		45	<20	0.04	<10	<10	7	<10	32
C165988		30	<20	0.05	<10	<10	14	10	23
C165996		192	<20	0.06	<10	<10	61	<10	30
G0780271		40	<20	0.15	<10	<10	139	<10	48
G0780272		64	<20	0.12	<10	<10	85	<10	37
G0780297		29	<20	0.05	<10	<10	19	10	10
G0780298		24	<20	0.05	<10	<10	21	20	13



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P.O. No.:

This report is for 12 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 31-JUL-2009.

The following have access to data associated with this certificate:

WALTER HANYCH

ROBIN ROSS

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

To: MANTIS MINERAL CORP
ATTN: WALTER HANYCH
8 KING STREET EAST
SUITE 1500
TORONTO ON M5C 1B5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Total # Pages: 2 (A - C)
Finalized Date: 14-AUG-2009
Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS SD09080822

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-GRA21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
C165936		0.72	0.248		<0.2	3.35	<2	<10	10	<0.5	<2	5.37	<0.5	22	303	120
C165937		1.04	0.461		0.7	2.91	9	<10	<10	<0.5	<2	5.99	<0.5	27	258	337
C165938		1.50	0.648		1.0	2.13	17	<10	20	<0.5	<2	7.01	<0.5	23	131	523
C165946		1.82	3.21		3.6	1.25	26	<10	30	<0.5	4	4.13	16.3	19	92	276
C168948		1.84	>10.0	11.55	8.1	3.14	44	<10	<10	<0.5	12	4.75	3.2	31	641	271
C165963		1.30	0.085		0.4	1.19	15	<10	30	<0.5	<2	5.39	<0.5	42	16	99
C165988		1.26	0.110		0.5	1.19	5	<10	30	<0.5	3	4.38	<0.5	16	68	50
C165996		1.18	0.030		0.5	2.40	6	<10	10	<0.5	<2	20.2	<0.5	24	81	150
G0780271		2.54	0.026		0.7	3.74	13	<10	<10	<0.5	<2	7.91	<0.5	33	177	224
G0780272		2.58	0.022		0.3	3.11	8	<10	280	<0.5	<2	6.80	<0.5	27	133	39
G0780297		1.30	0.019		1.1	0.62	6	<10	30	<0.5	3	4.37	<0.5	16	24	116
G0780298		0.98	0.010		0.4	0.82	2	<10	50	<0.5	<2	2.29	<0.5	13	14	83



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Page: 2 - B
Total # Pages: 2 (A - C)
Finalized Date: 14-AUG-2009
Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS SD09080822

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
C165936		5.18	10	<1	0.01	30	3.00	793	3	0.04	128	1020	2	0.07	<2	13
C165937		5.42	10	<1	0.01	20	2.23	758	<1	0.04	121	1160	4	0.52	<2	11
C165938		4.01	10	1	0.08	10	1.46	680	1	0.03	101	710	3	0.61	<2	5
C165946		3.56	10	2	0.04	<10	1.14	423	10	0.05	68	380	1140	2.11	<2	5
C168948		4.42	10	1	<0.01	<10	3.74	801	<1	0.02	237	240	250	0.91	<2	11
C165983		3.21	<10	<1	0.22	10	0.53	438	1	0.01	45	460	5	1.73	<2	1
C165988		2.90	<10	<1	0.15	10	0.82	408	75	0.03	46	500	4	1.55	<2	2
C165996		3.93	10	<1	0.04	<10	1.84	1480	1	0.01	61	110	5	0.8	<2	10
G0780271		6.07	10	<1	<0.01	<10	3.16	1030	3	0.02	71	220	5	0.54	<2	8
G0780272		4.72	10	<1	<0.01	<10	2.75	809	2	0.01	68	310	14	0.31	2	4
G0780297		3.54	<10	<1	0.11	<10	0.24	320	1	0.06	28	480	11	3.23	2	3
G0780298		2.42	<10	<1	0.13	<10	0.38	245	2	0.04	24	610	2	1.48	<2	2



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Page: 4 - C
Total # Pages: 4 (A - C)
Finalized Date: 24-AUG-2009
Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS SD09080823

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G0780225		<20	0.19	<10	<10	77	<10	29
G0780226		<20	0.21	<10	<10	93	<10	37



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Page: 1
Finalized Date: 24-AUG-2009
This copy reported on 28-AUG-2009
Account: MANTMN

CERTIFICATE SD09080823

Project: CREE LAKE

P.O. No.:

This report is for 82 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 31-JUL-2009.

The following have access to data associated with this certificate:

WALTER HANYCH

ROBIN ROSS

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

To: MANTIS MINERAL CORP
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Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Total # Pages: 4 (A - C)
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CERTIFICATE OF ANALYSIS SD09080823

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
C165927		1.60	0.055	<0.2	2.50	4	<10	20	<0.5	<2	3.60	<0.5	18	168	161	4.34
C165928		2.04	0.065	<0.2	2.75	5	<10	20	<0.5	<2	5.87	<0.5	22	254	28	4.97
C165929		1.84	0.112	<0.2	2.83	11	<10	10	<0.5	<2	5.07	<0.5	23	251	56	5.02
C165930		0.10	3.49	3.9	1.48	279	<10	450	<0.5	<2	1.33	1.5	9	56	72	3.39
C165931		1.48	1.560	0.3	3.02	8	<10	10	<0.5	<2	5.31	<0.5	21	284	36	5.41
C165932		1.78	3.23	0.6	3.18	21	<10	10	<0.5	<2	5.31	<0.5	28	319	89	6.33
C165933		1.70	4.30	0.6	3.59	3	<10	10	<0.5	<2	4.43	<0.5	24	339	34	5.49
C165934		1.56	2.18	0.7	3.36	6	<10	10	<0.5	<2	3.64	<0.5	23	330	563	5.05
C165935		1.56	0.733	0.3	3.25	5	<10	10	<0.5	<2	4.77	<0.5	23	315	125	5.21
C165939		1.68	3.32	1.3	2.91	8	<10	20	<0.5	<2	4.67	<0.5	23	196	164	4.61
C165940		0.08	1.055	0.5	4.61	1420	<10	110	<0.5	<2	6.91	<0.5	25	246	107	5.37
C165941		2.50	0.953	0.5	2.21	8	<10	20	<0.5	<2	3.62	<0.5	21	107	161	3.63
C165942		2.58	0.643	0.5	2.37	6	<10	20	<0.5	<2	2.95	<0.5	20	125	272	3.61
C165943		1.52	1.165	0.9	2.30	11	<10	40	<0.5	<2	3.95	<0.5	20	84	230	3.83
C165944		1.70	0.175	<0.2	1.82	10	<10	50	<0.5	<2	3.17	<0.5	18	64	53	3.01
C165945		1.14	0.052	<0.2	1.95	2	<10	20	<0.5	<2	3.15	<0.5	18	110	50	3.36
C165947		1.06	0.370	2.4	2.84	10	<10	20	<0.5	3	7.79	<0.5	26	490	14	4.39
C165949		1.94	0.744	0.6	3.51	12	<10	<10	<0.5	<2	4.03	0.7	32	705	35	4.10
C165950		0.08	<0.005	<0.2	0.03	<2	<10	<10	<0.5	3	0.14	<0.5	1	3	1	0.04
C165951		1.54	0.014	0.3	3.50	<2	<10	10	<0.5	<2	3.18	<0.5	29	694	8	3.92
C165952		1.84	0.006	<0.2	3.41	<2	<10	<10	<0.5	<2	1.97	<0.5	29	689	4	3.89
C165953		2.42	0.030	<0.2	3.70	<2	<10	<10	<0.5	<2	2.04	<0.5	31	719	15	4.21
C165954		2.48	0.010	<0.2	3.69	6	<10	<10	<0.5	2	3.16	<0.5	29	667	31	4.30
C165955		1.64	0.008	<0.2	3.47	7	<10	<10	<0.5	<2	2.16	<0.5	31	727	9	4.02
C165956		1.96	0.008	<0.2	3.32	14	<10	<10	<0.5	<2	1.80	<0.5	30	681	3	3.94
C165957		1.38	0.012	<0.2	3.13	16	<10	<10	<0.5	<2	1.11	<0.5	30	669	13	3.80
C165958		1.78	0.008	<0.2	3.08	18	<10	<10	<0.5	<2	1.12	<0.5	30	643	8	3.70
C165959		1.88	0.008	<0.2	3.15	23	<10	<10	<0.5	<2	1.09	<0.5	30	659	12	3.72
C165960		0.10	3.47	3.9	1.49	274	<10	430	<0.5	3	1.31	1.6	10	56	73	3.41
C165961		1.90	0.007	<0.2	3.18	27	<10	<10	<0.5	<2	2.03	<0.5	30	652	5	3.75
C165962		2.16	0.047	<0.2	2.96	36	<10	<10	<0.5	<2	1.56	<0.5	32	618	28	3.50
C165963		2.44	0.025	<0.2	3.14	35	<10	<10	<0.5	2	0.94	<0.5	32	668	58	3.76
C165964		2.64	0.029	<0.2	2.97	29	<10	<10	<0.5	5	1.05	<0.5	30	620	36	3.57
C165965		2.88	<0.005	<0.2	3.37	33	<10	<10	<0.5	6	1.94	<0.5	31	664	13	3.95
C165966		2.52	0.009	0.2	2.95	28	<10	<10	<0.5	3	1.07	<0.5	29	607	21	3.53
C165967		2.78	0.006	<0.2	3.18	35	<10	<10	<0.5	6	1.13	<0.5	33	651	12	3.93
C165968		2.74	0.019	0.4	2.73	24	<10	10	<0.5	6	1.25	<0.5	27	661	15	3.50
C165969		2.60	0.010	<0.2	2.93	18	<10	10	<0.5	4	1.07	<0.5	28	681	19	3.74
C165970		0.06	1.090	0.4	4.42	1370	<10	110	<0.5	5	6.71	<0.5	24	235	101	5.17
C165971		2.94	0.010	0.2	2.91	19	<10	20	<0.5	5	1.83	<0.5	26	566	8	3.65



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Page: 2 - B
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Finalized Date: 24-AUG-2009
Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS SD09080823

Sample Description	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
C165927	10	1	0.11	20	1.86	538	<1	0.06	103	720	<2	0.23	<2	7	86
C165928	10	1	0.02	30	2.20	723	<1	0.07	103	1010	<2	0.39	<2	11	140
C165929	10	1	0.03	30	2.35	739	<1	0.06	107	940	2	0.30	<2	11	109
C165930	<10	4	0.14	10	0.82	448	11	0.06	39	750	287	0.63	27	4	34
C165931	10	1	0.01	30	2.57	754	3	0.06	112	1160	<2	0.34	2	12	118
C165932	10	1	0.01	30	2.66	798	1	0.05	151	1230	6	0.90	<2	12	109
C165933	10	1	0.01	40	3.41	813	<1	0.05	152	1210	<2	0.02	<2	13	91
C165934	10	1	0.01	30	3.27	741	2	0.05	132	1060	2	0.10	<2	11	83
C165935	10	<1	0.01	40	2.88	778	14	0.06	129	1040	<2	0.11	<2	13	95
C165939	20	1	0.07	30	2.47	664	<1	0.07	128	1000	3	0.23	<2	10	103
C165940	10	1	0.76	10	3.21	1400	<1	0.12	122	370	17	0.59	48	14	111
C165941	10	<1	0.07	10	1.84	473	1	0.11	114	430	<2	0.35	<2	6	82
C165942	10	1	0.12	10	1.97	483	<1	0.07	154	430	<2	0.17	<2	4	61
C165943	10	<1	0.19	10	1.60	552	<1	0.07	117	420	<2	0.28	<2	4	72
C165944	10	1	0.25	10	1.09	430	<1	0.06	94	450	<2	0.16	<2	3	59
C165945	10	1	0.07	10	1.50	474	5	0.11	71	420	<2	0.27	<2	5	68
C165947	10	1	0.03	10	3.14	964	6	0.03	205	230	14	1.09	<2	10	143
C165949	10	1	<0.01	10	4.55	782	<1	0.05	257	270	40	0.23	<2	6	74
C165950	<10	<1	0.01	10	0.02	13	<1	<0.01	<1	40	<2	0.01	<2	<1	3
C165951	10	1	<0.01	10	4.64	729	<1	0.05	256	280	<2	0.04	<2	4	60
C165952	10	1	<0.01	10	4.60	695	<1	0.06	252	280	<2	0.01	<2	3	44
C165953	10	1	<0.01	10	4.99	760	<1	0.06	271	280	<2	0.03	<2	4	39
C165954	10	<1	<0.01	10	4.78	786	<1	0.05	257	270	<2	0.05	<2	5	58
C165955	10	1	<0.01	10	4.59	698	<1	0.06	270	280	<2	0.01	<2	3	47
C165956	10	1	<0.01	<10	4.44	664	<1	0.06	260	280	<2	<0.01	<2	3	38
C165957	10	1	<0.01	<10	4.18	633	<1	0.06	247	280	<2	<0.01	<2	3	27
C165958	10	1	<0.01	<10	4.11	625	<1	0.07	241	270	4	0.01	<2	3	29
C165959	10	1	<0.01	<10	4.23	625	<1	0.06	250	280	2	0.01	<2	3	29
C165960	<10	5	0.14	10	0.82	450	12	0.06	38	760	283	0.63	26	4	35
C165961	10	1	0.01	10	4.13	634	1	0.07	245	270	2	0.01	<2	3	40
C165962	10	1	<0.01	<10	3.88	562	<1	0.07	235	270	6	0.02	<2	3	34
C165963	10	<1	<0.01	<10	4.03	579	<1	0.06	249	290	12	0.01	<2	3	28
C165964	10	<1	<0.01	<10	3.80	571	<1	0.06	237	290	6	0.01	<2	2	25
C165965	10	<1	<0.01	10	4.23	677	<1	0.06	252	280	6	0.01	<2	3	39
C165966	10	<1	<0.01	<10	3.72	614	<1	0.06	236	280	5	0.01	<2	2	32
C165967	10	1	<0.01	<10	3.92	691	<1	0.05	244	280	5	0.01	<2	2	32
C165968	10	<1	0.01	<10	3.34	658	1	0.06	226	260	16	0.01	<2	2	33
C165969	10	<1	0.01	10	3.57	733	<1	0.05	229	300	<2	<0.01	<2	2	31
C165970	10	<1	0.73	10	2.99	1340	<1	0.12	115	350	16	0.60	45	14	113
C165971	10	1	0.01	10	3.34	774	1	0.06	197	280	<2	0.01	<2	3	55



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To: MANTIS MINERAL CORP
8 KING STREET EAST
SUITE 1500
TORONTO ON M5C 1B5

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Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS SD09080823

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
C165927		<20	0.03	<10	<10	66	<10	66
C165928		<20	0.09	<10	<10	89	<10	45
C165929		<20	0.09	<10	<10	81	<10	54
C165930		<20	0.10	<10	<10	61	<10	266
C165931		<20	0.11	<10	<10	98	<10	52
C165932		<20	0.10	<10	<10	98	<10	53
C165933		<20	0.11	<10	<10	103	<10	66
C165934		<20	0.11	<10	<10	102	<10	77
C165935		<20	0.11	<10	<10	105	<10	114
C165939		<20	0.14	<10	<10	83	<10	81
C165940		<20	0.10	<10	<10	163	10	65
C165941		<20	0.12	<10	<10	60	<10	78
C165942		<20	0.13	<10	<10	48	<10	146
C165943		<20	0.14	<10	<10	43	<10	160
C165944		<20	0.13	<10	<10	28	<10	112
C165945		<20	0.13	<10	<10	52	<10	147
C165947		<20	0.10	<10	<10	100	<10	199
C165949		<20	0.12	<10	<10	77	<10	115
C165950		<20	<0.01	<10	<10	<1	<10	<2
C165951		<20	0.14	<10	<10	75	<10	70
C165952		<20	0.15	<10	<10	67	<10	51
C165953		<20	0.16	<10	<10	74	<10	52
C165954		<20	0.16	<10	<10	74	<10	47
C165955		<20	0.18	<10	<10	68	<10	43
C165956		<20	0.17	<10	<10	65	<10	41
C165957		<20	0.17	<10	<10	62	<10	38
C165958		<20	0.16	<10	<10	59	<10	38
C165959		<20	0.17	<10	<10	61	<10	39
C165960		<20	0.10	<10	<10	60	<10	272
C165961		<20	0.17	<10	<10	61	<10	39
C165962		<20	0.16	<10	<10	55	<10	35
C165963		<20	0.16	<10	<10	57	<10	41
C165964		<20	0.15	<10	<10	55	<10	35
C165965		<20	0.16	<10	<10	61	<10	38
C165966		<20	0.16	<10	<10	50	<10	33
C165967		<20	0.16	<10	<10	52	<10	35
C165968		<20	0.14	<10	<10	47	<10	30
C165969		<20	0.15	<10	<10	49	<10	32
C165970		<20	0.09	<10	<10	156	10	62
C165971		<20	0.17	<10	<10	52	<10	32



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8 KING STREET EAST
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Project: CREE LAKE

CERTIFICATE OF ANALYSIS SD09080823

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
C165972		1.58	0.005	0.2	2.44	9	<10	10	<0.5	6	1.97	<0.5	20	285	41	3.49
C165973		1.80	0.007	<0.2	2.71	2	<10	20	<0.5	3	2.42	<0.5	20	299	41	3.82
C165974		0.94	0.015	<0.2	2.78	3	<10	10	<0.5	3	2.31	<0.5	19	255	51	3.94
C165975		0.82	0.016	0.3	2.05	<2	<10	30	<0.5	3	1.33	<0.5	17	72	66	3.29
C165976		1.86	0.041	0.2	1.95	<2	<10	40	<0.5	4	2.26	<0.5	17	59	80	3.07
C165977		1.70	0.057	<0.2	2.05	<2	<10	30	<0.5	4	2.30	<0.5	17	57	119	3.17
C165978		1.56	0.102	<0.2	1.93	<2	<10	30	<0.5	3	2.17	<0.5	16	51	60	3.00
C165979		1.16	<0.005	<0.2	1.80	<2	<10	30	<0.5	3	2.77	<0.5	16	48	10	3.00
C165980		0.06	<0.005	<0.2	0.03	3	<10	<10	<0.5	<2	0.13	<0.5	<1	2	3	0.04
C165981		0.86	0.138	<0.2	1.84	9	<10	50	<0.5	4	3.50	<0.5	15	25	86	2.89
C165982		1.14	<0.005	<0.2	1.70	<2	<10	40	<0.5	4	3.42	<0.5	11	27	25	2.60
C165984		1.56	0.018	<0.2	1.85	<2	<10	50	<0.5	4	3.81	<0.5	19	44	89	2.78
C165985		1.28	0.009	<0.2	1.52	3	<10	40	<0.5	3	3.78	<0.5	13	32	60	2.27
C165986		0.70	0.042	0.2	1.32	9	<10	50	<0.5	4	5.96	<0.5	19	15	136	2.38
C165987		1.16	0.005	0.2	1.29	2	<10	50	<0.5	4	2.47	<0.5	14	19	117	2.00
C165989		1.92	<0.005	<0.2	2.68	<2	<10	30	<0.5	4	4.28	<0.5	16	238	<1	3.55
C165990		0.08	3.54	3.9	1.38	258	<10	390	<0.5	5	1.24	1.7	9	51	68	3.22
C165991		1.20	0.005	<0.2	2.73	<2	<10	20	<0.5	4	4.28	<0.5	20	268	3	3.83
C165992		2.40	0.025	0.2	3.83	3	<10	10	<0.5	6	5.01	<0.5	30	216	130	5.84
C165993		2.72	0.022	0.2	4.81	<2	<10	<10	<0.5	8	5.42	<0.5	40	221	200	7.31
C165994		1.42	0.019	<0.2	4.55	<2	<10	10	<0.5	7	6.14	<0.5	34	202	257	6.75
C165995		1.92	0.015	0.2	4.59	5	10	10	<0.5	6	5.58	<0.5	43	207	264	7.15
C165997		2.74	0.248	0.4	4.33	22	10	40	<0.5	7	1.96	<0.5	37	132	179	8.10
C165998		2.66	0.055	0.6	3.87	20	<10	30	<0.5	5	3.99	<0.5	33	113	265	7.84
C165999		2.56	0.018	0.2	4.97	5	10	10	<0.5	5	6.42	<0.5	31	199	12	7.63
C166000		0.08	1.010	0.4	4.36	1350	<10	110	<0.5	6	6.62	<0.5	24	231	100	5.11
G0780211		1.68	0.021	<0.2	4.93	10	<10	20	<0.5	7	5.81	<0.5	33	191	129	7.56
G0780212		2.30	0.067	<0.2	4.69	6	<10	10	<0.5	<2	5.11	<0.5	40	199	452	6.78
G0780213		2.36	0.012	<0.2	3.48	<2	<10	<10	<0.5	<2	3.84	<0.5	29	160	29	4.85
G0780214		2.42	0.035	<0.2	3.27	5	<10	<10	<0.5	<2	5.46	<0.5	28	118	71	5.27
G0780215		2.54	0.050	<0.2	4.07	5	<10	<10	<0.5	<2	3.56	<0.5	36	176	350	5.25
G0780216		2.58	0.024	0.3	4.53	13	<10	<10	<0.5	<2	2.93	<0.5	43	203	610	5.80
G0780217		1.74	0.038	0.2	3.23	11	<10	<10	<0.5	<2	3.50	<0.5	31	143	193	4.38
G0780218		1.70	0.068	<0.2	3.20	6	<10	20	<0.5	<2	4.16	<0.5	24	159	238	5.31
G0780219		1.96	0.093	<0.2	3.74	12	<10	<10	<0.5	<2	3.63	<0.5	37	185	254	6.40
G0780220		0.08	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.13	<0.5	<1	2	3	0.03
G0780221		1.10	<0.005	<0.2	2.61	4	<10	<10	<0.5	<2	2.87	<0.5	21	127	8	3.90
G0780222		1.40	<0.005	<0.2	2.68	<2	<10	<10	<0.5	<2	4.05	<0.5	21	142	5	4.15
G0780223		1.54	0.015	<0.2	4.39	7	<10	<10	<0.5	<2	6.14	<0.5	39	215	187	6.62
G0780224		2.06	<0.005	<0.2	2.97	<2	<10	<10	<0.5	<2	4.34	<0.5	21	135	49	4.20



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Project: CREE LAKE

CERTIFICATE OF ANALYSIS SD09080823

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
C165972		10	<1	0.03	10	2.27	630	<1	0.10	106	360	<2	0.02	<2	4	48
C165973		10	1	0.06	10	2.48	635	1	0.09	106	370	<2	0.04	<2	6	37
C165974		10	<1	0.02	10	2.52	619	1	0.10	100	470	<2	0.03	<2	5	41
C165975		10	1	0.10	10	1.46	430	<1	0.10	43	550	<2	0.05	<2	4	28
C165976		10	<1	0.14	10	1.28	417	<1	0.09	39	520	<2	0.11	<2	3	38
C165977		10	1	0.17	10	1.34	444	1	0.09	38	540	<2	0.07	<2	3	35
C165978		10	<1	0.22	10	1.20	424	1	0.07	34	530	<2	0.07	<2	3	25
C165979		10	1	0.20	10	1.09	449	1	0.06	34	530	<2	0.12	<2	2	27
C165980		<10	<1	0.01	10	0.01	11	<1	<0.01	<1	40	<2	0.01	<2	<1	1
C165981		<10	<1	0.34	10	0.90	467	1	0.02	33	520	<2	0.30	<2	1	28
C165982		<10	<1	0.30	10	0.83	450	1	0.01	31	530	<2	0.11	<2	1	28
C165984		<10	<1	0.34	10	0.87	479	1	0.04	37	530	<2	0.14	<2	2	34
C165985		<10	<1	0.30	10	0.72	427	1	0.03	32	490	<2	0.09	<2	1	31
C165986		<10	<1	0.39	10	0.48	472	2	0.01	29	420	<2	1.10	<2	1	51
C165987		<10	1	0.35	10	0.55	303	1	0.01	31	550	<2	0.48	<2	1	22
C165989		10	1	0.15	10	2.24	662	1	0.06	96	370	<2	0.04	<2	5	34
C165990		<10	5	0.13	10	0.75	423	11	0.05	38	710	269	0.61	25	4	34
C165991		10	<1	0.12	10	2.30	675	1	0.06	104	370	<2	0.13	<2	5	33
C165992		10	<1	0.03	10	3.11	921	<1	0.06	118	320	<2	0.20	<2	17	38
C165993		10	<1	0.01	<10	4.16	1120	<1	0.04	139	220	<2	0.12	<2	14	48
C165994		10	1	0.04	<10	3.90	1070	1	0.03	128	210	<2	0.05	<2	16	51
C165995		10	1	0.06	<10	3.86	1065	4	0.03	132	220	<2	0.59	<2	21	44
C165997		10	<1	0.25	10	3.00	932	2	0.01	91	450	<2	1.17	<2	5	16
C165998		10	1	0.24	10	2.44	990	3	0.01	84	380	2	1.72	2	6	31
C165999		10	1	0.11	<10	4.02	1315	<1	0.03	127	220	<2	0.20	<2	20	36
C166000		10	1	0.72	10	2.95	1325	<1	0.12	113	360	16	0.59	45	13	112
G0780211		10	1	0.14	<10	3.93	1260	<1	0.02	130	230	4	0.45	<2	18	31
G0780212		10	<1	0.06	<10	4.15	1125	<1	0.05	135	230	3	0.32	4	12	44
G0780213		10	<1	0.02	10	3.14	788	<1	0.07	110	350	5	0.06	2	5	66
G0780214		10	<1	0.03	10	2.59	861	<1	0.07	82	350	<2	0.24	<2	4	34
G0780215		10	<1	<0.01	<10	3.90	907	<1	0.03	118	230	<2	0.06	3	6	77
G0780216		10	1	<0.01	<10	4.27	957	<1	0.02	144	250	2	0.14	6	8	102
G0780217		<10	<1	<0.01	<10	2.84	735	<1	0.04	106	220	2	0.09	2	6	74
G0780218		10	<1	0.08	10	2.33	775	<1	0.10	86	380	<2	0.15	2	7	23
G0780219		10	<1	0.01	<10	2.96	862	<1	0.07	123	250	<2	0.58	<2	7	48
G0780220		<10	<1	0.01	10	0.01	12	<1	<0.01	<1	30	<2	0.01	2	<1	2
G0780221		<10	<1	0.01	10	2.21	597	<1	0.13	76	660	<2	0.04	2	4	35
G0780222		10	<1	0.01	10	2.19	662	<1	0.12	82	670	<2	0.06	3	5	31
G0780223		10	<1	0.01	<10	3.68	1110	<1	0.06	121	260	<2	0.49	<2	13	36
G0780224		10	<1	0.01	<10	2.59	751	1	0.05	88	330	<2	0.05	3	4	54



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CERTIFICATE OF ANALYSIS SD09080823

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
C165972		<20	0.14	<10	<10	60	<10	33
C165973		<20	0.17	<10	<10	61	<10	35
C165974		<20	0.20	<10	<10	84	<10	37
C165975		<20	0.15	<10	<10	42	<10	33
C165976		<20	0.14	<10	<10	32	<10	34
C165977		<20	0.13	<10	<10	34	<10	35
C165978		<20	0.10	<10	<10	28	<10	38
C165979		<20	0.10	<10	<10	25	<10	40
C165980		<20	<0.01	<10	<10	<1	<10	2
C165981		<20	0.07	<10	<10	11	<10	36
C165982		<20	0.08	<10	<10	11	<10	35
C165984		<20	0.09	<10	<10	21	<10	39
C165985		<20	0.07	<10	<10	12	<10	31
C165986		<20	0.05	<10	<10	10	10	19
C165987		<20	0.07	<10	<10	9	10	20
C165989		<20	0.11	<10	<10	43	<10	46
C165990		<20	0.08	<10	<10	56	<10	254
C165991		<20	0.12	<10	<10	49	<10	40
C165992		<20	0.17	<10	<10	136	<10	46
C165993		<20	0.23	<10	<10	192	<10	55
C165994		<20	0.24	<10	10	168	<10	54
C165995		<20	0.20	<10	<10	167	<10	56
C165997		<20	0.09	<10	<10	58	<10	57
C165998		<20	0.08	<10	<10	65	10	57
C165999		<20	0.19	<10	<10	166	<10	84
C166000		<20	0.09	<10	<10	154	10	61
G0780211		<20	0.19	<10	<10	151	<10	87
G0780212		<20	0.21	<10	<10	160	<10	110
G0780213		<20	0.15	<10	<10	92	<10	73
G0780214		<20	0.12	<10	<10	72	<10	47
G0780215		<20	0.24	<10	<10	114	<10	45
G0780216		<20	0.31	<10	<10	118	<10	49
G0780217		<20	0.18	<10	<10	94	<10	34
G0780218		<20	0.16	<10	<10	115	<10	36
G0780219		<20	0.18	<10	<10	130	<10	41
G0780220		<20	<0.01	<10	<10	1	<10	<2
G0780221		<20	0.13	<10	<10	71	<10	30
G0780222		<20	0.12	<10	<10	79	<10	31
G0780223		<20	0.27	<10	<10	173	10	51
G0780224		<20	0.17	<10	<10	80	<10	34



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CERTIFICATE OF ANALYSIS	SD09080823
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Sample Description	Method	Analyte	Units	LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41			
					Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
					kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
					0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G0780225					2.48	0.019	<0.2	2.52	2	<10	10	<0.5	<2	2.82	<0.5	19	128	106	3.61
G0780226					2.30	0.016	<0.2	3.16	4	20	<10	<0.5	<2	2.37	<0.5	28	153	171	4.66



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SUITE 1500
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Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS SD09080823

	Method Analyte Units LOR	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2	ME-ICP41 Sc ppm 1	ME-ICP41 Sr ppm 1
G0780225		<10	<1	0.02	10	2.14	641	1	0.11	76	400	<2	0.05	3	4	48
G0780226		10	<1	0.01	<10	2.85	846	<1	0.06	99	230	<2	0.08	2	5	45



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CERTIFICATE OF ANALYSIS SD09080824

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G0780311		<20	0.22	<10	<10	113	<10	43



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This copy reported on 28-AUG-2009
Account: MANTMN

CERTIFICATE SD09080824

Project: CREE LAKE

P.O. No.:

This report is for 81 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 31-JUL-2009.

The following have access to data associated with this certificate:

WALTER HANYCH

ROBIN ROSS

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

To: MANTIS MINERAL CORP
ATTN: WALTER HANYCH
8 KING STREET EAST
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TORONTO ON M5C 1B5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS SD09080824

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G0780227		2.72	0.011	<0.2	2.85	3	<10	10	<0.5	<2	2.08	<0.5	28	143	85	4.22
G0780228		2.86	0.033	<0.2	2.91	3	<10	<10	<0.5	<2	1.89	<0.5	29	139	214	4.32
G0780229		2.84	0.036	0.2	3.12	4	<10	10	<0.5	<2	3.04	<0.5	30	145	201	4.63
G0780230		0.10	3.48	3.7	1.47	276	<10	400	<0.5	<2	1.29	1.5	9	53	76	3.22
G0780231		2.60	0.044	<0.2	3.60	16	<10	<10	<0.5	<2	5.17	<0.5	33	171	157	5.78
G0780232		2.18	0.045	0.2	3.89	30	<10	<10	<0.5	<2	2.69	<0.5	39	191	201	7.32
G0780233		2.64	0.108	0.2	3.07	27	10	<10	<0.5	<2	2.63	<0.5	35	139	154	5.79
G0780234		2.70	0.036	<0.2	2.52	21	<10	10	<0.5	<2	1.51	<0.5	25	116	214	4.04
G0780235		2.58	0.014	<0.2	3.48	27	<10	<10	<0.5	<2	2.88	<0.5	32	168	79	6.00
G0780236		2.60	0.065	<0.2	3.63	36	<10	10	<0.5	<2	4.33	<0.5	37	186	104	6.21
G0780237		1.98	0.030	<0.2	3.47	29	<10	10	<0.5	<2	3.48	<0.5	30	155	242	5.45
G0780238		2.58	0.045	0.2	3.73	21	<10	10	<0.5	<2	6.96	<0.5	32	170	202	5.97
G0780239		2.52	0.025	<0.2	4.13	27	<10	10	<0.5	<2	5.61	<0.5	35	189	169	6.59
G0780240		0.08	1.075	<0.2	4.59	1470	<10	110	<0.5	<2	6.50	<0.5	24	242	112	5.25
G0780241		2.52	0.033	<0.2	3.01	22	20	<10	<0.5	<2	3.69	<0.5	30	144	36	5.04
G0780242		3.22	0.091	0.3	3.42	22	<10	10	<0.5	<2	3.26	<0.5	30	165	326	5.01
G0780243		1.76	0.019	<0.2	2.36	10	<10	10	<0.5	<2	5.59	<0.5	19	135	16	3.60
G0780244		2.44	0.065	<0.2	4.28	17	<10	10	<0.5	<2	5.60	<0.5	38	204	122	6.73
G0780245		1.98	0.027	<0.2	1.82	6	<10	10	<0.5	<2	2.84	<0.5	14	119	13	2.80
G0780246		1.82	0.032	<0.2	1.53	13	<10	20	<0.5	<2	2.17	<0.5	12	76	29	2.65
G0780247		2.50	0.145	<0.2	2.67	20	<10	10	<0.5	<2	3.53	<0.5	23	121	202	3.92
G0780248		1.24	0.052	<0.2	1.95	13	<10	10	<0.5	<2	0.76	<0.5	15	110	28	3.05
G0780249		1.24	0.029	<0.2	1.95	16	<10	20	<0.5	<2	2.47	<0.5	17	87	35	3.02
G0780250		0.08	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.13	<0.5	<1	2	2	0.03
G0780251		1.96	0.008	<0.2	3.29	34	50	<10	<0.5	<2	1.92	<0.5	34	160	368	5.12
G0780252		2.40	<0.005	<0.2	2.28	30	40	<10	<0.5	<2	2.97	<0.5	27	115	243	3.35
G0780253		2.40	0.011	<0.2	3.27	34	10	<10	<0.5	<2	1.30	<0.5	36	173	129	5.13
G0780254		2.50	0.056	<0.2	2.68	16	<10	<10	<0.5	<2	2.36	<0.5	22	157	5	4.11
G0780255		2.44	0.043	<0.2	2.37	24	<10	<10	<0.5	<2	1.78	<0.5	22	157	10	3.70
G0780256		2.40	0.006	<0.2	1.75	24	<10	10	<0.5	<2	1.61	<0.5	17	108	34	2.83
G0780257		2.62	0.008	<0.2	2.70	25	<10	<10	<0.5	<2	2.60	<0.5	23	149	24	4.34
G0780258		2.04	0.120	<0.2	3.26	46	<10	10	<0.5	<2	3.35	<0.5	29	175	242	5.19
G0780259		2.56	0.069	<0.2	2.20	22	<10	10	<0.5	<2	3.95	<0.5	24	66	57	3.79
G0780260		0.10	3.45	3.8	1.48	280	<10	350	<0.5	<2	1.31	1.7	10	55	78	3.42
G0780261		2.54	0.110	<0.2	2.60	45	<10	10	<0.5	<2	3.09	<0.5	35	75	106	4.31
G0780262		2.28	0.023	<0.2	2.49	34	<10	10	<0.5	<2	2.26	<0.5	23	73	27	4.02
G0780263		2.48	0.157	<0.2	2.42	34	<10	20	<0.5	<2	2.50	<0.5	24	147	187	3.98
G0780264		1.76	0.190	0.2	4.37	36	<10	<10	<0.5	2	4.36	<0.5	39	229	55	7.27
G0780265		1.18	3.39	14.6	4.34	39	<10	<10	<0.5	22	5.11	2.2	57	176	733	8.34
G0780266		2.70	0.035	<0.2	4.41	28	<10	<10	<0.5	5	5.17	<0.5	38	188	125	7.14



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Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS SD09080824

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G0780227		<10	<1	0.02	<10	2.57	729	<1	0.05	93	240	<2	0.12	2	4
G0780228		<10	<1	0.02	<10	2.68	698	<1	0.06	97	240	<2	0.08	<2	4
G0780229		10	<1	0.03	<10	2.84	730	<1	0.06	103	240	<2	0.12	<2	5
G0780230		<10	5	0.14	10	0.79	445	12	0.06	37	750	275	0.64	30	4
G0780231		10	<1	0.01	<10	3.11	865	1	0.04	105	200	<2	0.45	2	7
G0780232		10	<1	0.01	<10	3.08	818	<1	0.06	112	250	<2	0.89	<2	7
G0780233		10	<1	0.01	<10	2.35	589	<1	0.06	96	230	3	1.02	3	5
G0780234		<10	<1	0.04	<10	1.96	478	1	0.09	79	230	<2	0.09	<2	5
G0780235		10	<1	0.01	<10	2.92	737	<1	0.05	102	230	2	0.32	<2	6
G0780236		10	<1	0.05	<10	2.78	819	<1	0.07	117	240	3	0.67	2	7
G0780237		10	<1	0.06	<10	2.87	816	<1	0.07	105	240	<2	0.15	2	6
G0780238		10	<1	0.03	<10	3.01	1015	<1	0.06	110	210	2	0.40	2	7
G0780239		10	<1	0.04	<10	3.41	1005	<1	0.04	118	230	<2	0.11	2	7
G0780240		10	1	0.75	<10	3.13	1355	<1	0.13	120	380	19	0.64	51	14
G0780241		10	1	0.02	<10	2.54	744	<1	0.06	100	230	<2	0.22	<2	5
G0780242		10	<1	0.03	<10	3.17	804	<1	0.05	109	240	<2	0.10	2	5
G0780243		10	<1	0.04	10	2.01	657	<1	0.10	78	600	<2	0.11	<2	5
G0780244		10	1	0.03	<10	3.64	1020	1	0.04	130	240	<2	0.54	<2	8
G0780245		10	<1	0.08	10	1.32	420	<1	0.10	64	430	<2	0.08	3	4
G0780246		10	<1	0.10	10	1.00	344	<1	0.07	45	350	<2	0.10	2	2
G0780247		<10	<1	0.02	<10	2.17	522	<1	0.07	81	220	<2	0.06	3	4
G0780248		<10	<1	0.03	10	1.63	349	2	0.07	65	410	<2	0.01	<2	3
G0780249		10	1	0.09	10	1.48	382	1	0.06	56	370	<2	0.07	<2	3
G0780250		<10	<1	0.01	10	0.01	10	<1	<0.01	<1	30	<2	<0.01	<2	<1
G0780251		10	1	0.01	<10	2.82	600	1	0.04	108	250	<2	0.06	<2	5
G0780252		10	<1	0.01	<10	1.77	435	1	0.04	73	210	<2	0.04	<2	4
G0780253		10	1	0.01	<10	2.90	581	1	0.04	111	250	<2	0.08	<2	4
G0780254		10	<1	0.01	10	2.37	526	2	0.06	83	430	<2	0.03	2	3
G0780255		10	<1	0.01	10	2.03	468	1	0.07	81	380	<2	0.04	<2	3
G0780256		10	<1	0.04	10	1.22	335	1	0.08	58	370	<2	0.01	<2	3
G0780257		10	1	0.01	10	2.15	548	1	0.07	80	430	<2	0.02	<2	5
G0780258		10	<1	0.03	10	2.56	655	2	0.06	109	430	2	0.10	3	5
G0780259		10	<1	0.05	10	1.65	464	1	0.06	46	780	3	0.34	<2	4
G0780260		<10	6	0.13	10	0.83	455	13	0.06	38	780	294	0.67	27	4
G0780261		10	1	0.03	10	1.97	497	3	0.08	54	860	2	0.27	<2	5
G0780262		10	<1	0.03	10	1.93	475	1	0.07	51	860	2	0.02	<2	3
G0780263		10	1	0.09	10	1.82	483	2	0.07	77	400	<2	0.07	<2	4
G0780264		10	<1	<0.01	<10	3.50	962	1	0.04	112	310	<2	0.19	2	8
G0780265		10	1	<0.01	<10	3.52	1035	1	0.02	101	260	286	2.00	<2	6
G0780266		10	<1	<0.01	<10	3.65	1105	2	0.03	88	280	<2	0.27	2	8



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CERTIFICATE OF ANALYSIS	SD09080824
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Sample Description	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Th	Ti	Ti	U	V	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	ppm
Method Analyte Units LOR	20	0.01	10	10	1	10	2
G0780227	<20	0.21	<10	<10	88	<10	32
G0780228	<20	0.21	<10	<10	84	<10	32
G0780229	<20	0.21	<10	<10	95	<10	34
G0780230	<20	0.09	<10	<10	59	<10	269
G0780231	<20	0.22	<10	<10	123	<10	40
G0780232	<20	0.18	<10	<10	142	<10	43
G0780233	<20	0.18	<10	<10	97	<10	32
G0780234	<20	0.21	<10	<10	81	<10	27
G0780235	<20	0.15	<10	<10	122	<10	46
G0780236	<20	0.22	<10	<10	135	<10	50
G0780237	<20	0.23	<10	<10	113	<10	46
G0780238	<20	0.17	<10	<10	141	<10	43
G0780239	<20	0.17	<10	<10	151	<10	46
G0780240	<20	0.09	<10	<10	163	20	69
G0780241	<20	0.15	<10	<10	101	<10	33
G0780242	<20	0.21	<10	<10	103	<10	36
G0780243	<20	0.09	<10	<10	78	<10	25
G0780244	<20	0.20	<10	<10	151	<10	45
G0780245	<20	0.12	<10	<10	57	<10	18
G0780246	<20	0.09	<10	<10	40	<10	16
G0780247	<20	0.21	<10	<10	80	<10	29
G0780248	<20	0.19	<10	<10	52	<10	23
G0780249	<20	0.11	<10	<10	44	<10	22
G0780250	<20	<0.01	<10	<10	<1	<10	<2
G0780251	<20	0.24	<10	<10	95	<10	36
G0780252	<20	0.24	<10	<10	68	<10	23
G0780253	<20	0.25	<10	<10	93	<10	36
G0780254	<20	0.14	<10	<10	60	<10	28
G0780255	<20	0.15	<10	<10	59	<10	25
G0780256	<20	0.15	<10	<10	46	<10	18
G0780257	<20	0.18	<10	<10	91	<10	29
G0780258	<20	0.17	<10	<10	104	<10	38
G0780259	<20	0.15	<10	<10	60	<10	27
G0780260	<20	0.09	<10	<10	59	<10	271
G0780261	<20	0.21	<10	<10	71	<10	32
G0780262	<20	0.18	<10	<10	65	<10	35
G0780263	<20	0.14	<10	<10	61	<10	45
G0780264	<20	0.26	<10	<10	162	<10	113
G0780265	<20	0.20	<10	<10	140	<10	160
G0780266	<20	0.24	<10	<10	161	<10	85



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CERTIFICATE OF ANALYSIS SD09080824

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G0780267		2.62	0.037	<0.2	4.44	24	<10	<10	<0.5	3	4.16	<0.5	39	188	160	6.79
G0780268		2.66	0.018	<0.2	4.00	27	<10	<10	<0.5	<2	5.00	<0.5	39	179	65	6.33
G0780269		2.52	0.109	<0.2	4.02	18	<10	<10	<0.5	<2	4.19	<0.5	36	178	83	6.77
G0780270		0.08	1.020	<0.2	4.53	1360	<10	110	<0.5	2	6.85	<0.5	25	239	110	5.38
G0780273		2.48	0.114	<0.2	4.12	7	<10	<10	<0.5	3	5.78	<0.5	38	192	404	6.71
G0780274		2.46	0.041	<0.2	4.72	5	<10	<10	<0.5	2	5.27	<0.5	40	213	351	7.54
G0780275		2.52	0.266	0.2	4.24	7	<10	<10	<0.5	3	6.19	<0.5	38	223	64	6.91
G0780276		2.48	0.005	<0.2	3.16	3	<10	10	<0.5	<2	6.45	<0.5	23	118	70	5.36
G0780277		2.06	0.115	<0.2	4.58	11	<10	<10	<0.5	<2	6.18	<0.5	45	232	424	8.21
G0780278		2.34	0.343	<0.2	3.52	5	<10	<10	<0.5	4	3.98	<0.5	38	174	402	6.18
G0780279		2.30	0.045	0.2	2.57	7	<10	<10	<0.5	<2	2.07	<0.5	27	127	440	4.57
G0780280		0.08	<0.005	<0.2	0.03	2	<10	<10	<0.5	<2	0.13	<0.5	1	1	3	0.03
G0780281		2.28	0.045	<0.2	2.46	8	<10	<10	<0.5	<2	1.68	<0.5	28	127	369	4.44
G0780282		2.08	0.033	<0.2	2.31	12	<10	<10	<0.5	<2	1.82	<0.5	28	119	439	3.98
G0780283		1.52	0.018	<0.2	2.63	9	<10	<10	<0.5	<2	2.93	<0.5	30	144	221	4.62
G0780284		1.66	0.012	<0.2	2.80	11	<10	<10	<0.5	<2	2.97	<0.5	34	159	46	5.19
G0780285		1.38	0.018	0.4	2.79	8	<10	<10	<0.5	5	5.00	<0.5	42	179	230	6.37
G0780286		1.74	0.024	<0.2	1.74	5	<10	10	<0.5	<2	2.32	<0.5	17	95	56	2.87
G0780287		2.02	0.015	<0.2	1.86	5	<10	10	<0.5	<2	1.91	<0.5	17	96	93	3.00
G0780288		1.94	0.042	<0.2	2.02	4	<10	20	<0.5	<2	2.17	<0.5	16	104	73	3.17
G0780289		1.84	0.016	<0.2	2.19	2	<10	20	<0.5	<2	2.57	<0.5	17	121	47	3.35
G0780290		0.10	3.38	3.8	1.55	287	<10	330	<0.5	<2	1.36	1.9	10	57	82	3.55
G0780291		1.92	0.005	<0.2	2.66	3	<10	10	<0.5	<2	1.97	<0.5	21	149	12	3.69
G0780292		1.88	<0.005	<0.2	3.42	4	<10	10	<0.5	<2	4.56	<0.5	19	115	80	4.97
G0780293		1.40	<0.005	<0.2	3.11	4	<10	10	<0.5	<2	4.20	<0.5	21	124	43	4.58
G0780294		1.60	0.010	<0.2	2.36	3	<10	20	<0.5	2	3.18	<0.5	20	129	23	3.83
G0780295		1.02	0.180	<0.2	2.91	420	<10	40	<0.5	3	5.55	<0.5	56	129	335	6.54
G0780296		1.38	0.013	<0.2	3.65	39	<10	20	<0.5	5	7.93	<0.5	42	207	215	8.23
G0780299		1.94	<0.005	<0.2	3.34	12	<10	<10	<0.5	<2	4.55	<0.5	24	121	71	5.14
G0780300		0.08	1.020	0.2	4.69	1400	<10	110	<0.5	3	7.08	<0.5	26	250	113	5.59
G0780301		2.04	<0.005	<0.2	3.17	12	<10	<10	<0.5	<2	4.59	<0.5	24	104	62	4.70
G0780302		1.86	0.005	<0.2	3.17	8	<10	<10	<0.5	<2	5.11	<0.5	24	104	63	4.86
G0780303		2.22	<0.005	<0.2	3.28	9	<10	<10	<0.5	2	5.33	<0.5	23	114	57	5.20
G0780304		1.72	0.122	<0.2	3.14	18	<10	10	<0.5	2	8.30	<0.5	29	141	134	5.77
G0780305		1.98	0.016	<0.2	3.41	10	<10	<10	<0.5	2	5.27	<0.5	30	165	132	6.00
G0780306		2.08	0.013	<0.2	4.38	16	<10	<10	<0.5	4	5.98	<0.5	40	205	154	6.96
G0780307		2.04	0.054	<0.2	2.75	12	<10	<10	<0.5	2	2.83	<0.5	30	137	369	4.53
G0780308		1.92	0.031	<0.2	2.72	15	<10	<10	<0.5	<2	3.22	<0.5	30	136	68	4.59
G0780309		1.04	0.011	<0.2	2.62	11	<10	<10	<0.5	2	1.93	<0.5	30	141	34	4.55
G0780310		0.08	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.13	<0.5	1	2	3	0.05



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Finalized Date: 24-AUG-2009
Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS SD09080824

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
G0780267		10	1	<0.01	<10	3.99	1115	1	0.04	84	280	7	0.16	<2	8	36
G0780268		10	1	<0.01	<10	3.46	1050	1	0.03	77	270	<2	0.14	<2	7	41
G0780269		10	<1	<0.01	<10	3.58	1035	1	0.05	75	280	2	0.19	<2	8	33
G0780270		10	<1	0.74	10	3.13	1365	1	0.12	114	360	18	0.62	46	13	112
G0780273		10	1	<0.01	<10	3.71	1045	3	0.04	83	280	2	0.29	<2	9	44
G0780274		10	1	<0.01	<10	4.40	1170	2	0.04	94	270	<2	0.12	<2	17	34
G0780275		10	1	<0.01	<10	4.01	1075	2	0.04	89	270	<2	0.50	2	30	35
G0780276		10	<1	0.01	20	2.71	878	1	0.06	36	1400	2	0.18	<2	14	60
G0780277		10	1	<0.01	<10	3.69	1130	3	0.04	85	280	2	0.47	<2	22	32
G0780278		10	1	<0.01	<10	2.88	823	3	0.06	72	270	2	0.28	<2	8	41
G0780279		10	<1	0.01	<10	2.04	576	3	0.06	56	260	<2	0.10	<2	6	47
G0780280		<10	<1	0.01	10	0.01	10	<1	<0.01	<1	40	<2	<0.01	<2	<1	<1
G0780281		<10	1	0.01	<10	1.93	557	7	0.07	54	290	<2	0.21	<2	5	46
G0780282		<10	1	<0.01	<10	1.73	512	4	0.05	51	260	<2	0.15	<2	5	49
G0780283		10	1	0.01	<10	1.96	607	2	0.07	58	280	<2	0.17	<2	6	54
G0780284		<10	1	<0.01	<10	2.26	688	1	0.06	65	280	<2	0.31	2	6	49
G0780285		10	<1	<0.01	<10	2.61	752	12	0.05	77	260	8	2.63	<2	9	51
G0780286		<10	<1	0.02	10	1.39	390	1	0.08	49	550	3	0.18	<2	3	33
G0780287		10	1	0.04	10	1.48	370	1	0.07	48	540	<2	0.13	<2	4	25
G0780288		10	<1	0.04	10	1.67	396	2	0.07	53	530	<2	0.10	<2	4	26
G0780289		10	1	0.06	10	1.88	451	2	0.06	61	530	<2	0.07	<2	4	30
G0780290		<10	5	0.14	10	0.86	472	14	0.07	40	820	306	0.70	27	4	36
G0780291		10	<1	0.03	10	2.51	514	1	0.06	72	560	<2	0.05	<2	5	35
G0780292		10	1	0.01	10	3.16	810	1	0.05	31	1720	4	0.05	<2	7	70
G0780293		10	<1	0.01	10	2.82	746	1	0.05	40	1370	6	0.07	2	6	65
G0780294		10	1	0.05	10	1.79	582	2	0.06	70	560	<2	0.01	<2	4	23
G0780295		10	<1	0.12	<10	1.42	852	9	0.03	392	360	<2	1.44	<2	10	30
G0780296		10	1	0.07	<10	1.43	1240	4	0.04	87	300	3	1.02	<2	12	42
G0780299		10	1	<0.01	10	2.98	820	2	0.05	32	1700	86	0.14	<2	8	100
G0780300		10	1	0.76	10	3.25	1420	1	0.13	117	370	16	0.63	44	14	116
G0780301		10	<1	<0.01	10	3.07	784	1	0.05	32	1710	179	0.15	<2	9	120
G0780302		10	1	<0.01	10	3.03	806	1	0.06	31	1710	67	0.16	<2	8	111
G0780303		10	1	<0.01	10	2.99	815	1	0.06	31	1630	15	0.13	<2	9	81
G0780304		10	<1	0.01	10	2.52	928	4	0.04	62	650	5	0.90	<2	15	49
G0780305		10	1	0.01	10	2.80	892	4	0.05	69	500	<2	0.50	<2	12	28
G0780306		10	<1	<0.01	<10	3.72	1160	3	0.03	73	280	3	0.16	<2	11	54
G0780307		<10	1	<0.01	<10	2.22	756	15	0.04	53	280	3	0.06	<2	8	71
G0780308		<10	<1	<0.01	<10	1.97	704	90	0.04	50	280	<2	0.08	<2	6	79
G0780309		10	1	<0.01	<10	2.08	665	1	0.06	48	300	<2	0.04	<2	6	60
G0780310		<10	<1	0.01	10	0.01	9	<1	<0.01	<1	40	<2	<0.01	<2	<1	1



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Project: CREE LAKE

CERTIFICATE OF ANALYSIS SD09080824

Sample Description	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Th	Ti	Ti	U	V	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	ppm
Method Analyte Units LOR	20	0.01	10	10	1	10	2
G0780267	<20	0.25	<10	<10	158	<10	69
G0780268	<20	0.25	<10	<10	153	<10	66
G0780269	<20	0.24	<10	<10	162	<10	57
G0780270	<20	0.09	<10	<10	157	20	63
G0780273	<20	0.20	<10	<10	177	<10	50
G0780274	<20	0.20	<10	<10	220	<10	60
G0780275	<20	0.17	<10	<10	229	<10	56
G0780276	<20	0.14	<10	<10	133	<10	44
G0780277	<20	0.24	<10	<10	245	<10	68
G0780278	<20	0.25	<10	<10	153	<10	54
G0780279	<20	0.23	<10	<10	99	<10	37
G0780280	<20	<0.01	<10	<10	<1	<10	<2
G0780281	<20	0.22	<10	<10	95	<10	31
G0780282	<20	0.22	<10	<10	85	<10	28
G0780283	<20	0.25	<10	<10	111	<10	33
G0780284	<20	0.24	<10	<10	124	<10	37
G0780285	<20	0.23	<10	<10	125	<10	39
G0780286	<20	0.10	<10	<10	46	<10	23
G0780287	<20	0.10	<10	<10	44	<10	23
G0780288	<20	0.13	<10	<10	43	<10	25
G0780289	<20	0.14	<10	<10	43	<10	28
G0780290	<20	0.10	<10	<10	62	<10	282
G0780291	<20	0.18	<10	<10	53	<10	37
G0780292	<20	0.20	<10	<10	109	<10	53
G0780293	<20	0.19	<10	<10	90	<10	52
G0780294	<20	0.15	<10	<10	50	<10	43
G0780295	<20	0.12	<10	<10	107	10	58
G0780296	<20	0.17	<10	<10	192	<10	93
G0780299	<20	0.23	<10	<10	107	<10	66
G0780300	<20	0.10	<10	<10	162	20	65
G0780301	<20	0.24	<10	<10	100	<10	61
G0780302	<20	0.22	<10	<10	101	<10	72
G0780303	<20	0.20	<10	<10	116	<10	71
G0780304	<20	0.12	<10	<10	140	<10	66
G0780305	<20	0.16	<10	<10	150	<10	51
G0780306	<20	0.24	<10	<10	188	<10	57
G0780307	<20	0.23	<10	<10	103	<10	36
G0780308	<20	0.22	<10	<10	102	<10	32
G0780309	<20	0.22	<10	<10	107	<10	33
G0780310	<20	<0.01	<10	<10	1	<10	<2



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CERTIFICATE OF ANALYSIS	SD09080824
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Sample Description	Method	Analyte	Units	LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41			
					Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
					kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
G0780311					0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
					1.44	0.009	<0.2	3.33	13	<10	<10	<0.5	4	3.13	<0.5	37	164	34	5.54



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CERTIFICATE OF ANALYSIS	SD09080824
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Sample Description	Method	Analyte	Units	LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41			
					Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
					ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
					10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
G0780311					10	<1	<0.01	<10	2.75	865	1	0.04	63	300	<2	0.08	<2	6	77



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CERTIFICATE OF ANALYSIS SD09080825

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10	2
G0780392		28	<20	0.24	<10	<10	120	<10	48
G0780393		32	<20	0.20	<10	<10	110	<10	44
G0780394		33	<20	0.21	<10	<10	82	<10	31
G0780395		47	<20	0.18	<10	<10	82	<10	27
G0780396		35	<20	0.17	<10	<10	114	<10	49
G0780397		24	<20	0.13	<10	<10	146	<10	48
G0780398		33	<20	0.19	<10	<10	85	<10	30
G0780399		26	<20	0.22	<10	<10	90	<10	36
G0780400		1	<20	<0.01	<10	<10	1	<10	<2
G0780401		41	<20	0.21	<10	<10	95	<10	32
G0780402		28	<20	0.16	<10	<10	101	<10	34
G0780403		33	<20	0.21	<10	<10	70	<10	26
G0780404		42	<20	0.20	<10	<10	68	<10	24
G0780405		35	<20	0.11	<10	<10	50	<10	18
G0780406		30	<20	0.12	<10	<10	49	<10	24
G0780407		14	<20	0.10	<10	<10	56	<10	22
G0780408		14	<20	0.09	<10	<10	69	<10	26
G0780409		17	<20	0.13	<10	<10	147	<10	41
G0780410		35	<20	0.10	10	<10	61	<10	268
G0780411		27	<20	0.21	<10	<10	88	<10	37
G0780412		35	<20	0.16	<10	<10	45	<10	20
G0780413		35	<20	0.24	<10	<10	102	<10	45
G0780414		32	<20	0.25	<10	<10	98	<10	43
G0780415		22	<20	0.14	<10	<10	113	<10	46
G0780416		16	<20	0.16	<10	<10	119	<10	42
G0780417		23	<20	0.25	<10	<10	173	<10	70
G0780418		23	<20	0.23	<10	<10	125	<10	50
G0780419		25	<20	0.20	<10	<10	79	<10	28
G0780420		116	<20	0.10	<10	<10	165	10	65
G0780421		30	<20	0.22	<10	<10	77	<10	32



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CERTIFICATE SD09080825

Project: CREE LAKE

P.O. No.:

This report is for 110 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 1-AUG-2009.

The following have access to data associated with this certificate:

WALTER HANYCH

ROBIN ROSS

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

To: MANTIS MINERAL CORP
ATTN: WALTER HANYCH
8 KING STREET EAST
SUITE 1500
TORONTO ON M5C 1B5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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To: MANTIS MINERAL CORP
8 KING STREET EAST
SUITE 1500
TORONTO ON M5C 1B5

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Finalized Date: 24-AUG-2009
Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS SD09080825

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au Check ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G0780312		1.60	0.426		<0.2	2.20	3	<10	40	<0.5	3	2.17	<0.5	21	98	69
G0780313		1.84	0.071		<0.2	2.98	6	<10	10	<0.5	2	3.21	<0.5	24	129	21
G0780314		1.80	0.030		<0.2	2.97	2	<10	10	<0.5	2	3.40	<0.5	22	140	6
G0780315		1.84	0.045		<0.2	2.81	2	<10	10	<0.5	2	3.65	<0.5	20	126	57
G0780316		1.72	0.201		<0.2	2.89	2	<10	10	<0.5	2	3.58	<0.5	21	116	64
G0780317		1.78	0.075		<0.2	2.80	4	<10	10	<0.5	2	3.51	<0.5	21	120	50
G0780318		1.60	0.016		<0.2	2.77	2	<10	10	<0.5	3	3.91	<0.5	20	140	33
G0780319		1.92	0.019		<0.2	2.53	4	<10	10	<0.5	<2	3.40	<0.5	21	113	5
G0780320		0.10	3.46		4.0	1.53	283	<10	340	<0.5	<2	1.34	1.8	11	56	79
G0780321		1.84	0.146	0.120	<0.2	2.48	6	<10	10	<0.5	<2	2.79	<0.5	21	93	5
G0780322		1.74	1.290	1.390	0.2	2.44	4	<10	40	<0.5	<2	4.02	<0.5	25	132	133
G0780323		1.90	0.832		0.5	2.81	6	<10	10	<0.5	<2	3.36	<0.5	26	213	431
G0780324		1.80	0.251		<0.2	2.45	5	<10	10	<0.5	<2	3.18	<0.5	20	92	117
G0780325		1.26	0.257		<0.2	2.81	6	<10	<10	<0.5	<2	2.76	<0.5	24	150	53
G0780326		1.54	0.678		<0.2	2.76	3	<10	10	<0.5	<2	3.15	<0.5	21	135	99
G0780327		1.56	1.420		<0.2	2.41	6	<10	10	<0.5	<2	3.31	<0.5	20	125	43
G0780328		1.82	0.171		<0.2	2.65	6	<10	10	<0.5	2	3.21	<0.5	24	137	117
G0780329		0.98	0.448		0.7	2.66	6	<10	10	<0.5	3	2.45	0.5	24	132	849
G0780330		0.08	0.967		<0.2	4.41	1320	<10	110	<0.5	<2	6.71	<0.5	24	233	108
G0780331		1.74	0.009		<0.2	2.91	7	<10	10	<0.5	<2	4.24	<0.5	23	216	14
G0780332		1.80	0.019		<0.2	3.23	7	<10	10	<0.5	2	1.53	0.6	29	215	222
G0780333		1.66	0.017		<0.2	3.08	5	<10	10	<0.5	2	1.58	<0.5	28	201	106
G0780334		1.78	0.026		<0.2	3.27	3	<10	10	<0.5	3	2.52	<0.5	28	241	141
G0780335		1.74	0.018		<0.2	2.99	8	<10	10	<0.5	2	3.54	<0.5	27	275	59
G0780336		1.00	0.032		<0.2	3.51	2	<10	<10	<0.5	2	3.54	<0.5	30	366	183
G0780337		0.94	0.009		<0.2	3.48	3	<10	<10	<0.5	3	3.55	0.5	26	429	31
G0780338		1.48	0.615		0.3	1.62	14	<10	10	<0.5	<2	3.67	0.7	16	47	359
G0780339		1.66	0.260		0.2	2.48	4	<10	10	<0.5	2	2.85	<0.5	22	253	141
G0780340		0.08	<0.005		<0.2	0.03	2	<10	<10	<0.5	<2	0.12	<0.5	1	1	2
G0780341		0.98	0.140		<0.2	1.72	3	<10	<10	<0.5	<2	1.76	<0.5	16	186	272
G0780342		1.68	0.307		0.2	1.85	6	<10	<10	<0.5	<2	1.55	<0.5	18	200	449
G0780343		1.66	0.227		<0.2	2.30	4	<10	10	<0.5	2	2.09	<0.5	22	235	144
G0780344		1.38	0.160		<0.2	2.19	3	<10	10	<0.5	<2	2.47	<0.5	20	223	125
G0780345		1.16	0.202		<0.2	1.70	5	<10	10	<0.5	<2	1.62	<0.5	16	178	55
G0780346		1.54	0.191		<0.2	2.27	5	<10	10	<0.5	<2	2.50	<0.5	22	184	38
G0780347		1.34	0.206		<0.2	2.91	4	<10	10	<0.5	2	3.86	<0.5	27	191	24
G0780348		1.26	0.484		0.2	3.06	2	<10	10	<0.5	<2	3.72	<0.5	25	189	349
G0780349		1.70	0.070		<0.2	2.48	3	<10	10	<0.5	<2	1.84	<0.5	18	130	186
G0780350		0.08	3.40		3.8	1.42	266	<10	370	<0.5	2	1.25	1.6	10	53	74
G0780351		1.68	0.030		<0.2	2.49	3	<10	10	<0.5	<2	2.43	<0.5	20	118	69



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CERTIFICATE OF ANALYSIS SD09080825

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G0780312		3.80	10	1	0.20	10	1.53	386	1	0.04	102	630	<2	0.09	<2	5
G0780313		4.85	10	1	0.03	20	2.48	619	<1	0.07	99	790	<2	0.06	<2	10
G0780314		4.66	10	1	0.02	20	2.67	650	1	0.07	91	780	<2	0.08	<2	9
G0780315		4.35	10	1	0.02	20	2.54	641	<1	0.07	84	800	2	0.06	<2	9
G0780316		4.67	10	<1	0.02	20	2.49	656	1	0.07	86	790	<2	0.07	<2	7
G0780317		4.26	10	<1	0.01	20	2.63	634	1	0.08	82	750	<2	0.07	<2	8
G0780318		4.24	10	<1	0.01	20	2.59	652	<1	0.07	84	730	<2	0.01	<2	7
G0780319		4.06	10	<1	0.02	20	2.29	565	1	0.07	80	660	2	0.11	<2	8
G0780320		3.48	<10	5	0.14	10	0.85	463	13	0.06	40	790	304	0.68	27	4
G0780321		4.28	10	<1	0.01	10	2.10	518	1	0.07	72	520	<2	0.10	<2	9
G0780322		4.22	10	1	0.08	10	1.97	554	2	0.06	83	500	3	0.27	<2	7
G0780323		5.04	10	1	0.02	10	2.25	590	2	0.06	103	490	<2	0.18	<2	9
G0780324		4.19	10	<1	0.01	10	2.12	538	1	0.08	70	530	2	0.08	<2	8
G0780325		4.50	10	2	0.01	10	2.69	604	2	0.06	94	580	<2	0.08	<2	7
G0780326		4.12	10	1	0.01	10	2.75	645	1	0.07	89	650	4	0.06	<2	7
G0780327		3.81	10	<1	0.01	20	2.29	615	6	0.07	80	700	7	0.10	<2	6
G0780328		4.14	10	<1	0.01	20	2.50	650	4	0.09	88	780	4	0.13	<2	6
G0780329		4.11	10	1	0.01	20	2.54	584	2	0.08	89	710	16	0.20	<2	5
G0780330		5.28	10	1	0.72	10	3.09	1345	1	0.12	113	350	18	0.62	42	13
G0780331		3.92	10	<1	0.02	10	3.01	643	1	0.07	130	590	6	0.03	<2	6
G0780332		4.51	10	<1	0.01	10	3.48	641	2	0.06	138	750	7	0.14	<2	5
G0780333		4.25	10	<1	0.01	10	3.26	597	1	0.07	122	550	3	0.09	<2	6
G0780334		4.57	10	1	0.01	10	3.35	651	1	0.05	137	540	<2	0.04	<2	5
G0780335		4.11	10	1	0.01	10	3.06	619	1	0.06	146	440	<2	0.02	<2	5
G0780336		4.98	10	<1	<0.01	10	3.96	739	1	0.04	187	440	<2	0.19	<2	5
G0780337		5.03	10	1	<0.01	10	3.93	763	2	0.05	186	440	3	0.17	<2	7
G0780338		2.87	10	1	0.03	10	1.41	448	7	0.09	59	740	6	0.40	<2	4
G0780339		4.32	10	1	0.01	40	2.40	661	1	0.07	105	1370	<2	0.03	<2	3
G0780340		0.03	<10	<1	0.01	10	0.01	8	<1	<0.01	<1	40	<2	<0.01	<2	<1
G0780341		3.11	10	1	0.01	30	1.66	453	1	0.07	84	1260	2	0.03	<2	2
G0780342		3.55	<10	<1	0.01	30	1.71	458	2	0.08	99	1250	2	0.05	<2	2
G0780343		5.11	10	1	0.01	30	2.22	583	1	0.07	119	1160	5	0.03	<2	3
G0780344		4.21	10	<1	0.01	30	2.15	573	2	0.08	106	1110	7	0.01	<2	3
G0780345		2.78	10	<1	0.01	40	1.68	430	1	0.07	85	1320	<2	<0.01	<2	2
G0780346		3.78	10	<1	0.01	30	2.24	527	1	0.08	101	1000	<2	<0.01	<2	3
G0780347		4.55	10	1	0.01	20	2.92	661	1	0.06	114	970	<2	0.10	<2	7
G0780348		4.72	10	1	0.01	30	3.08	650	1	0.06	106	960	<2	0.07	<2	10
G0780349		3.88	10	<1	0.01	10	2.42	429	1	0.07	111	470	<2	0.07	<2	9
G0780350		3.28	<10	5	0.13	10	0.80	436	13	0.06	37	750	285	0.65	26	4
G0780351		3.81	10	<1	0.04	10	2.35	418	1	0.08	108	440	<2	0.11	<2	7



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CERTIFICATE OF ANALYSIS SD09080825

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr ppm 1	Th ppm 20	Ti % 0.01	Ti ppm 10	U ppm 10	V ppm 1	W ppm 10	Zn ppm 2
G0780312		48	<20	0.10	<10	<10	46	<10	28
G0780313		71	<20	0.18	<10	<10	99	<10	44
G0780314		78	<20	0.14	<10	<10	98	<10	42
G0780315		84	<20	0.13	<10	<10	88	<10	41
G0780316		86	<20	0.15	<10	<10	92	<10	40
G0780317		85	<20	0.13	<10	<10	89	<10	39
G0780318		87	<20	0.14	<10	<10	91	<10	40
G0780319		64	<20	0.16	<10	<10	87	<10	38
G0780320		35	<20	0.10	10	<10	61	<10	275
G0780321		46	<20	0.16	<10	<10	82	<10	42
G0780322		66	<20	0.09	<10	<10	62	<10	39
G0780323		46	<20	0.10	<10	<10	82	<10	54
G0780324		48	<20	0.15	<10	<10	81	<10	48
G0780325		53	<20	0.19	<10	<10	83	<10	64
G0780326		68	<20	0.16	<10	<10	84	<10	68
G0780327		78	<20	0.16	<10	<10	80	<10	69
G0780328		79	<20	0.19	<10	<10	92	<10	51
G0780329		89	<20	0.23	<10	<10	84	<10	40
G0780330		111	<20	0.09	<10	<10	154	20	62
G0780331		87	<20	0.23	<10	<10	80	<10	41
G0780332		53	<20	0.24	<10	<10	89	<10	48
G0780333		90	<20	0.27	<10	<10	90	<10	44
G0780334		113	<20	0.27	<10	<10	93	<10	46
G0780335		131	<20	0.25	<10	<10	89	<10	40
G0780336		70	<20	0.25	<10	<10	107	<10	52
G0780337		54	<20	0.21	<10	<10	103	<10	54
G0780338		72	<20	0.17	<10	<10	67	<10	24
G0780339		102	<20	0.14	<10	<10	68	<10	37
G0780340		<1	<20	<0.01	<10	<10	<1	<10	<2
G0780341		112	<20	0.14	<10	<10	44	<10	25
G0780342		164	<20	0.15	<10	<10	44	<10	26
G0780343		135	<20	0.12	<10	<10	59	<10	32
G0780344		120	<20	0.12	<10	<10	61	<10	31
G0780345		121	<20	0.12	<10	<10	50	<10	23
G0780346		138	<20	0.15	<10	<10	63	<10	29
G0780347		126	<20	0.14	<10	<10	91	<10	40
G0780348		99	<20	0.18	<10	<10	97	<10	50
G0780349		33	<20	0.17	<10	<10	83	<10	49
G0780350		33	<20	0.09	10	<10	57	<10	261
G0780351		44	<20	0.18	<10	<10	75	<10	54



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		Recvd Wt. kg	Au ppm	Au Check ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G0780352		1.90	0.109		1.2	1.89	3	<10	20	<0.5	2	2.15	<0.5	21	105	1075
G0780353		1.96	0.155		<0.2	2.67	<2	<10	30	<0.5	2	1.89	<0.5	24	140	400
G0780354		1.94	0.071		<0.2	2.75	5	<10	10	<0.5	3	3.02	<0.5	21	208	149
G0780355		2.34	0.109		<0.2	2.92	2	<10	10	<0.5	2	2.96	<0.5	22	258	92
G0780356		1.56	0.031		<0.2	4.16	4	<10	10	<0.5	<2	4.27	<0.5	33	774	9
G0780357		2.08	0.010		<0.2	4.03	2	<10	10	<0.5	<2	2.63	<0.5	32	719	8
G0780358		1.66	0.010		<0.2	3.97	2	<10	10	<0.5	2	3.39	<0.5	31	690	10
G0780359		1.76	0.056		<0.2	4.01	3	<10	<10	<0.5	3	4.02	<0.5	30	711	9
G0780360		0.08	1.055		0.4	4.36	1410	<10	110	<0.5	<2	6.76	<0.5	24	237	104
G0780361		1.78	0.006		<0.2	4.01	19	<10	<10	<0.5	<2	3.87	<0.5	29	708	15
G0780362		1.66	<0.005		<0.2	4.14	6	<10	<10	<0.5	<2	3.89	<0.5	29	746	<1
G0780363		1.70	<0.005		<0.2	4.12	5	<10	<10	<0.5	<2	4.08	<0.5	30	723	6
G0780364		1.62	<0.005		<0.2	4.30	3	<10	<10	<0.5	2	3.61	<0.5	31	751	4
G0780365		1.50	0.009		<0.2	4.22	<2	<10	<10	<0.5	<2	4.44	<0.5	30	759	3
G0780366		1.64	0.053		<0.2	3.66	<2	<10	10	<0.5	<2	3.54	<0.5	27	604	85
G0780367		1.80	1.245		0.3	1.14	9	<10	60	<0.5	<2	3.17	<0.5	11	16	77
G0780368		1.28	2.06		1.2	1.00	29	<10	70	<0.5	3	4.01	1.1	11	8	67
G0780369		1.10	0.192		0.2	1.45	4	<10	100	<0.5	<2	2.24	<0.5	10	11	21
G0780370		0.08	<0.005		<0.2	0.03	<2	<10	<10	<0.5	<2	0.11	<0.5	1	1	3
G0780371		1.44	0.064		<0.2	4.68	<2	<10	10	<0.5	<2	4.29	<0.5	38	732	18
G0780372		1.74	0.354		0.2	1.46	4	<10	60	<0.5	<2	2.05	<0.5	13	12	25
G0780373		1.60	0.323		<0.2	1.29	5	<10	60	<0.5	<2	2.79	<0.5	10	10	16
G0780374		1.78	0.082		<0.2	1.25	<2	<10	60	<0.5	<2	3.24	<0.5	11	10	42
G0780375		1.70	0.018		<0.2	3.33	<2	<10	40	<0.5	3	4.10	<0.5	28	433	17
G0780376		1.44	0.094		0.3	1.28	<2	<10	60	<0.5	2	3.65	<0.5	20	12	7
G0780377		1.30	0.019		<0.2	2.47	<2	<10	30	<0.5	2	4.20	<0.5	20	122	21
G0780378		1.68	0.040		<0.2	4.36	8	<10	10	<0.5	<2	5.44	<0.5	36	214	80
G0780379		2.88	0.058		<0.2	4.23	5	<10	<10	<0.5	<2	5.32	<0.5	37	195	49
G0780380		0.10	3.47		3.9	1.45	281	<10	420	<0.5	<2	1.27	1.5	9	54	75
G0780381		2.00	0.039		0.2	4.41	3	<10	<10	<0.5	<2	3.74	<0.5	42	189	182
G0780382		1.96	0.379		0.6	4.42	9	<10	10	<0.5	<2	5.11	<0.5	45	177	311
G0780383		1.90	0.057		<0.2	4.18	6	<10	<10	<0.5	<2	4.15	<0.5	42	183	379
G0780384		1.90	0.041		<0.2	4.68	<2	<10	<10	<0.5	2	4.96	<0.5	42	201	225
G0780385		1.96	0.045		<0.2	4.72	8	<10	<10	<0.5	<2	5.28	<0.5	44	187	232
G0780386		1.96	0.047		0.2	4.48	8	<10	<10	<0.5	<2	3.86	<0.5	38	182	356
G0780387		1.98	0.031		0.4	4.53	6	<10	<10	<0.5	<2	4.51	<0.5	39	197	346
G0780388		2.06	0.015		0.5	3.19	27	<10	40	<0.5	2	7.20	<0.5	44	141	210
G0780389		2.10	0.030		0.5	2.54	12	<10	20	<0.5	<2	7.09	<0.5	24	81	89
G0780390		0.08	1.095		0.4	4.49	1430	<10	110	<0.5	<2	6.88	<0.5	24	243	105
G0780391		2.00	0.029		<0.2	4.19	50	<10	10	<0.5	<2	5.35	<0.5	39	191	272



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CERTIFICATE OF ANALYSIS SD09080825

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
G0780352		3.50	10	1	0.05	10	1.68	343	3	0.08	94	440	<2	0.64	<2	4
G0780353		4.21	10	<1	0.08	10	2.44	456	1	0.07	90	480	<2	0.10	<2	5
G0780354		4.00	10	<1	0.02	10	2.86	578	1	0.07	100	480	<2	0.14	<2	9
G0780355		4.02	10	<1	0.01	10	3.18	666	1	0.08	106	540	<2	0.02	<2	9
G0780356		4.93	10	2	<0.01	10	5.28	975	1	0.03	279	290	<2	<0.01	<2	14
G0780357		4.55	10	1	<0.01	10	5.42	928	1	0.04	266	300	<2	<0.01	<2	9
G0780358		4.55	10	<1	<0.01	10	5.27	991	1	0.04	255	300	<2	<0.01	2	10
G0780359		4.56	10	1	<0.01	10	5.31	1095	4	0.03	259	270	2	0.03	2	13
G0780360		5.24	10	<1	0.74	<10	3.05	1350	<1	0.12	112	370	18	0.61	47	13
G0780361		4.49	10	<1	0.01	<10	5.41	1025	<1	0.03	242	280	<2	0.04	<2	15
G0780362		4.20	10	<1	<0.01	<10	5.57	1015	<1	0.04	262	290	<2	<0.01	<2	16
G0780363		4.22	10	1	<0.01	<10	5.42	1030	<1	0.03	248	290	<2	0.01	<2	16
G0780364		4.36	10	1	0.01	<10	5.61	1030	<1	0.04	262	280	<2	0.01	<2	16
G0780365		4.60	10	1	0.01	<10	5.14	1095	<1	0.03	264	290	<2	0.02	<2	15
G0780366		4.24	10	<1	0.06	<10	4.23	976	<1	0.04	213	320	<2	0.03	<2	12
G0780367		1.90	<10	1	0.29	10	0.59	410	<1	0.03	24	430	2	0.30	2	1
G0780368		2.00	<10	<1	0.31	10	0.44	391	<1	0.02	12	420	4	0.68	3	1
G0780369		1.75	<10	<1	0.43	10	0.66	349	1	0.05	15	470	<2	0.02	<2	2
G0780370		0.03	<10	<1	0.01	10	0.01	8	<1	<0.01	<1	30	<2	0.01	<2	<1
G0780371		6.07	10	1	0.04	<10	5.09	1245	1	0.02	257	280	<2	0.04	<2	13
G0780372		1.93	<10	<1	0.25	10	1.05	380	<1	0.06	22	460	<2	0.07	2	2
G0780373		1.79	<10	<1	0.21	10	0.96	403	<1	0.05	21	450	<2	0.05	2	2
G0780374		1.60	<10	<1	0.29	10	0.81	405	<1	0.04	19	430	<2	0.09	3	1
G0780375		3.88	10	<1	0.14	<10	3.58	909	1	0.02	175	350	<2	0.15	2	8
G0780376		1.92	<10	<1	0.30	10	0.77	410	<1	0.04	11	460	<2	0.22	3	1
G0780377		3.60	10	1	0.17	10	1.95	662	<1	0.04	69	470	<2	0.11	<2	6
G0780378		6.99	10	1	0.02	<10	3.72	1055	<1	0.06	127	240	<2	0.11	<2	19
G0780379		6.56	10	1	0.01	<10	3.85	993	<1	0.04	123	240	<2	0.13	2	9
G0780380		3.34	<10	5	0.13	10	0.81	445	12	0.06	36	770	292	0.65	29	4
G0780381		6.37	10	<1	0.01	<10	4.36	968	<1	0.04	127	220	<2	0.09	<2	9
G0780382		6.57	10	<1	0.02	<10	4.25	1065	<1	0.05	124	220	<2	0.54	<2	9
G0780383		5.91	10	1	0.01	<10	4.10	963	<1	0.04	127	210	<2	0.22	5	6
G0780384		7.16	10	<1	0.01	<10	4.30	1105	<1	0.04	130	220	<2	0.14	2	10
G0780385		7.04	10	1	<0.01	<10	4.50	1080	<1	0.04	125	210	2	0.38	2	8
G0780386		6.17	10	<1	<0.01	<10	4.40	972	<1	0.03	119	210	<2	0.08	<2	7
G0780387		6.51	10	<1	<0.01	<10	4.34	1000	2	0.04	129	220	4	0.32	2	10
G0780388		5.95	10	<1	0.23	<10	1.87	847	1	0.03	138	240	4	1.04	2	9
G0780389		5.44	10	<1	0.16	<10	1.09	740	<1	0.06	67	330	<2	0.97	<2	6
G0780390		5.32	10	1	0.75	<10	3.11	1370	<1	0.13	112	370	18	0.61	45	14
G0780391		7.01	10	<1	0.03	<10	3.36	1020	12	0.05	114	220	2	0.24	<2	7



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CERTIFICATE OF ANALYSIS SD09080825

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Tl	U	V	W	Zn
		ppm 1	ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
G0780352		42	<20	0.13	<10	<10	51	<10	55
G0780353		39	<20	0.18	<10	<10	60	<10	48
G0780354		55	<20	0.19	<10	<10	89	<10	32
G0780355		66	<20	0.25	<10	<10	106	<10	30
G0780356		79	<20	0.18	<10	<10	93	<10	39
G0780357		51	<20	0.15	<10	<10	82	<10	38
G0780358		68	<20	0.15	<10	<10	81	<10	38
G0780359		80	<20	0.15	<10	<10	84	<10	40
G0780360		111	<20	0.09	<10	<10	156	20	68
G0780361		84	<20	0.13	<10	<10	84	<10	42
G0780362		93	<20	0.14	<10	<10	88	<10	44
G0780363		105	<20	0.14	<10	<10	86	<10	56
G0780364		98	<20	0.15	<10	<10	90	<10	90
G0780365		92	<20	0.13	<10	<10	88	<10	173
G0780366		67	<20	0.12	<10	<10	75	<10	183
G0780367		50	<20	0.07	<10	<10	14	<10	44
G0780368		59	<20	0.06	<10	<10	10	<10	58
G0780369		33	<20	0.09	<10	<10	19	<10	47
G0780370		1	<20	<0.01	<10	<10	<1	<10	<2
G0780371		76	<20	0.12	<10	<10	84	10	252
G0780372		33	<20	0.08	<10	<10	25	<10	77
G0780373		42	<20	0.07	<10	<10	22	<10	66
G0780374		47	<20	0.07	<10	<10	16	<10	36
G0780375		77	<20	0.09	<10	<10	51	<10	98
G0780376		46	<20	0.06	<10	<10	15	<10	22
G0780377		43	<20	0.10	<10	<10	55	<10	43
G0780378		63	<20	0.21	<10	<10	179	<10	63
G0780379		80	<20	0.18	10	<10	150	<10	51
G0780380		34	<20	0.09	10	<10	59	10	270
G0780381		90	<20	0.23	<10	<10	137	<10	58
G0780382		72	<20	0.21	<10	<10	131	<10	59
G0780383		72	<20	0.22	<10	<10	120	<10	52
G0780384		54	<20	0.21	10	<10	154	<10	63
G0780385		45	<20	0.20	<10	<10	144	<10	60
G0780386		65	<20	0.22	<10	<10	125	<10	51
G0780387		53	<20	0.25	10	<10	146	<10	53
G0780388		33	<20	0.15	<10	<10	105	10	33
G0780389		34	<20	0.07	<10	<10	76	10	24
G0780390		114	<20	0.10	<10	<10	159	20	65
G0780391		37	<20	0.21	<10	<10	137	<10	52



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Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Au Check ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm
		0.02	0.005	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
G0780392		1.78	0.021		<0.2	3.86	12	<10	<10	<0.5	<2	2.82	<0.5	32	158	134
G0780393		2.00	0.016		<0.2	3.69	11	<10	<10	<0.5	2	1.77	<0.5	36	166	42
G0780394		1.84	0.043		<0.2	2.79	5	<10	<10	<0.5	<2	1.15	<0.5	29	114	37
G0780395		2.08	0.011		<0.2	2.68	24	<10	<10	<0.5	<2	1.24	<0.5	33	127	41
G0780396		2.10	0.010		<0.2	3.01	19	<10	<10	<0.5	<2	3.11	<0.5	32	159	41
G0780397		1.80	0.025		<0.2	4.00	13	<10	<10	<0.5	<2	5.82	<0.5	34	184	46
G0780398		1.98	0.007		<0.2	2.76	6	<10	<10	<0.5	<2	3.08	<0.5	25	108	65
G0780399		2.14	0.014		<0.2	3.20	20	<10	<10	<0.5	<2	2.21	<0.5	30	125	140
G0780400		0.08	<0.005		<0.2	0.03	<2	<10	<10	<0.5	<2	0.14	<0.5	<1	2	4
G0780401		1.42	0.007		<0.2	3.01	15	60	<10	<0.5	<2	3.53	<0.5	29	146	156
G0780402		2.30	0.178		<0.2	3.00	24	<10	<10	<0.5	<2	3.22	<0.5	50	147	131
G0780403		2.30	0.025		<0.2	2.39	7	<10	<10	<0.5	<2	1.90	<0.5	24	106	320
G0780404		1.06	0.029		<0.2	2.32	18	<10	<10	<0.5	<2	3.77	<0.5	27	108	323
G0780405		1.14	0.008		<0.2	1.69	2	<10	<10	<0.5	<2	6.88	<0.5	15	78	55
G0780406		1.30	0.029		<0.2	2.12	5	<10	<10	<0.5	<2	2.47	<0.5	17	116	5
G0780407		1.70	0.009		<0.2	1.97	9	<10	10	<0.5	<2	2.74	<0.5	16	113	28
G0780408		1.76	0.018		<0.2	2.20	9	<10	<10	<0.5	<2	3.15	<0.5	16	125	94
G0780409		1.52	0.269		<0.2	3.64	30	<10	<10	<0.5	<2	3.87	<0.5	51	180	187
G0780410		0.10	3.43		3.9	1.50	282	<10	470	<0.5	<2	1.34	1.4	9	56	76
G0780411		1.48	0.014		<0.2	3.04	11	<10	<10	<0.5	<2	2.17	<0.5	28	135	125
G0780412		1.98	0.395		0.6	1.76	29	150	<10	<0.5	<2	5.57	<0.5	36	87	623
G0780413		2.20	0.007		<0.2	3.97	24	<10	<10	<0.5	<2	1.61	<0.5	40	170	68
G0780414		1.90	0.016		<0.2	3.49	19	<10	<10	<0.5	<2	1.95	<0.5	35	151	94
G0780415		1.68	0.016		<0.2	3.48	13	<10	<10	<0.5	<2	5.25	<0.5	28	152	65
G0780416		1.84	0.022		<0.2	3.41	10	<10	30	<0.5	<2	4.06	<0.5	47	160	208
G0780417		2.22	0.021		<0.2	4.80	9	<10	<10	<0.5	<2	6.08	<0.5	44	220	192
G0780418		1.92	0.045		<0.2	3.74	18	<10	<10	<0.5	<2	4.40	<0.5	35	163	363
G0780419		1.86	0.073		0.2	2.47	11	<10	10	<0.5	<2	1.88	<0.5	28	113	442
G0780420		0.08	1.075		<0.2	4.60	1465	<10	100	<0.5	<2	7.13	<0.5	25	248	114
G0780421		2.12	0.021		0.2	2.43	21	<10	<10	<0.5	<2	2.76	<0.5	28	121	283



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CERTIFICATE OF ANALYSIS SD09080825

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G0780392		6.15	10	<1	0.01	<10	3.31	873	1	0.08	102	230	<2	0.09	<2	7
G0780393		6.26	10	1	0.01	<10	3.04	807	2	0.06	111	240	<2	0.37	<2	5
G0780394		4.56	<10	1	0.01	<10	2.36	595	1	0.08	81	220	<2	0.26	<2	4
G0780395		4.34	<10	1	0.01	<10	1.97	530	<1	0.05	87	240	<2	0.24	2	5
G0780396		5.30	10	<1	0.02	<10	2.35	691	<1	0.07	107	230	2	0.24	<2	6
G0780397		7.47	10	1	0.01	<10	3.06	997	19	0.04	115	210	2	0.49	<2	8
G0780398		4.14	<10	1	0.03	<10	2.30	598	<1	0.06	85	210	<2	0.10	<2	5
G0780399		4.69	10	1	0.02	<10	2.84	629	<1	0.05	97	220	<2	0.05	<2	4
G0780400		0.03	<10	<1	0.01	10	0.01	10	<1	<0.01	<1	20	<2	0.01	<2	<1
G0780401		4.65	10	<1	<0.01	<10	2.51	622	1	0.03	97	190	<2	0.33	<2	7
G0780402		5.81	<10	<1	0.01	<10	2.42	643	<1	0.06	104	210	3	1.04	<2	5
G0780403		3.73	<10	<1	0.02	<10	1.86	484	<1	0.07	79	200	<2	0.07	<2	5
G0780404		3.55	<10	1	0.01	<10	1.67	492	<1	0.05	98	190	22	0.09	<2	4
G0780405		2.65	<10	1	0.01	<10	1.23	465	<1	0.06	63	180	4	0.05	<2	3
G0780406		3.30	10	<1	0.01	10	1.71	469	<1	0.08	73	430	2	0.03	<2	3
G0780407		3.54	10	<1	0.10	10	1.35	458	<1	0.09	71	380	<2	0.20	2	4
G0780408		4.48	10	<1	0.07	<10	1.32	507	<1	0.08	70	450	<2	0.39	<2	4
G0780409		7.80	10	1	0.02	<10	2.60	836	<1	0.07	111	300	2	1.71	<2	9
G0780410		3.44	<10	6	0.14	10	0.83	453	12	0.06	39	760	289	0.66	28	4
G0780411		4.46	<10	<1	0.02	<10	2.54	626	2	0.04	92	210	<2	0.06	<2	5
G0780412		2.64	<10	<1	<0.01	<10	1.25	593	<1	0.03	80	150	11	0.32	4	3
G0780413		5.60	10	<1	0.01	<10	3.51	771	<1	0.02	120	210	4	0.12	<2	5
G0780414		5.11	<10	<1	0.01	<10	3.11	719	<1	0.04	111	220	14	0.06	<2	5
G0780415		6.14	10	1	0.06	<10	2.44	831	<1	0.06	94	320	<2	0.29	<2	8
G0780416		7.71	10	<1	0.23	<10	1.58	796	<1	0.03	134	230	4	1.33	2	10
G0780417		7.75	10	1	0.02	<10	4.20	1185	<1	0.03	132	240	2	0.48	<2	11
G0780418		5.95	10	<1	0.06	<10	3.08	880	<1	0.04	111	230	<2	0.35	<2	7
G0780419		4.08	<10	<1	0.08	<10	1.88	545	<1	0.08	85	220	<2	0.25	2	5
G0780420		5.54	10	1	0.78	<10	3.22	1405	<1	0.12	118	370	17	0.63	49	15
G0780421		3.95	10	<1	0.02	<10	1.85	532	<1	0.07	89	210	2	0.22	<2	5



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Page: 1
Finalized Date: 24-AUG-2009
This copy reported on 28-AUG-2009
Account: MANTMN

CERTIFICATE SD09080826

Project: CREE LAKE

P.O. No.:

This report is for 109 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 1-AUG-2009.

The following have access to data associated with this certificate:

WALTER HANYCH

ROBIN ROSS

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

To: MANTIS MINERAL CORP
ATTN: WALTER HANYCH
8 KING STREET EAST
SUITE 1500
TORONTO ON M5C 1B5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS SD09080826

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G0780422		2.20	0.056	0.4	1.93	15	<10	<10	<0.5	<2	2.75	<0.5	24	83	487	2.97
G0780423		1.82	0.071	<0.2	1.68	9	<10	<10	<0.5	<2	4.99	<0.5	20	81	366	2.71
G0780424		1.96	0.113	<0.2	3.44	8	<10	<10	<0.5	<2	2.76	<0.5	33	168	308	6.12
G0780425		2.28	0.031	<0.2	2.68	8	10	<10	<0.5	<2	2.77	<0.5	26	132	274	4.38
G0780426		1.80	0.053	<0.2	3.54	8	20	<10	<0.5	<2	2.54	<0.5	34	164	202	5.61
G0780427		2.36	0.094	<0.2	4.40	13	10	<10	<0.5	<2	3.38	<0.5	43	191	243	7.76
G0780428		1.82	0.083	<0.2	4.83	26	<10	<10	<0.5	<2	2.61	<0.5	51	196	375	8.94
G0780429		1.84	0.050	<0.2	3.28	12	30	<10	<0.5	<2	3.48	<0.5	28	167	363	5.21
G0780430		0.10	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.14	<0.5	<1	3	4	0.04
G0780431		2.26	0.085	0.4	2.95	21	30	<10	<0.5	<2	2.92	<0.5	27	143	386	4.44
G0780432		2.20	0.100	<0.2	2.60	20	20	<10	<0.5	<2	2.53	<0.5	33	128	165	4.26
G0780433		1.98	0.009	0.3	2.93	21	10	<10	<0.5	<2	1.82	<0.5	27	135	256	4.41
G0780434		1.44	0.052	0.4	2.45	37	90	<10	<0.5	<2	3.34	<0.5	33	122	582	3.68
G0780435		2.84	0.020	<0.2	2.72	18	10	<10	<0.5	<2	1.58	<0.5	28	129	275	4.24
G0780436		2.02	0.018	0.2	2.37	13	<10	<10	<0.5	<2	1.68	<0.5	26	109	179	3.84
G0780437		0.78	<0.005	<0.2	1.84	9	<10	<10	<0.5	<2	2.14	<0.5	16	115	8	2.70
G0780438		1.86	0.022	<0.2	2.30	19	<10	<10	<0.5	<2	3.73	<0.5	20	116	7	3.64
G0780439		0.76	0.033	<0.2	2.47	19	<10	<10	<0.5	<2	4.12	<0.5	21	139	44	4.26
G0780440		0.10	3.48	3.5	1.41	278	<10	470	<0.5	<2	1.27	1.5	9	53	74	3.31
G0780441		1.20	0.563	0.2	1.49	32	<10	10	<0.5	<2	2.86	<0.5	16	81	91	3.18
G0780442		1.76	0.925	<0.2	1.49	35	<10	10	<0.5	<2	2.42	<0.5	15	76	57	2.82
G0780443		1.90	0.076	<0.2	3.87	16	<10	<10	<0.5	<2	2.88	<0.5	35	162	157	5.86
G0780444		1.90	0.050	<0.2	2.58	13	<10	<10	<0.5	<2	3.18	<0.5	24	129	53	3.91
G0780445		1.68	0.035	<0.2	4.44	8	<10	<10	<0.5	<2	5.63	<0.5	40	199	156	6.53
G0780446		1.80	0.027	<0.2	3.45	4	<10	<10	<0.5	<2	5.13	<0.5	29	165	111	5.16
G0780447		2.06	0.031	<0.2	2.36	5	<10	10	<0.5	<2	4.00	<0.5	20	80	33	3.91
G0780448		1.72	0.017	<0.2	3.92	14	<10	<10	<0.5	<2	5.52	<0.5	32	163	27	6.22
G0780449		2.32	0.016	<0.2	3.34	11	<10	<10	<0.5	<2	2.84	<0.5	29	143	69	5.27
G0780450		0.08	1.085	0.2	4.42	1380	<10	100	<0.5	<2	6.75	<0.5	24	233	105	5.23
G0780451		2.04	0.034	<0.2	2.85	22	<10	<10	<0.5	<2	2.42	<0.5	29	129	133	4.67
G0780452		1.98	0.016	<0.2	2.84	3	<10	<10	<0.5	<2	2.39	<0.5	27	123	229	4.62
G0780453		2.06	0.009	<0.2	2.32	4	<10	<10	<0.5	<2	1.86	<0.5	22	97	76	3.89
G0780454		1.80	0.010	<0.2	2.01	<2	<10	<10	<0.5	<2	2.49	<0.5	22	89	68	3.76
G0780455		2.10	0.024	<0.2	2.38	<2	<10	<10	<0.5	<2	1.74	<0.5	23	113	283	3.90
G0780456		1.94	0.018	<0.2	2.98	3	<10	<10	<0.5	<2	4.71	<0.5	28	133	268	4.98
G0780457		2.20	0.099	0.4	2.20	7	<10	<10	<0.5	<2	2.00	<0.5	25	100	619	3.51
G0780458		2.14	0.046	<0.2	2.38	<2	<10	<10	<0.5	<2	1.53	<0.5	28	113	361	3.91
G0780459		2.18	0.059	<0.2	2.34	6	<10	<10	<0.5	<2	1.62	<0.5	23	147	41	3.70
G0780460		0.08	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.13	<0.5	<1	2	2	0.03
G0780461		1.64	0.277	<0.2	2.24	4	<10	<10	<0.5	<2	2.31	<0.5	23	112	190	3.76



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Finalized Date: 24-AUG-2009
Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS SD09080826

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
G0780422		<10	1	0.05	<10	1.45	417	<1	0.06	81	200	3	0.20	<2	4	31
G0780423		10	<1	0.02	<10	1.20	389	<1	0.04	64	190	3	0.42	<2	4	47
G0780424		10	<1	0.04	<10	2.80	721	<1	0.06	107	240	<2	0.63	<2	7	17
G0780425		10	1	0.02	<10	2.21	546	<1	0.05	89	230	<2	0.24	<2	5	24
G0780426		<10	1	0.04	<10	3.09	721	<1	0.06	106	230	<2	0.20	<2	5	20
G0780427		10	<1	0.01	<10	3.82	857	<1	0.03	109	250	<2	0.62	<2	7	18
G0780428		10	<1	0.02	<10	4.06	888	2	0.03	110	310	<2	0.91	<2	8	17
G0780429		10	<1	0.01	<10	2.82	581	1	0.06	106	240	<2	0.11	<2	6	29
G0780430		<10	<1	0.01	10	0.01	10	<1	<0.01	<1	20	<2	0.01	2	<1	1
G0780431		<10	<1	0.02	<10	2.45	526	<1	0.05	92	220	<2	0.08	<2	5	31
G0780432		<10	1	0.01	<10	2.09	473	<1	0.04	90	210	<2	0.36	<2	4	30
G0780433		<10	<1	0.01	<10	2.49	520	<1	0.04	93	220	<2	0.05	<2	4	35
G0780434		<10	<1	0.02	<10	1.95	512	<1	0.04	98	200	6	0.21	<2	4	36
G0780435		<10	<1	0.04	<10	2.36	520	<1	0.05	88	220	2	0.12	<2	4	25
G0780436		<10	<1	0.04	<10	1.93	503	<1	0.05	78	220	<2	0.14	<2	4	27
G0780437		<10	<1	0.02	10	1.51	428	<1	0.07	62	540	<2	0.02	3	3	28
G0780438		10	<1	0.06	10	1.88	598	<1	0.05	76	580	<2	0.33	<2	3	24
G0780439		<10	1	0.03	10	1.86	638	<1	0.07	83	550	<2	0.26	<2	5	20
G0780440		10	4	0.13	<10	0.80	437	11	0.05	36	740	286	0.64	30	4	32
G0780441		<10	<1	0.12	<10	0.85	379	<1	0.04	57	410	<2	0.58	<2	2	12
G0780442		10	1	0.14	<10	0.86	353	<1	0.06	48	350	<2	0.33	<2	2	12
G0780443		10	<1	0.03	<10	3.49	872	<1	0.03	116	230	<2	0.13	<2	5	32
G0780444		10	<1	0.05	<10	2.01	565	<1	0.04	89	300	<2	0.08	2	4	38
G0780445		10	<1	0.01	<10	4.00	1005	<1	0.01	127	220	<2	0.10	3	6	45
G0780446		10	<1	0.05	<10	2.93	808	<1	0.03	101	270	<2	0.10	<2	7	24
G0780447		<10	<1	0.13	<10	1.80	556	2	0.04	61	550	<2	0.31	<2	4	16
G0780448		10	<1	0.04	<10	3.15	946	<1	0.05	73	390	<2	0.03	<2	10	24
G0780449		10	<1	0.01	<10	2.96	805	<1	0.04	58	260	<2	0.02	<2	6	27
G0780450		10	<1	0.72	<10	3.03	1335	<1	0.11	114	340	17	0.60	46	14	107
G0780451		10	<1	0.01	<10	2.39	720	1	0.04	59	250	<2	0.19	<2	4	30
G0780452		<10	<1	0.01	<10	2.36	716	<1	0.04	58	260	<2	0.15	<2	5	29
G0780453		<10	<1	0.01	<10	1.93	595	<1	0.05	46	270	<2	0.08	<2	4	23
G0780454		<10	<1	0.01	<10	1.59	530	<1	0.05	42	240	<2	0.47	<2	4	27
G0780455		<10	<1	0.01	<10	1.89	591	<1	0.05	55	250	<2	0.08	<2	4	29
G0780456		10	1	0.01	<10	2.46	819	<1	0.04	63	250	<2	0.26	<2	5	29
G0780457		<10	<1	0.02	<10	1.72	527	1	0.04	54	270	2	0.15	<2	4	30
G0780458		10	<1	0.01	<10	2.03	563	<1	0.04	64	270	<2	0.21	4	4	21
G0780459		10	<1	0.02	<10	1.96	519	<1	0.06	63	280	<2	0.04	<2	4	20
G0780460		<10	<1	0.01	10	0.01	10	<1	<0.01	<1	30	<2	0.01	2	<1	1
G0780461		<10	<1	0.01	<10	1.69	514	<1	0.06	55	260	<2	0.19	<2	4	26



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CERTIFICATE OF ANALYSIS SD09080826

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G0780422		<20	0.21	<10	<10	55	<10	24
G0780423		<20	0.20	<10	<10	54	10	19
G0780424		<20	0.22	<10	<10	122	<10	52
G0780425		<20	0.21	<10	<10	86	<10	35
G0780426		<20	0.25	<10	<10	109	<10	40
G0780427		<20	0.18	<10	<10	139	<10	50
G0780428		<20	0.18	<10	<10	146	<10	56
G0780429		<20	0.23	<10	<10	106	<10	36
G0780430		<20	<0.01	<10	<10	1	<10	<2
G0780431		<20	0.24	<10	<10	86	<10	30
G0780432		<20	0.19	<10	<10	73	<10	27
G0780433		<20	0.23	<10	<10	77	<10	31
G0780434		<20	0.20	<10	<10	67	<10	25
G0780435		<20	0.21	<10	<10	77	<10	29
G0780436		<20	0.19	<10	<10	70	<10	24
G0780437		<20	0.16	<10	<10	48	<10	17
G0780438		<20	0.10	<10	<10	58	<10	22
G0780439		<20	0.11	<10	<10	74	<10	26
G0780440		<20	0.09	10	<10	57	<10	266
G0780441		<20	0.09	<10	<10	39	<10	17
G0780442		<20	0.08	<10	<10	36	<10	16
G0780443		<20	0.23	<10	<10	113	<10	42
G0780444		<20	0.14	<10	<10	67	<10	26
G0780445		<20	0.22	<10	<10	122	<10	57
G0780446		<20	0.18	<10	<10	108	<10	51
G0780447		<20	0.11	<10	<10	49	<10	38
G0780448		<20	0.20	<10	<10	160	<10	56
G0780449		<20	0.19	<10	<10	119	<10	40
G0780450		<20	0.09	<10	<10	155	10	63
G0780451		<20	0.18	<10	<10	100	<10	32
G0780452		<20	0.17	<10	<10	99	<10	31
G0780453		<20	0.16	<10	<10	85	<10	25
G0780454		<20	0.15	<10	<10	77	<10	21
G0780455		<20	0.18	<10	<10	85	<10	26
G0780456		<20	0.19	<10	<10	108	<10	33
G0780457		<20	0.16	<10	<10	71	<10	22
G0780458		<20	0.18	<10	<10	78	<10	25
G0780459		<20	0.19	<10	<10	88	<10	25
G0780460		<20	<0.01	<10	<10	<1	<10	<2
G0780461		<20	0.23	<10	<10	86	<10	26



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CERTIFICATE OF ANALYSIS SD09080826

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G0780462		1.04	0.500	0.3	3.42	15	<10	<10	<0.5	<2	2.54	<0.5	58	155	249	7.79
G0780463		2.04	0.040	<0.2	3.64	18	<10	<10	<0.5	<2	7.07	<0.5	38	180	312	6.67
G0780464		1.80	0.017	<0.2	4.00	8	<10	<10	<0.5	<2	5.96	<0.5	37	199	201	7.17
G0780465		2.10	0.006	<0.2	3.90	8	<10	<10	<0.5	<2	4.66	<0.5	36	184	147	6.75
G0780466		1.92	0.018	<0.2	3.40	13	<10	<10	<0.5	<2	4.56	<0.5	34	162	274	6.02
G0780467		2.08	0.065	<0.2	4.00	11	<10	<10	<0.5	<2	4.63	<0.5	44	196	216	7.34
G0780468		2.04	0.023	<0.2	3.91	17	<10	<10	<0.5	<2	4.75	<0.5	40	183	204	7.14
G0780469		1.28	0.035	<0.2	2.83	11	<10	<10	<0.5	<2	3.13	<0.5	29	121	319	5.00
G0780470		0.10	3.64	3.8	1.40	272	<10	380	<0.5	<2	1.25	<1.4	9	52	75	3.27
G0780471		1.72	0.087	0.5	3.36	30	<10	<10	<0.5	<2	5.06	<0.5	37	165	333	6.69
G0780472		1.46	0.647	0.8	1.19	124	<10	<10	<0.5	<2	11.35	<0.5	34	82	369	5.08
G0780473		0.82	0.025	0.3	0.99	22	<10	<10	<0.5	9	3.91	<0.5	14	72	149	2.45
G0780474		1.56	0.097	0.7	4.03	43	<10	<10	<0.5	9	5.85	<0.5	48	204	560	7.91
G0780475		1.98	0.037	<0.2	2.82	35	<10	<10	<0.5	<2	4.44	<0.5	36	153	146	5.01
G0780476		1.94	0.048	<0.2	3.03	35	<10	<10	<0.5	<2	3.56	<0.5	32	143	176	5.08
G0780477		2.06	0.083	<0.2	4.07	31	<10	<10	<0.5	<2	3.70	<0.5	38	204	278	7.09
G0780478		2.06	0.032	<0.2	3.21	22	<10	<10	<0.5	<2	2.60	<0.5	31	148	149	5.50
G0780479		1.84	0.035	<0.2	2.91	19	<10	<10	<0.5	<2	3.41	<0.5	33	140	249	5.39
G0780480		0.08	1.090	0.2	4.47	1410	<10	100	<0.5	<2	6.86	<0.5	24	235	109	5.29
G0780481		1.96	0.034	<0.2	2.53	33	<10	<10	<0.5	<2	1.63	<0.5	27	127	362	4.44
G0780482		2.20	0.024	<0.2	2.38	29	<10	<10	<0.5	<2	2.66	<0.5	28	120	201	4.14
G0780483		2.00	0.044	0.2	2.44	31	<10	<10	<0.5	<2	1.64	<0.5	30	130	514	4.39
G0780484		1.92	0.016	<0.2	2.53	36	<10	<10	<0.5	<2	1.78	<0.5	29	126	349	4.59
G0780485		2.18	0.021	<0.2	3.94	52	<10	<10	<0.5	<2	4.42	<0.5	40	186	319	6.87
G0780486		1.10	0.030	<0.2	4.44	49	<10	<10	<0.5	<2	6.38	<0.5	38	218	300	7.71
G0780487		1.18	0.010	<0.2	4.75	43	<10	<10	<0.5	<2	5.72	<0.5	37	225	248	7.76
G0780488		1.48	0.014	<0.2	2.28	18	<10	<10	<0.5	<2	4.30	<0.5	19	102	157	3.87
G0780489		1.92	0.007	<0.2	1.23	6	<10	30	<0.5	<2	3.63	<0.5	13	14	40	2.59
G0780490		0.08	<0.005	<0.2	0.02	<2	<10	<10	<0.5	<2	0.13	<0.5	1	1	2	0.03
G0780491		1.98	0.007	0.2	1.53	<2	<10	30	<0.5	<2	4.29	<0.5	11	17	24	2.72
G0780492		1.74	0.015	<0.2	1.71	11	<10	50	<0.5	<2	4.98	<0.5	11	19	12	2.86
G0780493		1.86	0.020	<0.2	1.84	9	<10	30	<0.5	<2	4.08	<0.5	13	20	24	3.10
G0780494		1.62	0.015	<0.2	1.92	8	<10	30	<0.5	<2	4.89	<0.5	12	22	23	3.14
G0780495		2.22	0.018	<0.2	4.55	4	<10	<10	<0.5	<2	7.46	<0.5	39	208	121	7.67
G0780496		1.76	0.018	<0.2	4.53	3	<10	<10	<0.5	<2	6.91	<0.5	38	218	210	7.83
G0780497		1.98	0.109	<0.2	4.38	3	<10	<10	<0.5	<2	5.50	<0.5	38	203	198	7.26
G0780498		1.84	0.036	<0.2	3.75	<2	<10	<10	<0.5	<2	3.54	<0.5	36	176	74	5.91
G0780499		1.88	0.033	<0.2	3.90	7	<10	<10	<0.5	<2	4.32	<0.5	37	176	213	5.99
G0780500		0.10	3.59	4.1	1.43	271	<10	480	<0.5	<2	1.28	1.4	9	54	76	3.32
N657551		1.72	0.024	<0.2	3.96	7	<10	<10	<0.5	<2	6.11	<0.5	37	185	196	6.56



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SUITE 1500
TORONTO ON M5C 1B5

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Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS SD09080826

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
G0780462		10	<1	0.01	<10	2.64	858	<1	0.06	68	260	<2	2.01	<2	6	14
G0780463		10	<1	<0.01	<10	2.67	1005	<1	0.03	72	240	3	0.65	<2	8	32
G0780464		10	<1	0.01	<10	3.25	1115	1	0.03	74	270	<2	0.84	<2	10	23
G0780465		10	1	<0.01	<10	3.18	1085	<1	0.03	73	260	<2	0.31	<2	7	21
G0780466		10	<1	<0.01	<10	2.68	937	<1	0.04	68	260	<2	0.31	3	6	25
G0780467		10	1	<0.01	<10	3.12	1040	<1	0.03	77	260	<2	0.62	<2	7	24
G0780468		10	1	0.01	<10	3.04	985	<1	0.04	75	250	3	0.60	<2	8	21
G0780469		<10	1	0.01	<10	2.19	704	<1	0.08	60	250	<2	0.22	<2	5	21
G0780470		<10	5	0.13	<10	0.79	432	12	0.06	37	740	279	0.63	29	4	32
G0780471		10	1	0.01	<10	2.45	857	<1	0.05	80	250	3	1.09	<2	7	21
G0780472		<10	1	0.01	<10	0.77	672	1	0.04	46	100	13	3.77	<2	4	28
G0780473		<10	<1	0.01	<10	0.75	328	<1	0.03	28	80	<2	0.67	<2	4	9
G0780474		10	<1	<0.01	<10	3.06	1035	<1	0.05	88	250	7	1.04	2	12	17
G0780475		<10	<1	0.01	<10	2.18	713	<1	0.03	63	220	3	0.27	<2	6	18
G0780476		10	1	<0.01	<10	2.44	731	<1	0.05	57	260	<2	0.12	<2	5	22
G0780477		10	<1	<0.01	<10	3.36	931	1	0.04	80	350	<2	0.47	<2	6	23
G0780478		10	<1	<0.01	<10	2.56	716	<1	0.05	62	260	<2	0.24	<2	5	25
G0780479		10	<1	<0.01	<10	2.16	681	1	0.05	61	250	<2	0.26	<2	6	23
G0780480		10	<1	0.74	<10	3.06	1350	<1	0.12	115	350	17	0.62	47	14	109
G0780481		<10	<1	0.01	<10	1.94	521	1	0.06	53	250	<2	0.09	<2	4	27
G0780482		<10	1	<0.01	<10	1.76	518	<1	0.05	51	240	<2	0.14	<2	4	29
G0780483		<10	<1	<0.01	<10	1.81	519	1	0.05	56	250	<2	0.19	<2	5	33
G0780484		10	<1	<0.01	<10	1.98	570	<1	0.07	58	250	2	0.18	<2	5	26
G0780485		10	1	<0.01	<10	3.11	926	<1	0.05	75	260	6	0.25	<2	8	26
G0780486		10	1	<0.01	<10	3.47	1055	1	0.04	77	250	<2	0.24	<2	31	24
G0780487		10	<1	<0.01	<10	3.82	1080	<1	0.03	81	270	<2	0.14	<2	37	20
G0780488		10	<1	0.06	<10	1.61	574	<1	0.07	51	480	<2	0.30	<2	10	17
G0780489		<10	1	0.28	10	0.45	367	1	0.02	21	570	<2	0.88	4	2	15
G0780490		<10	<1	0.01	10	0.01	9	<1	<0.01	<1	20	<2	0.01	<2	<1	1
G0780491		<10	<1	0.29	10	0.49	497	<1	0.02	21	570	<2	0.20	<2	2	19
G0780492		<10	<1	0.27	10	0.70	511	<1	0.03	22	560	<2	0.23	3	2	24
G0780493		<10	<1	0.23	10	0.87	496	1	0.03	23	550	<2	0.20	<2	2	19
G0780494		<10	<1	0.24	10	0.92	531	<1	0.04	22	530	<2	0.18	3	3	22
G0780495		10	1	0.01	<10	3.37	1160	1	0.03	71	260	<2	0.06	<2	33	29
G0780496		10	2	<0.01	<10	3.51	1175	2	0.04	73	260	<2	0.06	<2	30	24
G0780497		10	<1	<0.01	<10	3.80	1130	2	0.04	72	250	<2	0.06	<2	9	34
G0780498		10	<1	<0.01	<10	3.22	1015	<1	0.03	69	270	2	0.04	<2	9	77
G0780499		10	<1	<0.01	<10	3.48	1105	<1	0.03	68	260	<2	0.05	<2	7	58
G0780500		<10	5	0.13	<10	0.80	438	11	0.06	37	750	280	0.64	26	4	33
N657551		10	1	<0.01	<10	3.08	1190	<1	0.03	73	260	<2	0.19	<2	6	52



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Project: CREE LAKE

CERTIFICATE OF ANALYSIS	SD09080826
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Sample Description	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Th	Ti	Ti	U	V	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	ppm
Method Analyte Units LOR	20	0.01	10	10	1	10	2
G0780462	<20	0.20	<10	<10	142	<10	45
G0780463	<20	0.21	<10	<10	154	<10	47
G0780464	<20	0.26	<10	<10	174	<10	55
G0780465	<20	0.26	<10	<10	157	<10	55
G0780466	<20	0.25	<10	<10	134	<10	46
G0780467	<20	0.24	<10	<10	164	<10	51
G0780468	<20	0.22	<10	<10	160	<10	58
G0780469	<20	0.24	<10	<10	108	<10	37
G0780470	<20	0.09	<10	<10	57	<10	258
G0780471	<20	0.22	<10	<10	139	<10	48
G0780472	<20	0.09	<10	<10	73	<10	21
G0780473	<20	0.09	<10	<10	56	10	13
G0780474	<20	0.21	<10	<10	194	<10	59
G0780475	<20	0.16	<10	<10	131	<10	50
G0780476	<20	0.23	<10	<10	115	<10	40
G0780477	<20	0.26	<10	<10	155	<10	50
G0780478	<20	0.25	<10	<10	119	<10	37
G0780479	<20	0.21	<10	<10	109	<10	33
G0780480	<20	0.10	<10	<10	156	10	64
G0780481	<20	0.21	<10	<10	90	<10	29
G0780482	<20	0.19	<10	<10	81	<10	26
G0780483	<20	0.23	<10	<10	88	<10	27
G0780484	<20	0.22	<10	<10	102	<10	29
G0780485	<20	0.22	<10	<10	173	<10	52
G0780486	<20	0.25	<10	<10	234	<10	67
G0780487	<20	0.28	<10	<10	241	<10	77
G0780488	<20	0.11	<10	<10	80	<10	40
G0780489	<20	0.04	<10	<10	13	<10	23
G0780490	<20	<0.01	<10	<10	<1	<10	<2
G0780491	<20	0.06	<10	<10	13	<10	38
G0780492	<20	0.07	<10	<10	17	<10	45
G0780493	<20	0.07	<10	<10	19	<10	43
G0780494	<20	0.07	<10	<10	23	<10	35
G0780495	<20	0.17	<10	<10	227	<10	81
G0780496	<20	0.19	<10	<10	238	<10	69
G0780497	<20	0.21	<10	<10	191	<10	61
G0780498	<20	0.22	<10	<10	133	<10	48
G0780499	<20	0.22	<10	<10	137	<10	51
G0780500	<20	0.09	<10	<10	58	<10	263
N657551	<20	0.23	<10	<10	148	<10	52



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CERTIFICATE OF ANALYSIS TB09072617

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Th	Ti	Ti	U	V	W	
	Units LOR	ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G0782453		<20	0.08	<10	<10	32	<10	63
G0782454		<20	0.15	<10	<10	73	<10	88
G0782455		<20	0.13	<10	<10	80	<10	94
G0782456		<20	0.12	<10	<10	63	<10	83
G0782457		<20	0.13	<10	<10	66	<10	75
G0782458		<20	0.09	<10	<10	62	<10	78
G0782459		<20	0.14	<10	<10	73	<10	81
G0782460		<20	0.09	<10	<10	152	20	63
G0782461		<20	0.14	<10	<10	71	<10	78
G0782462		<20	0.13	<10	<10	60	<10	76
G0782463		<20	0.15	<10	<10	62	<10	78
G0782464		<20	0.19	<10	<10	46	<10	68
G0782465		<20	0.17	<10	<10	63	<10	78
G0782466		<20	0.17	<10	<10	78	<10	80
G0782467		<20	0.15	<10	<10	71	<10	81
G0782468		<20	0.19	<10	<10	91	<10	87
G0782469		<20	0.16	<10	<10	77	<10	79
G0782470		<20	<0.01	<10	<10	1	<10	<2
G0782471		<20	0.19	<10	<10	86	<10	80
G0782472		<20	0.16	<10	<10	80	<10	79



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CERTIFICATE TB09072617

Project: CREE LAKE

P.O. No.:

This report is for 100 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 28-JUL-2009.

The following have access to data associated with this certificate:

WALTER HANYCH

ROBIN ROSS

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

To: MANTIS MINERAL CORP
ATTN: WALTER HANYCH
8 KING STREET EAST
SUITE 1500
TORONTO ON M5C 1B5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS TB09072617

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G0782373		2.13	0.008	0.4	3.13	4	<10	10	<0.5	<2	4.17	<0.5	24	132	35	4.42
G0782374		2.67	<0.005	0.4	3.16	<2	<10	10	<0.5	<2	3.74	<0.5	24	132	51	4.38
G0782375		2.36	<0.005	0.3	3.20	3	<10	20	<0.5	<2	3.28	<0.5	25	129	25	4.51
G0782376		1.73	<0.005	0.2	3.44	<2	<10	20	<0.5	<2	2.80	<0.5	27	214	136	4.90
G0782377		2.55	<0.005	0.3	3.21	<2	<10	20	<0.5	<2	3.31	<0.5	25	119	70	4.55
G0782378		1.85	<0.005	<0.2	3.11	2	<10	20	<0.5	<2	4.20	<0.5	23	104	50	4.22
G0782379		1.70	<0.005	0.2	3.08	3	<10	20	<0.5	<2	4.39	<0.5	23	112	56	4.21
G0782380		0.08	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.12	<0.5	<1	2	2	0.03
G0782381		1.79	0.006	<0.2	3.13	<2	<10	40	<0.5	<2	3.90	<0.5	24	111	58	4.34
G0782382		1.73	<0.005	<0.2	3.35	2	<10	60	<0.5	<2	3.85	<0.5	25	109	54	4.58
G0782383		1.71	<0.005	<0.2	3.30	3	<10	20	<0.5	<2	3.66	<0.5	26	101	55	4.61
G0782384		1.76	0.005	1.3	2.79	3	<10	20	<0.5	4	5.46	<0.5	23	83	50	4.09
G0782385		1.83	<0.005	<0.2	3.08	2	<10	40	<0.5	<2	4.11	<0.5	23	97	47	4.33
G0782386		1.74	<0.005	0.3	3.02	3	<10	40	<0.5	<2	3.68	<0.5	23	102	48	4.41
G0782387		1.78	<0.005	<0.2	2.90	2	<10	50	<0.5	<2	3.54	<0.5	22	71	27	4.31
G0782388		1.21	<0.005	<0.2	3.13	<2	<10	40	<0.5	<2	2.82	<0.5	26	105	57	4.70
G0782389		0.75	<0.005	0.2	1.67	3	<10	120	<0.5	<2	7.18	<0.5	17	43	79	3.80
G0782390		0.10	3.54	3.8	1.42	274	<10	560	<0.5	2	1.24	1.4	9	52	74	3.28
G0782391		1.20	0.006	<0.2	2.44	3	<10	60	<0.5	<2	2.93	<0.5	21	117	41	3.87
G0782392		1.17	0.005	0.3	1.90	2	<10	130	<0.5	<2	4.79	<0.5	16	84	42	3.40
G0782393		1.76	0.007	0.4	3.06	4	<10	90	<0.5	<2	4.06	<0.5	25	112	59	4.52
G0782394		2.09	<0.005	0.2	2.88	<2	<10	30	<0.5	<2	3.49	<0.5	24	118	38	4.39
G0782395		1.96	<0.005	0.3	3.05	2	<10	20	<0.5	<2	3.06	<0.5	27	124	33	4.77
G0782396		1.48	0.005	0.2	2.48	3	<10	30	<0.5	<2	3.92	<0.5	25	97	40	4.12
G0782397		1.42	<0.005	<0.2	2.23	3	<10	170	<0.5	<2	4.57	<0.5	20	106	46	3.76
G0782398		1.32	<0.005	0.3	2.43	4	<10	60	<0.5	<2	3.85	<0.5	23	109	39	4.01
G0782399		2.06	0.006	0.3	2.76	<2	<10	50	<0.5	<2	4.54	<0.5	24	97	44	4.30
G0782400		0.08	0.993	0.5	4.45	1380	<10	110	<0.5	<2	6.32	<0.5	23	239	108	5.16
G0782401		1.75	<0.005	0.2	3.29	9	<10	30	<0.5	<2	2.92	<0.5	27	131	14	4.91
G0782402		1.51	<0.005	<0.2	2.92	2	<10	40	<0.5	<2	3.86	<0.5	25	107	45	4.61
G0782403		1.76	<0.005	<0.2	2.46	2	<10	40	<0.5	<2	3.09	<0.5	16	21	38	3.51
G0782404		1.80	<0.005	0.2	2.95	3	<10	30	<0.5	2	3.54	<0.5	27	93	41	4.72
G0782405		1.78	<0.005	0.2	2.03	4	<10	20	<0.5	<2	3.83	<0.5	20	101	36	3.61
G0782406		2.76	<0.005	<0.2	2.37	2	<10	30	<0.5	<2	2.86	<0.5	21	118	34	3.83
G0782407		0.50	0.026	0.3	1.46	3	<10	40	<0.5	3	6.61	<0.5	23	46	76	3.76
G0782408		1.83	<0.005	0.2	2.47	3	<10	40	<0.5	<2	3.73	<0.5	23	79	14	4.10
G0782409		2.37	<0.005	<0.2	2.43	3	<10	20	<0.5	<2	3.53	<0.5	24	135	21	4.24
G0782410		0.08	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.13	<0.5	<1	2	3	0.03
G0782411		1.24	<0.005	<0.2	2.62	2	<10	20	<0.5	<2	3.37	<0.5	24	103	35	4.37
G0782412		1.27	<0.005	0.2	3.01	3	<10	30	<0.5	<2	2.92	<0.5	28	87	12	4.84



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8 KING STREET EAST
SUITE 1500
TORONTO ON M5C 1B5

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CERTIFICATE OF ANALYSIS TB09072617

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
G0782373		10	1	0.03	10	2.54	822	<1	0.05	90	490	<2	<0.01	<2	9	109
G0782374		10	1	0.05	10	2.53	823	<1	0.05	91	420	2	<0.01	<2	7	110
G0782375		10	1	0.06	10	2.51	752	<1	0.04	91	500	<2	<0.01	<2	7	95
G0782376		10	<1	0.04	10	2.73	724	<1	0.05	114	480	8	<0.01	<2	9	73
G0782377		10	<1	0.05	10	2.50	721	<1	0.04	88	480	2	0.01	<2	7	100
G0782378		10	1	0.06	10	2.46	846	<1	0.05	82	510	<2	0.01	<2	7	128
G0782379		<10	1	0.07	10	2.48	906	<1	0.05	80	520	<2	0.01	<2	6	139
G0782380		<10	1	0.01	10	0.01	10	<1	<0.01	<1	40	<2	<0.01	<2	<1	2
G0782381		10	1	0.07	10	2.52	845	<1	0.05	86	500	2	0.01	<2	6	121
G0782382		10	1	0.05	10	2.58	823	<1	0.06	84	500	<2	0.01	<2	9	128
G0782383		10	1	0.05	10	2.52	735	<1	0.05	83	480	2	0.02	<2	8	116
G0782384		<10	1	0.06	<10	2.10	998	1	0.04	73	440	4	0.23	<2	6	186
G0782385		10	1	0.05	10	2.30	873	<1	0.06	77	460	2	0.01	<2	7	138
G0782386		10	1	0.07	10	2.37	843	<1	0.06	81	460	<2	0.01	<2	6	115
G0782387		10	1	0.10	10	2.26	789	<1	0.05	72	510	2	<0.01	<2	5	115
G0782388		10	1	0.07	10	2.64	730	<1	0.04	93	570	<2	<0.01	<2	6	93
G0782389		<10	1	0.10	10	2.57	1395	<1	0.04	41	400	4	0.01	<2	4	215
G0782390		<10	6	0.14	<10	0.78	453	11	0.06	36	750	278	0.62	27	4	34
G0782391		10	1	0.05	20	2.46	766	<1	0.06	83	790	<2	0.01	<2	5	97
G0782392		<10	1	0.07	20	2.21	1020	<1	0.06	65	750	2	0.01	<2	4	151
G0782393		10	1	0.07	10	2.63	808	2	0.04	88	440	4	0.08	<2	5	140
G0782394		10	1	0.09	10	2.58	814	<1	0.04	91	480	<2	0.02	<2	5	88
G0782395		<10	1	0.07	10	2.94	796	<1	0.04	105	500	<2	0.03	<2	7	90
G0782396		<10	1	0.09	10	2.54	828	<1	0.04	87	530	2	0.22	<2	5	122
G0782397		10	1	0.06	30	2.50	893	<1	0.04	92	1040	<2	0.01	<2	5	145
G0782398		<10	1	0.06	20	2.66	888	<1	0.04	90	850	2	0.20	<2	5	117
G0782399		<10	1	0.09	<10	2.53	884	<1	0.04	80	410	3	0.29	<2	6	149
G0782400		10	1	0.73	<10	3.03	1365	<1	0.12	114	360	20	0.59	50	14	114
G0782401		10	1	0.09	10	2.98	794	<1	0.04	103	450	2	0.05	<2	6	90
G0782402		10	1	0.13	10	2.78	976	<1	0.04	96	470	5	0.03	<2	5	109
G0782403		<10	1	0.14	10	1.62	511	<1	0.03	29	650	2	0.10	<2	3	111
G0782404		<10	1	0.13	10	2.81	925	1	0.03	90	550	<2	0.11	<2	5	105
G0782405		10	1	0.07	10	2.29	782	<1	0.06	78	750	2	0.06	<2	4	116
G0782406		10	1	0.08	20	2.35	624	<1	0.08	85	790	<2	0.01	<2	5	94
G0782407		<10	1	0.15	10	2.50	1225	20	0.04	59	530	6	0.38	<2	5	197
G0782408		10	1	0.11	10	2.48	798	<1	0.06	85	620	<2	0.12	<2	5	107
G0782409		10	1	0.05	30	3.12	905	<1	0.04	106	1010	<2	0.01	<2	7	104
G0782410		<10	1	0.01	10	0.01	11	<1	<0.01	<1	40	<2	0.01	<2	<1	2
G0782411		10	1	0.09	20	3.02	814	<1	0.04	94	790	<2	0.02	<2	5	99
G0782412		10	1	0.11	10	3.06	668	<1	0.03	98	510	<2	0.05	<2	5	77



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Project: CREE LAKE

CERTIFICATE OF ANALYSIS TB09072617

Sample Description	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Th	Ti	Ti	U	V	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	ppm
Method Analyte Units LOR	20	0.01	10	10	1	10	2
G0782373	<20	0.02	<10	<10	78	<10	76
G0782374	<20	0.01	<10	<10	61	<10	71
G0782375	<20	0.01	<10	<10	59	<10	74
G0782376	<20	0.01	<10	<10	74	<10	88
G0782377	<20	0.01	<10	<10	63	<10	82
G0782378	<20	0.01	<10	<10	58	<10	74
G0782379	<20	0.01	<10	<10	53	<10	71
G0782380	<20	<0.01	<10	<10	1	<10	<2
G0782381	<20	0.01	<10	<10	53	<10	73
G0782382	<20	0.01	<10	<10	68	<10	77
G0782383	<20	0.01	<10	<10	64	<10	76
G0782384	<20	0.01	<10	<10	48	<10	66
G0782385	<20	0.01	<10	<10	58	<10	75
G0782386	<20	0.01	<10	<10	55	<10	78
G0782387	<20	0.01	<10	<10	43	<10	81
G0782388	<20	0.01	<10	<10	56	<10	92
G0782389	<20	0.01	<10	<10	33	<10	62
G0782390	<20	0.09	<10	<10	58	<10	264
G0782391	<20	0.01	<10	<10	56	<10	75
G0782392	<20	0.01	<10	<10	41	<10	55
G0782393	<20	0.01	<10	<10	48	<10	85
G0782394	<20	0.01	<10	<10	46	<10	83
G0782395	<20	0.01	<10	<10	53	<10	83
G0782396	<20	0.01	<10	<10	39	<10	65
G0782397	<20	0.01	<10	<10	51	<10	60
G0782398	<20	0.01	<10	<10	50	<10	64
G0782399	<20	0.01	<10	<10	46	<10	71
G0782400	<20	0.10	<10	<10	159	20	66
G0782401	<20	0.01	<10	<10	53	<10	88
G0782402	<20	0.01	<10	<10	42	<10	80
G0782403	<20	0.01	<10	<10	28	<10	65
G0782404	<20	0.01	<10	<10	40	<10	82
G0782405	<20	0.01	<10	<10	43	<10	61
G0782406	<20	0.01	<10	<10	51	<10	72
G0782407	<20	0.01	<10	<10	31	<10	51
G0782408	<20	0.01	<10	<10	46	<10	72
G0782409	<20	0.01	<10	<10	60	<10	76
G0782410	<20	<0.01	<10	<10	<1	<10	<2
G0782411	<20	0.01	<10	<10	46	<10	76
G0782412	<20	0.01	<10	<10	40	<10	84



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CERTIFICATE OF ANALYSIS TB09072617

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G0782413		1.42	0.021	0.5	0.99	4	<10	60	<0.5	<2	7.02	<0.5	30	29	49	3.74
G0782414		2.05	<0.005	0.2	1.66	3	<10	30	<0.5	<2	5.06	<0.5	19	61	41	3.32
G0782415		1.32	0.095	0.9	1.82	3	<10	30	<0.5	2	5.51	<0.5	28	71	76	4.10
G0782416		1.65	0.068	0.5	2.41	4	<10	110	<0.5	3	5.30	<0.5	28	102	102	4.44
G0782417		1.28	0.283	2.1	2.31	2	<10	80	<0.5	4	5.75	<0.5	24	175	134	4.04
G0782418		1.76	<0.005	<0.2	3.54	3	<10	10	<0.5	<2	2.25	<0.5	29	393	40	4.45
G0782419		2.16	<0.005	0.3	3.22	3	<10	30	<0.5	<2	4.57	<0.5	27	238	109	4.10
G0782420		0.10	3.68	4.2	1.57	287	<10	550	<0.5	<2	1.34	1.6	9	58	79	3.39
G0782421		1.79	<0.005	0.3	3.65	5	<10	70	<0.5	<2	5.91	<0.5	28	147	20	4.42
G0782422		1.81	<0.005	0.4	3.51	3	<10	20	<0.5	<2	5.81	<0.5	26	208	86	4.30
G0782423		1.58	<0.005	0.3	4.16	2	<10	10	<0.5	<2	2.53	<0.5	30	240	41	5.12
G0782424		1.82	<0.005	0.3	3.79	4	<10	20	<0.5	<2	2.05	<0.5	29	157	24	4.88
G0782425		1.74	<0.005	0.3	3.70	2	<10	10	<0.5	<2	3.82	<0.5	29	169	22	4.80
G0782426		1.78	<0.005	<0.2	3.69	2	<10	20	<0.5	<2	3.34	<0.5	29	165	26	4.92
G0782427		1.89	<0.005	0.2	3.76	4	<10	20	<0.5	<2	2.34	<0.5	30	169	48	5.05
G0782428		1.71	<0.005	<0.2	2.45	2	<10	20	<0.5	<2	7.54	<0.5	17	106	16	3.19
G0782429		1.53	<0.005	0.3	2.92	2	20	20	<0.5	<2	12.05	<0.5	20	84	72	3.84
G0782430		0.08	1.130	0.4	4.57	1405	<10	110	<0.5	<2	6.32	<0.5	24	241	110	5.23
G0782431		1.75	<0.005	<0.2	4.19	11	<10	20	<0.5	<2	2.42	<0.5	32	229	5	5.54
G0782432		1.56	<0.005	<0.2	4.12	2	<10	20	<0.5	<2	3.52	<0.5	33	178	7	5.47
G0782433		2.29	<0.005	0.2	2.18	3	<10	130	<0.5	<2	8.39	<0.5	15	71	13	2.88
G0782434		0.99	<0.005	<0.2	3.98	3	<10	30	<0.5	<2	2.45	<0.5	31	131	7	5.34
G0782435		0.81	0.016	0.4	2.18	3	<10	170	<0.5	<2	9.10	<0.5	16	90	279	2.93
G0782436		2.11	<0.005	0.4	3.66	3	<10	30	<0.5	<2	3.02	<0.5	29	146	84	4.99
G0782437		1.26	0.006	0.3	3.08	3	<10	30	<0.5	<2	5.31	<0.5	24	101	84	4.19
G0782438		1.65	0.006	0.4	3.43	<2	<10	40	<0.5	<2	4.34	<0.5	27	115	51	4.56
G0782439		1.48	<0.005	0.3	2.91	<2	<10	50	<0.5	<2	3.20	<0.5	20	116	4	3.71
G0782440		0.08	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.13	<0.5	<1	2	3	0.03
G0782441		1.97	<0.005	0.2	2.67	<2	<10	150	<0.5	<2	3.75	<0.5	21	103	3	3.40
G0782442		1.76	<0.005	0.2	3.10	3	<10	50	<0.5	<2	3.97	<0.5	23	140	5	3.84
G0782443		1.94	<0.005	<0.2	3.11	2	<10	50	<0.5	<2	4.41	<0.5	22	149	<1	3.81
G0782444		2.06	<0.005	0.2	2.97	3	<10	70	<0.5	<2	3.41	<0.5	20	133	39	3.74
G0782445		1.83	0.006	0.4	2.86	4	<10	40	<0.5	<2	3.43	<0.5	21	103	165	3.91
G0782446		1.84	<0.005	0.3	2.96	4	<10	30	<0.5	<2	4.00	<0.5	22	90	32	4.16
G0782447		1.90	<0.005	<0.2	3.23	3	<10	20	<0.5	<2	3.03	<0.5	25	97	47	4.54
G0782448		2.01	<0.005	0.3	3.44	2	<10	20	<0.5	<2	2.52	<0.5	25	113	24	4.79
G0782449		2.10	<0.005	<0.2	2.96	2	<10	30	<0.5	<2	3.68	<0.5	23	46	135	4.32
G0782450		0.10	3.56	3.9	1.46	284	<10	520	<0.5	<2	1.29	1.5	9	53	76	3.30
G0782451		1.18	<0.005	<0.2	2.78	2	<10	30	<0.5	<2	3.20	<0.5	22	66	21	4.14
G0782452		2.22	<0.005	<0.2	2.23	<2	<10	30	<0.5	<2	3.38	<0.5	16	17	85	3.35



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Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS TB09072617

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
G0782413		<10	1	0.14	<10	2.70	1225	9	0.02	62	730	4	0.92	<2	3	195
G0782414		<10	1	0.13	10	2.27	811	<1	0.03	74	910	<2	0.19	<2	4	144
G0782415		<10	1	0.09	<10	2.53	936	5	0.04	93	950	2	0.93	<2	6	163
G0782416		<10	1	0.06	<10	2.63	859	3	0.04	90	880	3	0.86	<2	7	185
G0782417		10	1	0.06	<10	3.30	1090	6	0.03	122	650	5	0.54	<2	8	173
G0782418		10	1	0.02	10	4.40	723	<1	0.03	177	420	<2	0.01	<2	11	61
G0782419		10	1	0.09	10	3.25	757	<1	0.02	158	650	<2	0.01	<2	7	149
G0782420		<10	5	0.15	10	0.82	480	12	0.07	39	790	294	0.66	29	4	38
G0782421		<10	1	0.11	10	2.96	818	<1	0.01	124	910	2	0.01	<2	4	243
G0782422		<10	1	0.08	10	2.88	868	<1	0.02	126	680	<2	0.01	<2	6	205
G0782423		10	1	0.03	20	3.71	656	<1	0.04	129	910	<2	<0.01	<2	10	87
G0782424		10	1	0.05	10	3.28	604	<1	0.04	111	670	3	<0.01	<2	8	69
G0782425		10	1	0.03	10	3.12	857	<1	0.04	109	730	<2	<0.01	<2	10	140
G0782426		10	1	0.04	10	3.11	771	<1	0.04	105	640	<2	<0.01	<2	9	115
G0782427		10	1	0.06	10	3.11	656	<1	0.04	120	640	<2	<0.01	<2	8	81
G0782428		<10	<1	0.06	10	1.88	1300	<1	0.03	53	570	<2	<0.01	<2	6	258
G0782429		<10	1	0.03	10	2.33	2040	<1	0.01	56	520	3	0.01	<2	6	515
G0782430		10	1	0.74	<10	3.09	1395	<1	0.12	113	370	16	0.60	46	14	116
G0782431		10	1	0.06	10	3.56	681	<1	0.03	147	600	<2	0.01	<2	7	92
G0782432		10	1	0.05	10	3.40	850	<1	0.04	128	630	<2	<0.01	<2	9	130
G0782433		<10	1	0.13	10	1.64	1405	<1	0.03	53	490	<2	0.01	<2	4	282
G0782434		10	<1	0.08	10	3.29	730	<1	0.03	119	700	<2	<0.01	<2	7	76
G0782435		<10	1	0.08	10	1.62	1575	<1	0.02	59	520	2	0.02	<2	3	451
G0782436		10	1	0.07	10	3.02	742	<1	0.04	108	680	<2	<0.01	<2	7	101
G0782437		10	1	0.07	10	2.46	966	<1	0.03	81	580	<2	0.01	<2	6	159
G0782438		<10	1	0.11	10	2.79	840	<1	0.03	97	620	<2	0.01	<2	5	126
G0782439		10	<1	0.09	30	2.54	617	<1	0.05	80	810	<2	0.01	<2	4	121
G0782440		<10	1	0.01	10	0.01	11	<1	<0.01	<1	40	<2	0.01	<2	<1	2
G0782441		10	1	0.10	20	2.38	638	<1	0.05	85	810	2	0.01	<2	3	147
G0782442		10	1	0.06	30	2.87	674	<1	0.05	99	1050	<2	0.01	<2	5	138
G0782443		10	1	0.05	30	2.91	709	<1	0.05	101	1050	<2	0.01	<2	6	165
G0782444		10	1	0.06	20	2.66	624	<1	0.06	81	840	<2	0.01	<2	6	131
G0782445		10	<1	0.07	10	2.37	658	2	0.03	77	600	<2	0.04	<2	4	94
G0782446		10	<1	0.08	10	2.36	756	1	0.03	79	450	2	0.01	<2	4	96
G0782447		10	1	0.06	10	2.62	732	<1	0.03	87	460	<2	<0.01	<2	6	72
G0782448		10	1	0.05	10	2.88	730	<1	0.03	86	480	<2	<0.01	<2	7	57
G0782449		10	1	0.11	10	2.17	769	<1	0.02	58	610	<2	0.02	<2	4	79
G0782450		<10	5	0.14	10	0.79	458	12	0.06	36	760	287	0.63	28	4	34
G0782451		10	<1	0.09	10	2.00	711	<1	0.03	66	520	<2	<0.01	<2	3	69
G0782452		10	<1	0.14	10	1.41	617	<1	0.02	29	650	<2	0.01	<2	2	68



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Project: CREE LAKE

CERTIFICATE OF ANALYSIS TB09072617

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G0782413		<20	<0.01	<10	<10	18	<10	39
G0782414		<20	0.01	<10	<10	27	<10	47
G0782415		<20	<0.01	<10	<10	36	<10	51
G0782416		<20	<0.01	<10	<10	53	<10	59
G0782417		<20	<0.01	<10	<10	48	<10	56
G0782418		<20	0.01	<10	<10	78	<10	82
G0782419		<20	0.01	<10	<10	50	<10	68
G0782420		<20	0.10	<10	<10	64	<10	283
G0782421		<20	0.01	<10	<10	40	<10	73
G0782422		<20	0.01	<10	<10	52	<10	70
G0782423		<20	0.01	<10	<10	88	<10	86
G0782424		<20	0.01	<10	<10	71	<10	78
G0782425		<20	0.01	<10	<10	76	<10	76
G0782426		<20	0.01	<10	<10	79	<10	77
G0782427		<20	0.01	<10	<10	71	<10	78
G0782428		<20	0.01	<10	<10	48	<10	49
G0782429		<20	0.01	<10	<10	46	<10	59
G0782430		<20	0.10	<10	<10	161	20	66
G0782431		<20	0.01	<10	<10	71	<10	88
G0782432		<20	0.01	<10	<10	79	<10	87
G0782433		<20	0.01	<10	<10	35	<10	43
G0782434		<20	0.01	<10	<10	68	<10	85
G0782435		<20	<0.01	<10	<10	28	<10	45
G0782436		<20	0.01	<10	<10	66	<10	82
G0782437		<20	0.01	<10	<10	54	<10	69
G0782438		<20	0.01	<10	<10	47	<10	77
G0782439		<20	0.01	<10	<10	51	<10	69
G0782440		<20	<0.01	<10	<10	1	<10	<2
G0782441		<20	0.01	<10	<10	42	<10	62
G0782442		<20	0.01	<10	<10	65	<10	73
G0782443		<20	0.01	<10	<10	74	<10	73
G0782444		<20	0.01	<10	<10	67	<10	71
G0782445		<20	0.01	<10	<10	48	<10	75
G0782446		<20	0.01	<10	<10	38	<10	75
G0782447		<20	0.01	<10	<10	50	<10	84
G0782448		<20	0.01	<10	<10	57	<10	95
G0782449		<20	0.01	<10	<10	43	<10	84
G0782450		<20	0.09	<10	<10	59	<10	270
G0782451		<20	0.02	<10	<10	35	<10	76
G0782452		<20	0.02	<10	<10	24	<10	59



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Project: CREE LAKE

CERTIFICATE OF ANALYSIS TB09072617

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G0782453		2.43	<0.005	<0.2	2.45	2	<10	30	<0.5	<2	4.44	<0.5	19	16	121	3.85
G0782454		2.21	0.006	<0.2	3.23	<2	<10	10	<0.5	<2	3.70	<0.5	24	172	8	4.34
G0782455		1.72	<0.005	0.2	3.57	<2	<10	10	<0.5	<2	2.75	<0.5	26	169	11	4.63
G0782456		2.47	<0.005	<0.2	3.27	2	<10	20	<0.5	<2	3.39	<0.5	24	118	34	4.29
G0782457		2.69	<0.005	<0.2	3.06	3	<10	10	<0.5	<2	3.20	<0.5	23	113	79	4.17
G0782458		2.61	<0.005	<0.2	3.25	4	<10	10	<0.5	<2	3.74	<0.5	25	110	83	4.55
G0782459		2.82	<0.005	<0.2	3.37	2	<10	10	<0.5	<2	4.29	<0.5	25	141	40	4.65
G0782460		0.09	1.040	0.6	4.28	1345	<10	110	<0.5	<2	6.46	<0.5	22	227	104	5.00
G0782461		2.34	<0.005	<0.2	3.26	7	<10	10	<0.5	<2	3.55	<0.5	25	129	41	4.55
G0782462		2.85	<0.005	<0.2	3.18	3	<10	10	<0.5	<2	4.66	<0.5	25	120	62	4.44
G0782463		2.44	0.006	<0.2	3.37	3	<10	10	<0.5	<2	3.40	<0.5	26	131	36	4.71
G0782464		2.41	0.005	<0.2	3.01	3	<10	20	<0.5	<2	3.76	<0.5	22	81	48	4.05
G0782465		2.33	0.006	<0.2	3.34	<2	<10	10	<0.5	<2	3.60	<0.5	25	121	35	4.55
G0782466		1.64	<0.005	<0.2	3.36	<2	<10	10	<0.5	<2	2.81	<0.5	25	123	26	4.45
G0782467		2.44	<0.005	0.2	3.43	<2	<10	10	<0.5	<2	3.47	<0.5	26	111	53	4.64
G0782468		2.32	<0.005	<0.2	3.65	<2	<10	10	<0.5	<2	2.78	<0.5	29	134	23	4.88
G0782469		2.17	0.006	<0.2	3.32	<2	<10	10	<0.5	<2	3.62	<0.5	26	114	16	4.47
G0782470		0.08	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.11	<0.5	<1	2	2	0.04
G0782471		1.83	0.005	<0.2	3.37	<2	<10	<10	<0.5	<2	3.93	<0.5	26	125	22	4.53
G0782472		1.79	<0.005	<0.2	3.39	2	<10	10	<0.5	<2	3.92	<0.5	26	121	36	4.59



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Project: CREE LAKE

CERTIFICATE OF ANALYSIS TB09072617

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
G0782453		<10	<1	0.14	10	1.50	719	<1	0.02	35	760	<2	0.07	<2	2	84
G0782454		10	<1	0.03	<10	2.69	801	<1	0.04	108	410	<2	<0.01	<2	10	71
G0782455		10	<1	0.02	<10	3.12	777	<1	0.04	103	430	<2	<0.01	<2	11	52
G0782456		10	<1	0.04	<10	2.77	796	<1	0.04	87	440	<2	<0.01	<2	8	65
G0782457		10	<1	0.03	<10	2.56	754	<1	0.04	81	420	<2	0.01	<2	9	58
G0782458		10	1	0.04	10	2.67	843	<1	0.03	85	450	<2	0.05	<2	7	63
G0782459		10	<1	0.03	10	2.74	903	<1	0.04	93	470	<2	<0.01	<2	9	75
G0782460		10	<1	0.71	<10	2.96	1315	<1	0.11	108	350	17	0.58	42	13	109
G0782461		10	<1	0.03	<10	2.67	817	<1	0.04	90	460	<2	<0.01	<2	9	59
G0782462		10	<1	0.05	<10	2.51	924	<1	0.03	89	430	<2	<0.01	<2	8	80
G0782463		10	1	0.05	<10	2.70	813	<1	0.03	95	440	<2	<0.01	<2	8	57
G0782464		10	<1	0.09	10	2.33	761	<1	0.02	69	510	<2	<0.01	<2	5	66
G0782465		10	<1	0.04	<10	2.74	815	<1	0.03	89	470	<2	<0.01	<2	7	59
G0782466		10	<1	0.02	<10	2.91	763	<1	0.04	87	420	<2	<0.01	<2	11	47
G0782467		10	<1	0.04	<10	2.89	836	<1	0.04	92	460	<2	<0.01	<2	9	55
G0782468		10	<1	0.02	<10	3.14	815	<1	0.04	103	450	<2	<0.01	<2	14	48
G0782469		10	<1	0.02	<10	2.80	826	<1	0.04	91	430	<2	<0.01	<2	11	60
G0782470		<10	<1	0.01	10	0.01	11	<1	<0.01	<1	30	<2	<0.01	<2	<1	2
G0782471		10	1	0.01	<10	2.83	861	<1	0.05	93	430	<2	<0.01	<2	13	67
G0782472		10	<1	0.03	<10	2.84	889	<1	0.04	95	450	<2	<0.01	<2	11	67



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CERTIFICATE OF ANALYSIS TB09072618

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
C165703		<20	0.01	<10	<10	42	<10	61
C165704		<20	0.01	<10	<10	68	<10	73
C165705		<20	0.01	<10	<10	75	<10	72
C165706		<20	0.01	<10	<10	80	<10	65
C165707		<20	0.01	<10	<10	88	<10	65
C165708		<20	0.02	<10	<10	95	<10	67
C165709		<20	0.02	<10	<10	98	<10	70
C165710		<20	<0.01	<10	<10	<1	<10	<2
C165711		<20	0.07	<10	<10	87	<10	57
C165712		<20	0.17	<10	<10	93	<10	65
C165713		<20	0.19	<10	<10	98	<10	69
C165714		<20	0.19	<10	<10	92	<10	63
C165715		<20	0.20	<10	<10	96	<10	68
C165716		<20	0.17	<10	<10	88	<10	65
C165717		<20	0.21	<10	<10	96	<10	72
C165718		<20	0.20	<10	<10	100	<10	76
C165719		<20	0.20	<10	<10	104	<10	87
C165720		<20	0.09	10	<10	59	<10	273
C165721		<20	0.21	<10	<10	90	<10	73
C165722		<20	0.21	<10	<10	88	<10	72



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This copy reported on 24-AUG-2009
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CERTIFICATE TB09072618

Project: CREE LAKE

P.O. No.:

This report is for 100 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 28-JUL-2009.

The following have access to data associated with this certificate:

WALTER HANYCH

ROBIN ROSS

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

To: MANTIS MINERAL CORP
ATTN: WALTER HANYCH
8 KING STREET EAST
SUITE 1500
TORONTO ON M5C 1B5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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8 KING STREET EAST
SUITE 1500
TORONTO ON M5C 1B5

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Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS TB09072618

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G0782473		1.97	<0.005	<0.2	3.26	<2	<10	10	<0.5	<2	3.33	<0.5	25	127	43	4.51
G0782474		2.22	<0.005	<0.2	3.28	<2	<10	10	<0.5	<2	3.86	<0.5	25	116	22	4.42
G0782475		1.95	<0.005	<0.2	3.55	<2	<10	20	<0.5	<2	3.64	<0.5	27	120	23	4.63
G0782476		1.80	<0.005	<0.2	3.75	2	<10	10	<0.5	<2	3.55	<0.5	28	120	43	4.89
G0782477		1.85	<0.005	<0.2	3.23	3	<10	20	<0.5	<2	4.65	<0.5	24	107	87	4.25
G0782478		1.81	<0.005	<0.2	3.25	<2	<10	20	<0.5	<2	4.21	<0.5	24	125	32	4.30
G0782479		2.98	<0.005	<0.2	2.39	4	<10	30	<0.5	<2	3.99	<0.5	16	38	50	3.49
G0782480		0.10	3.64	3.9	1.45	268	<10	510	<0.5	<2	1.28	1.5	8	53	74	3.22
G0782481		1.21	0.006	<0.2	2.08	18	<10	40	<0.5	<2	4.37	<0.5	15	32	85	3.24
G0782482		2.56	<0.005	<0.2	3.45	<2	<10	20	<0.5	<2	3.84	<0.5	26	122	62	4.62
G0782483		2.39	<0.005	<0.2	3.36	2	<10	10	<0.5	<2	3.31	<0.5	26	188	25	4.51
G0782484		1.86	<0.005	<0.2	3.34	4	<10	<10	<0.5	<2	3.42	<0.5	26	130	37	4.44
G0782485		2.52	<0.005	<0.2	3.00	<2	<10	<10	<0.5	<2	3.58	<0.5	23	131	70	4.05
G0782486		1.77	<0.005	<0.2	3.43	<2	<10	<10	<0.5	<2	2.84	<0.5	27	176	26	4.63
G0782487		2.63	0.013	<0.2	3.39	<2	<10	<10	<0.5	<2	2.64	<0.5	27	150	41	4.69
G0782488		2.43	0.013	<0.2	3.18	2	<10	<10	<0.5	<2	3.15	<0.5	26	149	90	4.40
G0782489		2.32	0.016	<0.2	3.25	3	<10	<10	<0.5	<2	3.09	<0.5	26	153	121	4.42
G0782490		0.08	1.165	0.3	4.22	1325	<10	110	<0.5	<2	6.35	<0.5	23	227	103	4.92
G0782491		2.56	0.008	<0.2	3.13	7	<10	<10	<0.5	<2	4.53	<0.5	23	137	56	4.16
G0782492		3.06	<0.005	<0.2	3.30	<2	<10	<10	<0.5	<2	3.28	<0.5	27	146	30	4.50
G0782493		0.96	<0.005	<0.2	1.81	2	<10	10	<0.5	<2	1.41	<0.5	12	11	30	3.26
G0782494		1.63	<0.005	<0.2	1.69	<2	<10	20	<0.5	<2	1.85	<0.5	12	11	42	3.10
G0782495		0.72	<0.005	<0.2	1.37	2	<10	20	<0.5	<2	3.11	<0.5	12	38	53	2.91
G0782496		1.36	<0.005	<0.2	1.52	2	<10	10	<0.5	<2	3.19	<0.5	14	42	46	3.11
G0782497		1.54	<0.005	<0.2	1.78	<2	<10	10	<0.5	<2	1.83	<0.5	12	12	17	3.11
G0782498		2.27	<0.005	<0.2	2.03	<2	<10	20	<0.5	<2	2.26	<0.5	13	13	23	3.38
G0782499		0.84	<0.005	<0.2	1.80	2	<10	20	<0.5	<2	3.97	<0.5	12	13	33	3.00
G0782500		0.08	<0.005	<0.2	0.02	<2	<10	<10	<0.5	<2	0.13	<0.5	<1	1	2	0.03
C165651		2.62	<0.005	<0.2	1.99	<2	<10	10	<0.5	<2	2.29	<0.5	13	12	34	3.06
C165652		2.65	<0.005	0.3	3.20	2	<10	10	<0.5	<2	2.93	<0.5	28	309	26	4.27
C165653		2.44	<0.005	0.4	3.34	2	<10	40	<0.5	<2	3.31	<0.5	25	331	94	4.10
C165654		2.54	<0.005	<0.2	3.46	<2	<10	60	<0.5	<2	4.01	<0.5	25	354	18	4.13
C165655		2.46	<0.005	<0.2	3.29	2	<10	20	<0.5	<2	4.07	<0.5	24	390	1	3.77
C165656		2.45	<0.005	<0.2	3.63	<2	<10	20	<0.5	<2	3.97	<0.5	26	453	<1	4.07
C165657		2.76	<0.005	<0.2	3.78	2	<10	20	<0.5	<2	3.54	<0.5	28	474	<1	4.20
C165658		2.71	<0.005	<0.2	3.72	<2	<10	10	<0.5	<2	3.33	<0.5	29	440	13	4.25
C165659		2.51	<0.005	<0.2	3.34	2	<10	40	<0.5	<2	4.51	<0.5	25	393	6	3.86
C165660		0.10	3.34	4.0	1.43	274	<10	350	<0.5	<2	1.28	1.6	9	53	74	3.18
C165661		2.42	<0.005	<0.2	4.05	2	<10	10	<0.5	<2	4.04	<0.5	29	404	4	4.64
C165662		2.35	<0.005	<0.2	3.73	<2	<10	30	<0.5	<2	4.34	<0.5	27	435	2	4.18



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Project: CREE LAKE

CERTIFICATE OF ANALYSIS TB09072618

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
G0782473		10	<1	0.03	<10	2.69	825	<1	0.04	89	450	<2	<0.01	<2	10
G0782474		10	<1	0.02	<10	2.70	850	<1	0.05	88	460	<2	<0.01	<2	13
G0782475		10	1	0.03	<10	3.00	882	<1	0.04	95	430	<2	<0.01	<2	11
G0782476		10	<1	0.03	<10	3.17	895	<1	0.04	99	440	<2	<0.01	<2	11
G0782477		10	<1	0.07	<10	2.59	882	<1	0.03	88	430	<2	0.01	<2	5
G0782478		10	1	0.07	10	2.57	838	<1	0.04	90	420	<2	<0.01	<2	6
G0782479		<10	<1	0.14	10	1.51	663	<1	0.02	42	580	<2	0.05	2	3
G0782480		<10	5	0.14	<10	0.78	449	11	0.06	37	750	278	0.62	26	4
G0782481		<10	1	0.15	10	1.32	649	1	0.02	43	560	2	0.38	<2	2
G0782482		10	<1	0.06	10	2.82	835	<1	0.04	94	510	2	0.07	<2	9
G0782483		10	1	0.01	<10	2.83	795	<1	0.04	113	440	<2	0.01	<2	13
G0782484		10	<1	0.01	<10	2.78	792	<1	0.06	93	440	2	0.02	<2	13
G0782485		10	<1	0.01	<10	2.48	773	<1	0.06	88	440	3	0.02	<2	12
G0782486		10	<1	<0.01	<10	2.96	802	<1	0.06	111	470	2	0.02	<2	13
G0782487		10	<1	<0.01	<10	2.91	784	<1	0.07	104	450	<2	0.01	<2	11
G0782488		10	<1	<0.01	<10	2.66	778	<1	0.06	99	450	2	0.02	<2	11
G0782489		10	1	<0.01	10	2.78	780	<1	0.06	100	490	2	0.04	<2	10
G0782490		10	1	0.70	<10	2.89	1290	<1	0.12	109	330	22	0.57	45	14
G0782491		10	<1	0.01	10	2.71	847	<1	0.06	90	520	3	0.02	<2	10
G0782492		10	<1	<0.01	<10	2.80	792	<1	0.06	100	430	<2	0.01	<2	11
G0782493		10	<1	0.05	10	1.38	367	<1	0.06	27	930	<2	0.05	<2	3
G0782494		10	<1	0.07	10	1.49	524	<1	0.06	25	990	<2	0.01	<2	3
G0782495		<10	<1	0.11	10	1.50	636	<1	0.06	49	890	<2	0.02	<2	3
G0782496		10	<1	0.06	10	1.64	653	<1	0.06	45	860	2	0.02	<2	4
G0782497		10	<1	0.04	10	1.38	442	<1	0.05	25	1010	<2	0.01	<2	4
G0782498		10	<1	0.04	20	1.40	486	<1	0.07	26	1060	<2	0.01	<2	4
G0782499		10	<1	0.05	10	1.21	711	<1	0.07	25	980	2	0.01	<2	4
G0782500		<10	<1	0.01	10	0.01	9	<1	0.01	<1	30	<2	0.01	<2	<1
C165651		10	<1	0.04	10	1.50	408	<1	0.07	25	960	2	0.01	<2	4
C165652		10	<1	0.02	10	3.32	776	<1	0.05	148	630	2	0.01	<2	10
C165653		10	<1	0.01	10	3.43	717	<1	0.05	142	490	<2	0.02	<2	14
C165654		10	<1	<0.01	10	3.52	788	<1	0.05	144	510	<2	0.01	<2	15
C165655		10	<1	<0.01	10	3.39	789	<1	0.04	151	380	3	0.01	<2	15
C165656		10	1	<0.01	<10	3.87	798	<1	0.04	171	390	<2	0.01	<2	16
C165657		10	<1	<0.01	<10	4.02	759	<1	0.04	178	400	2	0.01	<2	17
C165658		10	<1	<0.01	<10	3.94	731	<1	0.04	170	410	3	0.01	<2	17
C165659		10	<1	<0.01	<10	3.40	809	<1	0.04	153	390	2	0.01	<2	16
C165660		<10	5	0.13	<10	0.77	446	12	0.07	38	740	281	0.62	27	4
C165661		10	<1	<0.01	10	4.19	867	<1	0.04	164	500	3	0.01	<2	18
C165662		10	<1	<0.01	<10	3.93	866	<1	0.04	171	400	2	0.01	<2	17



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CERTIFICATE OF ANALYSIS TB09072618

Sample Description	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Th	Ti	Ti	U	V	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	ppm
Method Analyte Units LOR	20	0.01	10	10	1	10	2
G0782473	<20	0.13	<10	<10	75	<10	75
G0782474	<20	0.19	<10	<10	82	<10	73
G0782475	<20	0.16	<10	<10	77	<10	80
G0782476	<20	0.13	<10	<10	76	<10	87
G0782477	<20	0.14	<10	<10	51	<10	77
G0782478	<20	0.13	<10	<10	55	<10	78
G0782479	<20	0.15	<10	<10	28	<10	52
G0782480	<20	0.09	<10	<10	59	<10	265
G0782481	<20	0.04	<10	<10	19	<10	46
G0782482	<20	0.13	<10	<10	70	<10	79
G0782483	<20	0.19	<10	<10	87	<10	74
G0782484	<20	0.20	<10	<10	87	<10	72
G0782485	<20	0.19	<10	<10	82	<10	64
G0782486	<20	0.20	<10	<10	91	<10	76
G0782487	<20	0.20	<10	<10	91	<10	77
G0782488	<20	0.19	<10	<10	90	<10	71
G0782489	<20	0.17	<10	<10	90	<10	73
G0782490	<20	0.09	<10	<10	152	20	62
G0782491	<20	0.15	<10	<10	88	<10	69
G0782492	<20	0.19	<10	<10	85	<10	73
G0782493	<20	<0.01	<10	<10	39	<10	77
G0782494	<20	<0.01	<10	<10	34	<10	68
G0782495	<20	<0.01	<10	<10	26	<10	54
G0782496	<20	<0.01	<10	<10	36	<10	58
G0782497	<20	<0.01	<10	<10	43	<10	58
G0782498	<20	<0.01	<10	<10	53	<10	59
G0782499	<20	<0.01	<10	<10	44	<10	49
G0782500	<20	<0.01	<10	<10	<1	<10	<2
C165651	<20	<0.01	<10	<10	49	<10	48
C165652	<20	<0.01	<10	<10	78	<10	75
C165653	<20	0.01	<10	<10	89	<10	72
C165654	<20	0.01	<10	<10	92	<10	78
C165655	<20	0.01	<10	<10	87	<10	80
C165656	<20	0.01	<10	<10	94	<10	92
C165657	<20	0.01	<10	<10	98	<10	97
C165658	<20	0.01	<10	<10	98	<10	98
C165659	<20	0.01	<10	<10	93	<10	98
C165660	<20	0.09	<10	<10	58	<10	269
C165661	<20	0.01	<10	<10	106	<10	122
C165662	<20	0.01	<10	<10	97	<10	116



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Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
C165663		1.52	<0.005	<0.2	3.67	<2	<10	10	<0.5	<2	3.47	<0.5	25	401	1	4.00
C165664		2.72	<0.005	<0.2	3.58	4	<10	20	<0.5	<2	3.91	<0.5	24	294	6	4.31
C165665		2.71	<0.005	0.2	3.54	<2	<10	30	<0.5	<2	2.60	<0.5	24	145	40	4.37
C165666		2.70	<0.005	0.2	3.22	<2	<10	40	<0.5	<2	3.26	<0.5	21	122	86	4.01
C165667		2.61	<0.005	0.2	3.38	6	<10	30	<0.5	<2	4.06	<0.5	24	271	18	4.02
C165668		2.02	<0.005	<0.2	2.91	4	<10	20	<0.5	<2	4.16	<0.5	20	214	23	3.54
C165669		2.69	<0.005	<0.2	3.72	4	<10	10	<0.5	<2	3.60	<0.5	27	365	<1	4.31
C165670		0.08	1.175	0.3	4.48	1400	<10	110	<0.5	<2	6.47	<0.5	24	243	108	5.14
C165671		2.76	<0.005	<0.2	3.77	18	<10	10	<0.5	<2	4.01	<0.5	28	395	1	4.34
C165672		2.80	<0.005	<0.2	3.62	4	<10	20	<0.5	<2	3.73	<0.5	28	198	82	4.63
C165673		2.73	<0.005	<0.2	3.42	4	<10	30	<0.5	<2	3.87	<0.5	27	146	56	4.63
C165674		2.65	<0.005	0.3	3.21	2	<10	30	<0.5	<2	4.47	<0.5	27	174	40	4.49
C165675		2.52	<0.005	<0.2	3.22	3	<10	30	<0.5	<2	3.78	<0.5	25	149	90	4.39
C165676		2.75	<0.005	<0.2	3.62	3	<10	20	<0.5	<2	4.25	<0.5	28	294	25	4.92
C165677		2.57	<0.005	<0.2	3.31	3	<10	30	<0.5	<2	4.29	<0.5	25	122	60	4.45
C165678		2.81	0.007	<0.2	3.23	3	<10	30	<0.5	<2	3.46	<0.5	26	131	52	4.42
C165679		2.57	<0.005	<0.2	3.26	5	<10	30	<0.5	<2	4.65	<0.5	25	134	67	4.45
C165680		0.08	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.13	<0.5	<1	4	4	0.05
C165681		2.53	<0.005	<0.2	3.15	2	<10	20	<0.5	<2	4.96	<0.5	25	137	77	4.40
C165682		2.72	<0.005	<0.2	3.49	2	<10	20	<0.5	<2	3.75	<0.5	27	181	8	4.79
C165683		1.78	<0.005	<0.2	3.45	4	<10	30	<0.5	<2	4.43	<0.5	27	203	6	4.63
C165684		2.48	<0.005	<0.2	3.50	3	<10	20	<0.5	<2	4.12	<0.5	28	172	55	4.82
C165685		2.74	<0.005	<0.2	3.08	3	<10	30	<0.5	<2	4.53	<0.5	24	116	106	4.14
C165686		1.59	<0.005	<0.2	3.31	3	<10	30	<0.5	<2	5.01	<0.5	25	166	35	4.62
C165687		0.94	0.005	<0.2	2.63	4	<10	20	<0.5	<2	8.33	<0.5	29	121	87	3.89
C165688		1.35	0.005	<0.2	3.51	4	<10	20	<0.5	<2	3.92	<0.5	27	130	92	4.83
C165689		2.00	<0.005	<0.2	3.22	2	<10	20	<0.5	<2	4.10	<0.5	24	100	58	4.47
C165690		0.09	3.31	4.0	1.46	275	<10	490	<0.5	<2	1.29	1.4	9	54	74	3.22
C165691		2.85	0.007	0.2	3.08	5	<10	20	<0.5	<2	5.44	<0.5	24	92	45	4.30
C165692		2.71	0.028	0.3	3.00	3	<10	20	<0.5	<2	5.08	<0.5	25	96	38	4.30
C165693		1.32	0.026	0.2	3.00	5	<10	40	<0.5	<2	4.33	<0.5	26	116	331	4.42
C165694		2.61	0.005	<0.2	2.32	<2	<10	50	<0.5	<2	3.74	<0.5	18	55	41	3.36
C165695		2.85	0.006	<0.2	2.32	4	<10	70	<0.5	<2	5.81	<0.5	19	40	113	3.28
C165696		0.98	0.005	<0.2	1.85	3	<10	50	<0.5	<2	3.71	<0.5	15	20	21	2.73
C165697		1.77	0.009	0.2	3.19	4	<10	40	<0.5	2	3.50	<0.5	27	121	168	4.67
C165698		1.21	0.313	2.7	2.59	4	<10	160	<0.5	<2	5.65	<0.5	22	99	72	4.00
C165699		0.96	0.092	1.1	2.49	4	<10	160	<0.5	<2	6.88	<0.5	24	81	56	3.86
C165700		0.09	1.080	0.4	4.48	1400	<10	110	<0.5	<2	6.42	<0.5	23	241	109	5.10
C165701		1.84	<0.005	<0.2	3.36	6	<10	90	<0.5	<2	4.05	<0.5	27	118	31	4.53
C165702		1.46	<0.005	<0.2	3.27	3	<10	80	<0.5	<2	4.20	<0.5	23	102	18	4.46



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CERTIFICATE OF ANALYSIS TB09072618

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
C165663		10	<1	<0.01	<10	3.93	768	<1	0.04	157	410	2	0.01	<2	15	101
C165664		10	1	0.01	10	3.56	831	<1	0.05	114	880	3	0.01	<2	13	124
C165665		10	<1	0.03	10	3.38	674	<1	0.05	79	580	<2	0.01	<2	8	79
C165666		10	<1	0.09	10	2.66	667	1	0.04	78	380	3	<0.01	<2	4	97
C165667		10	<1	0.06	10	3.18	769	<1	0.04	127	410	2	0.01	<2	6	109
C165668		10	1	0.06	10	2.70	714	<1	0.04	100	630	<2	0.01	<2	6	111
C165669		10	<1	0.03	<10	3.68	741	<1	0.04	154	390	<2	<0.01	<2	11	98
C165670		10	1	0.75	<10	3.03	1350	<1	0.13	111	360	17	0.60	47	14	113
C165671		10	<1	0.03	<10	3.70	768	<1	0.03	161	390	<2	<0.01	<2	11	112
C165672		10	<1	0.04	10	3.26	726	<1	0.04	118	940	<2	0.01	<2	9	104
C165673		10	1	0.08	10	2.86	742	<1	0.04	102	1070	<2	0.02	<2	6	111
C165674		10	<1	0.07	10	2.70	806	2	0.04	105	740	2	0.13	<2	6	123
C165675		<10	<1	0.10	10	2.65	750	<1	0.04	92	700	2	0.02	<2	5	113
C165676		10	<1	0.07	10	3.04	856	<1	0.04	138	550	<2	0.01	<2	6	120
C165677		10	<1	0.09	10	2.73	812	<1	0.04	89	680	<2	0.01	<2	5	128
C165678		10	<1	0.10	10	2.69	698	<1	0.03	94	690	2	0.04	<2	4	105
C165679		10	1	0.09	10	2.67	870	<1	0.04	89	620	2	0.04	<2	5	142
C165680		<10	<1	0.01	10	0.02	13	<1	<0.01	1	40	<2	0.01	<2	<1	1
C165681		10	<1	0.07	10	2.56	903	1	0.04	90	700	2	0.08	<2	6	151
C165682		10	1	0.06	10	3.01	770	<1	0.04	109	610	<2	0.04	<2	7	115
C165683		10	<1	0.06	10	2.91	856	<1	0.04	111	540	<2	<0.01	<2	7	129
C165684		10	1	0.06	10	2.96	819	<1	0.04	105	630	<2	0.01	<2	8	118
C165685		10	<1	0.10	10	2.52	849	<1	0.03	84	530	<2	0.03	<2	4	128
C165686		10	<1	0.09	10	2.67	868	<1	0.03	111	490	<2	0.03	<2	5	136
C165687		<10	1	0.10	<10	2.00	1175	<1	0.03	82	480	2	0.37	<2	4	227
C165688		10	<1	0.10	10	2.85	763	<1	0.03	97	600	<2	0.04	<2	4	116
C165689		10	1	0.11	10	2.60	774	<1	0.03	84	660	3	0.01	<2	4	120
C165690		<10	5	0.14	<10	0.78	450	12	0.07	38	750	273	0.63	27	4	35
C165691		<10	1	0.12	10	2.37	859	<1	0.03	81	560	<2	0.02	<2	4	161
C165692		10	<1	0.10	10	2.38	807	1	0.04	80	520	3	0.26	<2	4	167
C165693		10	<1	0.10	<10	2.38	705	2	0.03	88	520	<2	0.36	<2	4	141
C165694		<10	<1	0.16	10	1.53	594	<1	0.04	58	690	<2	0.06	<2	3	124
C165695		<10	<1	0.17	<10	1.67	869	1	0.02	50	590	2	0.13	<2	3	219
C165696		<10	<1	0.14	<10	1.30	553	1	0.03	38	870	<2	0.13	<2	2	136
C165697		10	1	0.12	<10	2.53	650	2	0.03	101	620	<2	0.35	<2	5	134
C165698		<10	<1	0.10	<10	2.10	858	1	0.04	89	590	3	0.73	<2	5	258
C165699		<10	1	0.09	<10	2.05	1005	5	0.04	76	610	4	0.80	<2	5	303
C165700		10	1	0.75	<10	3.02	1350	<1	0.13	111	350	14	0.60	45	14	113
C165701		10	1	0.12	10	2.79	728	<1	0.03	96	570	<2	0.08	<2	5	163
C165702		10	<1	0.12	10	2.65	737	<1	0.03	87	670	<2	0.09	<2	5	168



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CERTIFICATE OF ANALYSIS TB09072618

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
C165663		<20	0.01	<10	<10	92	<10	118
C165664		<20	0.01	<10	<10	100	<10	124
C165665		<20	0.01	<10	<10	73	<10	139
C165666		<20	0.01	<10	<10	41	<10	128
C165667		<20	0.01	<10	<10	53	<10	148
C165668		<20	0.01	<10	<10	52	<10	100
C165669		<20	0.01	<10	<10	80	<10	112
C165670		<20	0.10	<10	<10	162	20	66
C165671		<20	0.01	<10	<10	81	<10	98
C165672		<20	0.01	<10	<10	78	<10	85
C165673		<20	0.01	<10	<10	61	<10	77
C165674		<20	0.01	<10	<10	58	<10	73
C165675		<20	0.01	<10	<10	50	<10	72
C165676		<20	0.01	<10	<10	55	<10	82
C165677		<20	0.01	<10	<10	50	<10	75
C165678		<20	0.01	<10	<10	45	<10	74
C165679		<20	0.01	<10	<10	54	<10	73
C165680		<20	<0.01	<10	<10	1	<10	<2
C165681		<20	0.01	<10	<10	60	<10	72
C165682		<20	0.01	<10	<10	66	<10	84
C165683		<20	0.01	<10	<10	62	<10	82
C165684		<20	0.01	<10	<10	70	<10	85
C165685		<20	0.01	<10	<10	44	<10	77
C165686		<20	<0.01	<10	<10	44	<10	85
C165687		<20	<0.01	<10	<10	33	<10	67
C165688		<20	0.01	<10	<10	47	<10	94
C165689		<20	0.01	<10	<10	42	<10	89
C165690		<20	0.09	<10	<10	60	<10	266
C165691		<20	0.01	<10	<10	36	<10	80
C165692		<20	0.01	<10	<10	43	<10	79
C165693		<20	0.01	<10	<10	46	<10	77
C165694		<20	<0.01	<10	<10	26	<10	53
C165695		<20	<0.01	<10	<10	23	<10	56
C165696		<20	<0.01	<10	<10	18	<10	42
C165697		<20	<0.01	<10	<10	43	<10	73
C165698		<20	0.01	<10	<10	44	<10	64
C165699		<20	0.01	<10	<10	33	<10	57
C165700		<20	0.10	<10	<10	161	20	67
C165701		<20	0.01	<10	<10	44	<10	76
C165702		<20	0.01	<10	<10	51	<10	71



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CERTIFICATE OF ANALYSIS TB09072618

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
C165703		1.92	0.105	0.6	2.67	2	<10	180	<0.5	<2	8.02	<0.5	33	71	63	4.43
C165704		2.66	<0.005	<0.2	3.58	<2	<10	70	<0.5	<2	4.83	<0.5	24	235	43	4.36
C165705		1.86	0.008	<0.2	3.63	<2	<10	110	<0.5	<2	5.58	<0.5	25	360	42	4.24
C165706		1.77	0.005	<0.2	3.39	2	<10	20	<0.5	<2	5.08	<0.5	23	332	18	3.95
C165707		1.63	<0.005	<0.2	3.57	<2	<10	50	<0.5	<2	4.15	<0.5	24	346	26	4.03
C165708		1.92	<0.005	<0.2	3.71	<2	<10	100	<0.5	<2	3.58	<0.5	25	424	12	4.24
C165709		1.88	<0.005	<0.2	3.78	2	<10	100	<0.5	<2	4.43	<0.5	28	456	8	4.37
C165710		0.08	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.13	<0.5	<1	2	3	0.03
C165711		1.76	0.006	0.3	3.26	2	<10	160	<0.5	<2	4.01	<0.5	23	372	90	3.75
C165712		1.73	<0.005	0.9	3.51	<2	<10	50	<0.5	<2	4.37	<0.5	25	408	72	4.22
C165713		1.90	<0.005	<0.2	3.62	2	<10	50	<0.5	<2	3.56	<0.5	28	437	5	4.21
C165714		1.77	<0.005	<0.2	3.39	<2	<10	30	<0.5	<2	3.68	<0.5	26	403	4	4.13
C165715		1.80	<0.005	<0.2	3.59	<2	<10	10	<0.5	<2	3.34	<0.5	27	432	5	4.26
C165716		1.72	0.005	<0.2	3.39	3	<10	10	<0.5	<2	3.96	<0.5	26	419	3	4.09
C165717		1.70	<0.005	<0.2	3.71	<2	<10	10	<0.5	<2	3.34	<0.5	28	421	3	4.33
C165718		1.87	<0.005	<0.2	3.78	2	<10	10	<0.5	<2	3.53	<0.5	28	311	78	4.62
C165719		1.66	<0.005	<0.2	4.19	<2	<10	10	<0.5	<2	2.82	<0.5	29	286	61	4.89
C165720		0.10	3.42	3.9	1.50	273	<10	530	<0.5	<2	1.28	1.4	8	53	75	3.33
C165721		1.71	0.006	<0.2	3.44	2	<10	10	<0.5	<2	3.23	<0.5	27	241	67	4.36
C165722		1.80	0.006	0.2	3.35	<2	<10	10	<0.5	<2	3.00	<0.5	27	192	84	4.47



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CERTIFICATE OF ANALYSIS TB09072618

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
C165703		<10	1	0.09	<10	2.34	1135	7	0.05	75	980	5	1.32	<2	7	310
C165704		10	1	0.06	10	3.21	779	<1	0.04	131	790	2	0.04	<2	9	190
C165705		10	1	0.04	10	3.42	846	3	0.05	156	470	5	0.21	<2	11	167
C165706		10	1	0.02	10	3.14	812	<1	0.05	138	510	<2	0.03	<2	11	172
C165707		10	<1	0.01	10	3.38	772	<1	0.07	142	490	<2	<0.01	<2	14	161
C165708		10	<1	<0.01	10	3.74	726	<1	0.05	165	480	<2	<0.01	<2	16	125
C165709		10	1	<0.01	10	3.99	786	<1	0.05	181	440	<2	<0.01	<2	16	140
C165710		<10	<1	0.01	10	0.01	12	<1	<0.01	1	30	<2	<0.01	<2	<1	1
C165711		10	1	0.01	10	3.32	721	<1	0.06	148	410	<2	0.01	<2	14	138
C165712		10	1	<0.01	10	3.76	817	<1	0.06	157	460	<2	<0.01	<2	16	138
C165713		10	1	<0.01	10	3.93	771	<1	0.07	176	440	<2	<0.01	<2	17	173
C165714		10	<1	<0.01	10	3.80	741	<1	0.07	160	460	<2	<0.01	<2	15	136
C165715		10	<1	<0.01	10	3.92	734	<1	0.07	174	450	<2	<0.01	<2	15	118
C165716		10	1	<0.01	10	3.79	755	<1	0.06	166	430	2	<0.01	<2	15	126
C165717		10	1	<0.01	10	4.05	759	<1	0.06	172	470	2	<0.01	<2	16	98
C165718		10	<1	<0.01	10	3.83	807	<1	0.05	149	840	<2	<0.01	<2	13	91
C165719		10	1	<0.01	10	4.39	846	<1	0.04	148	840	<2	<0.01	<2	14	70
C165720		<10	5	0.14	10	0.80	445	13	0.06	38	790	289	0.66	31	4	34
C165721		10	<1	0.01	10	3.28	786	<1	0.06	133	840	<2	<0.01	<2	12	77
C165722		10	<1	<0.01	10	3.07	781	<1	0.07	120	970	<2	<0.01	<2	12	83



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CERTIFICATE OF ANALYSIS TB09072619

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
C165803		<20	0.24	<10	<10	225	<10	43
C165804		<20	0.19	<10	<10	192	<10	38
C165805		<20	0.21	<10	<10	185	<10	47
C165806		<20	0.19	<10	<10	168	<10	40
C165807		<20	0.22	<10	<10	149	<10	39
C165808		<20	0.20	<10	<10	143	<10	36
C165809		<20	0.21	<10	<10	145	<10	34
C165810		<20	0.09	<10	<10	59	<10	264
C165811		<20	0.20	<10	<10	204	<10	46
C165812		<20	0.17	<10	<10	213	<10	44
C165813		<20	0.18	<10	<10	196	<10	38
C165814		<20	0.10	<10	<10	42	<10	34
C165815		<20	0.10	<10	<10	47	<10	17
C165816		<20	0.20	<10	<10	148	<10	33
C165817		<20	0.18	<10	<10	96	<10	28
C165818		<20	0.22	<10	<10	90	<10	32
C165819		<20	0.20	<10	<10	135	<10	50
C165820		<20	0.09	<10	<10	153	20	62
C165821		<20	0.25	<10	<10	146	<10	43
C165822		<20	0.21	<10	<10	104	60	31



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Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: MANTIS MINERAL CORP
8 KING STREET EAST
SUITE 1500
TORONTO ON M5C 1B5

Page: 1
Finalized Date: 17-AUG-2009
This copy reported on 24-AUG-2009
Account: MANTMN

CERTIFICATE TB09072619

Project: CREE LAKE

P.O. No.:

This report is for 100 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 28-JUL-2009.

The following have access to data associated with this certificate:

WALTER HANYCH

ROBIN ROSS

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

To: MANTIS MINERAL CORP
ATTN: WALTER HANYCH
8 KING STREET EAST
SUITE 1500
TORONTO ON M5C 1B5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS TB09072619

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-AA23 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
C165723		1.62	0.005	0.2	3.72	3	<10	10	<0.5	<2	3.45	<0.5	28	190	83	4.80
C165724		1.78	<0.005	<0.2	3.60	<2	<10	10	<0.5	<2	2.92	<0.5	29	177	53	4.80
C165725		1.89	<0.005	<0.2	3.49	<2	<10	10	<0.5	<2	3.51	<0.5	28	148	71	4.83
C165726		1.76	<0.005	<0.2	3.70	4	<10	<10	<0.5	<2	3.41	<0.5	29	158	58	4.87
C165727		1.77	<0.005	<0.2	3.71	<2	<10	10	<0.5	<2	3.17	<0.5	30	223	87	4.95
C165728		0.89	0.005	<0.2	3.44	<2	<10	10	<0.5	<2	3.95	<0.5	25	197	134	4.70
C165729		0.69	0.014	<0.2	2.79	4	<10	30	<0.5	<2	5.32	<0.5	22	104	108	4.17
C165730		0.08	1.110	0.2	4.59	1420	<10	110	<0.5	<2	6.72	<0.5	23	228	113	5.06
C165731		0.99	0.006	<0.2	3.56	5	<10	10	<0.5	<2	3.17	<0.5	27	155	65	4.89
C165732		1.58	<0.005	<0.2	3.53	3	<10	10	<0.5	<2	3.92	<0.5	26	184	83	4.70
C165733		1.78	0.009	<0.2	3.45	<2	<10	10	<0.5	<2	4.03	<0.5	24	171	83	4.37
C165734		1.99	<0.005	<0.2	3.41	<2	<10	10	<0.5	<2	3.55	<0.5	26	272	59	4.11
C165735		1.83	<0.005	<0.2	3.60	<2	<10	10	<0.5	<2	3.12	<0.5	25	420	<1	4.10
C165736		1.41	<0.005	<0.2	3.32	2	<10	20	<0.5	<2	4.51	<0.5	25	177	69	4.44
C165737		2.07	<0.005	<0.2	3.51	<2	<10	10	<0.5	<2	3.33	<0.5	26	158	48	4.61
C165738		1.14	0.025	0.5	2.99	<2	<10	20	<0.5	<2	4.99	<0.5	24	160	102	4.22
C165739		1.35	<0.005	<0.2	3.78	2	<10	10	<0.5	<2	3.69	<0.5	28	185	32	5.08
C165740		0.08	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.12	<0.5	<1	2	2	0.03
C165741		2.63	0.005	<0.2	3.40	<2	<10	10	<0.5	<2	3.99	<0.5	26	174	40	4.51
C165742		2.63	<0.005	<0.2	3.48	2	<10	10	<0.5	<2	3.48	<0.5	26	123	39	4.71
C165743		2.52	0.005	<0.2	3.42	4	<10	10	<0.5	<2	3.06	<0.5	25	130	55	4.68
C165744		2.69	<0.005	<0.2	3.36	<2	<10	10	<0.5	<2	2.41	<0.5	27	168	52	4.64
C165745		2.74	0.005	<0.2	3.33	2	<10	<10	<0.5	<2	2.40	<0.5	27	133	49	4.41
C165746		1.90	<0.005	<0.2	3.24	<2	<10	<10	<0.5	<2	2.07	<0.5	27	125	41	4.62
C165747		1.84	0.005	<0.2	3.26	<2	<10	<10	<0.5	<2	2.91	<0.5	26	132	41	4.73
C165748		1.79	<0.005	<0.2	3.35	<2	<10	<10	<0.5	<2	2.24	<0.5	28	134	20	4.43
C165749		1.69	0.005	<0.2	3.28	<2	<10	10	<0.5	<2	2.36	<0.5	25	135	57	4.43
C165750		0.10	3.41	3.9	1.58	287	<10	610	<0.5	<2	1.35	1.4	9	56	78	3.44
C165751		1.85	0.006	<0.2	3.40	2	<10	10	<0.5	<2	2.82	<0.5	26	138	41	4.70
C165752		1.75	0.007	<0.2	3.59	<2	<10	20	<0.5	<2	3.31	<0.5	26	154	45	4.70
C165753		1.85	0.010	<0.2	3.57	<2	<10	30	<0.5	<2	4.25	<0.5	26	109	38	4.71
C165754		1.65	0.005	<0.2	3.17	<2	<10	40	<0.5	<2	4.98	<0.5	24	85	44	4.36
C165755		1.91	0.006	<0.2	3.19	3	<10	50	<0.5	<2	3.52	<0.5	24	123	33	4.33
C165756		1.67	0.008	<0.2	3.19	<2	<10	30	<0.5	<2	4.92	<0.5	24	130	53	4.54
C165757		2.01	0.005	<0.2	3.35	<2	<10	30	<0.5	<2	3.88	<0.5	23	141	37	4.41
C165758		1.90	0.006	<0.2	3.64	<2	<10	20	<0.5	<2	3.21	<0.5	26	169	47	4.78
C165759		1.76	0.017	<0.2	3.21	2	<10	20	<0.5	<2	4.69	<0.5	23	137	44	4.14
C165760		0.08	1.215	0.3	4.84	1500	<10	110	<0.5	<2	6.95	<0.5	23	246	117	5.24
C165761		1.76	0.005	<0.2	3.29	2	<10	20	<0.5	<2	2.90	<0.5	24	114	36	4.63
C165762		1.85	<0.005	<0.2	3.34	3	<10	20	<0.5	<2	3.12	<0.5	26	124	91	4.58



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CERTIFICATE OF ANALYSIS TB09072619

Sample Description	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
C165723	10	1	0.01	10	3.27	836	<1	0.07	119	1050	2	0.01	<2	13	93
C165724	10	<1	<0.01	10	3.14	817	<1	0.07	112	940	2	<0.01	<2	12	81
C165725	10	<1	<0.01	10	3.02	846	<1	0.07	105	1030	<2	<0.01	<2	11	101
C165726	10	<1	<0.01	10	3.10	845	<1	0.06	108	1010	<2	<0.01	<2	11	94
C165727	10	1	0.01	10	3.34	865	<1	0.06	127	840	<2	0.01	<2	13	70
C165728	10	<1	0.02	10	2.97	861	<1	0.06	108	830	3	0.08	<2	12	75
C165729	10	<1	0.07	10	2.25	868	1	0.06	80	940	17	0.42	<2	8	100
C165730	10	1	0.79	<10	3.03	1335	<1	0.12	112	380	17	0.62	47	13	113
C165731	10	1	0.01	10	2.96	837	<1	0.07	100	940	2	0.01	2	13	67
C165732	10	<1	0.01	10	3.05	852	<1	0.07	109	910	<2	0.01	<2	13	82
C165733	10	1	0.01	10	2.99	864	<1	0.07	103	850	3	<0.01	<2	12	95
C165734	10	<1	0.01	10	3.18	789	<1	0.06	129	620	<2	<0.01	<2	12	78
C165735	10	1	0.01	10	3.55	785	<1	0.06	163	420	<2	<0.01	<2	13	61
C165736	10	1	0.05	10	2.80	854	<1	0.06	105	620	3	0.03	<2	9	91
C165737	10	1	0.04	10	2.99	809	<1	0.07	102	760	<2	0.02	<2	11	64
C165738	10	1	0.06	<10	2.51	851	6	0.07	103	640	4	0.46	<2	7	93
C165739	10	<1	0.04	10	3.38	920	<1	0.06	113	650	<2	0.02	2	12	58
C165740	<10	<1	0.01	10	0.01	14	<1	<0.01	1	30	<2	0.01	<2	<1	1
C165741	10	1	0.04	10	2.89	841	<1	0.07	106	600	<2	0.06	<2	9	77
C165742	10	1	0.03	10	2.87	817	<1	0.08	89	610	<2	0.04	<2	11	56
C165743	10	<1	0.01	10	2.78	805	<1	0.07	90	630	2	0.06	<2	12	74
C165744	10	<1	0.01	10	2.86	791	<1	0.08	99	570	<2	0.02	<2	11	71
C165745	10	1	<0.01	10	2.88	787	<1	0.08	96	560	<2	0.03	<2	10	92
C165746	10	1	<0.01	<10	2.85	779	<1	0.08	95	530	<2	0.03	<2	10	78
C165747	10	<1	<0.01	10	2.88	836	<1	0.08	96	550	2	0.02	2	9	95
C165748	10	<1	<0.01	10	2.86	758	<1	0.08	98	490	<2	0.03	<2	9	98
C165749	10	<1	<0.01	10	2.84	751	<1	0.08	94	520	2	0.05	<2	11	86
C165750	<10	5	0.15	10	0.83	460	13	0.07	40	810	299	0.70	32	4	36
C165751	10	<1	0.01	10	2.93	787	<1	0.08	96	540	<2	0.02	<2	13	71
C165752	10	<1	0.02	10	3.01	847	1	0.08	96	560	<2	0.05	<2	14	74
C165753	10	1	0.05	10	2.94	907	<1	0.07	90	590	<2	0.13	<2	10	96
C165754	10	1	0.13	10	2.51	812	<1	0.05	81	650	<2	0.16	<2	4	110
C165755	10	<1	0.11	10	2.65	706	1	0.06	89	680	<2	0.09	<2	5	96
C165756	10	<1	0.12	10	2.63	806	3	0.06	102	580	<2	0.25	<2	5	117
C165757	10	<1	0.09	10	2.79	797	<1	0.06	100	490	2	0.05	<2	6	81
C165758	10	<1	0.07	10	3.13	819	<1	0.07	107	530	2	0.03	<2	9	67
C165759	10	1	0.08	10	2.63	824	<1	0.07	94	530	<2	0.02	<2	6	89
C165760	10	1	0.80	<10	3.14	1385	<1	0.13	120	400	18	0.67	53	14	119
C165761	10	<1	0.09	10	2.75	779	<1	0.06	90	530	<2	0.02	<2	7	55
C165762	10	1	0.08	10	2.76	798	<1	0.07	94	510	<2	0.06	<2	8	58



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CERTIFICATE OF ANALYSIS TB09072619

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
C165723		<20	0.24	<10	<10	99	<10	79
C165724		<20	0.23	<10	<10	97	<10	82
C165725		<20	0.23	<10	<10	94	<10	80
C165726		<20	0.23	<10	<10	100	<10	84
C165727		<20	0.23	<10	<10	106	<10	87
C165728		<20	0.19	<10	<10	94	<10	78
C165729		<20	0.13	<10	<10	70	<10	59
C165730		<20	0.10	<10	<10	157	20	67
C165731		<20	0.21	<10	<10	103	<10	79
C165732		<20	0.22	<10	<10	102	<10	79
C165733		<20	0.21	<10	<10	94	<10	74
C165734		<20	0.20	<10	<10	88	<10	77
C165735		<20	0.19	<10	<10	87	<10	83
C165736		<20	0.20	<10	<10	75	<10	77
C165737		<20	0.19	<10	<10	85	<10	82
C165738		<20	0.02	<10	<10	67	<10	67
C165739		<20	0.09	<10	<10	99	<10	88
C165740		<20	<0.01	<10	<10	<1	<10	<2
C165741		<20	0.17	<10	<10	75	10	78
C165742		<20	0.18	<10	<10	88	<10	78
C165743		<20	0.20	<10	<10	93	<10	77
C165744		<20	0.19	<10	<10	82	<10	80
C165745		<20	0.19	<10	<10	75	<10	81
C165746		<20	0.19	<10	<10	73	<10	81
C165747		<20	0.20	<10	<10	77	<10	79
C165748		<20	0.19	<10	<10	75	<10	79
C165749		<20	0.20	<10	<10	82	<10	78
C165750		<20	0.10	10	<10	62	10	283
C165751		<20	0.21	<10	<10	86	<10	79
C165752		<20	0.18	<10	<10	96	<10	80
C165753		<20	0.13	<10	<10	82	<10	82
C165754		<20	0.13	<10	<10	46	<10	73
C165755		<20	0.14	<10	<10	62	<10	76
C165756		<20	0.12	<10	<10	53	<10	78
C165757		<20	0.15	<10	<10	53	<10	78
C165758		<20	0.21	<10	<10	69	<10	85
C165759		<20	0.16	<10	<10	58	<10	78
C165760		<20	0.10	<10	<10	168	20	71
C165761		<20	0.16	<10	<10	58	<10	84
C165762		<20	0.13	<10	<10	67	<10	87



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CERTIFICATE OF ANALYSIS TB09072619

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
C165763		1.67	<0.005	<0.2	3.37	<2	<10	20	<0.5	<2	2.39	<0.5	24	120	19	4.63
C165764		1.82	0.006	<0.2	3.33	<2	<10	30	<0.5	<2	2.90	<0.5	24	101	82	4.51
C165765		2.60	<0.005	<0.2	3.26	2	<10	20	<0.5	<2	3.19	<0.5	23	121	51	4.36
C165766		2.60	<0.005	<0.2	3.26	<2	<10	60	<0.5	<2	3.79	<0.5	24	119	58	4.41
C165767		1.94	<0.005	<0.2	3.39	<2	<10	100	<0.5	<2	3.30	<0.5	24	117	73	4.73
C165768		1.76	<0.005	<0.2	4.00	<2	<10	30	<0.5	<2	4.66	<0.5	26	366	36	4.41
C165769		1.11	0.009	<0.2	3.06	<2	<10	280	<0.5	<2	7.19	<0.5	21	173	28	4.02
C165770		0.08	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.13	<0.5	<1	2	3	0.03
C165771		1.35	0.009	<0.2	2.90	<2	<10	530	<0.5	<2	5.43	<0.5	22	83	14	3.93
C165772		1.26	<0.005	<0.2	3.47	<2	<10	30	<0.5	<2	3.10	<0.5	23	154	13	4.70
C165773		2.54	<0.005	<0.2	3.23	<2	<10	20	<0.5	<2	3.38	<0.5	24	145	4	4.35
C165774		2.65	<0.005	<0.2	3.45	<2	<10	30	<0.5	<2	4.00	<0.5	27	173	6	4.93
C165775		2.64	<0.005	0.2	2.97	3	<10	40	<0.5	<2	3.68	<0.5	25	138	24	4.37
C165776		2.56	<0.005	<0.2	3.13	<2	<10	30	<0.5	<2	3.03	<0.5	25	154	59	4.51
C165777		1.55	<0.005	<0.2	3.04	<2	<10	20	<0.5	<2	3.01	<0.5	24	112	36	4.48
C165778		1.67	<0.005	<0.2	2.83	4	<10	10	<0.5	<2	3.70	<0.5	23	123	67	4.08
C165779		1.89	<0.005	<0.2	3.87	5	<10	40	0.5	<2	5.59	<0.5	26	552	44	4.00
C165780		0.09	3.47	4.1	1.50	283	<10	530	<0.5	<2	1.32	1.5	9	56	76	3.33
C165781		2.06	0.006	<0.2	3.13	3	<10	20	0.5	<2	5.22	<0.5	21	319	71	4.11
C165782		1.43	0.006	<0.2	2.94	<2	<10	50	<0.5	<2	2.84	<0.5	25	128	51	4.22
C165783		1.44	<0.005	0.2	2.84	2	<10	10	<0.5	<2	3.29	<0.5	31	110	87	4.08
C165784		2.60	<0.005	<0.2	2.79	3	<10	10	<0.5	<2	2.41	<0.5	22	100	59	4.29
C165785		2.58	<0.005	<0.2	2.90	2	<10	10	<0.5	<2	2.38	<0.5	21	100	88	4.60
C165786		1.28	<0.005	<0.2	2.83	3	<10	10	<0.5	<2	3.18	<0.5	21	101	16	4.25
C165787		2.33	0.042	0.3	4.44	11	<10	300	<0.5	<2	5.33	<0.5	39	255	254	6.57
C165788		2.92	0.052	0.3	5.35	18	<10	<10	<0.5	<2	5.20	<0.5	44	234	308	8.11
C165789		2.19	0.030	0.2	4.17	30	<10	<10	<0.5	<2	9.05	<0.5	38	208	130	6.87
C165790		0.08	1.180	0.4	4.54	1400	<10	110	<0.5	<2	6.45	<0.5	23	240	110	5.17
C165791		2.23	0.123	0.2	3.88	35	<10	<10	<0.5	<2	7.47	<0.5	38	195	268	7.27
C165792		1.02	0.361	0.5	2.66	40	<10	10	<0.5	<2	8.85	<0.5	43	127	270	5.72
C165793		2.80	0.062	0.2	4.23	29	<10	<10	<0.5	<2	6.60	<0.5	40	220	354	7.60
C165794		1.40	0.085	0.2	4.33	30	<10	<10	<0.5	<2	6.74	<0.5	38	202	236	7.08
C165795		1.32	0.045	<0.2	3.98	29	<10	<10	<0.5	<2	7.02	<0.5	37	206	142	6.81
C165796		1.73	0.039	0.2	5.35	38	<10	<10	<0.5	<2	3.56	<0.5	48	249	326	8.56
C165797		1.43	0.068	0.2	4.27	29	<10	<10	<0.5	<2	8.50	<0.5	33	175	176	6.41
C165798		2.64	0.039	0.2	5.09	33	<10	<10	<0.5	<2	5.28	<0.5	41	222	254	7.81
C165799		2.70	0.071	0.2	4.58	35	<10	<10	<0.5	<2	5.88	<0.5	43	206	296	7.39
C165800		0.08	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.12	<0.5	<1	2	3	0.04
C165801		2.53	0.071	0.3	4.39	30	<10	<10	<0.5	<2	4.83	<0.5	40	206	383	7.25
C165802		1.55	0.056	0.2	4.35	32	<10	<10	<0.5	<2	5.31	<0.5	39	199	439	7.16



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8 KING STREET EAST
SUITE 1500
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CERTIFICATE OF ANALYSIS TB09072619

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
C165763		10	1	0.07	10	2.81	773	<1	0.07	87	520	<2	0.04	<2	8	35
C165764		10	1	0.10	10	2.66	764	<1	0.07	83	570	<2	0.04	<2	7	58
C165765		10	1	0.09	10	2.60	780	<1	0.07	89	470	<2	0.04	<2	7	67
C165766		10	1	0.07	10	2.64	803	<1	0.07	91	470	<2	0.04	<2	8	75
C165767		10	<1	0.09	10	2.81	785	<1	0.07	95	530	<2	0.07	<2	7	63
C165768		10	1	0.07	10	4.01	871	<1	0.04	149	1030	2	0.08	<2	9	109
C165769		10	<1	0.04	10	2.88	981	9	0.05	73	800	33	0.61	<2	8	161
C165770		<10	<1	0.01	10	0.01	12	<1	<0.01	<1	40	<2	0.01	<2	<1	1
C165771		10	1	0.14	10	2.38	813	3	0.04	80	460	6	0.40	<2	4	134
C165772		10	<1	0.12	10	2.91	782	<1	0.05	105	540	<2	0.02	<2	6	56
C165773		10	1	0.07	10	2.66	743	<1	0.08	100	460	<2	0.01	<2	7	64
C165774		10	1	0.09	10	3.02	894	<1	0.06	113	490	<2	0.01	<2	7	74
C165775		10	<1	0.08	<10	2.64	812	<1	0.04	94	440	<2	0.01	<2	7	70
C165776		10	<1	0.08	<10	2.82	784	1	0.04	101	470	<2	0.01	<2	7	60
C165777		10	<1	0.06	<10	2.71	759	<1	0.05	83	480	<2	0.01	<2	7	68
C165778		10	1	0.02	<10	2.63	721	1	0.06	85	470	<2	0.04	<2	7	144
C165779		10	1	0.01	20	5.01	891	<1	0.02	172	1310	3	0.04	<2	11	132
C165780		10	5	0.14	<10	0.81	465	12	0.06	38	770	290	0.65	29	4	36
C165781		10	<1	<0.01	10	3.50	826	<1	0.05	90	1210	<2	0.06	<2	8	126
C165782		10	<1	0.01	<10	2.95	716	<1	0.07	87	490	<2	0.16	<2	7	109
C165783		10	<1	0.01	<10	2.91	712	<1	0.07	77	450	<2	0.33	<2	7	106
C165784		10	<1	0.03	<10	2.53	692	<1	0.06	76	480	<2	0.01	<2	7	84
C165785		10	<1	0.04	<10	2.55	724	<1	0.06	83	460	<2	0.03	<2	8	53
C165786		10	<1	0.02	<10	2.60	713	<1	0.06	75	440	<2	0.04	<2	8	60
C165787		10	1	<0.01	<10	4.26	1095	<1	0.03	92	430	5	0.24	<2	26	86
C165788		20	<1	<0.01	<10	4.71	1195	<1	0.02	82	280	6	0.24	<2	35	57
C165789		10	<1	0.01	<10	3.05	1115	<1	0.03	76	270	2	0.13	<2	29	100
C165790		10	<1	0.75	<10	3.07	1355	<1	0.12	112	360	17	0.60	47	14	113
C165791		10	<1	0.01	<10	2.53	1050	<1	0.03	73	240	2	0.39	<2	31	71
C165792		10	1	0.02	<10	1.48	911	<1	0.02	55	190	5	0.69	<2	18	85
C165793		10	<1	<0.01	<10	3.02	1110	<1	0.04	78	270	2	0.31	<2	31	59
C165794		10	1	<0.01	<10	3.51	1100	<1	0.03	72	240	<2	0.08	<2	20	66
C165795		10	<1	<0.01	<10	3.02	1050	<1	0.03	76	240	<2	0.15	<2	15	72
C165796		10	<1	<0.01	<10	4.52	1200	<1	0.03	87	290	3	0.13	<2	18	38
C165797		10	1	<0.01	<10	3.76	1135	<1	0.02	62	210	5	0.14	<2	16	87
C165798		10	<1	<0.01	<10	4.60	1200	<1	0.03	78	260	4	0.12	<2	24	50
C165799		10	1	<0.01	<10	3.80	1125	<1	0.02	81	250	10	0.30	<2	17	73
C165800		<10	<1	0.01	10	0.02	12	<1	<0.01	<1	30	<2	0.01	<2	<1	2
C165801		10	<1	<0.01	<10	3.70	1080	<1	0.03	78	250	8	0.19	<2	17	65
C165802		10	<1	<0.01	<10	3.54	1055	<1	0.04	77	250	4	0.16	<2	19	68



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CERTIFICATE OF ANALYSIS	TB09072619
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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
C165763		<20	0.10	<10	<10	78	<10	80
C165764		<20	0.18	<10	<10	62	<10	79
C165765		<20	0.15	<10	<10	58	<10	78
C165766		<20	0.14	<10	<10	68	<10	77
C165767		<20	0.13	<10	<10	68	<10	75
C165768		<20	0.10	<10	<10	82	<10	86
C165769		<20	0.06	<10	<10	70	<10	66
C165770		<20	<0.01	<10	<10	<1	<10	<2
C165771		<20	0.10	<10	<10	41	<10	63
C165772		<20	0.14	<10	<10	54	<10	80
C165773		<20	0.15	<10	<10	62	<10	78
C165774		<20	0.15	<10	<10	63	<10	92
C165775		<20	0.18	<10	<10	60	<10	80
C165776		<20	0.18	<10	<10	61	<10	80
C165777		<20	0.17	<10	<10	68	<10	73
C165778		<20	0.15	<10	<10	70	<10	60
C165779		<20	0.18	<10	<10	89	<10	78
C165780		<20	0.10	<10	<10	61	<10	275
C165781		<20	0.18	<10	<10	94	<10	64
C165782		<20	0.13	<10	<10	78	<10	61
C165783		<20	0.13	<10	<10	74	<10	59
C165784		<20	0.13	<10	<10	71	<10	58
C165785		<20	0.14	<10	<10	75	<10	61
C165786		<20	0.13	<10	<10	77	<10	56
C165787		<20	0.21	<10	<10	194	<10	64
C165788		<20	0.24	<10	<10	251	<10	58
C165789		<20	0.18	<10	<10	212	<10	42
C165790		<20	0.10	<10	<10	161	20	66
C165791		<20	0.17	<10	<10	218	<10	43
C165792		<20	0.07	<10	<10	144	<10	29
C165793		<20	0.24	<10	<10	246	<10	43
C165794		<20	0.21	<10	<10	219	<10	43
C165795		<20	0.22	<10	<10	213	<10	38
C165796		<20	0.27	<10	<10	253	<10	53
C165797		<20	0.21	<10	<10	180	<10	42
C165798		<20	0.25	<10	<10	237	<10	51
C165799		<20	0.21	<10	<10	197	<10	45
C165800		<20	<0.01	<10	<10	1	<10	<2
C165801		<20	0.23	<10	<10	198	<10	46
C165802		<20	0.25	<10	<10	206	<10	43



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Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
C165803		1.73	0.119	0.3	4.42	34	<10	<10	<0.5	<2	5.81	<0.5	39	212	515	7.34
C165804		1.04	0.051	0.4	3.81	27	<10	<10	<0.5	<2	8.32	<0.5	35	180	314	6.20
C165805		0.90	0.436	0.2	4.66	41	<10	<10	<0.5	<2	6.27	<0.5	50	189	199	7.62
C165806		1.06	0.115	0.4	3.81	15	<10	10	<0.5	8	6.18	<0.5	43	197	241	7.03
C165807		2.58	0.191	0.3	3.52	17	<10	<10	<0.5	<2	4.27	<0.5	33	173	204	6.04
C165808		1.32	0.063	<0.2	3.40	25	<10	<10	<0.5	<2	3.81	<0.5	34	161	286	5.83
C165809		2.45	0.072	<0.2	3.56	27	<10	<10	<0.5	<2	3.41	<0.5	38	156	316	6.09
C165810		0.09	3.48	3.9	1.44	269	<10	510	<0.5	<2	1.27	1.5	8	53	74	3.22
C165811		3.27	0.095	0.2	4.56	33	<10	<10	<0.5	<2	4.65	<0.5	47	205	325	7.28
C165812		1.63	0.538	0.5	4.49	40	<10	<10	<0.5	<2	6.08	<0.5	59	203	597	7.55
C165813		1.55	0.078	0.3	3.88	29	<10	<10	<0.5	<2	7.28	<0.5	36	183	535	6.81
C165814		2.20	0.106	0.2	1.44	11	<10	10	<0.5	<2	2.74	<0.5	13	10	11	2.89
C165815		2.10	0.082	0.2	1.42	4	<10	20	<0.5	17	2.33	<0.5	12	11	14	2.85
C165816		2.87	0.080	0.4	3.35	13	<10	<10	<0.5	<2	3.37	<0.5	33	164	420	5.69
C165817		2.64	0.250	0.2	2.46	12	<10	<10	<0.5	<2	1.94	<0.5	32	150	218	4.39
C165818		2.29	0.036	0.3	2.52	18	10	<10	<0.5	<2	1.82	<0.5	32	146	322	4.27
C165819		1.52	0.025	1.4	2.87	12	<10	10	<0.5	<2	3.91	<0.5	40	169	475	5.96
C165820		0.08	1.060	0.4	4.34	1340	<10	110	<0.5	<2	6.23	<0.5	22	226	107	4.96
C165821		1.46	0.130	0.4	3.25	19	<10	<10	<0.5	<2	3.37	<0.5	33	177	357	5.73
C165822		1.89	0.034	0.3	2.58	7	<10	<10	<0.5	<2	1.76	<0.5	31	139	496	4.89



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
C165803		10	<1	<0.01	<10	3.59	1090	<1	0.03	80	250	<2	0.18	<2	24	57
C165804		10	<1	<0.01	<10	3.14	1065	5	0.02	65	230	<2	0.29	<2	20	91
C165805		10	<1	<0.01	<10	3.85	1150	<1	0.02	80	270	<2	0.20	<2	15	82
C165806		10	<1	<0.01	<10	3.24	1005	36	0.03	75	250	4	1.25	<2	13	75
C165807		10	1	<0.01	<10	2.90	966	<1	0.04	69	260	<2	0.20	<2	9	63
C165808		10	<1	<0.01	<10	2.73	856	<1	0.04	63	280	<2	0.10	<2	7	60
C165809		10	<1	<0.01	<10	3.02	862	1	0.04	70	260	<2	0.24	<2	8	57
C165810		<10	5	0.13	<10	0.78	450	11	0.06	36	740	279	0.62	26	4	34
C165811		10	<1	<0.01	<10	4.14	1025	<1	0.03	76	250	<2	0.40	<2	17	43
C165812		10	<1	<0.01	<10	3.95	1020	<1	0.03	77	260	2	0.99	<2	18	44
C165813		10	1	<0.01	<10	2.78	993	<1	0.03	68	220	<2	0.25	<2	16	52
C165814		10	<1	0.06	<10	0.82	370	<1	0.07	17	450	<2	0.12	<2	4	19
C165815		10	<1	0.04	10	0.89	362	1	0.07	15	430	<2	0.18	<2	4	17
C165816		10	<1	<0.01	<10	2.81	832	<1	0.04	61	260	<2	0.17	<2	7	40
C165817		10	<1	<0.01	<10	2.00	608	<1	0.04	53	270	<2	0.19	<2	4	48
C165818		10	<1	<0.01	<10	1.98	597	<1	0.03	58	260	<2	0.14	<2	5	74
C165819		10	<1	<0.01	<10	2.42	786	5	0.05	67	270	10	1.61	<2	6	41
C165820		10	<1	0.72	<10	2.95	1305	<1	0.11	106	340	17	0.59	43	14	110
C165821		10	<1	<0.01	<10	2.63	856	<1	0.04	63	260	<2	0.17	<2	5	45
C165822		10	<1	<0.01	<10	2.07	684	<1	0.04	54	250	<2	0.36	<2	4	38



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Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS TB09076750

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
C165903		<20	0.20	<10	<10	99	<10	33
C165904		<20	0.18	<10	<10	99	<10	36
C165905		<20	0.15	<10	<10	85	<10	28
C165906		<20	0.18	<10	<10	96	<10	31
C165907		<20	0.18	<10	<10	98	<10	45
C165908		<20	0.17	<10	<10	86	<10	55
C165909		<20	0.17	<10	<10	50	<10	35
C165910		<20	0.10	<10	<10	162	20	67
C165911		<20	0.15	<10	<10	53	<10	44
C165912		<20	0.18	<10	<10	51	<10	35
C165913		<20	0.18	<10	<10	92	<10	38
C165914		<20	0.19	<10	<10	94	<10	34
C165915		<20	0.23	<10	<10	96	<10	34
C165916		<20	0.17	<10	<10	93	<10	40
C165917		<20	0.18	<10	<10	102	<10	36
C165918		<20	0.19	<10	<10	85	<10	29
C165919		<20	0.21	<10	<10	91	<10	33
C165920		<20	<0.01	<10	<10	1	<10	<2
C165921		<20	0.20	<10	<10	81	<10	27
C165922		<20	0.20	<10	<10	102	<10	32
C165923		<20	0.18	<10	<10	84	<10	26
C165924		<20	0.16	<10	<10	87	<10	26
C165925		<20	0.18	<10	<10	86	<10	29
C165926		<20	0.20	<10	<10	99	<10	31



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CERTIFICATE TB09076750

Project: CREE LAKE

P.O. No.:

This report is for 104 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 28-JUL-2009.

The following have access to data associated with this certificate:

WALTER HANYCH

ROBIN ROSS

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

To: MANTIS MINERAL CORP
ATTN: WALTER HANYCH
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS TB09076750

Sample Description	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
	0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
C165823	2.49	0.046	1.9	2.15	12	70	<10	<0.5	<2	3.22	<0.5	25	119	4200	4.30
C165824	1.81	0.039	0.2	3.00	13	<10	<10	<0.5	<2	2.33	<0.5	35	149	295	5.51
C165825	1.98	0.038	0.2	2.85	12	<10	<10	<0.5	<2	3.30	<0.5	32	149	337	5.32
C165826	1.94	0.036	0.3	2.28	3	<10	<10	<0.5	<2	1.66	<0.5	26	121	388	4.27
C165827	1.46	0.033	0.3	2.19	5	<10	<10	<0.5	<2	2.16	<0.5	24	115	279	3.90
C165828	0.98	0.088	0.3	2.45	13	<10	<10	<0.5	<2	5.81	<0.5	43	111	332	4.82
C165829	1.87	0.029	0.2	3.41	9	<10	<10	<0.5	<2	5.13	<0.5	38	187	228	6.31
C165830	0.08	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.12	<0.5	<1	2	3	0.03
C165831	1.79	0.042	0.4	3.50	16	<10	<10	<0.5	<2	6.79	<0.5	38	195	208	6.75
C165832	2.12	0.021	<0.2	2.97	4	<10	<10	<0.5	<2	3.26	<0.5	30	158	81	5.42
C165833	2.18	0.046	0.3	2.53	8	<10	<10	<0.5	<2	2.67	<0.5	29	135	288	4.61
C165834	1.92	0.075	<0.2	2.44	5	<10	<10	<0.5	<2	2.12	<0.5	25	123	193	4.37
C165835	0.94	0.055	0.3	2.86	7	<10	<10	<0.5	<2	2.90	<0.5	29	151	249	5.13
C165836	1.26	1.975	1.6	3.57	6	<10	<10	<0.5	3	4.45	<0.5	35	178	290	6.16
C165837	1.36	0.151	0.4	2.05	10	<10	10	<0.5	<2	1.90	<0.5	18	45	248	3.98
C165838	2.47	0.136	0.4	2.02	11	<10	10	<0.5	<2	2.29	<0.5	16	39	328	4.00
C165839	1.74	0.079	0.4	2.87	14	<10	10	<0.5	<2	3.66	<0.5	28	106	293	5.41
C165840	0.09	3.50	3.8	1.48	275	<10	520	<0.5	<2	1.30	1.5	9	55	75	3.29
C165841	2.27	0.710	0.7	3.75	10	<10	<10	<0.5	<2	3.68	<0.5	38	208	601	6.36
C165842	2.00	0.147	0.4	3.27	12	<10	10	<0.5	<2	3.29	<0.5	34	187	553	5.72
C165843	1.87	0.097	0.2	3.07	18	<10	20	<0.5	<2	4.29	<0.5	37	184	174	5.54
C165844	1.90	0.066	0.3	3.46	32	<10	<10	<0.5	<2	5.94	<0.5	29	157	272	5.63
C165845	1.64	0.036	<0.2	1.89	17	<10	20	<0.5	<2	3.00	<0.5	14	37	54	3.49
C165846	1.05	0.038	0.4	1.53	5	<10	20	<0.5	2	3.69	<0.5	12	21	26	3.12
C165847	1.62	0.160	0.2	1.71	14	<10	30	<0.5	<2	4.06	1.4	13	19	26	3.18
C165848	1.92	0.057	<0.2	1.53	13	<10	30	<0.5	<2	4.40	<0.5	12	17	31	2.92
C165849	1.50	0.012	<0.2	1.63	7	<10	30	<0.5	<2	3.96	<0.5	13	18	23	3.06
C165850	0.08	1.090	0.4	4.42	1405	<10	110	<0.5	<2	6.84	<0.5	24	240	109	5.22
C165851	2.29	0.046	0.4	1.22	12	<10	30	<0.5	<2	3.90	<0.5	12	13	54	2.69
C165852	1.32	0.107	0.6	1.67	5	<10	20	<0.5	<2	4.86	<0.5	14	130	49	2.96
C165853	1.33	0.009	0.2	3.30	3	<10	10	<0.5	<2	3.86	<0.5	25	333	28	4.53
C165854	1.07	4.23	5.2	2.70	11	<10	30	<0.5	11	4.55	2.0	22	293	418	4.34
C165855	1.71	0.010	<0.2	3.35	3	<10	10	<0.5	<2	2.82	<0.5	24	346	14	4.31
C165856	1.43	0.096	<0.2	3.02	4	<10	10	<0.5	<2	4.16	<0.5	21	320	36	4.11
C165857	1.15	0.029	0.4	2.90	6	<10	10	<0.5	<2	4.20	<0.5	32	332	16	4.67
C165858	1.46	0.014	<0.2	2.73	5	<10	10	<0.5	<2	4.90	<0.5	26	355	31	4.26
C165859	1.73	0.012	<0.2	3.32	3	<10	<10	<0.5	<2	2.79	<0.5	28	409	20	4.56
C165860	0.08	0.005	<0.2	0.02	2	<10	<10	<0.5	<2	0.12	<0.5	<1	2	5	0.03
C165861	2.37	0.021	0.2	3.10	4	<10	<10	<0.5	<2	2.49	<0.5	26	378	20	4.18
C165862	2.39	0.013	<0.2	3.20	3	<10	<10	<0.5	<2	2.75	<0.5	27	376	24	4.26



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Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS TB09076750

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	
Units		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	
LOR		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
C165823		<10	<1	<0.01	<10	1.55	613	<1	0.04	48	230	<2	0.67	<2	4	56
C165824		10	<1	0.01	<10	2.32	748	<1	0.04	62	280	<2	0.15	<2	5	47
C165825		10	<1	<0.01	<10	2.14	754	<1	0.06	60	250	<2	0.20	<2	8	40
C165826		<10	<1	<0.01	<10	1.66	588	<1	0.06	53	250	<2	0.21	<2	5	34
C165827		10	<1	<0.01	<10	1.48	557	<1	0.05	49	250	<2	0.09	<2	4	43
C165828		10	<1	<0.01	<10	1.78	756	<1	0.04	62	210	<2	0.53	<2	5	37
C165829		10	<1	0.01	<10	2.44	913	<1	0.05	70	260	<2	0.46	<2	8	37
C165830		<10	<1	0.01	10	0.01	12	<1	<0.01	<1	30	<2	0.01	<2	<1	2
C165831		10	<1	<0.01	<10	2.41	971	<1	0.05	74	250	<2	0.78	<2	9	38
C165832		10	1	<0.01	<10	2.24	712	1	0.05	62	250	<2	0.15	<2	6	32
C165833		10	<1	<0.01	<10	1.77	597	<1	0.06	56	240	<2	0.16	<2	5	41
C165834		10	<1	<0.01	<10	1.73	569	<1	0.05	51	250	<2	0.11	<2	4	35
C165835		10	<1	<0.01	<10	2.12	688	<1	0.06	61	260	<2	0.22	<2	6	38
C165836		10	1	<0.01	<10	2.72	833	<1	0.06	69	260	<2	0.29	<2	8	37
C165837		10	<1	0.08	10	1.29	354	<1	0.07	36	470	<2	0.36	<2	4	23
C165838		10	<1	0.12	10	1.25	341	<1	0.06	33	470	<2	0.42	<2	4	17
C165839		10	<1	0.05	<10	2.11	683	<1	0.06	51	410	<2	0.48	<2	9	26
C165840		<10	5	0.14	<10	0.79	458	11	0.06	38	760	281	0.64	29	4	35
C165841		10	1	<0.01	<10	3.43	968	<1	0.04	75	270	<2	0.23	<2	14	49
C165842		10	<1	<0.01	<10	3.00	887	<1	0.04	69	270	2	0.19	<2	10	47
C165843		10	1	<0.01	<10	2.63	910	<1	0.05	72	260	2	0.26	<2	10	40
C165844		10	1	<0.01	<10	2.78	947	<1	0.04	61	250	<2	0.12	<2	14	40
C165845		10	1	0.10	10	1.14	517	<1	0.05	26	550	<2	0.40	<2	5	18
C165846		<10	<1	0.14	10	0.91	505	41	0.03	22	550	4	0.95	<2	2	24
C165847		<10	<1	0.19	10	0.91	559	<1	0.02	25	600	3	0.43	<2	2	27
C165848		<10	<1	0.19	10	0.80	549	<1	0.02	22	550	2	0.46	<2	1	29
C165849		<10	<1	0.23	10	0.76	541	<1	0.02	24	590	<2	0.32	<2	1	26
C165850		10	<1	0.73	<10	3.08	1355	<1	0.13	114	360	18	0.60	40	14	114
C165851		<10	<1	0.23	<10	0.44	417	5	0.02	20	500	<2	0.70	<2	1	27
C165852		<10	<1	0.16	<10	1.04	596	2	0.02	62	470	3	0.43	<2	2	30
C165853		10	<1	0.07	10	3.05	945	<1	0.04	121	540	2	0.06	<2	6	23
C165854		<10	1	0.07	10	2.42	909	1	0.03	119	530	133	0.68	<2	5	29
C165855		10	<1	0.04	10	3.49	987	<1	0.04	123	560	<2	0.02	<2	6	25
C165856		10	<1	0.04	10	2.96	944	1	0.05	116	540	3	0.11	<2	6	34
C165857		10	<1	0.04	10	2.80	907	12	0.04	130	560	4	0.81	<2	9	26
C165858		10	<1	0.05	<10	2.18	898	<1	0.05	141	610	<2	0.07	<2	6	36
C165859		10	<1	0.01	10	3.50	977	<1	0.04	142	620	<2	0.03	<2	6	31
C165860		<10	<1	0.01	10	0.01	11	<1	0.01	<1	30	<2	<0.01	<2	<1	2
C165861		10	<1	0.01	10	3.34	940	<1	0.04	134	610	<2	0.01	<2	4	33
C165862		10	<1	0.01	10	3.37	976	<1	0.05	137	590	<2	0.01	<2	5	41



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CERTIFICATE OF ANALYSIS TB09076750

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
C165823		<20	0.19	<10	<10	77	<10	22
C165824		<20	0.24	<10	<10	115	<10	33
C165825		<20	0.22	<10	<10	133	<10	32
C165826		<20	0.23	<10	<10	93	<10	26
C165827		<20	0.22	<10	<10	85	<10	23
C165828		<20	0.14	<10	<10	103	<10	27
C165829		<20	0.24	<10	<10	169	<10	40
C165830		<20	<0.01	<10	<10	1	<10	<2
C165831		<20	0.23	<10	<10	184	<10	45
C165832		<20	0.22	<10	<10	127	10	34
C165833		<20	0.23	<10	<10	99	<10	30
C165834		<20	0.22	<10	<10	93	<10	25
C165835		<20	0.23	<10	<10	119	<10	34
C165836		<20	0.22	<10	<10	161	<10	41
C165837		<20	0.08	<10	<10	43	<10	26
C165838		<20	0.06	<10	<10	42	<10	29
C165839		<20	0.10	<10	<10	105	<10	39
C165840		<20	0.09	<10	<10	60	<10	272
C165841		<20	0.22	<10	<10	175	<10	50
C165842		<20	0.22	<10	<10	150	<10	41
C165843		<20	0.19	<10	<10	150	10	40
C165844		<20	0.16	<10	<10	162	<10	49
C165845		<20	0.07	<10	<10	44	210	66
C165846		<20	0.06	<10	<10	18	<10	105
C165847		<20	0.07	<10	<10	15	<10	188
C165848		<20	0.06	<10	<10	12	<10	110
C165849		<20	0.06	<10	<10	12	<10	102
C165850		<20	0.10	<10	<10	159	20	67
C165851		<20	0.06	<10	<10	10	<10	60
C165852		<20	0.07	<10	<10	20	<10	71
C165853		<20	0.11	<10	<10	61	<10	185
C165854		<20	0.11	<10	<10	51	<10	284
C165855		<20	0.16	<10	<10	67	<10	69
C165856		<20	0.15	<10	<10	65	<10	48
C165857		<20	0.13	<10	<10	73	<10	43
C165858		<20	0.14	<10	<10	66	<10	32
C165859		<20	0.18	<10	<10	81	<10	37
C165860		<20	<0.01	<10	<10	<1	<10	<2
C165861		<20	0.17	<10	<10	71	<10	33
C165862		<20	0.17	<10	<10	71	<10	34



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CERTIFICATE OF ANALYSIS TB09076750

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
C165863		1.62	0.013	0.2	3.12	4	<10	10	<0.5	<2	4.73	<0.5	25	359	18	4.40
C165864		1.74	<0.005	<0.2	3.39	3	<10	10	<0.5	<2	4.26	<0.5	28	403	13	4.41
C165865		1.03	0.007	<0.2	2.82	2	<10	10	<0.5	<2	5.45	<0.5	23	330	13	4.11
C165866		1.81	0.005	<0.2	2.49	7	<10	10	<0.5	<2	2.89	<0.5	20	239	76	3.72
C165867		1.80	0.007	<0.2	1.89	8	<10	<10	<0.5	<2	2.35	<0.5	15	91	32	3.13
C165868		1.95	0.007	<0.2	2.04	10	<10	10	<0.5	<2	1.39	<0.5	18	95	27	3.38
C165869		1.28	0.007	<0.2	2.37	10	<10	<10	<0.5	<2	1.62	<0.5	21	105	46	3.85
C165870		0.09	3.33	4.1	1.49	288	<10	400	<0.5	<2	1.33	1.6	9	56	75	3.32
C165871		0.58	0.015	<0.2	3.80	17	<10	<10	<0.5	<2	3.11	<0.5	35	162	192	6.27
C165872		1.16	0.010	<0.2	2.60	11	<10	<10	<0.5	<2	2.91	<0.5	22	108	67	4.03
C165873		0.92	0.031	0.4	2.75	6	<10	10	<0.5	13	5.86	<0.5	24	124	142	4.60
C165874		0.52	0.022	0.3	3.65	14	<10	10	<0.5	<2	2.48	<0.5	38	173	194	6.20
C165875		1.05	0.012	0.2	2.03	5	<10	10	<0.5	<2	1.39	<0.5	17	97	129	3.35
C165876		2.15	0.006	<0.2	2.55	9	<10	10	<0.5	<2	2.17	<0.5	22	211	67	3.89
C165877		2.33	0.007	<0.2	2.33	12	<10	10	<0.5	<2	2.22	<0.5	20	189	45	3.49
C165878		2.46	0.014	<0.2	2.29	12	<10	<10	<0.5	2	1.76	<0.5	20	137	120	3.57
C165879		2.50	0.010	<0.2	2.98	21	<10	10	<0.5	<2	2.81	<0.5	28	290	37	4.37
C165880		0.08	1.095	0.4	4.43	1390	<10	110	<0.5	<2	6.30	<0.5	24	240	107	5.16
C165881		2.30	0.010	<0.2	2.85	25	<10	10	<0.5	<2	2.49	<0.5	27	298	70	4.47
C165882		2.18	0.026	<0.2	2.24	15	<10	10	<0.5	<2	1.93	<0.5	20	102	111	3.61
C165883		0.87	0.027	0.3	3.07	27	<10	10	<0.5	31	4.37	<0.5	29	148	192	5.27
C165884		1.26	0.015	<0.2	2.84	29	<10	10	<0.5	<2	3.65	<0.5	25	146	54	4.86
C165885		0.64	1.075	0.6	1.45	27	<10	40	<0.5	<2	2.67	0.5	16	21	46	3.07
C165886		1.05	0.027	0.2	1.53	16	<10	20	<0.5	6	2.55	<0.5	15	29	29	3.15
C165887		1.31	0.045	<0.2	1.54	19	<10	20	<0.5	<2	1.83	<0.5	15	31	48	3.03
C165888		2.59	0.238	<0.2	1.55	17	<10	20	<0.5	<2	2.03	<0.5	15	30	60	3.07
C165889		1.37	1.405	0.4	1.58	12	<10	20	<0.5	<2	2.56	<0.5	15	33	62	3.31
C165890		0.08	<0.005	<0.2	0.02	2	<10	<10	<0.5	<2	0.13	<0.5	<1	1	2	0.03
C165891		1.09	0.059	0.2	1.47	6	<10	30	<0.5	<2	3.16	<0.5	18	21	84	3.12
C165892		1.95	0.058	<0.2	1.63	9	<10	20	<0.5	<2	2.35	<0.5	15	30	53	3.19
C165893		1.22	0.086	<0.2	1.67	9	<10	20	<0.5	<2	2.17	<0.5	15	36	38	3.24
C165894		2.15	0.017	<0.2	3.85	5	<10	<10	<0.5	2	4.56	<0.5	34	177	141	6.26
C165895		1.84	0.013	<0.2	4.27	6	<10	<10	<0.5	<2	4.63	<0.5	38	193	127	6.82
C165896		1.79	0.030	<0.2	4.67	4	<10	<10	<0.5	<2	5.30	<0.5	42	216	167	7.33
C165897		0.71	0.023	0.3	3.88	7	<10	10	<0.5	2	6.45	<0.5	30	159	94	6.38
C165898		1.23	0.025	0.3	4.32	7	<10	10	<0.5	<2	5.64	<0.5	37	172	111	7.24
C165899		1.80	0.023	0.4	3.57	2	<10	<10	<0.5	2	4.75	<0.5	33	161	213	5.94
C165900		0.10	3.58	3.9	1.40	273	<10	370	<0.5	<2	1.26	1.5	9	53	77	3.20
C165901		1.89	0.046	0.3	2.58	7	<10	<10	<0.5	<2	2.62	<0.5	27	107	242	4.45
C165902		0.79	0.026	0.4	3.38	5	<10	<10	<0.5	<2	3.72	<0.5	39	161	182	6.10



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CERTIFICATE OF ANALYSIS TB09076750

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
Units		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
LOR		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
C165863		10	<1	0.03	<10	3.13	1035	3	0.04	129	560	2	0.10	<2	9	27
C165864		10	<1	0.05	10	3.56	1010	<1	0.05	158	730	<2	<0.01	<2	10	25
C165865		10	<1	0.02	<10	2.60	945	<1	0.05	118	530	<2	0.03	<2	8	34
C165866		10	<1	0.03	10	2.32	752	<1	0.06	93	540	<2	0.07	<2	5	24
C165867		10	<1	0.01	10	1.59	542	<1	0.06	50	510	<2	0.08	<2	3	25
C165868		10	<1	0.02	10	1.69	567	<1	0.06	55	530	<2	0.13	<2	2	29
C165869		10	<1	0.01	10	1.98	676	<1	0.06	59	540	<2	0.11	<2	3	34
C165870		<10	4	0.14	<10	0.81	459	12	0.07	39	760	290	0.63	25	4	36
C165871		10	<1	0.01	<10	3.32	1125	<1	0.05	69	280	2	0.16	<2	7	36
C165872		10	<1	0.01	10	2.18	755	<1	0.06	63	560	<2	0.05	<2	3	45
C165873		10	<1	0.01	<10	2.38	911	<1	0.04	58	380	<2	0.29	<2	4	46
C165874		10	<1	0.02	<10	3.27	1055	<1	0.04	74	330	2	0.36	<2	5	33
C165875		10	<1	0.02	10	1.73	571	<1	0.06	53	540	<2	0.11	<2	3	24
C165876		10	1	0.02	10	2.39	705	<1	0.06	89	570	<2	0.05	<2	4	30
C165877		10	<1	0.02	10	2.09	619	<1	0.06	82	540	<2	0.04	<2	3	30
C165878		10	<1	0.02	10	2.02	618	<1	0.06	71	530	<2	0.08	<2	3	28
C165879		<10	<1	0.02	10	2.88	804	<1	0.05	116	520	<2	0.08	<2	4	30
C165880		10	<1	0.73	<10	3.07	1335	<1	0.13	113	360	18	0.59	41	14	113
C165881		10	<1	0.03	10	2.72	789	<1	0.05	112	560	<2	0.19	<2	4	24
C165882		<10	<1	0.02	10	1.85	644	1	0.06	59	540	2	0.17	<2	3	32
C165883		10	<1	0.01	<10	2.60	962	3	0.03	66	390	17	0.36	<2	8	32
C165884		10	<1	0.06	<10	2.11	799	<1	0.03	70	490	4	0.09	<2	7	22
C165885		<10	<1	0.24	10	0.67	365	<1	0.02	26	630	156	0.66	<2	2	14
C165886		10	<1	0.13	10	0.90	375	4	0.04	22	580	6	0.32	<2	3	16
C165887		<10	<1	0.10	10	0.98	322	<1	0.03	22	570	2	0.22	<2	2	14
C165888		<10	<1	0.12	10	0.96	320	1	0.03	21	550	<2	0.22	<2	2	17
C165889		<10	<1	0.13	10	0.94	347	1	0.03	23	590	2	0.37	<2	2	17
C165890		<10	<1	0.01	10	0.01	12	<1	<0.01	<1	30	<2	<0.01	<2	<1	1
C165891		<10	<1	0.19	10	0.84	331	2	0.02	21	580	<2	0.76	<2	2	19
C165892		10	<1	0.12	10	1.01	368	<1	0.04	22	610	<2	0.22	<2	3	17
C165893		10	<1	0.07	10	1.10	404	1	0.04	25	640	2	0.17	<2	3	21
C165894		10	1	0.01	<10	3.41	1055	<1	0.02	76	320	2	0.29	<2	8	49
C165895		10	<1	<0.01	<10	3.93	1190	<1	0.01	78	260	<2	0.11	<2	9	58
C165896		10	<1	<0.01	<10	4.24	1280	<1	0.01	81	270	<2	0.13	<2	16	47
C165897		10	1	0.05	<10	3.14	1135	<1	0.01	65	230	<2	0.20	<2	20	51
C165898		10	<1	0.08	<10	3.57	1150	1	0.01	82	250	<2	0.43	<2	19	44
C165899		10	<1	0.01	<10	3.13	1015	<1	0.02	72	260	<2	0.20	<2	11	50
C165900		<10	4	0.13	<10	0.78	442	12	0.06	37	730	276	0.60	26	4	33
C165901		<10	<1	0.01	<10	2.11	793	<1	0.02	58	260	<2	0.11	<2	4	59
C165902		10	<1	0.01	<10	3.11	1055	<1	0.02	76	260	<2	0.58	<2	6	40



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CERTIFICATE OF ANALYSIS TB09076750

Sample Description	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Th	Ti	Ti	U	V	W	Zn
	ppm	%	ppm	ppm	ppm	ppm	ppm
Method Analyte Units LOR	20	0.01	10	10	1	10	2
C165863	<20	0.14	<10	<10	82	<10	36
C165864	<20	0.19	<10	<10	97	<10	45
C165865	<20	0.15	<10	<10	75	<10	39
C165866	<20	0.16	<10	<10	66	<10	36
C165867	<20	0.13	<10	<10	44	<10	27
C165868	<20	0.16	<10	<10	45	<10	34
C165869	<20	0.18	<10	<10	59	<10	34
C165870	<20	0.10	<10	<10	61	<10	272
C165871	<20	0.22	<10	<10	159	<10	55
C165872	<20	0.20	<10	<10	62	<10	38
C165873	<20	0.16	<10	<10	87	<10	54
C165874	<20	0.21	<10	<10	135	<10	77
C165875	<20	0.15	<10	<10	47	<10	46
C165876	<20	0.17	<10	<10	60	<10	40
C165877	<20	0.17	<10	<10	52	<10	31
C165878	<20	0.15	<10	<10	47	<10	30
C165879	<20	0.17	<10	<10	61	<10	38
C165880	<20	0.09	<10	<10	158	20	65
C165881	<20	0.17	<10	<10	70	<10	38
C165882	<20	0.16	<10	<10	48	<10	32
C165883	<20	0.15	<10	<10	121	<10	61
C165884	<20	0.13	<10	<10	83	<10	72
C165885	<20	0.07	<10	<10	18	<10	66
C165886	<20	0.07	<10	<10	31	<10	45
C165887	<20	0.07	<10	<10	32	<10	27
C165888	<20	0.08	<10	<10	29	<10	26
C165889	<20	0.08	<10	<10	30	<10	31
C165890	<20	<0.01	<10	<10	<1	<10	<2
C165891	<20	0.07	<10	<10	21	10	31
C165892	<20	0.10	<10	<10	30	<10	38
C165893	<20	0.11	<10	<10	37	<10	32
C165894	<20	0.21	<10	<10	144	<10	68
C165895	<20	0.22	<10	<10	162	<10	76
C165896	<20	0.21	<10	<10	194	<10	77
C165897	<20	0.12	<10	<10	160	<10	52
C165898	<20	0.12	<10	<10	156	10	52
C165899	<20	0.14	<10	<10	156	<10	42
C165900	<20	0.08	<10	<10	57	<10	262
C165901	<20	0.18	<10	<10	98	<10	34
C165902	<20	0.15	<10	<10	140	<10	49



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CERTIFICATE OF ANALYSIS TB09076750

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
C165903		1.04	0.014	<0.2	2.45	3	<10	<10	<0.5	<2	1.16	<0.5	29	117	183	4.28
C165904		0.84	0.034	0.4	2.42	3	<10	<10	<0.5	<2	3.02	<0.5	30	123	314	4.58
C165905		1.95	0.041	0.3	2.22	3	<10	<10	<0.5	<2	1.62	<0.5	26	124	457	3.88
C165906		1.94	0.023	0.3	2.50	6	<10	<10	<0.5	<2	1.96	<0.5	30	113	253	4.41
C165907		1.78	0.037	0.2	2.41	2	<10	10	<0.5	2	0.96	<0.5	27	108	251	4.32
C165908		1.77	0.072	<0.2	2.34	5	<10	10	<0.5	<2	1.35	<0.5	21	116	91	4.13
C165909		1.82	<0.005	0.2	1.35	5	<10	30	<0.5	<2	2.48	<0.5	17	78	52	2.56
C165910		0.09	1.115	0.4	4.56	1440	<10	110	<0.5	<2	6.50	<0.5	24	243	112	5.24
C165911		2.36	0.007	<0.2	1.61	14	<10	30	<0.5	<2	2.89	<0.5	16	117	32	2.81
C165912		1.29	0.007	<0.2	1.50	4	<10	20	<0.5	<2	2.88	<0.5	15	74	33	2.71
C165913		1.86	0.029	0.2	2.42	8	10	<10	<0.5	<2	2.34	<0.5	27	120	200	4.30
C165914		2.67	0.025	0.2	2.63	2	<10	<10	<0.5	<2	1.59	<0.5	28	117	122	4.60
C165915		2.20	0.032	0.3	2.64	8	<10	<10	<0.5	<2	2.68	<0.5	28	104	113	4.49
C165916		1.47	0.100	0.6	2.90	32	<10	<10	<0.5	<2	3.26	<0.5	55	106	650	5.71
C165917		2.05	0.030	<0.2	2.78	10	<10	<10	<0.5	<2	1.53	<0.5	29	116	158	4.91
C165918		2.80	0.012	<0.2	2.42	15	10	<10	<0.5	<2	2.03	<0.5	28	89	163	4.13
C165919		2.40	0.016	0.2	2.57	9	30	<10	<0.5	<2	1.94	<0.5	29	97	139	4.55
C165920		0.08	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.10	<0.5	1	2	2	0.03
C165921		2.00	0.007	<0.2	2.33	7	10	<10	<0.5	<2	1.69	<0.5	27	78	114	4.20
C165922		2.09	0.158	0.2	2.63	4	<10	<10	<0.5	2	3.85	<0.5	28	105	110	4.78
C165923		2.08	0.051	0.2	2.37	5	<10	10	<0.5	<2	1.41	<0.5	27	83	104	4.32
C165924		2.66	0.019	<0.2	2.46	4	<10	<10	<0.5	<2	2.09	<0.5	28	94	120	4.34
C165925		2.79	0.146	<0.2	2.42	12	<10	<10	<0.5	<2	3.25	<0.5	27	94	214	4.41
C165926		2.82	0.019	<0.2	2.98	24	20	<10	<0.5	<2	2.39	<0.5	37	132	262	5.02



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
C165903		10	<1	0.01	<10	2.07	723	<1	0.03	57	260	<2	0.16	<2	4	44
C165904		<10	<1	0.01	<10	2.15	805	1	0.03	61	250	<2	0.81	<2	4	41
C165905		<10	<1	0.01	<10	1.80	680	<1	0.02	57	250	<2	0.08	<2	3	38
C165906		<10	<1	0.01	<10	2.14	751	<1	0.03	61	260	<2	0.16	<2	3	40
C165907		10	<1	0.02	<10	2.03	714	<1	0.03	58	280	<2	0.08	<2	3	38
C165908		10	<1	0.02	<10	1.89	681	<1	0.03	54	270	<2	0.01	<2	4	60
C165909		<10	<1	0.06	10	1.13	449	<1	0.07	16	1650	3	0.16	<2	3	118
C165910		10	<1	0.75	<10	3.13	1370	<1	0.12	115	370	16	0.59	43	14	116
C165911		10	<1	0.06	10	1.41	525	<1	0.07	23	1540	3	0.08	<2	3	117
C165912		10	<1	0.05	10	1.24	453	<1	0.06	18	1650	2	0.16	<2	3	111
C165913		<10	<1	0.01	<10	1.96	703	<1	0.03	56	280	<2	0.14	<2	3	41
C165914		<10	<1	0.01	<10	2.25	748	<1	0.03	61	270	<2	0.04	<2	3	29
C165915		<10	<1	0.01	<10	2.10	732	<1	0.03	61	250	<2	0.17	<2	4	36
C165916		10	<1	0.01	<10	2.32	841	<1	0.02	75	380	2	0.89	<2	3	32
C165917		<10	<1	0.01	<10	2.33	738	<1	0.03	61	260	<2	0.15	<2	4	25
C165918		<10	<1	0.01	<10	1.87	598	<1	0.02	57	230	<2	0.16	<2	3	36
C165919		10	<1	0.01	<10	2.08	621	1	0.03	61	270	8	0.25	<2	4	28
C165920		<10	<1	0.01	10	0.01	10	1	<0.01	<1	30	<2	0.01	<2	<1	2
C165921		<10	<1	0.01	<10	1.87	582	1	0.03	57	250	<2	0.16	<2	3	30
C165922		10	<1	0.01	<10	2.09	738	3	0.03	61	240	<2	0.36	<2	5	34
C165923		10	<1	0.03	<10	1.89	645	<1	0.03	58	250	<2	0.17	<2	3	24
C165924		10	<1	0.01	<10	2.01	667	<1	0.03	57	250	<2	0.09	<2	4	32
C165925		10	<1	0.01	<10	2.02	641	1	0.04	59	260	9	0.45	<2	4	30
C165926		10	<1	0.01	<10	2.50	672	1	0.03	75	260	<2	0.19	<2	4	27



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Project: CREE LAKE

CERTIFICATE OF ANALYSIS TM09075942

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G0782367		<20	0.16	<10	<10	69	<10	24
G0782368		<20	0.18	<10	<10	75	<10	28
G0782369		<20	0.21	<10	<10	76	<10	28
G0782370		<20	0.10	<10	<10	159	20	67
G0782371		<20	0.20	<10	<10	81	<10	29
G0782372		<20	0.21	<10	<10	71	<10	28



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Finalized Date: 21-AUG-2009
This copy reported on 24-AUG-2009
Account: MANTMN

CERTIFICATE TM09075942

Project: CREE LAKE

P.O. No.:

This report is for 246 Drill Core samples submitted to our lab in Timmins, ON, Canada on 24-JUL-2009.

The following have access to data associated with this certificate:

WALTER HANYCH

ROBIN ROSS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
BAG-01	Bulk Master for Storage
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA23	Au 30g FA-AA finish	AAS

To: MANTIS MINERAL CORP
ATTN: WALTER HANYCH
8 KING STREET EAST
SUITE 1500
TORONTO ON M5C 1B5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Finalized Date: 21-AUG-2009
Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS TM09075942

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G0782127		1.02	0.194	0.2	5.03	4	<10	10	<0.5	<2	6.18	<0.5	45	216	520	8.26
G0782128		1.31	0.104	0.2	4.74	4	<10	10	<0.5	<2	5.66	<0.5	38	207	682	7.65
G0782129		1.47	0.290	<0.2	4.47	3	<10	10	<0.5	<2	5.59	<0.5	39	190	401	7.51
G0782130		0.05	1.050	0.3	4.37	1380	<10	110	<0.5	<2	6.32	<0.5	23	232	108	5.03
G0782131		1.94	0.011	0.2	1.79	7	<10	40	<0.5	<2	4.78	<0.5	16	22	59	2.96
G0782132		1.59	0.031	<0.2	1.77	19	<10	50	<0.5	<2	3.87	<0.5	14	16	19	2.95
G0782133		1.67	0.038	0.2	1.82	22	<10	50	<0.5	<2	4.10	<0.5	20	14	51	3.04
G0782134		1.84	0.054	<0.2	3.95	5	<10	20	<0.5	<2	4.98	<0.5	31	148	228	6.13
G0782135		1.62	0.335	<0.2	1.89	18	<10	50	<0.5	<2	3.44	<0.5	15	16	46	3.05
G0782136		1.51	0.005	<0.2	1.90	6	<10	70	<0.5	<2	4.60	<0.5	13	15	17	2.92
G0782137		1.89	0.062	0.3	4.42	2	<10	10	<0.5	<2	6.56	<0.5	35	191	346	6.82
G0782138		2.12	0.131	0.2	5.05	4	<10	20	<0.5	<2	5.05	<0.5	37	191	614	7.23
G0782139		1.63	<0.005	<0.2	3.34	3	<10	50	<0.5	<2	4.86	<0.5	20	103	39	4.75
G0782140		0.05	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.13	<0.5	<1	1	2	0.03
G0782141		2.00	<0.005	<0.2	3.48	4	<10	30	<0.5	<2	4.76	<0.5	20	114	75	4.86
G0782142		1.80	0.047	<0.2	5.06	3	<10	<10	<0.5	<2	5.36	<0.5	36	211	232	7.27
G0782143		1.75	0.059	<0.2	4.55	3	<10	<10	<0.5	<2	5.55	<0.5	35	196	276	6.73
G0782144		2.44	0.045	<0.2	3.48	2	<10	10	<0.5	<2	3.36	<0.5	26	150	167	5.18
G0782145		2.27	0.025	<0.2	2.65	2	<10	10	<0.5	<2	2.67	<0.5	18	106	5	3.87
G0782146		2.06	0.017	<0.2	2.62	3	<10	10	<0.5	<2	2.80	<0.5	19	102	64	3.91
G0782147		2.36	0.085	<0.2	4.59	2	<10	<10	<0.5	<2	5.05	<0.5	35	216	211	6.85
G0782148		2.69	0.059	0.3	5.03	4	<10	<10	<0.5	2	5.08	<0.5	39	216	187	7.73
G0782149		2.34	0.054	0.4	5.05	2	<10	<10	<0.5	<2	5.78	<0.5	42	209	330	7.68
G0782150		0.07	3.43	4.2	1.48	267	<10	500	<0.5	<2	1.26	1.5	9	53	77	3.38
G0782151		1.32	0.025	0.3	4.84	4	<10	<10	<0.5	2	5.57	<0.5	37	217	42	7.28
G0782152		2.86	0.028	0.3	2.22	4	<10	10	<0.5	<2	6.07	<0.5	19	73	57	3.46
G0782153		2.12	0.015	0.3	2.24	6	<10	100	<0.5	<2	6.19	<0.5	18	66	81	3.34
G0782154		2.54	0.058	0.2	2.36	5	<10	20	<0.5	<2	5.88	<0.5	23	106	50	3.51
G0782155		2.69	<0.005	0.2	2.75	<2	<10	20	<0.5	<2	4.60	<0.5	20	168	7	3.86
G0782156		2.40	0.171	0.2	2.33	3	<10	30	<0.5	2	4.29	<0.5	20	63	27	3.60
G0782157		2.57	0.243	0.2	2.80	4	<10	20	<0.5	<2	4.36	<0.5	22	179	13	3.91
G0782158		1.79	0.017	<0.2	3.13	3	<10	20	<0.5	<2	3.21	<0.5	23	255	1	4.02
G0782159		2.74	0.091	0.2	2.54	4	<10	20	<0.5	<2	3.34	<0.5	21	78	23	3.61
G0782160		0.05	1.005	0.7	4.53	1320	<10	100	<0.5	<2	6.20	<0.5	24	226	107	5.09
G0782161		0.87	0.260	0.2	1.63	12	<10	30	<0.5	<2	4.32	<0.5	10	9	6	2.15
G0782162		2.25	0.175	0.2	1.80	6	<10	20	<0.5	<2	3.39	<0.5	12	8	9	2.40
G0782163		2.47	0.029	0.2	1.76	8	<10	20	<0.5	<2	3.53	<0.5	13	24	93	2.42
G0782164		2.24	0.038	0.5	3.33	14	<10	<10	<0.5	<2	3.81	<0.5	33	136	359	5.22
G0782165		1.40	0.018	0.4	2.46	10	<10	<10	<0.5	<2	3.50	<0.5	20	90	159	3.97
G0782166		2.49	0.041	0.2	2.34	7	<10	10	<0.5	<2	2.70	<0.5	18	83	152	3.64



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Finalized Date: 21-AUG-2009
Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS TM09075942

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
G0782127		10	1	<0.01	<10	3.85	1095	19	0.03	82	260	2	0.54	<2	32	156
G0782128		10	<1	0.02	<10	3.57	1055	1	0.03	77	250	2	0.29	<2	29	150
G0782129		10	<1	0.06	<10	3.15	975	3	0.03	78	250	2	0.35	<2	25	144
G0782130		10	<1	0.73	<10	2.98	1320	<1	0.12	111	350	16	0.59	42	14	110
G0782131		<10	<1	0.25	10	0.88	552	<1	0.02	28	510	<2	0.28	<2	2	104
G0782132		<10	<1	0.26	10	0.93	476	<1	0.03	27	540	<2	0.36	<2	2	82
G0782133		<10	1	0.23	10	1.05	533	<1	0.04	26	520	2	0.51	<2	2	92
G0782134		10	<1	0.09	<10	2.98	869	<1	0.03	62	370	<2	0.13	2	20	111
G0782135		10	<1	0.23	10	1.12	482	<1	0.04	26	540	3	0.36	<2	2	73
G0782136		<10	<1	0.22	10	1.14	561	<1	0.04	25	520	<2	0.22	<2	2	105
G0782137		10	1	0.04	<10	3.40	1075	<1	0.03	75	280	3	0.12	<2	24	152
G0782138		10	1	0.05	10	3.72	1025	<1	0.04	74	410	5	0.11	<2	23	130
G0782139		10	1	0.02	30	2.63	834	<1	0.08	24	1570	2	0.04	<2	12	141
G0782140		<10	1	0.01	10	0.01	10	<1	<0.01	<1	30	<2	<0.01	<2	<1	<1
G0782141		10	1	0.01	20	2.76	806	<1	0.08	28	1500	3	0.02	<2	13	115
G0782142		10	<1	<0.01	<10	3.98	996	<1	0.04	75	280	2	0.02	2	29	99
G0782143		10	1	<0.01	<10	3.50	931	1	0.05	74	300	2	0.03	<2	25	98
G0782144		10	1	0.01	10	2.73	643	1	0.09	79	520	<2	0.02	2	14	54
G0782145		10	1	0.03	10	2.03	483	<1	0.10	68	620	<2	0.01	2	7	40
G0782146		10	1	0.01	10	1.95	490	<1	0.12	65	600	<2	0.01	<2	7	41
G0782147		10	1	<0.01	<10	3.47	868	1	0.05	81	290	2	0.03	<2	25	60
G0782148		10	<1	<0.01	<10	3.89	909	<1	0.04	86	260	6	0.02	<2	22	57
G0782149		10	<1	0.01	<10	3.88	937	<1	0.03	83	250	7	0.09	<2	33	63
G0782150		<10	5	0.13	10	0.78	437	12	0.06	39	730	282	0.67	27	4	35
G0782151		10	<1	0.01	<10	3.78	889	<1	0.04	83	290	8	0.05	<2	32	58
G0782152		10	1	0.10	10	1.46	570	<1	0.08	47	480	4	0.36	<2	4	67
G0782153		<10	<1	0.19	10	1.31	543	<1	0.04	63	470	4	0.26	<2	2	68
G0782154		10	<1	0.19	10	1.40	495	<1	0.04	74	400	3	0.19	<2	3	55
G0782155		<10	<1	0.25	10	1.68	460	<1	0.03	118	490	3	0.02	<2	3	38
G0782156		<10	<1	0.27	10	1.18	393	<1	0.02	58	440	3	0.32	<2	2	34
G0782157		10	<1	0.19	10	1.92	447	<1	0.05	80	420	4	0.09	<2	5	34
G0782158		10	<1	0.11	10	2.65	458	<1	0.06	114	480	5	0.02	<2	6	27
G0782159		10	<1	0.14	10	1.73	417	<1	0.08	63	580	3	0.04	<2	4	28
G0782160		10	<1	0.71	<10	2.97	1305	<1	0.12	113	340	23	0.63	46	14	112
G0782161		<10	<1	0.23	10	0.80	342	<1	0.06	19	440	3	0.09	<2	2	39
G0782162		<10	<1	0.23	10	0.91	341	<1	0.07	18	480	2	0.07	<2	2	26
G0782163		10	<1	0.18	10	0.94	350	<1	0.09	29	490	2	0.07	<2	3	28
G0782164		10	<1	0.08	10	2.36	652	<1	0.07	76	480	10	0.30	<2	13	30
G0782165		10	1	0.05	10	1.77	540	<1	0.10	69	570	20	0.18	<2	8	29
G0782166		10	<1	0.09	10	1.74	482	<1	0.09	66	610	3	0.11	<2	6	25



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CERTIFICATE OF ANALYSIS TM09075942

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G0782127		<20	0.01	<10	<10	247	<10	51
G0782128		<20	0.01	<10	<10	221	<10	50
G0782129		<20	0.01	<10	<10	191	<10	56
G0782130		<20	0.09	<10	<10	156	20	64
G0782131		<20	<0.01	<10	<10	19	<10	26
G0782132		<20	<0.01	<10	<10	15	<10	30
G0782133		<20	<0.01	<10	<10	17	<10	30
G0782134		<20	0.01	<10	<10	150	<10	75
G0782135		<20	<0.01	<10	<10	19	<10	28
G0782136		<20	<0.01	<10	<10	19	<10	26
G0782137		<20	0.03	<10	<10	188	<10	64
G0782138		<20	0.10	<10	<10	197	<10	72
G0782139		<20	0.10	<10	<10	117	<10	49
G0782140		<20	<0.01	<10	<10	<1	<10	<2
G0782141		<20	0.17	<10	<10	125	<10	50
G0782142		<20	0.28	<10	<10	233	<10	63
G0782143		<20	0.27	<10	<10	213	<10	49
G0782144		<20	0.23	<10	<10	132	<10	33
G0782145		<20	0.19	<10	<10	72	<10	25
G0782146		<20	0.20	<10	<10	75	<10	23
G0782147		<20	0.26	<10	<10	220	<10	39
G0782148		<20	0.29	<10	<10	236	<10	47
G0782149		<20	0.25	<10	<10	229	<10	42
G0782150		<20	0.09	<10	<10	58	<10	265
G0782151		<20	0.22	<10	<10	225	<10	45
G0782152		<20	0.07	<10	<10	41	<10	22
G0782153		<20	0.08	<10	<10	24	<10	21
G0782154		<20	0.08	<10	<10	25	<10	25
G0782155		<20	0.11	<10	<10	27	<10	34
G0782156		<20	0.07	<10	<10	20	<10	30
G0782157		<20	0.10	<10	<10	41	<10	36
G0782158		<20	0.14	<10	<10	54	<10	35
G0782159		<20	0.14	<10	<10	43	<10	24
G0782160		<20	0.09	<10	<10	152	10	62
G0782161		<20	0.07	<10	<10	19	<10	14
G0782162		<20	0.07	<10	<10	23	<10	17
G0782163		<20	0.08	<10	<10	28	<10	16
G0782164		<20	0.16	<10	<10	114	<10	35
G0782165		<20	0.13	<10	<10	69	<10	27
G0782166		<20	0.14	<10	<10	56	<10	27



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8 KING STREET EAST
SUITE 1500
TORONTO ON M5C 1B5

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Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS TM09075942

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G0782167		2.49	0.039	0.2	2.66	5	<10	<10	<0.5	<2	2.39	<0.5	20	97	154	4.03
G0782168		2.09	0.034	0.3	2.38	3	<10	10	<0.5	<2	2.41	<0.5	20	90	189	3.82
G0782169		0.97	0.158	1.1	4.00	2	<10	<10	<0.5	<2	5.42	<0.5	33	180	963	6.39
G0782170		0.05	<0.005	<0.2	0.03	2	<10	<10	<0.5	<2	0.13	<0.5	<1	2	6	0.03
G0782171		1.63	0.388	0.3	2.36	6	<10	10	<0.5	<2	3.24	<0.5	19	82	103	3.89
G0782172		1.53	0.061	0.4	4.63	5	<10	<10	<0.5	<2	4.86	<0.5	37	208	268	7.23
G0782173		2.50	0.134	0.3	2.93	8	<10	<10	<0.5	<2	4.03	<0.5	24	175	24	4.45
G0782174		2.25	0.006	0.2	3.05	4	<10	10	0.5	<2	4.12	<0.5	24	296	32	3.95
G0782175		2.21	<0.005	0.2	4.05	3	<10	40	0.6	<2	5.92	<0.5	28	519	27	4.02
G0782176		2.12	<0.005	<0.2	4.22	5	<10	<10	0.5	<2	5.48	<0.5	31	553	52	4.61
G0782177		2.25	0.047	0.4	3.69	9	<10	<10	<0.5	3	6.94	<0.5	33	213	240	5.94
G0782178		2.60	0.068	0.6	4.29	5	<10	<10	<0.5	<2	5.29	<0.5	37	209	283	7.25
G0782179		2.72	0.043	0.4	3.47	2	<10	10	<0.5	<2	4.32	<0.5	35	179	300	5.96
G0782180		0.06	3.53	3.9	1.44	264	<10	470	<0.5	<2	1.22	1.6	9	52	74	3.30
G0782181		2.49	0.051	0.4	4.02	3	<10	<10	<0.5	<2	5.76	<0.5	36	203	300	6.71
G0782182		2.51	0.070	0.4	4.20	3	<10	<10	<0.5	2	5.10	<0.5	38	201	312	7.07
G0782183		1.72	0.166	0.6	4.26	9	<10	<10	<0.5	2	5.92	<0.5	40	185	384	7.23
G0782184		1.84	0.145	<0.2	4.76	4	<10	<10	<0.5	<2	6.23	<0.5	37	214	606	7.51
G0782185		2.69	0.009	<0.2	3.23	<2	<10	<10	<0.5	<2	3.57	<0.5	25	199	9	4.65
G0782186		2.63	0.041	0.2	2.70	3	<10	10	<0.5	<2	4.07	<0.5	23	123	139	3.95
G0782187		1.56	<0.005	<0.2	4.68	<2	<10	<10	0.6	<2	7.00	<0.5	33	568	8	4.72
G0782188		1.34	0.007	<0.2	4.52	<2	<10	10	0.6	<2	5.54	<0.5	31	527	15	4.76
G0782189		2.54	0.021	<0.2	2.34	2	<10	30	<0.5	<2	4.39	<0.5	22	88	86	3.53
G0782190		0.05	1.120	<0.2	4.53	1380	<10	100	<0.5	<2	6.68	<0.5	24	238	106	5.25
G0782191		1.82	0.093	<0.2	2.06	14	<10	30	<0.5	<2	3.95	<0.5	22	68	172	3.23
G0782192		2.46	0.007	<0.2	2.19	<2	<10	30	<0.5	<2	4.82	<0.5	20	86	24	3.26
G0782193		1.12	0.005	<0.2	2.18	<2	<10	30	<0.5	<2	4.15	<0.5	17	79	10	3.20
G0782194		1.76	0.052	<0.2	1.92	<2	<10	210	<0.5	<2	4.67	<0.5	17	67	33	3.03
G0782195		1.86	0.498	0.4	2.17	7	<10	30	<0.5	<2	5.03	<0.5	19	75	112	3.51
G0782196		2.46	0.115	<0.2	3.60	<2	<10	10	<0.5	<2	4.66	<0.5	26	156	114	5.51
G0782197		2.07	0.029	<0.2	4.80	<2	<10	<10	<0.5	<2	5.91	<0.5	45	230	175	8.23
G0782198		2.56	0.027	<0.2	4.73	2	<10	<10	<0.5	<2	6.44	<0.5	39	233	288	8.21
G0782199		2.58	0.041	<0.2	4.95	3	<10	<10	<0.5	<2	5.46	<0.5	41	241	245	8.05
G0782200		0.05	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.14	<0.5	<1	3	3	0.04
G0782201		1.62	0.072	<0.2	4.89	6	<10	<10	<0.5	<2	6.13	<0.5	40	224	147	7.96
G0782202		1.77	0.029	<0.2	5.03	2	<10	<10	<0.5	<2	5.58	<0.5	39	226	206	7.93
G0782203		0.81	0.074	<0.2	4.69	4	<10	10	<0.5	<2	6.85	<0.5	39	200	351	7.87
G0782204		1.93	<0.005	<0.2	1.88	4	<10	30	<0.5	<2	4.47	<0.5	14	21	40	2.95
G0782205		1.40	0.025	<0.2	1.77	5	<10	20	<0.5	<2	7.25	<0.5	16	33	55	2.80
G0782206		1.77	<0.005	<0.2	2.71	<2	<10	20	<0.5	<2	5.74	<0.5	21	153	43	3.60



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Project: CREE LAKE

CERTIFICATE OF ANALYSIS TM09075942

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
G0782167		10	1	0.04	10	2.19	515	<1	0.09	71	600	3	0.09	<2	8	22
G0782168		10	<1	0.06	10	1.83	488	<1	0.11	70	600	3	0.12	<2	7	24
G0782169		10	1	0.03	<10	3.03	898	<1	0.05	80	380	8	0.20	<2	22	52
G0782170		<10	<1	0.01	10	0.01	11	<1	<0.01	<1	30	<2	0.01	<2	<1	2
G0782171		10	<1	0.06	10	1.69	539	<1	0.10	66	560	6	0.11	<2	7	32
G0782172		10	<1	0.01	<10	3.74	963	<1	0.05	85	310	7	0.12	<2	28	46
G0782173		10	1	0.02	10	2.43	619	<1	0.10	95	450	7	0.09	<2	13	41
G0782174		10	1	0.03	10	3.32	625	<1	0.07	119	860	7	0.06	<2	9	67
G0782175		10	1	0.01	20	5.33	775	<1	0.02	193	1160	11	0.01	<2	10	126
G0782176		10	<1	<0.01	20	5.09	830	<1	0.02	196	1200	18	0.01	<2	11	117
G0782177		10	<1	<0.01	<10	3.09	899	<1	0.07	78	250	10	0.23	<2	30	118
G0782178		10	<1	<0.01	<10	3.69	913	<1	0.05	79	250	7	0.33	<2	24	104
G0782179		10	<1	<0.01	<10	3.02	759	<1	0.05	72	230	12	0.06	<2	16	162
G0782180		<10	4	0.13	10	0.76	427	12	0.06	39	710	279	0.66	26	4	33
G0782181		10	1	<0.01	<10	3.57	893	1	0.05	79	250	8	0.30	<2	21	110
G0782182		10	<1	<0.01	<10	3.51	841	<1	0.05	88	240	7	0.25	<2	23	113
G0782183		10	<1	<0.01	<10	3.40	906	<1	0.05	82	230	8	0.28	<2	28	121
G0782184		10	<1	<0.01	<10	4.04	940	<1	0.04	80	260	10	0.10	<2	37	97
G0782185		10	<1	0.02	10	3.00	572	<1	0.07	109	540	2	<0.01	<2	13	51
G0782186		10	<1	0.08	10	2.26	513	<1	0.07	85	590	3	0.04	<2	7	89
G0782187		10	<1	<0.01	20	5.55	905	<1	0.02	219	1310	6	<0.01	<2	13	264
G0782188		10	1	0.01	20	5.31	768	<1	0.02	186	1340	3	<0.01	<2	13	206
G0782189		10	<1	0.15	10	1.76	483	<1	0.06	72	640	<2	0.04	<2	4	107
G0782190		10	<1	0.73	<10	3.10	1375	<1	0.13	113	370	18	0.64	48	14	113
G0782191		10	<1	0.16	10	1.42	430	1	0.05	61	620	<2	0.11	2	3	87
G0782192		10	<1	0.18	10	1.52	497	<1	0.05	70	580	<2	0.10	<2	2	111
G0782193		10	<1	0.19	10	1.47	527	<1	0.04	65	600	<2	<0.01	2	2	69
G0782194		10	<1	0.25	10	1.08	471	<1	0.04	67	590	<2	0.10	<2	2	89
G0782195		10	<1	0.20	10	1.36	491	<1	0.04	72	630	<2	0.29	<2	2	91
G0782196		10	<1	0.08	10	2.95	744	<1	0.05	78	450	<2	0.05	<2	16	65
G0782197		10	<1	0.01	<10	3.83	972	<1	0.05	84	280	2	0.18	<2	37	86
G0782198		10	<1	<0.01	<10	3.54	978	<1	0.05	85	280	2	0.16	<2	38	83
G0782199		10	<1	<0.01	<10	4.03	941	<1	0.04	90	280	<2	0.15	<2	36	66
G0782200		<10	<1	0.01	10	0.02	10	<1	<0.01	1	30	<2	<0.01	2	<1	2
G0782201		10	<1	0.01	<10	3.97	1075	<1	0.04	85	280	5	0.40	<2	34	82
G0782202		10	<1	0.01	<10	4.17	982	<1	0.04	81	280	<2	0.06	<2	36	76
G0782203		10	<1	0.09	<10	3.20	995	<1	0.03	80	270	2	0.13	<2	19	83
G0782204		<10	<1	0.30	10	0.91	495	<1	0.02	26	610	<2	0.20	<2	2	48
G0782205		<10	<1	0.27	10	0.95	611	<1	0.01	43	450	<2	0.56	<2	2	92
G0782206		10	<1	0.24	10	1.89	626	<1	0.03	91	500	<2	0.06	<2	2	72



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Project: CREE LAKE

CERTIFICATE OF ANALYSIS	TM09075942
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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G0782167		<20	0.16	<10	<10	67	<10	30
G0782168		<20	0.15	<10	<10	63	<10	25
G0782169		<20	0.21	<10	<10	179	<10	46
G0782170		<20	<0.01	<10	<10	1	<10	<2
G0782171		<20	0.11	<10	<10	61	<10	27
G0782172		<20	0.23	<10	<10	218	<10	52
G0782173		<20	0.14	<10	<10	109	<10	34
G0782174		<20	0.13	<10	<10	77	<10	51
G0782175		<20	0.15	<10	<10	83	<10	85
G0782176		<20	0.10	<10	<10	100	<10	132
G0782177		<20	0.17	<10	<10	227	<10	76
G0782178		<20	0.25	<10	<10	220	<10	51
G0782179		<20	0.25	<10	<10	166	<10	36
G0782180		<20	0.09	<10	<10	57	<10	254
G0782181		<20	0.23	<10	<10	205	<10	42
G0782182		<20	0.23	<10	<10	205	<10	39
G0782183		<20	0.22	<10	<10	206	<10	43
G0782184		<20	0.26	<10	<10	244	<10	55
G0782185		<20	0.15	<10	<10	100	<10	40
G0782186		<20	0.04	<10	<10	59	<10	33
G0782187		<20	0.01	<10	<10	97	<10	62
G0782188		<20	0.01	<10	<10	100	<10	61
G0782189		<20	0.01	<10	<10	38	<10	26
G0782190		<20	0.09	<10	<10	158	10	64
G0782191		<20	0.01	<10	<10	31	<10	27
G0782192		<20	0.01	<10	<10	26	<10	26
G0782193		<20	<0.01	<10	<10	25	<10	31
G0782194		<20	<0.01	<10	<10	20	<10	26
G0782195		<20	<0.01	<10	<10	26	<10	28
G0782196		<20	0.03	<10	<10	126	<10	41
G0782197		<20	0.23	<10	<10	255	<10	45
G0782198		<20	0.23	<10	<10	256	<10	46
G0782199		<20	0.22	<10	<10	264	<10	70
G0782200		<20	<0.01	<10	<10	2	<10	<2
G0782201		<20	0.24	<10	<10	243	<10	96
G0782202		<20	0.29	<10	<10	249	<10	76
G0782203		<20	0.18	<10	<10	183	<10	71
G0782204		<20	0.01	<10	<10	18	<10	24
G0782205		<20	<0.01	<10	<10	15	<10	23
G0782206		<20	<0.01	<10	<10	27	<10	36



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CERTIFICATE OF ANALYSIS TM09075942

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G0782207		2.55	<0.005	<0.2	3.23	<2	<10	20	<0.5	<2	5.65	<0.5	23	180	15	4.08
G0782208		2.75	<0.005	<0.2	3.13	<2	<10	20	<0.5	<2	5.63	<0.5	22	150	2	3.92
G0782209		1.08	0.005	<0.2	1.87	2	<10	50	<0.5	<2	10.10	<0.5	14	81	3	2.20
G0782210		0.06	3.35	3.7	1.50	278	<10	460	<0.5	<2	1.34	1.5	9	55	73	3.41
G0782211		2.60	0.007	<0.2	2.86	2	<10	30	<0.5	<2	6.21	<0.5	27	146	16	3.79
G0782212		2.30	<0.005	<0.2	2.48	2	<10	40	<0.5	<2	6.22	<0.5	19	139	12	3.38
G0782213		1.10	<0.005	<0.2	2.78	<2	<10	30	<0.5	<2	4.11	<0.5	18	160	<1	4.06
G0782214		1.66	0.073	<0.2	1.98	<2	<10	30	<0.5	<2	3.57	<0.5	18	63	44	3.00
G0782215		1.88	0.188	<0.2	2.29	2	<10	20	<0.5	<2	2.80	<0.5	18	84	29	3.65
G0782216		2.33	0.061	<0.2	4.75	3	<10	<10	<0.5	<2	6.23	<0.5	41	222	163	7.93
G0782217		2.12	0.146	<0.2	4.30	18	<10	<10	<0.5	<2	6.64	<0.5	44	215	154	7.64
G0782218		2.33	0.038	<0.2	4.55	4	<10	<10	<0.5	<2	6.18	<0.5	40	222	143	7.90
G0782219		2.21	0.030	<0.2	4.16	4	<10	<10	<0.5	<2	6.07	<0.5	38	216	127	7.39
G0782220		0.05	1.060	0.3	4.50	1430	<10	110	<0.5	<2	6.30	<0.5	23	234	111	5.32
G0782221		2.45	0.054	0.2	4.47	7	<10	<10	<0.5	<2	5.41	<0.5	44	213	106	7.89
G0782222		2.60	0.059	0.2	4.30	6	<10	<10	<0.5	<2	5.87	<0.5	40	198	157	7.24
G0782223		2.85	0.013	<0.2	3.93	2	<10	<10	<0.5	<2	5.30	<0.5	39	206	124	7.20
G0782224		1.73	0.019	<0.2	3.91	5	<10	10	<0.5	<2	4.01	<0.5	41	192	53	6.60
G0782225		1.73	0.013	<0.2	3.80	5	<10	40	<0.5	<2	4.07	<0.5	37	183	138	6.31
G0782226		2.59	<0.005	<0.2	3.30	4	<10	10	<0.5	<2	5.47	<0.5	24	519	25	3.98
G0782227		2.43	<0.005	<0.2	2.52	3	<10	<10	<0.5	<2	4.81	<0.5	21	484	77	3.36
G0782228		2.67	0.052	0.4	3.35	8	<10	<10	<0.5	<2	4.09	<0.5	32	167	196	5.74
G0782229		2.43	0.013	0.3	3.32	13	<10	<10	<0.5	<2	2.99	<0.5	34	158	426	5.81
G0782230		0.06	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.13	<0.5	<1	2	3	0.04
G0782231		2.52	0.045	0.3	2.85	11	<10	<10	<0.5	<2	2.31	<0.5	29	142	299	5.14
G0782232		2.09	0.066	0.3	2.62	13	<10	<10	<0.5	<2	3.04	<0.5	27	123	195	4.46
G0782233		1.75	0.023	0.2	2.76	9	<10	<10	<0.5	<2	1.72	<0.5	28	134	146	4.91
G0782234		0.74	0.232	0.3	3.64	11	<10	10	<0.5	<2	6.39	<0.5	36	167	121	6.40
G0782235		2.61	0.020	0.2	2.62	20	<10	<10	<0.5	<2	1.97	<0.5	28	135	142	4.66
G0782236		2.44	0.030	0.3	2.35	22	<10	<10	<0.5	<2	1.33	<0.5	27	119	257	4.43
G0782237		2.82	0.053	0.3	3.03	18	<10	<10	<0.5	<2	2.98	<0.5	34	159	345	5.65
G0782238		2.79	0.027	0.2	1.99	23	<10	<10	<0.5	<2	1.41	<0.5	26	97	359	3.58
G0782239		2.93	0.025	0.2	2.92	28	<10	<10	<0.5	<2	2.31	<0.5	32	132	119	4.86
G0782240		0.07	3.51	3.8	1.43	276	<10	470	<0.5	<2	1.24	1.5	9	51	76	3.27
G0782241		2.69	0.016	<0.2	2.47	19	<10	<10	<0.5	<2	1.83	<0.5	27	114	120	4.27
G0782242		2.51	0.010	0.3	2.50	21	<10	<10	<0.5	<2	2.65	<0.5	25	118	98	4.36
G0782243		1.65	0.067	0.2	2.68	26	<10	<10	<0.5	<2	2.35	<0.5	28	120	200	4.87
G0782244		1.81	0.083	0.2	3.37	25	<10	<10	<0.5	<2	3.97	<0.5	34	148	162	5.85
G0782245		2.14	0.098	0.5	3.66	15	<10	10	<0.5	<2	4.08	<0.5	35	143	278	6.22
G0782246		1.87	0.025	<0.2	3.04	29	<10	10	<0.5	<2	3.02	<0.5	36	110	175	5.44



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8 KING STREET EAST
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Project: CREE LAKE

CERTIFICATE OF ANALYSIS TM09075942

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
G0782207		10	<1	0.21	10	2.55	679	<1	0.02	109	470	<2	0.08	<2	3	73
G0782208		10	<1	0.24	10	2.46	645	<1	0.02	105	510	<2	0.16	<2	3	70
G0782209		<10	<1	0.21	10	1.34	945	<1	0.02	67	440	2	0.06	<2	2	216
G0782210		<10	4	0.14	10	0.81	456	12	0.07	39	780	288	0.69	30	4	35
G0782211		10	<1	0.22	10	2.14	717	<1	0.02	99	490	2	0.12	<2	3	95
G0782212		10	<1	0.22	10	1.80	696	<1	0.03	93	490	<2	0.05	2	2	82
G0782213		10	<1	0.21	10	2.03	606	<1	0.02	112	530	<2	0.02	<2	2	47
G0782214		10	<1	0.21	10	1.25	463	<1	0.05	51	510	<2	0.14	<2	2	38
G0782215		10	<1	0.12	10	1.64	514	<1	0.07	56	580	<2	0.02	<2	6	29
G0782216		10	<1	0.01	<10	3.75	1235	<1	0.04	83	300	2	0.24	<2	38	71
G0782217		10	<1	0.01	<10	3.33	1225	<1	0.05	80	280	3	0.53	<2	37	88
G0782218		10	<1	<0.01	<10	3.61	1245	<1	0.05	80	290	<2	0.06	<2	36	70
G0782219		10	<1	<0.01	<10	3.31	1175	<1	0.05	79	280	2	0.12	<2	31	63
G0782220		10	1	0.73	<10	3.04	1385	1	0.13	116	370	15	0.63	43	14	112
G0782221		10	<1	<0.01	<10	3.76	1265	<1	0.04	81	280	<2	0.15	<2	19	74
G0782222		10	1	<0.01	<10	3.70	1260	1	0.04	79	250	<2	0.27	<2	17	82
G0782223		10	1	<0.01	<10	3.22	1195	1	0.06	78	270	<2	0.41	<2	12	86
G0782224		10	1	<0.01	<10	3.29	1070	<1	0.05	81	270	<2	0.04	<2	9	107
G0782225		10	1	<0.01	<10	3.38	991	<1	0.05	78	270	<2	0.16	<2	8	129
G0782226		10	<1	<0.01	20	4.11	820	<1	0.04	169	1340	<2	0.03	<2	5	75
G0782227		10	<1	<0.01	20	2.94	645	<1	0.05	143	1220	5	0.01	<2	2	68
G0782228		10	<1	<0.01	<10	2.89	855	1	0.06	68	290	2	0.13	<2	9	64
G0782229		10	<1	<0.01	<10	2.65	770	<1	0.05	69	270	<2	0.07	<2	6	75
G0782230		<10	<1	0.01	10	0.01	18	<1	0.01	<1	30	<2	0.01	<2	<1	2
G0782231		<10	<1	<0.01	<10	2.21	676	1	0.06	62	270	<2	0.14	<2	5	56
G0782232		<10	<1	<0.01	<10	1.95	635	<1	0.05	57	260	<2	0.09	<2	4	68
G0782233		<10	<1	0.01	<10	2.17	669	<1	0.06	59	260	<2	0.07	<2	4	47
G0782234		10	<1	<0.01	<10	2.79	964	7	0.03	80	260	<2	0.50	<2	6	75
G0782235		<10	1	0.01	<10	1.94	630	1	0.06	55	260	<2	0.08	<2	5	53
G0782236		<10	<1	0.01	<10	1.77	560	<1	0.06	54	260	<2	0.10	<2	4	41
G0782237		<10	1	0.01	<10	2.30	799	1	0.06	65	270	<2	0.19	<2	9	51
G0782238		<10	<1	0.01	<10	1.42	482	<1	0.06	44	250	<2	0.06	<2	4	39
G0782239		<10	1	0.01	<10	2.10	692	<1	0.05	59	270	<2	0.05	<2	5	63
G0782240		<10	5	0.13	10	0.77	446	12	0.07	38	750	275	0.64	25	4	34
G0782241		<10	<1	0.01	<10	1.86	598	<1	0.06	50	270	2	0.08	<2	4	43
G0782242		<10	<1	0.01	<10	1.86	614	<1	0.06	50	250	2	0.11	<2	4	43
G0782243		<10	<1	0.01	<10	1.98	650	<1	0.05	57	260	<2	0.15	<2	4	34
G0782244		<10	<1	<0.01	<10	2.51	830	1	0.04	68	240	<2	0.27	<2	5	48
G0782245		10	<1	0.01	<10	3.12	954	5	0.06	85	270	<2	0.63	<2	7	29
G0782246		<10	1	0.02	<10	2.47	820	<1	0.06	84	280	<2	0.59	<2	4	30



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Project: CREE LAKE

CERTIFICATE OF ANALYSIS TM09075942

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G0782207		<20	0.01	<10	<10	36	<10	40
G0782208		<20	0.01	<10	<10	32	<10	35
G0782209		<20	<0.01	<10	<10	15	<10	18
G0782210		<20	0.09	<10	<10	60	<10	270
G0782211		<20	0.01	<10	<10	26	<10	34
G0782212		<20	0.03	<10	<10	22	<10	29
G0782213		<20	0.05	<10	<10	25	<10	33
G0782214		<20	0.05	<10	<10	20	<10	21
G0782215		<20	0.13	<10	<10	48	<10	29
G0782216		<20	0.26	<10	<10	245	<10	68
G0782217		<20	0.21	<10	<10	238	<10	59
G0782218		<20	0.25	<10	<10	247	<10	60
G0782219		<20	0.27	<10	<10	236	<10	58
G0782220		<20	0.10	<10	<10	158	20	69
G0782221		<20	0.25	<10	<10	221	<10	65
G0782222		<20	0.21	<10	<10	202	<10	65
G0782223		<20	0.24	<10	<10	193	<10	59
G0782224		<20	0.22	<10	<10	164	<10	56
G0782225		<20	0.28	<10	<10	155	<10	54
G0782226		<20	0.19	<10	<10	82	<10	54
G0782227		<20	0.21	<10	<10	68	<10	39
G0782228		<20	0.24	<10	<10	151	<10	44
G0782229		<20	0.25	<10	<10	125	<10	39
G0782230		<20	<0.01	<10	<10	<1	<10	<2
G0782231		<20	0.26	<10	<10	113	<10	33
G0782232		<20	0.27	<10	<10	94	<10	29
G0782233		<20	0.25	<10	<10	111	<10	33
G0782234		<20	0.17	<10	<10	133	<10	44
G0782235		<20	0.24	<10	<10	103	<10	31
G0782236		<20	0.22	<10	<10	91	<10	28
G0782237		<20	0.25	<10	<10	133	<10	39
G0782238		<20	0.22	<10	<10	76	<10	23
G0782239		<20	0.29	<10	<10	101	<10	33
G0782240		<20	0.09	<10	<10	57	<10	269
G0782241		<20	0.23	<10	<10	87	<10	30
G0782242		<20	0.25	<10	<10	91	<10	29
G0782243		<20	0.23	<10	<10	99	<10	31
G0782244		<20	0.21	<10	<10	116	<10	40
G0782245		<20	0.22	<10	<10	148	<10	46
G0782246		<20	0.19	<10	<10	113	<10	37



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Project: CREE LAKE

CERTIFICATE OF ANALYSIS TM09075942

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G0782247		2.31	0.074	0.2	3.49	21	<10	<10	<0.5	<2	4.69	<0.5	37	144	415	5.90
G0782248		1.95	0.098	0.3	3.53	28	<10	<10	<0.5	<2	3.44	<0.5	35	146	256	5.82
G0782249		2.64	0.130	0.4	2.94	36	<10	<10	<0.5	<2	5.61	<0.5	30	145	493	4.69
G0782250		0.05	1.070	0.3	4.60	1450	<10	110	<0.5	<2	6.25	<0.5	24	237	115	5.28
G0782251		2.82	0.064	0.5	2.77	38	<10	<10	<0.5	<2	3.56	<0.5	27	131	238	4.53
G0782252		0.55	0.067	0.3	3.34	31	<10	<10	<0.5	<2	2.75	<0.5	28	165	331	5.44
G0782253		2.32	0.866	0.7	3.14	43	<10	<10	<0.5	<2	3.10	<0.5	35	140	634	5.62
G0782254		2.46	0.257	0.6	2.38	32	<10	<10	<0.5	<2	2.36	<0.5	27	101	759	4.02
G0782255		2.37	0.035	0.4	2.41	39	<10	<10	<0.5	<2	2.12	<0.5	32	110	314	4.03
G0782256		1.30	0.152	0.3	3.17	33	<10	<10	<0.5	<2	2.33	<0.5	27	131	156	4.95
G0782257		1.03	0.180	0.4	3.21	30	<10	<10	<0.5	<2	2.11	<0.5	27	137	455	5.07
G0782258		1.81	0.246	0.3	4.29	9	<10	10	<0.5	<2	6.39	<0.5	37	196	213	7.21
G0782259		2.37	0.075	0.6	4.49	3	<10	10	<0.5	<2	5.86	<0.5	37	204	198	7.43
G0782260		0.05	0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.14	<0.5	1	3	3	0.04
G0782261		2.27	0.077	0.3	4.24	9	<10	10	<0.5	<2	6.17	<0.5	34	202	158	6.99
G0782262		2.34	0.009	0.2	2.42	9	<10	20	<0.5	<2	3.30	<0.5	21	83	14	3.79
G0782263		2.58	0.036	0.2	2.44	<2	<10	20	<0.5	<2	3.14	<0.5	21	92	10	3.91
G0782264		2.73	0.258	<0.2	2.59	8	<10	10	<0.5	<2	2.88	<0.5	21	99	112	4.34
G0782265		2.02	0.154	0.4	1.85	4	<10	20	<0.5	<2	2.55	<0.5	18	91	220	3.49
G0782266		2.11	0.205	0.3	2.01	7	<10	20	<0.5	<2	3.08	<0.5	18	92	218	3.59
G0782267		2.18	0.622	0.4	1.92	12	<10	20	<0.5	<2	2.77	<0.5	16	84	208	3.45
G0782268		2.23	2.01	0.7	2.18	8	<10	20	<0.5	<2	2.89	1.2	16	132	28	3.40
G0782269		2.41	0.022	<0.2	2.24	6	<10	20	<0.5	<2	2.68	<0.5	17	140	6	3.23
G0782270		0.07	3.26	3.8	1.43	264	<10	430	<0.5	<2	1.28	1.4	8	53	70	3.27
G0782271		1.76	0.016	<0.2	2.24	10	<10	20	<0.5	<2	2.72	<0.5	16	139	8	3.41
G0782272		1.68	0.251	0.2	2.00	12	<10	10	<0.5	<2	3.29	<0.5	18	89	76	3.46
G0782273		2.58	0.172	0.2	4.30	8	<10	<10	<0.5	<2	4.27	<0.5	41	210	355	6.98
G0782274		2.09	0.111	0.3	3.39	8	<10	<10	<0.5	<2	2.54	<0.5	34	152	424	5.33
G0782275		2.15	0.104	0.4	2.80	7	<10	<10	<0.5	<2	2.22	<0.5	30	107	377	4.29
G0782276		1.93	0.057	<0.2	3.31	7	<10	<10	<0.5	<2	2.24	<0.5	35	132	274	5.08
G0782277		1.05	0.115	0.2	4.11	10	<10	<10	<0.5	<2	3.68	<0.5	38	190	295	6.43
G0782278		1.79	0.260	0.4	2.15	7	<10	20	<0.5	<2	3.42	<0.5	22	43	195	4.30
G0782279		2.02	0.036	0.2	2.34	10	<10	20	<0.5	<2	3.93	<0.5	18	58	156	4.62
G0782280		0.05	0.976	0.4	4.41	1365	<10	110	<0.5	<2	6.74	<0.5	23	234	104	5.17
G0782281		2.31	0.018	0.2	1.85	17	<10	20	<0.5	<2	2.50	<0.5	15	17	32	3.62
G0782282		1.25	0.022	0.2	1.68	13	<10	20	<0.5	<2	2.52	<0.5	15	21	50	3.41
G0782283		1.74	0.031	0.3	1.76	17	<10	20	<0.5	<2	3.51	<0.5	22	14	141	3.74
G0782284		1.92	0.740	0.4	4.24	10	<10	<10	<0.5	<2	3.87	<0.5	38	201	409	6.75
G0782285		1.63	0.018	0.2	2.79	16	<10	20	<0.5	<2	4.66	<0.5	22	83	121	4.72
G0782286		1.83	0.025	0.2	2.23	8	<10	20	<0.5	<2	4.14	<0.5	20	61	86	4.28



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CERTIFICATE OF ANALYSIS TM09075942

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
G0782247		10	<1	0.02	<10	3.02	922	<1	0.05	83	270	<2	0.52	<2	10	29
G0782248		<10	<1	0.01	<10	2.93	826	<1	0.04	78	270	<2	0.56	<2	6	35
G0782249		<10	1	0.01	<10	2.34	666	1	0.04	89	240	<2	0.37	<2	4	41
G0782250		10	1	0.76	<10	3.03	1360	<1	0.13	118	370	16	0.63	43	14	116
G0782251		<10	<1	0.01	<10	2.23	621	<1	0.05	64	250	<2	0.34	<2	4	32
G0782252		10	<1	0.01	<10	2.81	717	1	0.09	82	370	3	0.32	<2	6	21
G0782253		10	1	0.01	<10	2.51	711	1	0.06	75	290	3	0.64	<2	5	26
G0782254		<10	<1	0.01	<10	1.86	494	1	0.05	59	270	2	0.32	<2	4	27
G0782255		<10	<1	0.01	<10	1.92	518	1	0.04	66	280	9	0.35	<2	4	27
G0782256		10	1	0.01	<10	2.77	640	1	0.03	65	260	9	0.20	<2	4	25
G0782257		10	<1	0.03	<10	2.99	660	4	0.03	60	270	19	0.25	<2	6	38
G0782258		10	1	0.01	<10	3.43	929	1	0.04	71	270	3	0.25	<2	31	147
G0782259		10	<1	0.01	<10	3.75	917	1	0.03	74	290	<2	0.14	<2	32	111
G0782260		<10	1	0.01	10	0.02	10	<1	<0.01	<1	30	<2	0.01	<2	<1	1
G0782261		10	1	0.04	<10	3.40	849	2	0.03	79	270	2	0.32	<2	27	102
G0782262		<10	1	0.10	10	1.82	438	1	0.05	59	580	2	0.09	<2	4	47
G0782263		10	1	0.10	10	1.90	420	1	0.06	63	600	<2	0.09	<2	5	39
G0782264		10	1	0.06	10	2.00	447	1	0.07	62	590	2	0.13	<2	7	29
G0782265		10	1	0.09	10	1.19	359	1	0.06	51	520	<2	0.20	<2	4	27
G0782266		10	<1	0.10	10	1.34	399	1	0.06	49	540	<2	0.15	<2	5	29
G0782267		10	1	0.12	10	1.28	376	1	0.05	49	500	2	0.28	<2	4	25
G0782268		10	1	0.10	10	1.79	408	1	0.06	60	510	7	0.28	<2	4	28
G0782269		10	1	0.10	10	1.87	410	1	0.05	63	510	2	0.01	<2	4	31
G0782270		<10	5	0.13	<10	0.79	433	12	0.06	36	740	277	0.63	24	4	34
G0782271		10	1	0.09	10	1.86	427	1	0.06	64	520	2	0.08	<2	5	25
G0782272		<10	1	0.06	10	1.55	461	1	0.07	53	540	2	0.24	<2	6	27
G0782273		10	1	<0.01	<10	3.79	949	2	0.04	82	280	2	0.17	<2	8	51
G0782274		10	1	<0.01	<10	2.88	738	1	0.03	70	260	<2	0.10	<2	7	76
G0782275		<10	1	<0.01	<10	2.41	621	1	0.04	55	260	<2	0.12	<2	5	80
G0782276		10	1	<0.01	<10	2.96	743	1	0.03	65	260	<2	0.19	<2	6	84
G0782277		10	1	<0.01	<10	3.79	888	1	0.03	73	260	2	0.14	<2	9	73
G0782278		10	1	0.07	<10	1.52	454	2	0.07	25	410	<2	0.56	<2	6	30
G0782279		10	1	0.10	<10	1.59	469	4	0.06	25	400	<2	0.69	<2	9	29
G0782280		10	1	0.75	<10	3.03	1325	1	0.12	107	360	18	0.60	39	14	112
G0782281		10	1	0.15	10	1.12	348	1	0.06	17	430	2	0.25	<2	4	19
G0782282		10	1	0.14	10	1.03	327	1	0.06	16	450	<2	0.40	<2	4	22
G0782283		10	1	0.12	<10	1.11	389	1	0.05	28	360	2	0.75	<2	5	27
G0782284		10	1	<0.01	10	3.73	946	2	0.03	82	280	<2	0.19	<2	9	82
G0782285		10	1	0.07	<10	2.10	741	1	0.05	43	470	<2	0.29	<2	7	41
G0782286		10	1	0.08	<10	1.62	613	9	0.05	35	490	<2	0.77	<2	5	29



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SUITE 1500
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Project: CREE LAKE

CERTIFICATE OF ANALYSIS TM09075942

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G0782247		<20	0.18	<10	<10	151	<10	42
G0782248		<20	0.21	<10	<10	126	<10	38
G0782249		<20	0.15	<10	<10	105	<10	30
G0782250		<20	0.10	<10	<10	162	20	68
G0782251		<20	0.17	<10	<10	101	<10	29
G0782252		<20	0.16	<10	<10	130	<10	39
G0782253		<20	0.20	<10	<10	125	<10	39
G0782254		<20	0.15	<10	<10	74	<10	29
G0782255		<20	0.16	<10	<10	72	<10	29
G0782256		<20	0.19	<10	<10	97	<10	46
G0782257		<20	0.15	<10	<10	108	<10	48
G0782258		<20	0.02	<10	<10	219	<10	45
G0782259		<20	0.01	<10	<10	218	<10	67
G0782260		<20	<0.01	<10	<10	2	<10	<2
G0782261		<20	0.07	<10	<10	202	<10	61
G0782262		<20	0.12	<10	<10	47	<10	26
G0782263		<20	0.16	<10	<10	50	<10	22
G0782264		<20	0.18	<10	<10	65	<10	26
G0782265		<20	0.13	<10	<10	40	<10	24
G0782266		<20	0.11	<10	<10	42	<10	64
G0782267		<20	0.09	<10	<10	33	<10	134
G0782268		<20	0.13	<10	<10	41	<10	159
G0782269		<20	0.16	<10	<10	44	<10	48
G0782270		<20	0.09	<10	<10	58	<10	258
G0782271		<20	0.14	<10	<10	45	<10	34
G0782272		<20	0.13	<10	<10	63	<10	24
G0782273		<20	0.27	<10	<10	185	<10	49
G0782274		<20	0.27	<10	<10	120	<10	37
G0782275		<20	0.25	<10	<10	93	<10	29
G0782276		<20	0.28	<10	<10	114	<10	35
G0782277		<20	0.27	<10	<10	158	<10	43
G0782278		<20	0.11	<10	<10	68	<10	25
G0782279		<20	0.10	<10	<10	78	<10	30
G0782280		<20	0.09	<10	<10	156	10	63
G0782281		<20	0.08	<10	<10	37	<10	23
G0782282		<20	0.07	<10	<10	38	40	20
G0782283		<20	0.08	<10	<10	45	<10	19
G0782284		<20	0.28	<10	<10	165	<10	46
G0782285		<20	0.19	<10	<10	95	<10	45
G0782286		<20	0.15	<10	<10	78	<10	43



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Project: CREE LAKE

CERTIFICATE OF ANALYSIS TM09075942

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G0782287		1.93	0.062	0.3	3.65	16	<10	<10	<0.5	<2	2.91	<0.5	36	174	237	5.78
G0782288		1.07	0.154	0.6	3.04	16	<10	10	<0.5	<2	3.49	<0.5	38	150	177	5.07
G0782289		1.61	0.126	0.3	3.01	9	<10	10	<0.5	<2	3.27	<0.5	25	135	67	4.77
G0782290		0.06	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.13	<0.5	1	3	2	0.03
G0782291		1.68	0.040	<0.2	1.48	5	<10	10	<0.5	<2	1.80	<0.5	10	13	38	2.50
G0782292		1.69	0.083	<0.2	1.30	6	<10	10	<0.5	<2	2.58	<0.5	9	11	106	2.24
G0782293		1.57	0.352	<0.2	1.49	10	<10	10	<0.5	<2	2.09	<0.5	11	12	79	2.60
G0782294		2.35	0.104	0.3	3.98	12	<10	<10	<0.5	<2	4.58	<0.5	34	188	405	6.40
G0782295		1.84	0.267	0.5	3.43	10	<10	<10	<0.5	<2	3.70	<0.5	36	170	581	5.62
G0782296		1.78	0.127	0.8	3.77	8	<10	<10	<0.5	<2	3.15	<0.5	35	180	459	5.83
G0782297		1.79	0.108	0.2	2.30	5	<10	10	<0.5	<2	2.42	<0.5	18	133	26	3.37
G0782298		2.26	3.05	0.7	2.40	6	<10	20	<0.5	<2	3.29	<0.5	20	115	185	3.66
G0782299		1.96	0.048	0.4	4.39	4	<10	10	<0.5	<2	6.00	<0.5	35	197	203	7.43
G0782300		0.05	3.37	3.9	1.41	264	<10	370	<0.5	<2	1.21	1.4	8	50	72	3.16
G0782301		1.54	0.006	<0.2	3.07	5	<10	20	<0.5	<2	4.81	<0.5	21	118	102	4.88
G0782302		1.31	0.118	0.8	1.76	7	<10	60	<0.5	<2	6.17	<0.5	17	50	27	3.01
G0782303		1.14	6.30	6.3	2.44	124	<10	40	<0.5	8	6.98	<0.5	152	80	554	7.26
G0782304		2.60	0.060	<0.2	2.30	4	<10	20	<0.5	<2	3.13	<0.5	18	105	30	3.50
G0782305		1.40	0.019	<0.2	2.42	2	<10	10	<0.5	<2	2.01	<0.5	16	122	13	3.38
G0782306		1.41	0.095	0.2	2.88	4	<10	10	<0.5	<2	2.56	<0.5	20	174	44	4.16
G0782307		1.61	0.026	0.3	4.35	4	<10	<10	<0.5	<2	4.00	<0.5	38	191	178	6.55
G0782308		1.84	0.036	0.4	4.41	2	<10	<10	<0.5	<2	4.72	<0.5	38	196	214	6.98
G0782309		1.97	0.025	0.5	4.39	3	<10	10	<0.5	<2	4.07	<0.5	37	196	127	6.63
G0782310		0.05	1.050	0.4	4.46	1395	<10	110	<0.5	<2	6.11	<0.5	23	230	110	5.16
G0782311		1.91	0.037	0.5	4.16	9	<10	10	<0.5	<2	4.39	<0.5	36	189	229	6.36
G0782312		2.04	0.043	0.5	4.23	5	<10	<10	<0.5	<2	5.08	<0.5	34	185	245	6.51
G0782313		2.04	0.026	0.2	4.68	4	<10	10	<0.5	<2	6.20	<0.5	33	197	202	7.09
G0782314		1.20	0.048	<0.2	4.84	4	<10	10	<0.5	<2	5.98	<0.5	36	197	160	7.14
G0782315		1.64	0.041	0.3	4.69	5	<10	10	<0.5	<2	5.80	<0.5	35	198	182	6.71
G0782316		2.33	0.034	<0.2	2.57	4	<10	20	<0.5	<2	3.86	<0.5	16	125	34	3.66
G0782317		1.81	0.057	<0.2	1.95	2	<10	40	<0.5	<2	2.95	<0.5	13	39	67	2.77
G0782318		1.70	0.030	<0.2	3.97	2	<10	10	<0.5	<2	4.89	<0.5	28	155	96	5.87
G0782319		1.67	<0.005	<0.2	1.54	2	<10	30	<0.5	<2	3.06	<0.5	8	9	8	2.04
G0782320		0.05	0.036	<0.2	0.02	3	<10	<10	<0.5	<2	0.12	<0.5	<1	2	3	0.03
G0782321		1.64	0.034	<0.2	1.59	5	<10	30	<0.5	<2	3.54	<0.5	10	7	27	2.22
G0782322		2.08	0.019	<0.2	2.11	7	<10	30	<0.5	<2	4.45	<0.5	19	62	66	3.00
G0782323		1.84	0.053	0.2	2.41	9	<10	30	<0.5	<2	3.71	<0.5	19	127	49	3.48
G0782324		1.79	0.012	<0.2	2.66	3	<10	20	<0.5	<2	3.71	<0.5	19	168	10	3.62
G0782325		1.76	0.005	<0.2	2.84	3	<10	10	<0.5	<2	3.72	<0.5	19	220	4	3.81
G0782326		2.05	<0.005	<0.2	3.01	4	<10	10	<0.5	<2	3.95	<0.5	21	185	31	3.97



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Project: CREE LAKE

CERTIFICATE OF ANALYSIS TM09075942

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	
G0782287		10	<1	<0.01	<10	3.20	824	2	0.04	74	280	<2	0.17	<2	7	81
G0782288		10	1	<0.01	<10	2.57	707	3	0.04	67	300	<2	0.48	<2	6	70
G0782289		10	1	0.02	<10	2.65	696	2	0.05	56	380	2	0.10	<2	6	41
G0782290		<10	1	0.01	10	0.01	13	<1	<0.01	<1	30	<2	0.01	<2	<1	2
G0782291		10	1	0.05	10	1.14	333	7	0.09	16	530	<2	0.10	<2	4	23
G0782292		<10	<1	0.02	10	0.95	320	1	0.09	18	470	5	0.11	<2	4	28
G0782293		10	<1	0.02	10	1.11	353	<1	0.09	19	490	<2	0.16	<2	3	30
G0782294		10	1	<0.01	<10	3.39	866	4	0.04	81	260	<2	0.42	<2	10	62
G0782295		10	1	<0.01	<10	3.11	740	5	0.04	81	250	5	0.47	<2	10	57
G0782296		10	<1	<0.01	<10	3.48	780	1	0.04	79	280	5	0.39	<2	10	59
G0782297		10	<1	0.03	10	2.11	476	<1	0.07	79	550	4	0.06	<2	4	36
G0782298		10	1	0.06	10	2.07	535	<1	0.06	72	510	2	0.16	<2	7	30
G0782299		10	<1	0.02	<10	3.33	1110	<1	0.03	77	260	<2	0.23	<2	27	58
G0782300		<10	5	0.13	10	0.74	431	12	0.06	37	730	262	0.61	25	4	34
G0782301		10	1	0.02	20	2.57	808	<1	0.06	34	1380	7	0.14	<2	12	73
G0782302		<10	1	0.26	10	1.10	547	26	0.03	62	660	10	0.92	<2	3	67
G0782303		10	<1	0.19	10	1.56	703	<1	0.02	92	340	35	4.44	<2	5	67
G0782304		10	<1	0.10	10	1.85	491	<1	0.05	75	540	<2	0.02	<2	5	26
G0782305		10	<1	0.05	10	2.31	483	<1	0.08	72	560	2	0.05	<2	7	20
G0782306		10	<1	0.02	10	2.82	663	<1	0.08	101	530	5	0.06	<2	7	30
G0782307		10	1	<0.01	<10	4.03	1135	<1	0.03	83	260	5	0.13	<2	10	97
G0782308		10	<1	<0.01	<10	3.93	1225	<1	0.03	83	260	2	0.11	<2	12	76
G0782309		10	<1	<0.01	<10	3.96	1200	<1	0.03	82	260	<2	0.02	<2	11	106
G0782310		10	<1	0.74	<10	2.94	1355	<1	0.12	114	360	16	0.59	43	14	112
G0782311		10	<1	0.01	<10	3.67	1090	<1	0.02	80	250	<2	0.03	<2	18	119
G0782312		10	<1	0.01	<10	3.64	1060	2	0.03	76	230	3	0.14	<2	26	78
G0782313		10	1	0.02	<10	3.76	1125	<1	0.03	82	260	<2	0.24	<2	29	106
G0782314		10	1	0.04	<10	3.79	1095	<1	0.03	78	260	2	0.11	<2	25	113
G0782315		10	<1	0.04	<10	3.91	1040	<1	0.03	81	270	2	0.08	<2	23	105
G0782316		10	<1	0.08	10	2.14	587	<1	0.07	76	510	<2	0.01	<2	6	61
G0782317		<10	<1	0.15	10	1.37	411	1	0.06	37	450	<2	0.11	<2	4	51
G0782318		10	1	0.06	<10	3.16	797	<1	0.05	67	320	<2	0.16	<2	22	78
G0782319		<10	<1	0.21	10	0.93	338	<1	0.07	20	490	<2	0.03	<2	2	38
G0782320		<10	<1	0.01	10	0.01	12	<1	<0.01	1	30	<2	<0.01	<2	<1	2
G0782321		<10	<1	0.25	10	0.86	369	<1	0.05	24	470	<2	0.10	<2	1	40
G0782322		<10	<1	0.28	10	1.22	469	1	0.03	52	490	<2	0.37	<2	2	47
G0782323		<10	<1	0.21	10	1.65	460	1	0.04	71	490	<2	0.29	<2	2	39
G0782324		<10	<1	0.12	10	2.12	507	<1	0.05	87	480	<2	0.08	<2	3	41
G0782325		<10	1	0.11	10	2.37	525	<1	0.05	92	450	<2	0.08	<2	4	37
G0782326		<10	<1	0.09	10	2.48	549	<1	0.06	94	470	<2	0.05	<2	5	36



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8 KING STREET EAST
SUITE 1500
TORONTO ON M5C 1B5

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Project: CREE LAKE

CERTIFICATE OF ANALYSIS TM09075942

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G0782287		<20	0.26	<10	<10	137	<10	45
G0782288		<20	0.20	<10	<10	116	<10	33
G0782289		<20	0.17	<10	<10	117	<10	39
G0782290		<20	<0.01	<10	<10	1	<10	<2
G0782291		<20	0.12	<10	<10	53	<10	19
G0782292		<20	0.12	<10	<10	49	<10	20
G0782293		<20	0.12	<10	<10	50	<10	21
G0782294		<20	0.26	<10	<10	170	<10	52
G0782295		<20	0.22	<10	<10	152	<10	37
G0782296		<20	0.28	<10	<10	164	<10	40
G0782297		<20	0.18	<10	<10	63	<10	27
G0782298		<20	0.16	<10	<10	74	<10	40
G0782299		<20	0.21	<10	<10	216	<10	86
G0782300		<20	0.09	<10	<10	56	<10	259
G0782301		<20	0.18	<10	<10	119	<10	67
G0782302		<20	0.10	<10	<10	22	10	26
G0782303		<20	0.09	<10	<10	52	<10	33
G0782304		<20	0.16	<10	<10	44	<10	30
G0782305		<20	0.18	<10	<10	64	<10	32
G0782306		<20	0.21	<10	<10	89	<10	42
G0782307		<20	0.25	<10	<10	171	<10	55
G0782308		<20	0.25	<10	<10	189	<10	55
G0782309		<20	0.22	<10	<10	175	<10	59
G0782310		<20	0.10	<10	<10	157	20	65
G0782311		<20	0.23	<10	<10	175	<10	48
G0782312		<20	0.19	<10	<10	197	<10	45
G0782313		<20	0.14	<10	<10	213	<10	47
G0782314		<20	0.13	<10	<10	195	<10	49
G0782315		<20	0.13	<10	<10	185	<10	51
G0782316		<20	0.08	<10	<10	57	<10	31
G0782317		<20	0.05	<10	<10	38	<10	21
G0782318		<20	0.14	<10	<10	165	<10	46
G0782319		<20	0.05	<10	<10	25	<10	17
G0782320		<20	<0.01	<10	<10	<1	<10	<2
G0782321		<20	0.04	<10	<10	18	<10	19
G0782322		<20	0.02	<10	<10	22	<10	28
G0782323		<20	0.06	<10	<10	29	<10	33
G0782324		<20	0.09	<10	<10	37	<10	33
G0782325		<20	0.12	<10	<10	46	<10	31
G0782326		<20	0.13	<10	<10	54	<10	33



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8 KING STREET EAST
SUITE 1500
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CERTIFICATE OF ANALYSIS TM09075942

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G0782327		2.13	<0.005	<0.2	2.87	2	<10	10	<0.5	<2	3.92	<0.5	20	210	8	3.72
G0782328		2.49	<0.005	<0.2	2.89	<2	<10	20	<0.5	<2	4.60	<0.5	21	190	88	3.74
G0782329		1.41	0.088	<0.2	1.40	8	<10	30	<0.5	<2	6.01	<0.5	18	52	61	2.92
G0782330		0.06	3.28	3.5	1.44	276	<10	380	<0.5	<2	1.28	1.5	8	51	75	3.20
G0782331		2.21	0.047	<0.2	4.41	3	<10	10	<0.5	<2	7.18	<0.5	39	194	107	7.47
G0782332		2.30	0.027	1.4	4.32	<2	<10	<10	<0.5	<2	6.05	<0.5	35	195	167	7.11
G0782333		2.11	0.010	<0.2	4.13	2	<10	<10	<0.5	<2	5.96	<0.5	39	206	64	6.70
G0782334		1.79	0.008	<0.2	3.97	2	<10	<10	<0.5	<2	4.83	<0.5	32	194	63	6.42
G0782335		1.28	0.089	<0.2	3.97	6	<10	<10	<0.5	<2	4.84	<0.5	36	175	395	5.86
G0782336		2.46	0.023	<0.2	4.17	3	<10	<10	<0.5	<2	3.37	<0.5	35	177	104	5.70
G0782337		1.26	0.038	<0.2	4.31	4	<10	<10	<0.5	<2	4.73	<0.5	38	180	156	5.92
G0782338		1.05	0.392	<0.2	2.11	6	<10	20	<0.5	<2	3.09	<0.5	25	43	78	3.60
G0782339		1.41	0.027	<0.2	2.20	2	<10	30	<0.5	<2	5.73	<0.5	16	41	26	3.56
G0782340		0.05	1.015	<0.2	4.23	1360	<10	100	<0.5	<2	5.96	<0.5	22	223	104	4.82
G0782341		0.79	0.067	<0.2	4.15	8	<10	10	<0.5	<2	5.60	<0.5	33	206	106	6.99
G0782342		1.06	0.023	<0.2	3.06	4	<10	<10	<0.5	<2	7.70	<0.5	23	149	7	4.93
G0782343		2.11	0.097	<0.2	2.58	4	<10	<10	<0.5	<2	3.29	<0.5	20	170	2	3.90
G0782344		2.00	0.024	<0.2	2.58	5	<10	10	<0.5	<2	2.82	<0.5	18	174	<1	3.90
G0782345		1.31	0.086	<0.2	2.35	15	<10	<10	<0.5	<2	4.18	<0.5	18	158	4	3.49
G0782346		1.85	0.602	<0.2	2.81	27	<10	<10	<0.5	<2	2.98	<0.5	29	140	231	4.57
G0782347		1.88	0.063	<0.2	2.41	28	<10	<10	<0.5	<2	1.49	<0.5	30	91	285	4.07
G0782348		1.93	0.013	<0.2	2.57	22	<10	<10	<0.5	<2	1.58	<0.5	27	110	135	4.13
G0782349		2.33	0.048	<0.2	2.90	14	<10	<10	<0.5	<2	2.37	<0.5	29	129	331	5.02
G0782350		0.05	<0.005	<0.2	0.03	<2	<10	<10	<0.5	<2	0.12	<0.5	<1	1	3	0.03
G0782351		2.36	0.039	<0.2	2.82	22	<10	<10	<0.5	<2	1.91	<0.5	28	112	265	4.70
G0782352		1.96	0.088	<0.2	2.98	16	<10	<10	<0.5	<2	2.21	<0.5	36	134	448	5.14
G0782353		2.02	0.064	<0.2	3.62	20	<10	<10	<0.5	<2	5.23	<0.5	37	184	292	6.47
G0782354		1.92	0.071	<0.2	3.08	7	<10	<10	<0.5	<2	3.35	<0.5	32	149	242	5.29
G0782355		1.82	0.050	<0.2	3.29	7	<10	<10	<0.5	<2	3.29	<0.5	33	149	436	5.55
G0782356		2.77	0.014	<0.2	3.66	2	<10	<10	<0.5	<2	4.01	<0.5	33	165	198	5.96
G0782357		1.92	0.046	<0.2	3.80	6	<10	<10	<0.5	<2	6.53	<0.5	34	180	118	6.67
G0782358		1.96	0.140	<0.2	3.41	10	<10	<10	<0.5	<2	4.85	<0.5	38	166	263	6.07
G0782359		1.68	0.041	<0.2	3.95	<2	<10	<10	<0.5	<2	5.29	<0.5	35	190	252	6.43
G0782360		0.07	3.54	3.5	1.47	278	<10	380	<0.5	<2	1.28	1.4	8	52	75	3.19
G0782361		1.17	0.209	0.2	4.20	5	<10	<10	<0.5	<2	5.70	<0.5	38	191	346	6.65
G0782362		0.91	0.071	<0.2	3.63	8	<10	10	<0.5	<2	6.41	<0.5	35	175	148	6.14
G0782363		1.43	0.015	<0.2	3.29	4	<10	10	<0.5	<2	2.91	<0.5	31	153	211	5.29
G0782364		2.35	0.016	<0.2	2.83	<2	<10	10	<0.5	<2	2.40	<0.5	27	130	275	4.76
G0782365		2.17	0.017	<0.2	2.83	12	<10	<10	<0.5	<2	4.42	<0.5	29	115	183	4.62
G0782366		1.87	<0.005	<0.2	1.94	9	<10	<10	<0.5	<2	3.67	<0.5	21	83	105	3.33



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Project: CREE LAKE

CERTIFICATE OF ANALYSIS TM09075942

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
G0782327		10	1	0.13	10	2.28	528	<1	0.05	100	490	<2	0.07	<2	3	34
G0782328		<10	<1	0.17	10	2.15	558	<1	0.04	98	470	2	0.08	<2	3	38
G0782329		<10	<1	0.20	<10	0.60	569	3	0.03	56	350	3	0.84	<2	2	54
G0782330		<10	5	0.14	10	0.77	447	12	0.06	38	750	273	0.63	27	4	34
G0782331		10	1	0.07	<10	2.84	1170	<1	0.03	80	280	5	0.16	<2	26	56
G0782332		10	1	<0.01	<10	3.82	1010	99	0.04	72	240	94	1.21	<2	22	55
G0782333		10	<1	<0.01	<10	3.64	969	2	0.05	85	270	3	0.52	<2	11	55
G0782334		10	<1	<0.01	<10	3.44	860	<1	0.05	81	260	3	0.13	<2	11	40
G0782335		10	<1	<0.01	<10	3.53	936	1	0.02	76	610	5	0.26	<2	7	75
G0782336		<10	<1	<0.01	<10	3.86	947	<1	0.02	79	270	2	0.03	<2	8	86
G0782337		10	1	<0.01	<10	3.99	1040	<1	0.02	77	260	2	0.11	<2	6	71
G0782338		<10	<1	0.11	10	1.46	512	1	0.06	51	590	2	0.25	<2	3	23
G0782339		<10	<1	0.16	<10	1.33	557	1	0.06	42	510	<2	0.06	<2	4	25
G0782340		10	1	0.71	<10	2.86	1300	<1	0.12	110	350	18	0.57	41	13	107
G0782341		10	<1	0.03	<10	2.91	941	2	0.05	83	300	3	0.27	<2	13	25
G0782342		<10	<1	0.02	<10	2.27	808	<1	0.04	66	230	<2	0.06	<2	7	35
G0782343		10	<1	0.01	10	2.07	546	<1	0.09	88	430	<2	0.01	<2	4	27
G0782344		10	1	0.02	10	2.18	529	<1	0.10	89	370	<2	<0.01	<2	5	26
G0782345		<10	<1	0.01	10	1.90	548	<1	0.08	80	360	<2	0.01	<2	4	39
G0782346		<10	<1	0.01	<10	2.28	673	1	0.07	62	260	5	0.15	<2	5	27
G0782347		<10	<1	0.01	<10	1.98	574	1	0.07	56	270	7	0.21	<2	4	30
G0782348		<10	<1	<0.01	<10	2.11	593	<1	0.05	52	270	3	0.06	<2	4	34
G0782349		<10	<1	0.01	<10	2.29	687	<1	0.07	58	270	2	0.15	<2	5	26
G0782350		<10	<1	0.01	10	0.01	9	<1	<0.01	<1	30	<2	0.01	<2	<1	2
G0782351		<10	<1	0.01	<10	2.29	657	1	0.06	59	270	2	0.10	<2	4	28
G0782352		<10	1	0.01	<10	2.35	694	1	0.07	62	260	<2	0.24	<2	5	30
G0782353		10	<1	0.01	<10	2.68	888	1	0.05	75	270	<2	0.69	<2	7	32
G0782354		<10	<1	<0.01	<10	2.27	715	<1	0.05	67	260	<2	0.20	<2	5	34
G0782355		<10	<1	0.01	<10	2.45	779	1	0.06	68	280	<2	0.18	<2	6	38
G0782356		10	<1	0.01	<10	2.90	902	<1	0.05	69	270	<2	0.13	<2	6	29
G0782357		10	<1	0.01	<10	2.94	1035	2	0.05	67	250	2	0.58	<2	12	27
G0782358		10	<1	0.01	<10	2.76	894	2	0.06	65	250	2	0.78	<2	8	29
G0782359		10	1	0.01	<10	3.32	1010	1	0.05	77	270	<2	0.42	<2	11	25
G0782360		<10	5	0.14	10	0.77	447	12	0.07	37	750	279	0.64	27	4	35
G0782361		10	1	0.01	<10	3.73	1130	2	0.04	86	250	2	0.65	<2	10	33
G0782362		10	<1	0.01	<10	3.21	1080	2	0.04	75	220	2	0.89	<2	12	28
G0782363		<10	<1	0.01	<10	2.81	918	<1	0.05	74	270	<2	0.17	<2	5	30
G0782364		<10	<1	0.01	<10	2.39	809	1	0.04	62	270	2	0.24	<2	5	30
G0782365		<10	<1	0.01	<10	2.23	788	<1	0.03	56	280	2	0.28	<2	4	33
G0782366		<10	<1	0.01	<10	1.39	534	<1	0.04	44	220	<2	0.18	<2	3	27



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
G0782327		<20	0.10	<10	<10	40	<10	45
G0782328		<20	0.10	<10	<10	39	<10	64
G0782329		<20	0.04	<10	<10	23	<10	41
G0782330		<20	0.09	<10	<10	59	<10	269
G0782331		<20	0.19	<10	<10	198	<10	101
G0782332		<20	0.23	<10	<10	203	<10	56
G0782333		<20	0.20	<10	<10	192	<10	46
G0782334		<20	0.18	<10	<10	188	<10	66
G0782335		<20	0.21	<10	<10	140	<10	84
G0782336		<20	0.27	<10	<10	134	<10	49
G0782337		<20	0.27	<10	<10	136	<10	47
G0782338		<20	0.14	<10	<10	60	<10	31
G0782339		<20	0.12	<10	<10	60	<10	40
G0782340		<20	0.09	<10	<10	151	<10	63
G0782341		<20	0.20	<10	<10	195	<10	81
G0782342		<20	0.13	<10	<10	109	<10	50
G0782343		<20	0.16	<10	<10	72	<10	29
G0782344		<20	0.17	<10	<10	70	<10	28
G0782345		<20	0.16	<10	<10	59	<10	25
G0782346		<20	0.21	<10	<10	104	<10	33
G0782347		<20	0.21	<10	<10	76	<10	29
G0782348		<20	0.25	<10	<10	82	<10	32
G0782349		<20	0.22	<10	<10	103	<10	35
G0782350		<20	<0.01	<10	<10	<1	<10	<2
G0782351		<20	0.22	<10	<10	92	<10	36
G0782352		<20	0.22	<10	<10	104	<10	35
G0782353		<20	0.25	<10	<10	151	<10	46
G0782354		<20	0.23	<10	<10	113	<10	36
G0782355		<20	0.25	<10	<10	118	<10	38
G0782356		<20	0.25	<10	<10	148	<10	42
G0782357		<20	0.19	<10	<10	183	<10	44
G0782358		<20	0.22	<10	<10	154	<10	43
G0782359		<20	0.19	<10	<10	180	<10	47
G0782360		<20	0.09	<10	<10	59	<10	267
G0782361		<20	0.16	<10	<10	181	<10	61
G0782362		<20	0.14	<10	<10	172	<10	57
G0782363		<20	0.17	<10	<10	113	<10	50
G0782364		<20	0.19	<10	<10	102	<10	41
G0782365		<20	0.19	<10	<10	91	<10	35
G0782366		<20	0.12	<10	<10	62	<10	21



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Project: CREE LAKE

CERTIFICATE OF ANALYSIS TM09075942

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.005	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
G0782367		2.69	0.013	<0.2	2.24	19	<10	<10	<0.5	<2	2.50	<0.5	26	97	280	3.56
G0782368		2.28	0.017	<0.2	2.27	15	20	<10	<0.5	<2	1.95	<0.5	31	90	149	4.08
G0782369		2.87	0.032	<0.2	2.32	6	<10	10	<0.5	<2	1.39	<0.5	26	95	131	3.96
G0782370		0.05	1.055	<0.2	4.54	1450	<10	110	<0.5	<2	6.31	<0.5	23	239	110	5.14
G0782371		1.80	0.083	<0.2	2.42	9	<10	10	<0.5	<2	2.09	<0.5	26	111	171	4.16
G0782372		1.52	0.013	<0.2	2.54	17	<10	<10	<0.5	<2	2.80	<0.5	29	91	194	4.08



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: MANTIS MINERAL CORP
8 KING STREET EAST
SUITE 1500
TORONTO ON M5C 1B5

Page: 8 - B
Total # Pages: 8 (A - C)
Finalized Date: 21-AUG-2009
Account: MANTMN

Project: CREE LAKE

CERTIFICATE OF ANALYSIS TM09075942

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
G0782367		<10	<1	0.01	<10	1.57	543	<1	0.04	48	240	<2	0.10	<2	4	27
G0782368		<10	<1	0.02	<10	1.70	619	<1	0.05	58	270	<2	0.34	<2	3	18
G0782369		<10	<1	0.03	<10	1.73	622	<1	0.05	52	260	<2	0.14	<2	4	22
G0782370		10	<1	0.75	<10	3.05	1345	<1	0.12	115	370	17	0.62	45	14	113
G0782371		<10	<1	0.03	<10	1.87	655	<1	0.05	55	270	<2	0.20	<2	4	24
G0782372		<10	<1	0.01	<10	1.79	653	<1	0.03	59	260	2	0.16	<2	4	43

APPENDIX- D
Claim Property Map

Date / Time of Issue: Tue May 26 13:59:54 EDT 2009

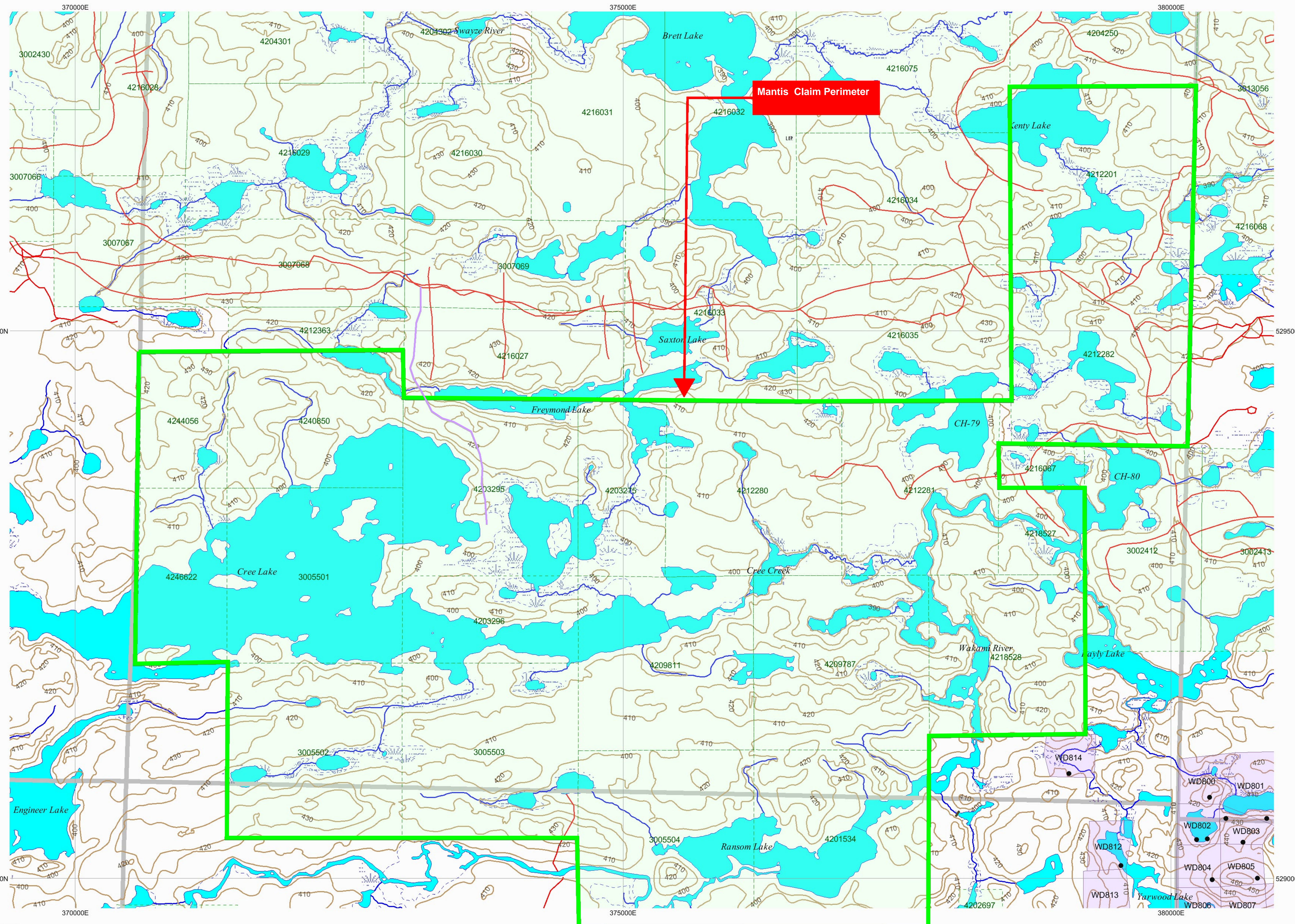
TOWNSHIP / AREA
SWAYZE

PLAN
G-3249

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division
Land Titles/Registry Division
Ministry of Natural Resources District

Porcupine
SUDBURY
CHAPLEAU

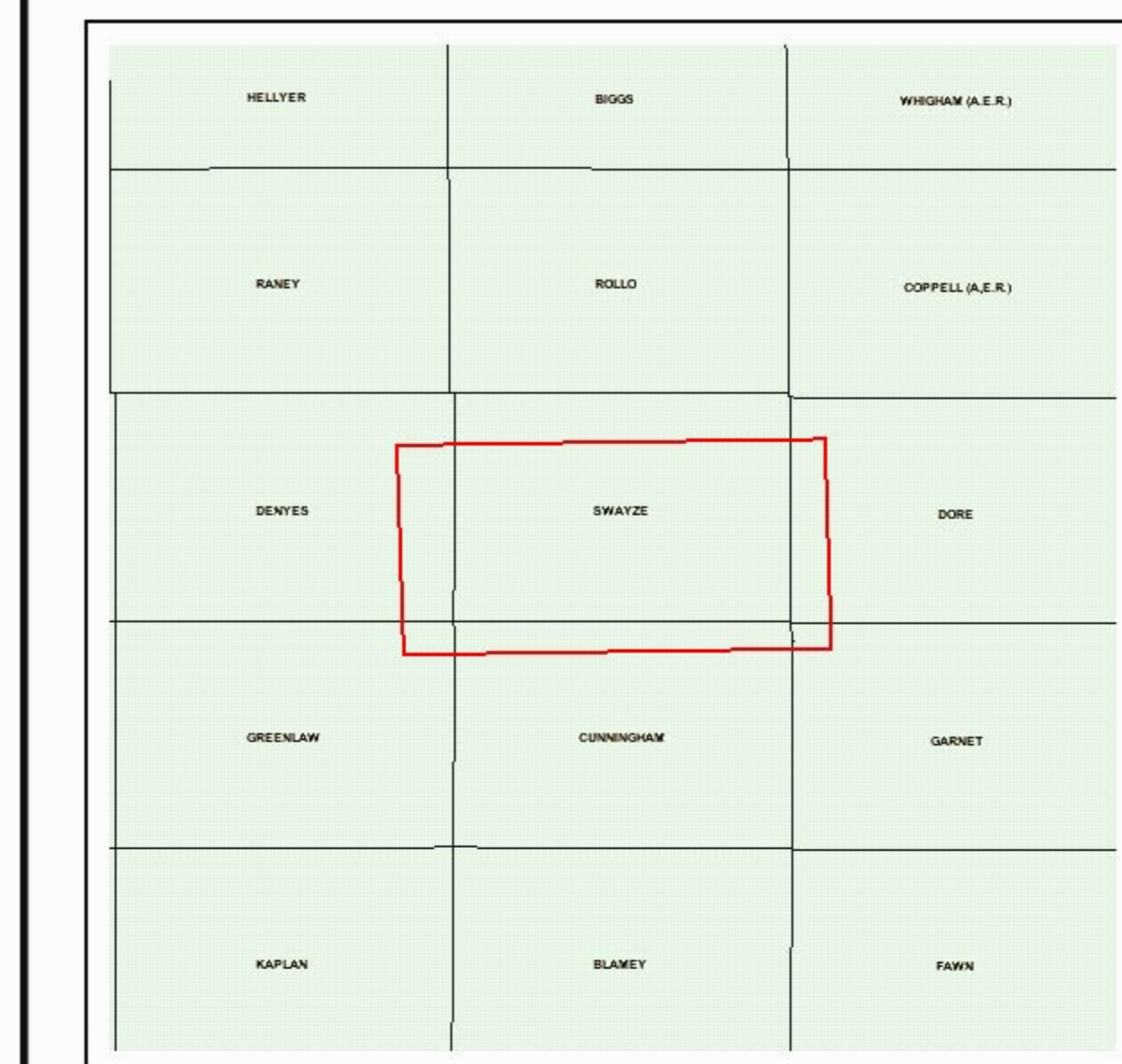


TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession, Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit & Pile
- Contour
- Mine Shafts
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Utilities
- Tower

Land Tenure

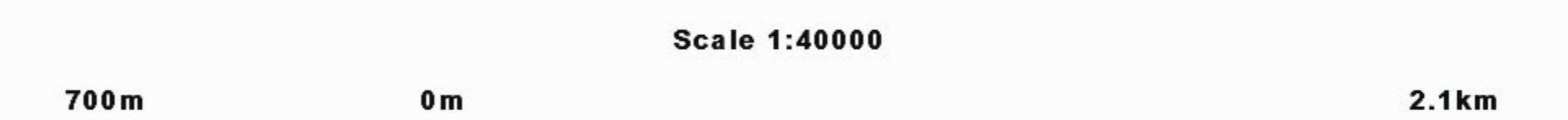
- Freehold Patent**
 - Surface And Mining Rights
 - Surface Rights Only
 - Mining Rights Only
- Leasehold Patent**
 - Surface And Mining Rights
 - Surface Rights Only
 - Mining Rights Only
- Licence of Occupation**
 - Uses Not Specified
 - Surface And Mining Rights
 - Surface Rights Only
 - Mining Rights Only
 - Land Use Permit
 - Order In Council (Not open for staking)
 - Water Power Lease Agreement



LAND TENURE WITHDRAWALS

- Areas Withdrawn from Disposition
- Mining Acts Withdrawal Types
 - Surface And Mining Rights Withdrawn
 - Surface Rights Only Withdrawn
 - Mining Rights Only Withdrawn
- Order In Council Withdrawal Types
 - Surface And Mining Rights Withdrawn
 - Surface Rights Only Withdrawn
 - Mining Rights Only Withdrawn

IMPORTANT NOTICES



LAND TENURE WITHDRAWAL DESCRIPTIONS

Identifier	Type	Date	Description
4350	Wsm	Jan 1, 2001	CROWN RESERVE
W-LL-P1557	Wsm	Feb 1, 2004	W-LL-P1557 ONT M&S withdrawal S.35 Mining Act RSO 1999, 01/02/04 Boundary generally depicts area withdrawn Click to view actual area

Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

General Information and Limitations

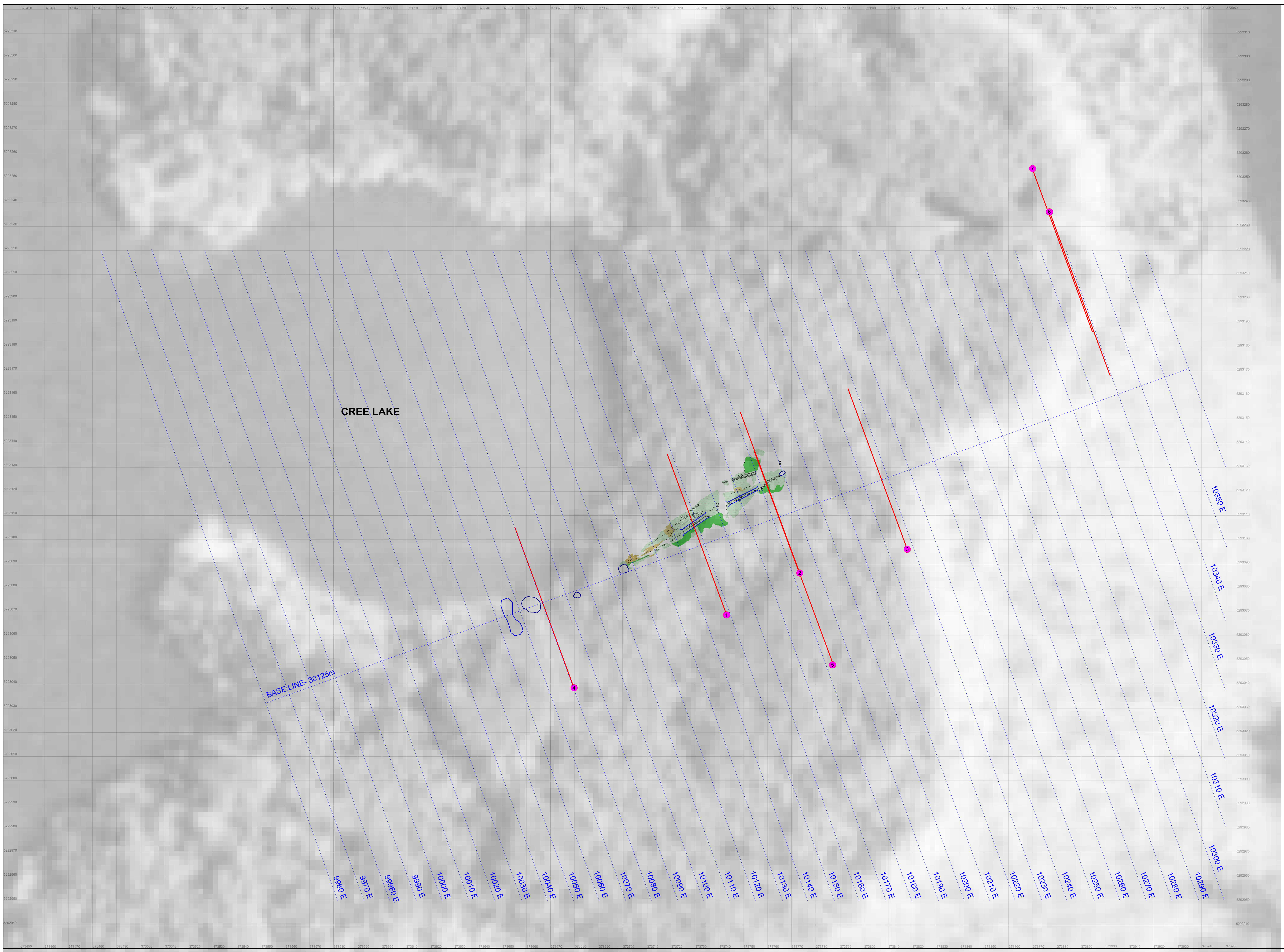
Contact Information:
Provincial Mining Recorders' Office
Willet Green Miller Centre 933 Ramsey Lake Road
Sudbury ON P3E 6B5
Home Page: www.mndm.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Toll Free
Tel: 1 (888) 415-9845 ext 57
Fax: 1 (877) 670-1444

Map Datum: NAD 83
Projection: UTM (6 degree)
Topographic Data Source: Land Information Ontario
Mining Land Tenure Source: Provincial Mining Recorders' Office

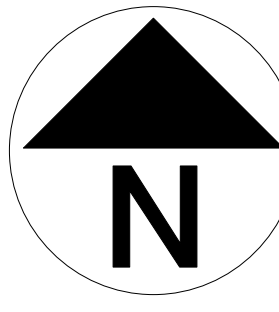
This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licences, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.

APPENDIX - E
Flint Rock Occurrence Drill Plan



CREE LAKE

BASE LINE- 30125m



LEGEND

- PROPERTY LINES
- PROPERTY LINES (BY NAD 83)
- PROPERTY LINES (BY WGS 84)

GEOL. HOLES

- MANTIS SYMBOLS
- FLAT ROCK MAPS

LITHOLOGY

- DIORITIC
- DIORITIC GNEISS
- AMPHIBOLITE
- AMPHIBOLITE GNEISS
- AMPHIBOLITE

ALTERATION

- CARBONATE
- ORPHEAN

SAMPLE SYMBOLS

- DRILL CORE SAMPLE
- DRILL CORE SAMPLE (NON-CONTACT)
- DRILL CORE SAMPLE (CONTACT)
- DRILL CORE SAMPLE (CONTACT)
- DRILL CORE SAMPLE (CONTACT)
- DRILL CORE SAMPLE (CONTACT)
- DRILL CORE SAMPLE (CONTACT)
- DRILL CORE SAMPLE (CONTACT)

SYMBOLS

- BOUNDARY WITH NEIGHBORING PROP.
- BOUNDARY WITH NEIGHBORING PROP.
- BOUNDARY WITH NEIGHBORING PROP.
- BOUNDARY WITH NEIGHBORING PROP.
- BOUNDARY WITH NEIGHBORING PROP.
- BOUNDARY WITH NEIGHBORING PROP.
- BOUNDARY WITH NEIGHBORING PROP.

MANTIS
EXPLORATIONS INC.

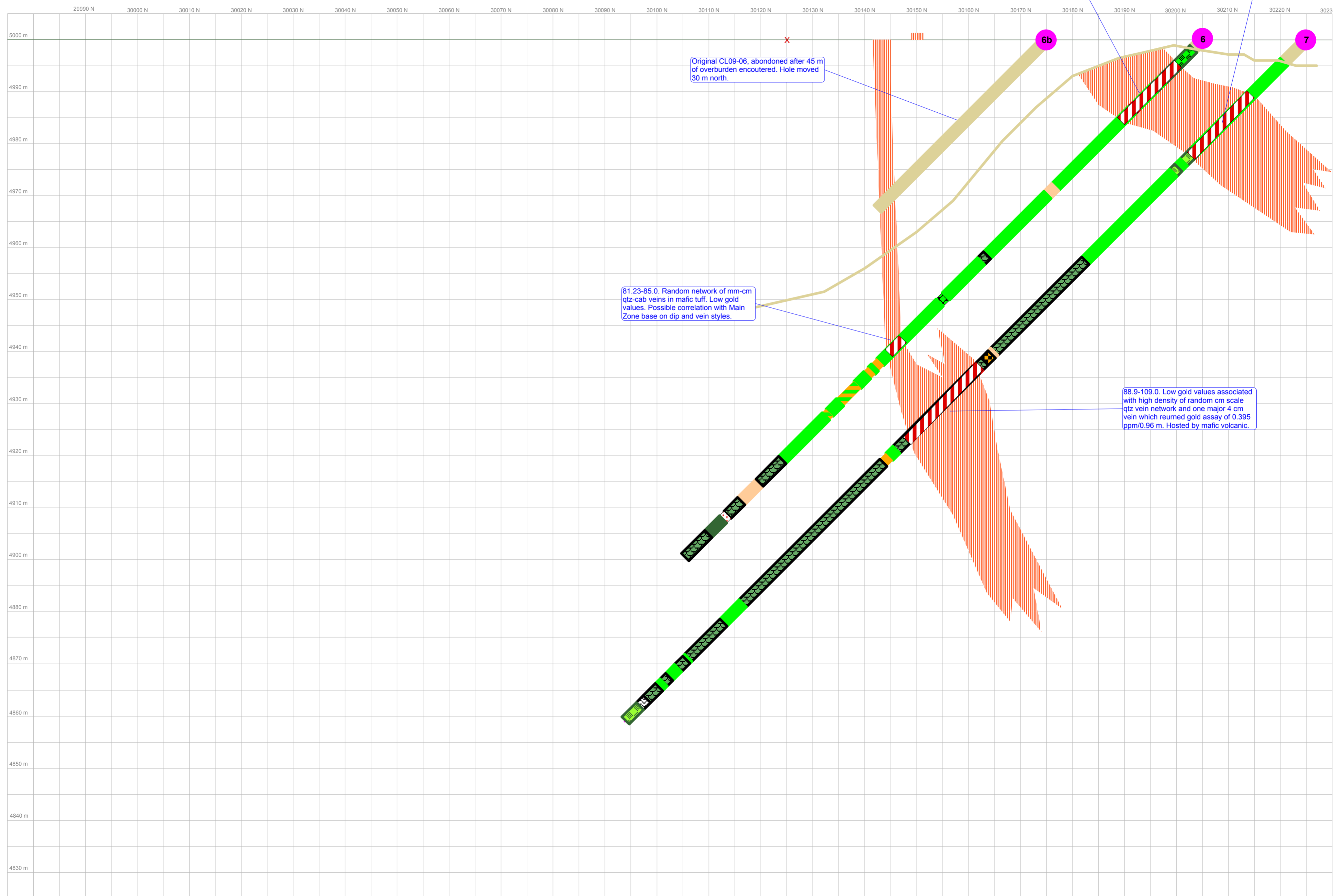
CREE LAKE PROPERTY
PROPERTY LINES (BY NAD 83)
PROPERTY LINES (BY WGS 84)

DATE: 2010-01-20

SCALE: 1:10000

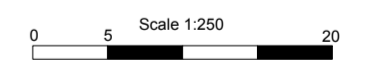
APPENDIX - F

Flint Rock Occurrence Cross Sections



Legend

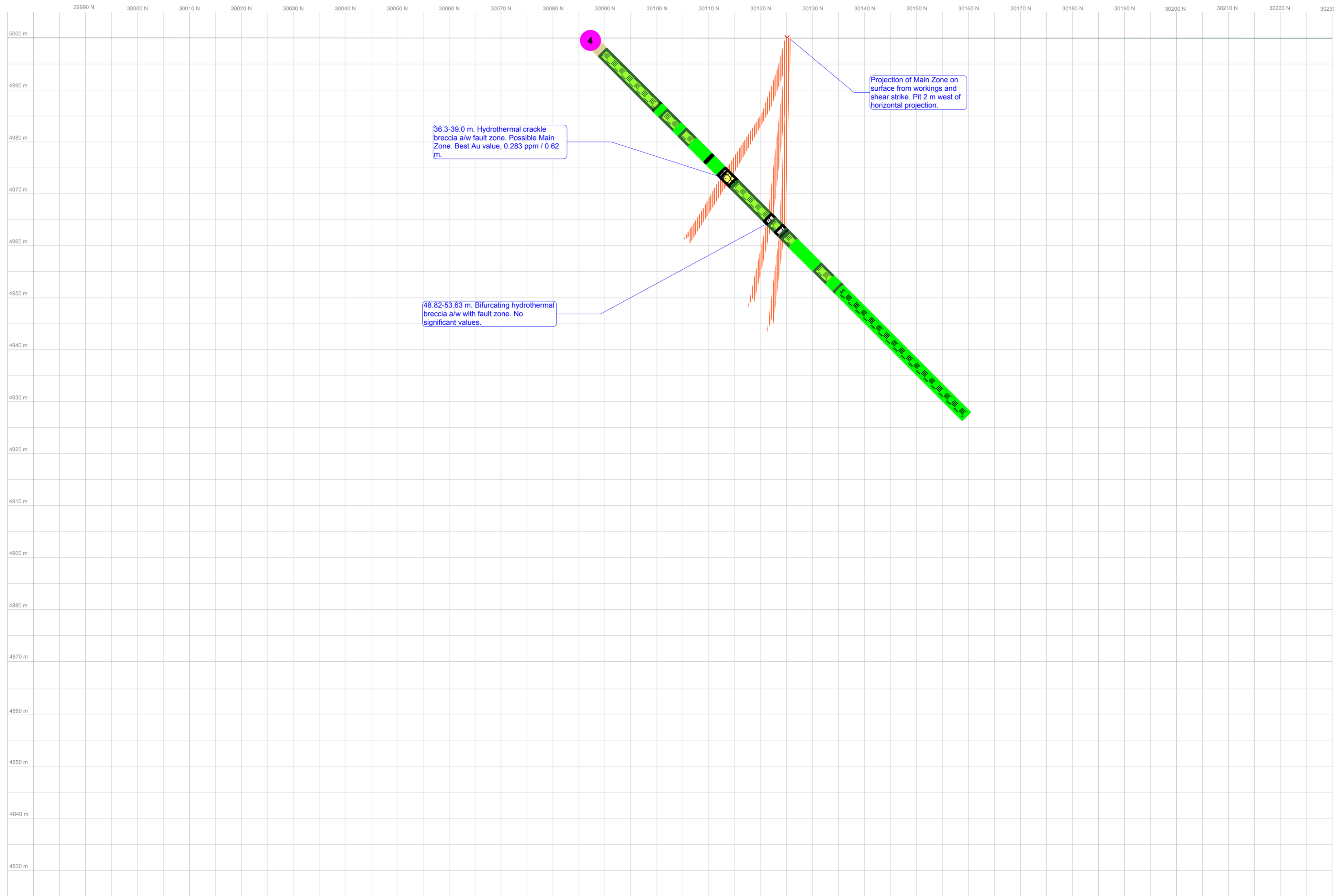
- Overburden
- Carbonate Stockworks
- Quartz Vein
- Silicification Zone
- Chert
- Conglomerate
- Fault Breccia
- Hydrothermal Breccia
- Flow
- Feldspar Porphyry
- Pyroclastics
- Volcanic Breccia
- Andesite
- Augite Gabbro
- Fault
- Shearing
- Combination of two rock types ie: Pyroclastics and Quartz
- Carbonate Stockworks and Flow
- Pyroclastics and Volcanic Breccia
- Mafic Flow
- Mantis Minerals DDH Collar
- Mine Baseline
- Blast Trench
- Mineralized Zone Interpreted



Mantis Mineral Corp.

Flint Rock Gold Showing
DDH Cross Section
10350 E
Swayze Township

Completion and CAD by:
M. Hamlyn and S. Ewertowski Scale 1:500 June 2009



Legend

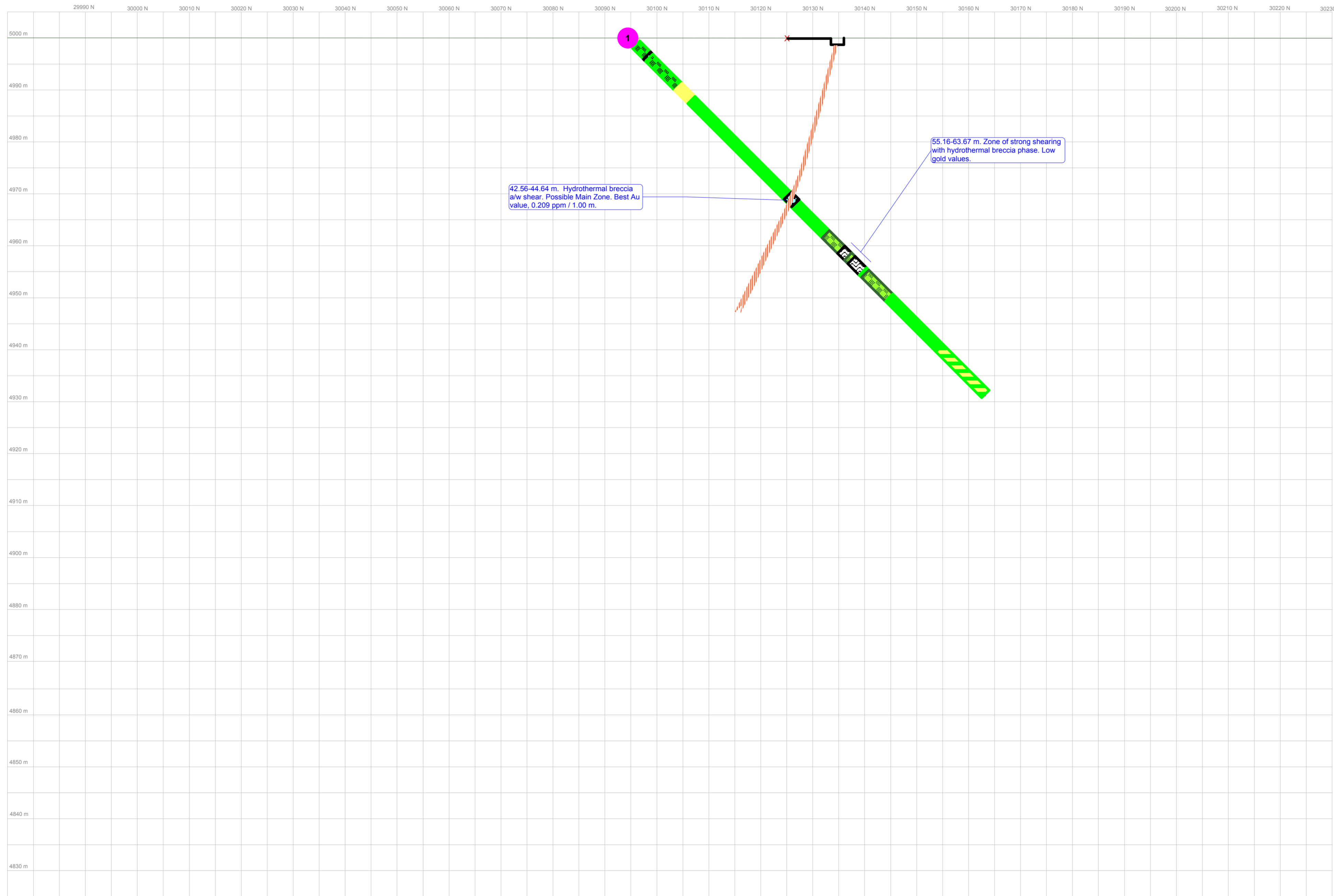
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- Quartz Vein
- Silicification Zone
- Chert
- Conglomerate
- Fault Breccia
- Hydrothermal Breccia
- Flow
- Feldspar Porphyry
- Pyroclastics
- Volcanic Breccia
- Andesite
- Augite Gabbro
- Fault
- Shearing
- Combination of two rock types ie: Pyroclastics and Quartz
- Carbonate Stockworks and Flow
- Pyroclastics and Volcanic Breccia
- Mafic Flow
- Mantis Minerals DDH Collar
- Mine Baseline
- Blast Trench
- Mineralized Zone Interpreted

0 5 10 20
Scale 1:250

Mantis Mineral Corp.

Flint Rock Gold Showing
DDH Cross Section
10080 E
Swayze Township

Completion and CAD by:
M. Hamlyn and S. Ewertowski Scale 1:500 June 2009



Legend

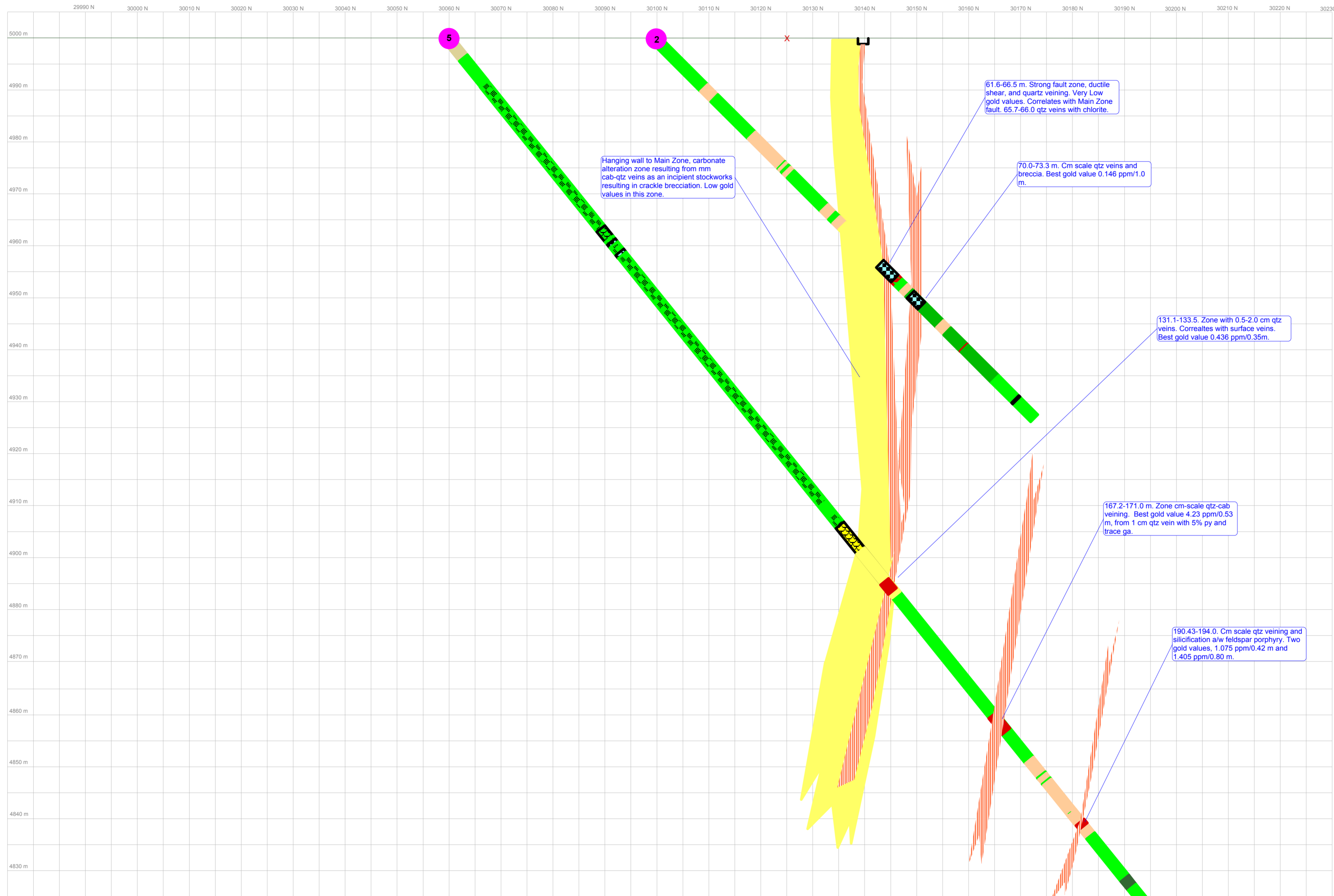
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- Carbonate Stockworks
- Quartz Vein
- Silicification Zone
- Chert
- Conglomerate
- Fault Breccia
- Hydrothermal Breccia
- Flow
- Feldspar Porphyry
- Pyroclastics
- Volcanic Breccia
- Andesite
- Augite Gabbro
- Fault
- Shearing
- Combination of two rock types ie: Pyroclastics and Quartz
- Carbonate Stockworks and Flow
- Pyroclastics and Volcanic Breccia
- Mafic Flow
- Mantis Minerals DDH Collar
- Mine Baseline
- Blast Trench
- Mineralized Zone Interpreted

0 5 10 20
Scale 1:250

Mantis Mineral Corp.

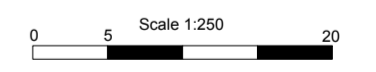
Flint Rock Gold Showing
DDH Cross Section
10150 E
Swayze Township

Completion and CAD by:
M. Hamlyn and S. Ewertowski Scale 1:500 June 2009



Legend

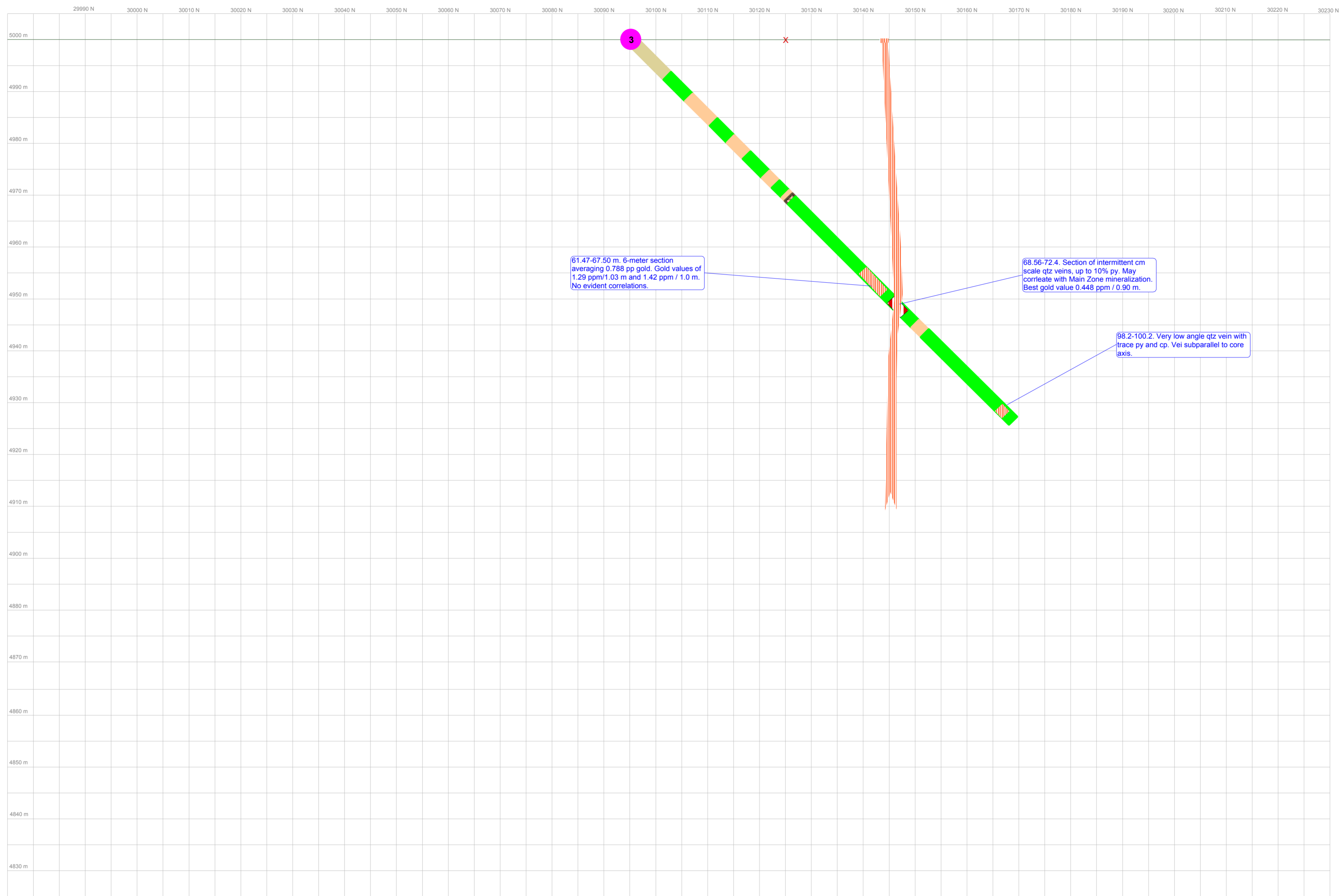
- Overburden
- Carbonate Stockworks
- Quartz Vein
- Silicification Zone
- Chert
- Conglomerate
- Fault Breccia
- Hydrothermal Breccia
- Flow
- Feldspar Porphyry
- Pyroclastics
- Volcanic Breccia
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- Shearing
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- Carbonate Stockworks and Flow
- Pyroclastics and Volcanic Breccia
- Mafic Flow
- Mantis Minerals DDH Collar
- Mine Baseline
- Blast Trench
- Mineralized Zone Interpreted



Mantis Mineral Corp.

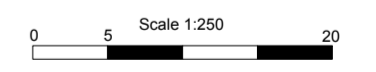
Flint Rock Gold Showing
DDH Cross Section
10180 E
Swayze Township

Completion and CAD by:
M. Hamlyn and S. Ewertowski Scale 1:500 June 2009



Legend

- Overburden
- Carbonate Stockworks
- Quartz Vein
- Silicification Zone
- Chert
- Conglomerate
- Fault Breccia
- Hydrothermal Breccia
- Flow
- Feldspar Porphyry
- Pyroclastics
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- Mine Baseline
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- Mineralized Zone Interpreted



Mantis Mineral Corp.

Flint Rock Gold Showing
DDH Cross Section
10250 E
Swayze Township

Completion and CAD by:
M. Hamlyn and S. Ewertowicz Scale 1:500 June 2009

APPENDIX - G

Core Images L09-1 to CL09-7

See separate folder