

**TECHNICAL REPORT ON THE
2010-11 DRILLING PROJECT
NEW ALGER PROPERTY
CADILLAC, QUEBEC**

**Prepared for
RENFORTH RESOURCES INC**

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1.0 Summary

The 2010-11 drilling program at New Alger gold property of Renforth Resources, has successfully verified the existence of near surface gold mineralization. The drilling verified the existence of low grade gold mineralization over longer widths as intercepted in the following drill holes:

HOLE ID	From (m)	To (m)	Length (m)	Width (m)	Au g/t
REN-10-01	150.00	163.50	13.5	7.7	0.750
REN-10-03	196.50	218.20	21.7	15.3	0.640
REN-10-04	177.70	192.90	15.2	10.7	1.570
REN-10-05	116.70	138.40	21.7	15.3	2.610
REN-10-05	159.00	176.10	17.1	12.1	0.860
REN-10-06	121.00	132.00	11.0	7.8	0.530
REN-10-07	37.30	57.30	20.0	11.5	1.090
REN-10-08	165.00	188.00	23.0	16.3	1.410
REN-10-08	197.00	207.00	10.0	7.1	0.870
REN-10-09	230.50	245.60	15.1	8.7	1.400

The gold mineralization is hosted primarily by porphyritic intermediate volcanics and biotite-rich intermediate tuffs.

Assay results also showed that silver occurs in appreciable amounts in the New Alger property. All holes returned at least one sample with over 500ppb Ag. Some holes exhibited zones of silver mineralization more extensive than that of gold. These zones are most notable in holes REN-10-04, 09 and 07. Silver does not strongly correlate to any specific lithology nor does it follow arsenic (and therefore arsenopyrite) as strongly as gold, but there is still a large physical overlap between Au and Ag mineralized zones. While silver is less significant commercially and the grade of Ag encountered here is typically low, its extent and its association with Au certainly makes it worthwhile to consider.

Gold mineralization associated with arsenopyrite is found in all lithologies at New Alger. Arsenopyrite is frequently visible within the two primary mineralized bands in the Piché volcanics (notably alongside biotite and blueish quartz veining), and can also be found within and around veining in the Pontiac and Cadillac greywackes. The highest gold values seem to correlate with the presence of arsenopyrite in the form of coarse blades (up to 3mm length). Assay results from 2010/2011 program clearly indicate a strong positive correlation between Au and As values, and assuming that arsenopyrite is the only major carrier of arsenic, then its value as a gold indicator is clearly emphasized.

It is recommended that a re-sampling be undertaken in some holes from the 2007 and 2008 drilling program. A review of the cores shows instances of unsampled intervals with presence of bluish quartz and arsenopyrite blades, both of which are strong gold indicators. These Intervals may return good assay results which could extend the widths of gold bearing horizons at these particular depths. Table 12 shows the recommended re-sampling intervals for this purpose.

The 2007-08 and 2010 drilling programs have so far been concentrated within grid lines 4+00E to 13+00E. No recent drilling has been conducted in the property west of L4+00E. REN-10-07 which was drilled at L4+00E/1+00S is so far the westernmost hole drilled in the property. This hole intercepted the mineralized zone at depth 35.0-100.0m with one horizon returning 1.09 g/t Au over 20.0m length. The promising results of hole REN-10-07 suggests that the area west of L4+00E be considered in future exploration programs to test the westward extension of the mineralization.

2.0 Introduction

Purpose and Scope

The New Alger Property, previously known as the Thompson Cadillac Mine property, consists of one Mining Concession in Québec's Doyon-Bousquet-LaRonde mining camp on the Cadillac Break. The 2010 drilling program aimed to overcut previous 2007 holes at a shallower angle (45° as opposed to ~60°) to intercept the mineralization at lesser depths. Historically only the deep narrow vein higher grade mineralization, typical of the Cadillac Break area has been considered. However more recent work in Malartic by Osisko and others in the area has considered an alternate model of near surface low grade mineralization over longer widths. For this reason the present program will be primarily over-cuts of previous holes to test this theory on the New Alger property. The drilling program was undertaken and managed by Billiken Management Services Inc of Toronto in behalf of Renforth Resources Inc.

This report discusses in detail the drilling activities undertaken during the most recent program of nine drill holes completed in the winter of 2010-2011. The results of drill programs in 2007 and 2008, plus all relevant reports, maps and other data are consulted and discussed in order to determine the potential of finding an economic deposit on the property. Mark Wellstead is the Field Geologist for the drilling program under the supervision of Brian Newton, PGeo, Billiken Management Services Inc.

Sources of Information

Sources of information are listed below:

"Report on Spectral IP/Resistivity and Magnetic Surveys, New Alger Property, Cadillac Township, Québec" - JVX Ltd. geophysical report for Billiken Management

"Technical Report on the New Alger Property" by Howard Lahti Ph.D. P. Geo. for Blue Power Energy Inc.

"Géologie des mines New Alger, Wood Cadillac, Central Cadillac, Pandora, Lapa Cadillac et Mic Mac"; a French report on local geology by Alain Beaudoin and Pierre Trudel of the Québec Ministry of energy and Resources, 1989

Log of one of the two 1990 holes, logged by R V Zalniteriunas, January 1990

Previous reports compiled by Billiken Management in 2007 and 2008

3.0 Property Description and Location

The New Alger project encompasses the historically productive Thomson-Cadillac mine. It is located in Mining Concession No C.M. 0240PTA. The Property covers an area of 317.4 hectares and is located in the north western part of the Cadillac Township in Québec (Fig. 1), within a few kilometres of the currently operating LaRonde Mine. The property is covered by the NTS 32D01 topographic map.

There are 2 shafts on the property. Both are located near the east border and their respective MTM coordinates are: 5344483.7N / 385454.7E (Shaft #1) and 5344453.8N / 385179.7E (Shaft #2).

Renforth is the operator/manager of a Joint Venture with Cadillac Ventures Inc. on the New Alger gold project in Quebec.

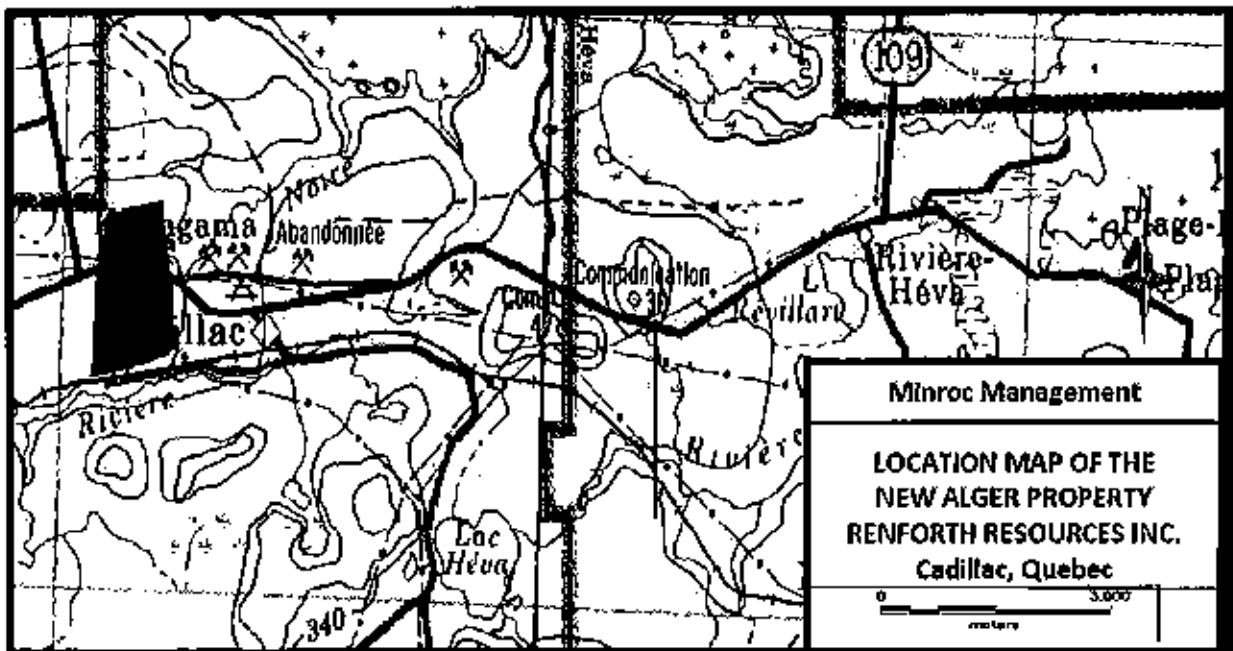


Figure 1. General Location of New Alger Property

4.0 Accessibility, Climate, Local Resources, Infrastructure and Physiography

4.1 Accessibility

The New Alger property is readily accessible by Provincial Highway 117, which bisects the property in an east – west direction just south of the previous mine shafts. The town of Cadillac is located 3 km to the east of the property. Cadillac Township is northwest of Montreal and can be reached by any motor vehicle passing through Highway 117. Distance between the two is 587 km and travel time is 7.5 to 8 hours.

The major towns of Rouyn-Noranda and Val d'Or are located 45 km west and 55km east, respectively. Highway 117 passes through both of these towns, and regional airports are located at both Val d'Or and Rouyn-Noranda. These provide the best means of travelling to the New Alger site from further afield. The small town of Malartic lies between Cadillac and Val d'Or, approximately a 45 minute drive from the site, and is an ideal place to stay while working at the site. Travel by air from Toronto requires a flight to Montreal before taking a second flight to either Val d'Or or Rouyn-Noranda.

Access to the site itself can be made using a number of entrance roads and tracks. Two large cleared areas exist on the south side of the highway, roughly at opposite ends of the property. These can be used as parking areas. At least one track gives access to the north side, in the vicinity of the two shafts. It leads to a cleared area roughly 100m from the highway and is maintained by Hydro Québec. A wide east-west cleared area exists roughly 50-100m south of the highway throughout much of the property, providing relatively easy access to locations suitable for drilling into the Piché Group.

4.2 Climate

The climate is typical of northwestern Québec. The winters extend from November to April and considerable amount of snowfall can be expected, and when built up this snow has been known to exceed a meter in depth. For short periods between mid January to the end of February, the temperature may fall to around – 40°C. Summers are short with temperatures in the range of 5 to 35°C, the latter generally occurring from mid July to mid August.

4.3 Local resources and Infrastructure

The New Alger Property is roughly located in the center of the well-established, Rouyn-Noranda/Val d'Or mining camps with excellent infrastructure and power lines crossing the property. The area has a well-trained workforce for all aspects of exploration, mine construction and mining. The mineral industry in this area is well provided for by companies established in Rouyn-Noranda, Malartic and Val d'Or.

4.4 Physiography and Vegetation

The topography has a well-developed network of streams with good drainage. Much of the ground is higher ground with variable thickness of till. In the immediate area north of the shafts an east-west striking stream has a large beaver dam on it causing extensive

amount of flooding. This stream deviates southward and crosses the Base Line just west of station 5+00E. Beaver dams also exist on this stream on the west part of the property, south of the Base Line. A reasonably flat, east-west cleared area exists roughly 50m south of the highway throughout much of the property, greatly facilitating drilling in this part of the property.

The property is well forested with jack pine, spruce, balsam fir, poplar and birch.

5.0 History

The New Alger Property has a long history of mining and exploration activities. A summary of all works and developments at New Alger is presented below mostly obtained from a report written by B. E. Gorman in 1984 for Sulpetro Minerals Limited, via the 2006 report of Howard Lahti:

5.1 Pre 1980 Activities

1924-1925 – The present property was first staked by E. J. Thompson following the discovery of a wide zone of quartz veining in greywacke 240m south of the present workings. Further exploration led to the discovery of gold mineralization in the Piché Group volcanic rocks in contact with the Pontiac Group greywacke.

1925-1926 – The Huronian Belt Company sank two exploration shafts: #1 (East) to 35 feet and #2 to a depth of 15 feet.

1927 - The Thompson-Cadillac Mining Corporation was formed and continued shaft sinking. The #2 shaft reached 100 feet and the #1 shaft was enlarged to three compartments and deepened to 340 feet.

1929 - The #1 shaft was deepened to 600 feet, with levels at 150, 300, 450, and 600 feet. On the 150 level, the #1 Vein was drifted on for 275 feet, and the #2 Vein for 180 feet. On the 300-foot level both the #1 and #2 Veins were found. A 10-ton Straub mill processed 18 tons of ore with a grade of \$9.74 gold. In November of 1928, 22 tons grading \$7.43 gold was milled. By the spring of 1929 the lower levels were flooding, and pumping kept the mine dewatered to the 300-foot level.

1930 - Reserves down to the 300-foot level were reported as 35,000 tons grading \$8.00 gold. Due to financial difficulties, all work was suspended.

1933 - Thompson-Cadillac Mining Corporation resumed operations. The #1 shaft was dewatered and re-examined. Minor underground development and 877 feet of drilling was carried out.

1934-1935 - The mine was dewatered to the 300-foot level, and later to the 600-foot level during the construction of a mill.

1936 - Lateral development continued to proceed on the 150, 300, and 600-foot levels. On the 150-foot level a drift extending 1000 feet west of the #1 shaft encountered spectacular visible gold. It is reported that 843 troy ounces were handpicked on the 109E stope. Stopes on the three levels provided enough material for a 75-tpd mill. By late 1936 it is reported that the mill was producing 85 tpd averaging \$8.00 gold at the mill-head. Total production for the year was 16,346 tons or \$123,740 gold (3,535 oz. @ \$35/oz.) of which \$68,782 was free-milling (1,965 oz. = 56%), with the remainder as arsenical sulphide concentrates. This represents a recovered grade of 0.216 oz/ton (7.63g/t). Reserves as of February 1937 were reported to be 37,399 tons of an unspecified grade.

1937 - Production for the year was 38,081 tons yielding 1,730.4 ounces, for a recoverable grade of 0.045 oz/ton (1.56g/t). The average mill head for the year was \$5.39 (0.154 oz/ton at \$35 gold). By October 31 a total of 12,995 feet of lateral work was done including 839 feet of stoping on the 150-foot level, 576 feet on the 300-foot level and 124 feet on the 600-foot level. During August 9 DDH (2000 feet) were drilled examining a further 100 feet of strike length. Several encouraging sections were cut.

1939 - A total of 78,247 tons were milled during the year and \$227,004 bullion was recovered (6,486 oz. At \$35 gold) and 2,017 tons of arsenical concentrates containing another 2,875 oz. of gold was recovered. The recovered gold was 0.120 oz/ton. An important discovery was made south of the Cadillac Break on the 150-foot level. This new zone lies between 700 and 1300 feet west of the main zone. According to old notes taken by A.P. Beavan (the O'Brien Division of Sulpetro Minerals) and quoted by B. E. Gorman "It is apparent that Beavan reckoned better possibilities could be found in the greenstones further west".

1939 - The mine operated until July, producing \$143,752 in bullion from 42,381 tons of milled ore (4,097 oz. at \$35 gold). There are no records of any concentrates. The new zone did not persist below the 150-foot level and the only work was done on the 610, and 616 stopes on the 600-foot level. After operations ended in July the mill was leased to Central Cadillac. A memo from H. C. Young (manager) dated August 1st reviewed reserves: 10,457 tons of broken ore in stopes of variable grade and 57,424 tons of probable ore of "average mining grade" in place.

1940-1942 - The mine was kept de-watered and the mill treated ore from Central Cadillac.

1943-1944 - Steps were taken to sell the property, without success. A report by T. Koulimine recommended additional drilling on the west part of the property, concentrating on a system of cross-fractures and renewed exploration in the quartz albitites north of the Cadillac Break.

1945 - Attempts in selling the property having proved futile, a new company called Alger Gold Mining Limited was formed. Diamond drilling began in June, totaling 20 surface holes (9,451 feet) and 48 underground holes (1,447 feet). During December, 103 feet of drifting was done on the 450-foot level, and 178 feet of cross-cutting on the 600-foot level.

1946 - An additional 4 surface holes were drilled on the west zone south of Cadillac Break. Numerous erratic sections of mineralization were found according to resident geologist W. G. Robinson. The total surface and underground drilling amounted to 9,256 feet. In May the shaft was deepened from 620 feet to 850 feet, with 689 feet of cross-cuts and 2,326 feet of drifting.

1947 - The main (#1) shaft reached 1124 feet, with levels established at the 975 and 1100 feet. Two veins ("B" and "C") were opened up and found to join on the 1100-foot level but pinched out 225 feet below. Operations ceased in early 1948.

1949-1950 - The mine and the mill remained idle. A deal was made with O'Brien to process 221.75 tons of arsenical concentrates to recover 491.54 ounces of gold.

1951-1962 - The Company, now New Alger Mining Limited remained idle, as did its operations.

1977-1981 - The property was acquired by A. N. Ferris following New Alger bankruptcy and transferred to Darius Gold Mines Inc. The property remained idle.

5.2 Work completed by Sulpetro Minerals Limited (B. E. Gorman, 1984)

Following the acquisition of the New Alger property as part of the Darius Joint Venture in August 1981 an attempt was made to compile all of the available records of previous work (see above). Between 1982 and 1984 the following work was completed:

- Redrafting of the property boundary based on a 1928 survey by D. R. Lowe at a scale of 1" = 10 chains. The new scale is 1:2,500.
- Surface compilation of diamond drilling (28 surface holes) totaling 14,735 feet or 4,491.2 meters at a scale of 1:1,000.
- Preparation of sections (1:200) at 50 meter intervals extending 600 meters east of the Bousquet-Cadillac TWP line.
- Capping of both shafts.

1987 - Under the Darius Joint Venture deal a magnetometer and VLF geophysical survey (project 2140.21) was done by J. L. Wright and Dr. Barry Gorman. The salient results of the survey were 1) the magnetic survey traced the porphyritic andesite host rock (the mineralized horizon) across the property and inferred the existence of a bulge in the Piché volcanic unit. (See report titled "Darius Joint Venture, New Alger Property, Project 2140.21 Magnetometer and VLF Geophysical Survey, N.T.S. 32D/1.)

- The following work was done (R. V. Zainieriunas 1990):

- 2 drill holes were completed along section 7+75E with a total 273.56m drilled. They were designed to test the Number 3 Zone at a shallow depth.

- 2 trenches just to the west of the #2 shaft were re-opened and sampled.

The log of one of the 2 holes drilled in this year, hole **5061-2**, is available. This was drilled at 50° with a grid-north azimuth, with the collar at the intersect of lines 7+75E and 0+60S, to 175.6m. Mineralization was encountered intermittently from 52 to 77m, in intermediate porphyries and tuffs, with five samples in this interval giving >1000ppb Au and one giving over 10,000ppb over 20cm. Three further samples gave results >1000ppb, coinciding with veining in mafic volcanics at 95.3-96m, and in interbedded pelites and tuffs at 134.6-135.6m.

5.3 Geophysical exploration conducted by JVX Ltd. in Nov-Dec 2006

This extensive program incorporated both magnetic and IP/Resistivity surveys and was carried out on a 100 meter spaced grid, with total field magnetic readings at 12.5-meter intervals and with IP resistivity and conductivity readings at 25-meter intervals on each line. Pseudosections displaying resistivity and Mx chargeability were produced by Goldeye Explorations for each easting line, as well as a contour plan map of the entire site. The most notable anomaly, besides those clearly produced by power lines or topography, is an east-west-oriented conductive and magnetic (up to 2500nT) band aligned with line 1+50N. This is roughly 100m wide, dips northward at approximately 45° and clearly correlates with the mineralized units of the Piché Group. Four outlying IP anomalies were found, and exploratory drilling was recommended at each of these locations. Further information on these surveys and their results can be found in a report produced by Blaine Webster and Ian Johnson of JVX, dated March 2007, Ref. 6-71.

Instrumentation

Instruments used are described in Webster & Johnson:

Resistivity:

Scintrex IPR12 time domain receiver

Scintrex IPC7 2.5kW/TSQ3 3kW time domain transmitter

Magnetometry:

GEM Systems GSM-19 magnetometer

EDA OmniPlus magnetometer

5.4 Drill program conducted by Cadillac Ventures in 2007-2008

Twelve holes (NA-07-01 to 12) were drilled at New Alger between September and December 2007. Eight of these (NA-07-05 to 12) were drilled in a roughly east-west band, within 100m of the highway on the south side with azimuths typically 360° (grid north) and dips between 50 and 70°. These were aimed at the two intermediate porphyritic units in the Piché Group which were exploited for gold previously and the east-west striking body picked up by the earlier geophysical surveys. The remaining four holes targeted the outlying geophysical anomalies, two each in the Pontiac and Cadillac

sediments. Several of the holes drilled in this year deviated significantly from their planned azimuth – this was always eastward and by as much as 20°. This also happened with some 2008 holes.

6 holes, totaling 1707m, were drilled in 2008 to spatially characterize the mineralization discovered by the 2007 holes. Four of these holes were overcuts of 2007 holes in the Piché Group while two (NA-08-01 and 02) undercut and outstepped hole NA-07-02 on an outlying mineralized body.

6.0 Geological Setting

6.1 Geological context

The New Alger Property is located in the eastern part of the Abitibi Greenstone Belt, which extends from Timmins in Ontario to Val d'Or, Québec. This Archean belt is part of the Superior Province of the Canadian Shield. The underlying rocks of the area belong to those of the Pontiac, Piché, Blake River and Cadillac Groups. The rocks of the area are all in the greenschist metamorphic facies, and chlorite and epidote are present as common alteration minerals in many of the lithologies on-site. Figure 2 presents the general geology at the New Alger property.

In the immediate vicinity of the property, the rocks form a series of east-west trending units of metavolcanics and metasediments arranged around the Malartic Syncline. This structure, along with the Cadillac Fault, represents the predominant structural feature of this area.

The six gold ore bodies: New Alger, Central Cadillac, Wood Cadillac, Pandora and Lapa Cadillac are all located close to or in the Cadillac Fault Zone. They are all part of the Piché Group except Shaft N° 4 of Pandora, which was sunk into sediments of the Pontiac Group. These mines produced over 24 tons of yellow metal from 1930 to 1986.

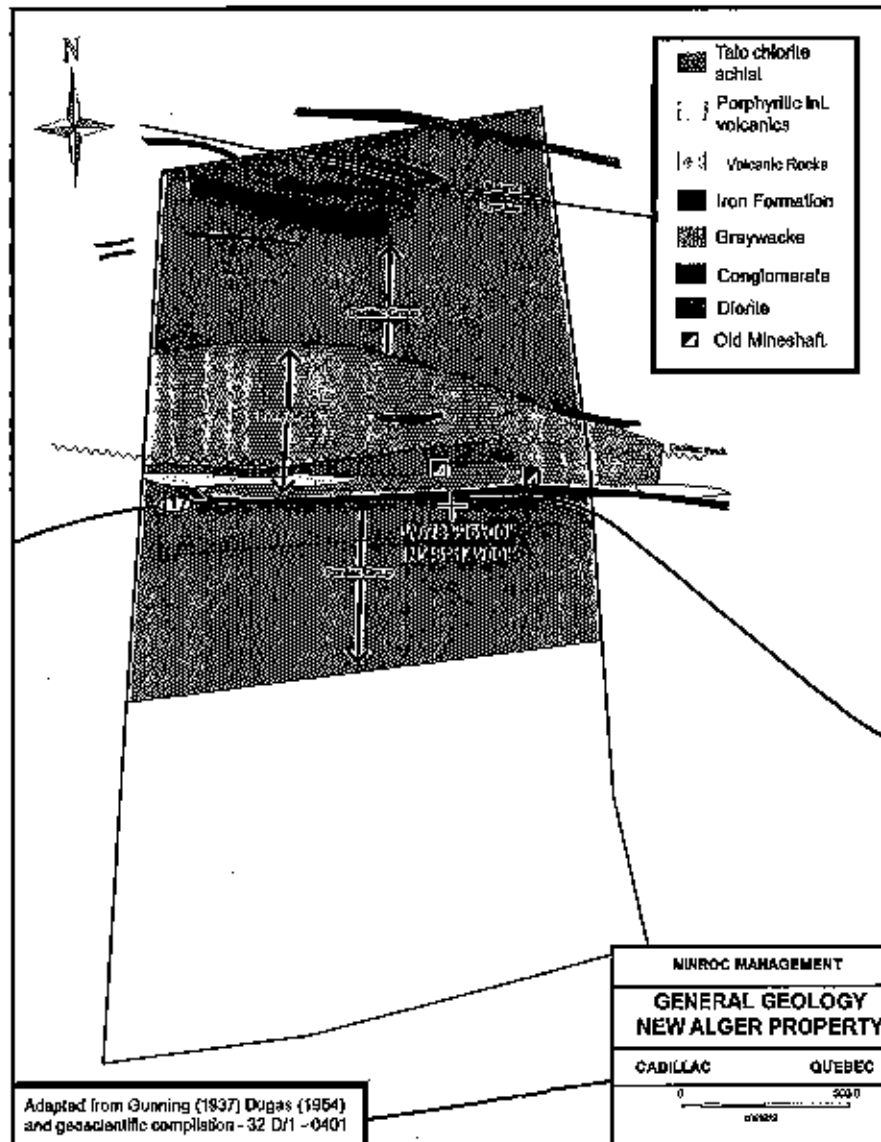



Figure 2: General Geology of the New Alger Property

A generalized stratigraphic column of the Abitibi Belt in the vicinity of New Alger is presented below:

TOP	PROTEROZOIC	Abitibi rocks
	CADILLAC GROUP	Sedimentary rocks. Basaltic flows and thin beds of igneous rocks and thin beds of conglomerate with this group has mainly greywacke and argillite (greywacke with thin beds of argillite) and of thin beds of argillite and thin beds of argillite. Also some mafic and ultramafic flows.
	PONTIAC GROUP	Volcanic rocks. The north part of the group consists of andesite and basaltic flows with thin beds of argillite and thin beds of argillite. The central part of the group is mainly argillite and thin beds of argillite (in the zone of the north part of the group). The south part consists of argillite and thin beds of argillite.
	PICHÉ GROUP	Volcanic rocks. Basaltic flows and thin beds of andesite and thin beds of argillite. Mostly volcanic flows (andesite and basaltic) and thin beds of argillite with intercalations of argillite and thin beds of argillite.
	ROCHELLE GROUP	Volcanic rocks. Basaltic flows and thin beds of andesite and thin beds of argillite. Mostly volcanic flows (andesite and basaltic) and thin beds of argillite with intercalations of argillite and thin beds of argillite.
	PONTIAC GROUP	Sedimentary rocks. Generally well-sorted argillite and quartzite greywacke. Few conglomerate lenses, especially in the north and thin beds of argillite. Some thin beds of argillite. Mostly volcanic flows and thin beds of argillite.

6.2 Geology of the New Alger Property

New Alger is overlain by the Pontiac, Piché and Cadillac units. These rocks are located on the south limb of the Malartic syncline whose axis passes across the north-east part of the property.

6.2.1 Pontiac Group

The Pontiac Group mainly consists of greywacke. These immature sediments are locally interbedded with argillites and local mafic and ultramafic flows. Some talc-chlorite schist horizons have been intersected in recent drilling, in the middle of the property. The rocks of this group are similar to those of the Cadillac Group but they are slightly more metamorphosed with higher biotite and sericite content. A thin band of polymictic conglomerate marks the north limit of the Pontiac Group. This conglomerate seems to pinch out westward.

6.2.2 Cadillac Group

This group is essentially made up of greywacke with few intercalated long and thin (up to 15 m thick) polymictic conglomerate lenses, talc-chlorite-carbonate schist, siltstone, argillite with graphitic mudstone and thin iron formation horizons. These quartz-magnetite iron formations, along with horizons of porphyritic flows and dacite (or diorite) mostly occur in the north part approaching the Malartic syncline axis.

6.2.3 Piché Group

The Piché Group, along with the associated Cadillac Fault Zone, forms a thin east-west band occupying the center of the property. The southern limit of this group roughly follows Highway 117. The rocks of the Pontiac and the Cadillac groups are respectively located south and north of those of the Piché Group. The Piché Group rocks consist in a mixture of massive intermediate to mafic lava flows with local porphyritic horizons, tuffs and schistose rocks of uncertain origin. Aplite and diorite have intruded the above formations, especially in or close to the Cadillac Break zone, which varies from 30 to 60 meters in thickness on the property (up to 180 meters on the western part of the property as reported from previous drilling). The gold exploited and the gold mineralization observed in past and recent drilling on the New Alger Property is found within the Piché rocks located south of the Cadillac Break. Figure 7 presents the general stratigraphy of this portion of the Piché Group. Figure 3 is the detailed geologic map of the Piché Group in the property. The stratigraphic description of the Piche Group is presented in the following page.

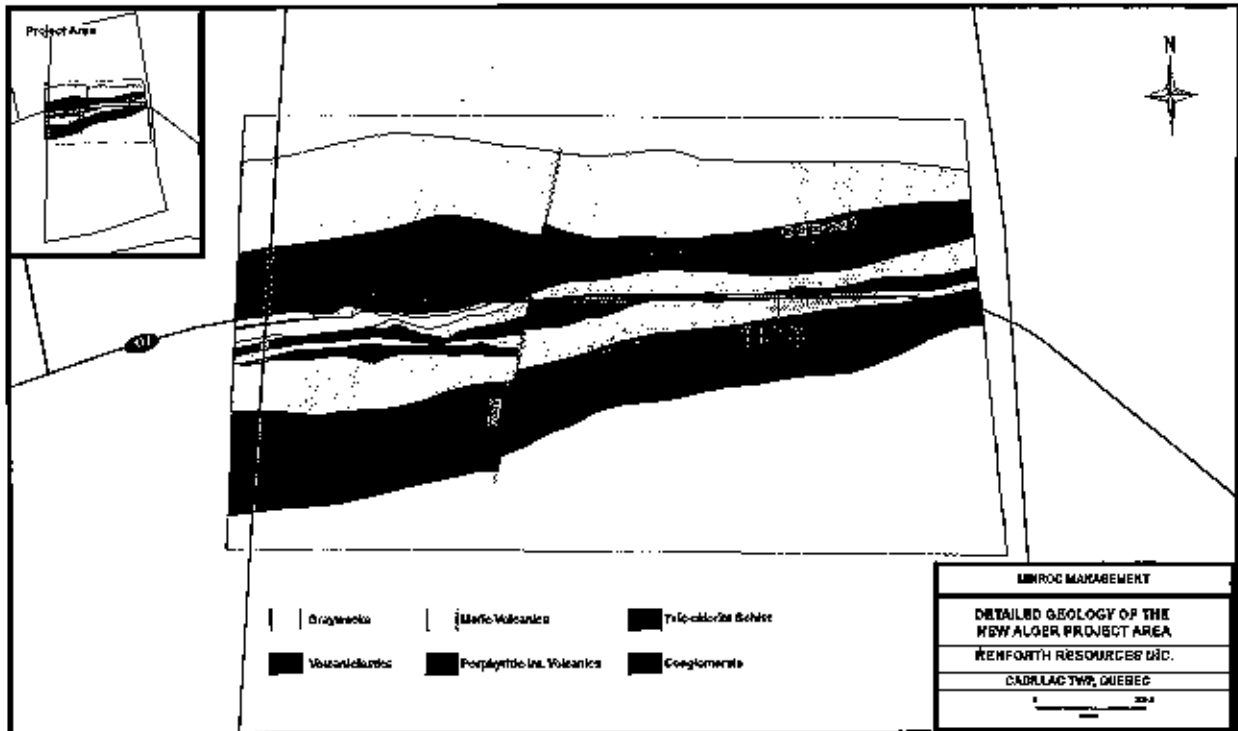
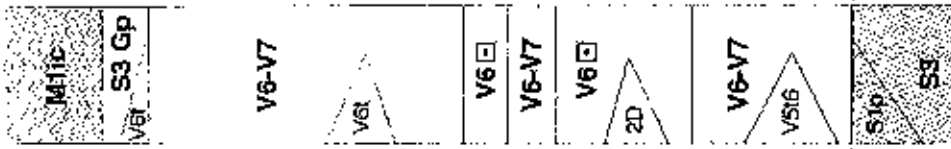


Figure 3: Detailed geology of the Piché Group



Tale chloritic schist in contact with graywacke marking the southern limit of the Cadillac Break

The formations of the Piché Group mainly consist of volcanic rocks with intercalations of numerous rock types of different origins being either sedimentary or intrusive. These are:

Volcanic rocks Mafic to intermediate (locally porphyritic), tuffs, coarse grained volcanics and silicified rocks.

Non porphyritic lavas (V6-V7): Generally fine grained, dark green and chloritic (pale grey when altered), massive and variably carbonated and biotitized. These rocks are mostly made up of hornblende and highly altered plagioclases. The northernmost unit is covered by a layer of black graphitic tuff (V6t) followed by graywacke and then by the tale chloritic schist of the Cadillac Break.

Silicified and recrystallized volcanics rocks: These are present all along the Cadillac Break. These rocks are green and chloritic of brown and rich in biotite. Some appear to be elastic and could be tuff originally. Mineralized "vein No 2" at New Alger is contained in a highly altered brown lava of this type of rock.

Porphyritic lavas (V6t): Intermediate to felsic (trachionally andesitic), green, coarse grained and massive. These rocks are characterized by up to 1 cm highly altered albite phenocrysts in a green to brownish green (due to biotite) matrix essentially made up of feldspars and quartz with variable amounts of biotite, chlorite, carbonate, apatite, white mica Fe sulphides and tourmaline. Two main units of porphyritic lavas occur. **The south porphyry** is generally more mafic and varies from 15 to 30 meters. **The north porphyry** is more felsic is more siliceous, grey, and strongly porphyritic and is marked by sharp contacts. Its thickness varies from a few meters to 12-15 meters but it is reported that it can reach 60 meters at the east end of the mine. The north porphyry is generally altered to carbonate, bionite, arsenopyrite and pyrite. It is locally "bleached". Occasional graphitic tuff covers the north porphyry.

Volcaniclastic rocks: Tuff, breccia and agglomerate

Tuff (V6t): Dense, greenish grey, made up of plagioclases microfragments in a feldspar and quartz matrix and with brown biotite, tourmaline and pyrite as accessory minerals. Sometimes difficult to distinguish from graywacke.

Agglomerate or agglomeratic tuff? (V6t): Similar to above but with rock fragments.

Diorite (2D): Irregular masses with long axis parallel to stratification of surrounding rocks. Generally green, coarse grained and essentially composed of plagioclases and hornblende with sericite, chlorite, quartz and magnetite as alteration products.

The thickness of Piché Group south of the Cadillac Break increases from around 110 meters from Section 8E to 140 meters on Section 5-50E. It is reported to be 200 meter thick in the west part of the property.

Polymictic conglomerate (S1p)
Graywacke (S3)

PONTIAC GROUP

Stratigraphy of the Piché Group south of the Cadillac Break

6.3 Structure

The above formations are generally east-west trending with sub vertical dip to the south.

The main structural features of the area are the Malartic Syncline and the Cadillac Fault Zone, the latter being immediately north of the gold mineralization on New Alger. Both of these structures are aligned east-west.

The Cadillac Fault corresponds to a talc-chlorite-carbonate schist zone with aplite intrusions. This structure, which is found close to or within the Piché Group, is roughly striking east-west and is sub vertical, as is the stratigraphy of the enclosing rocks.

The structural geology and lithology of the surrounding areas is presented in Figure 4.

Previous compilation work on the A series DDH in the west part of the property (from the Bousquet – Cadillac TWP line to Line 6 E), has identified a transverse fault crossing the Base Line around station 5+25 E. This fault is likely part of a major fault zone running N 16° E that crosses the BL around 4+80 E, as suggested by the results of the 2006 IP survey.

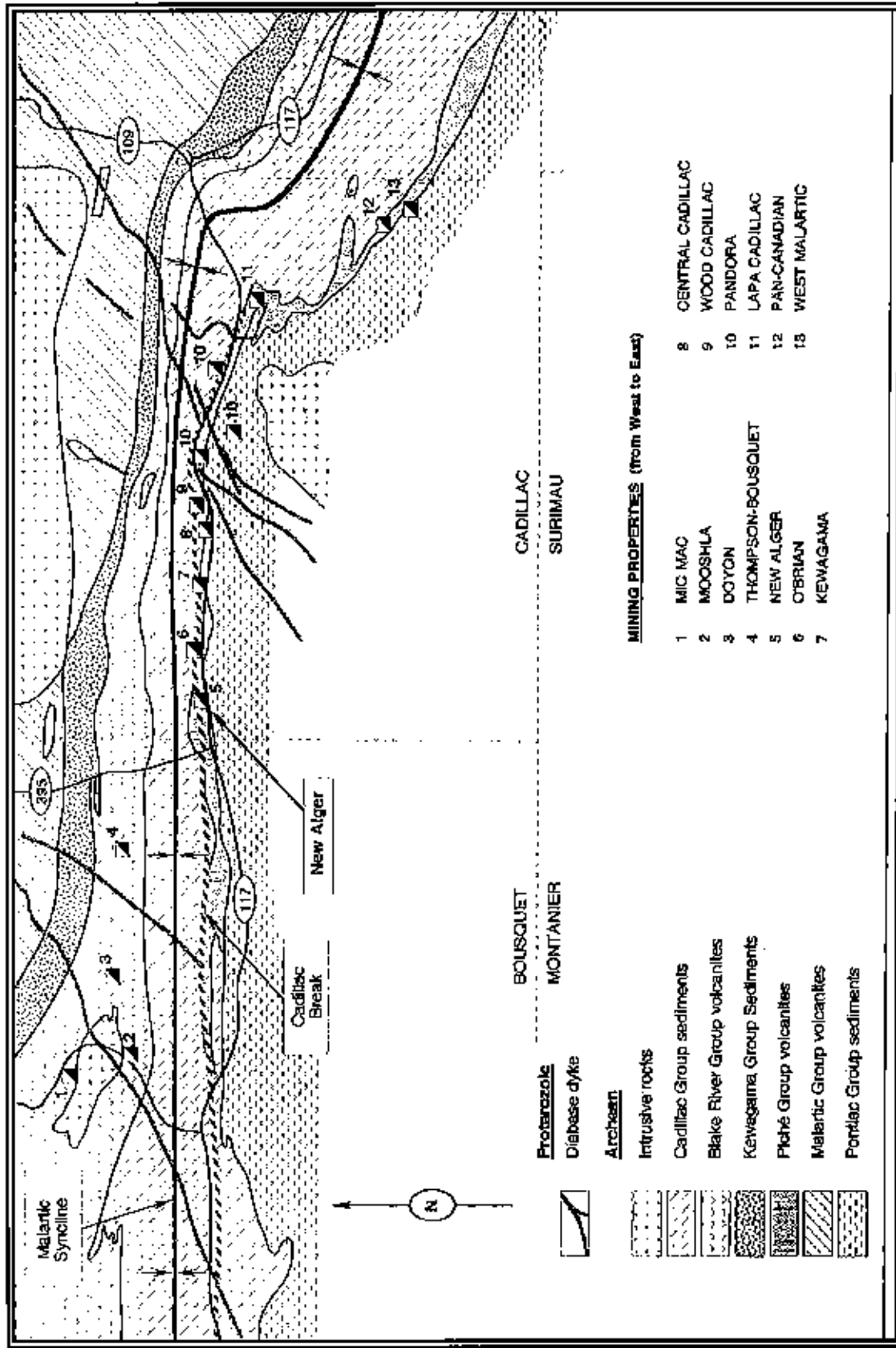


Figure 4: Structural Geology and Lithology of the surrounding area

7.0 Deposit Types

Three types of mineralization related to distinct gold-bearing geological settings characterize the Doyon-Bousquet-LaRonde Mining camp:

- Gold bearing massive sulphide lenses (Bousquet 2 and LaRonde mines).
- Gold-rich polymetallic veins (Doyon and Mouska).
- Auriferous veins associated with regional E-W trending faults (O'Brien, Thompson Cadillac (New Alger), Wood Cadillac and Lapa)

8.0 Mineralization

At the New Alger Mine, gold was contained in two quartz-carbonate veins with variable amounts (trace to 10%) of sulphides; the most common being arsenopyrite, pyrite, chalcopyrite and pyrrhotite. These veins, rarely exceeding 50cm in thickness, occupy the center of thin linear shear zones parallel and south of the Cadillac Break. These shear zones are respectively located in the south and the north porphyry units. Most of the gold mineralization (varying from trace amounts to 87.8g/t over 0.2m) is found in the bluish quartz vein (Vein #1) associated with arsenopyrite-biotite within the "South Porphyry Unit". Vein #2, occurring in the "North Porphyry Unit" is located about 35m north of Vein 1. The unexploited North Porphyry contains several wider zones of biotite-arsenopyrite mineralization although quartz veining is minor.

In the west part of the mine many parallel quartz lenses are mineralized similar to veins 1 and 2. Veins A, B, C and D are fracture fillings located on the north side of porphyritic volcanics. The wall rocks of the mineralized veins are generally carbonated and biotitized and also mineralized (arsenopyrite). The thickness of the mineralized wall rock is highly variable but can reach 6 meters.

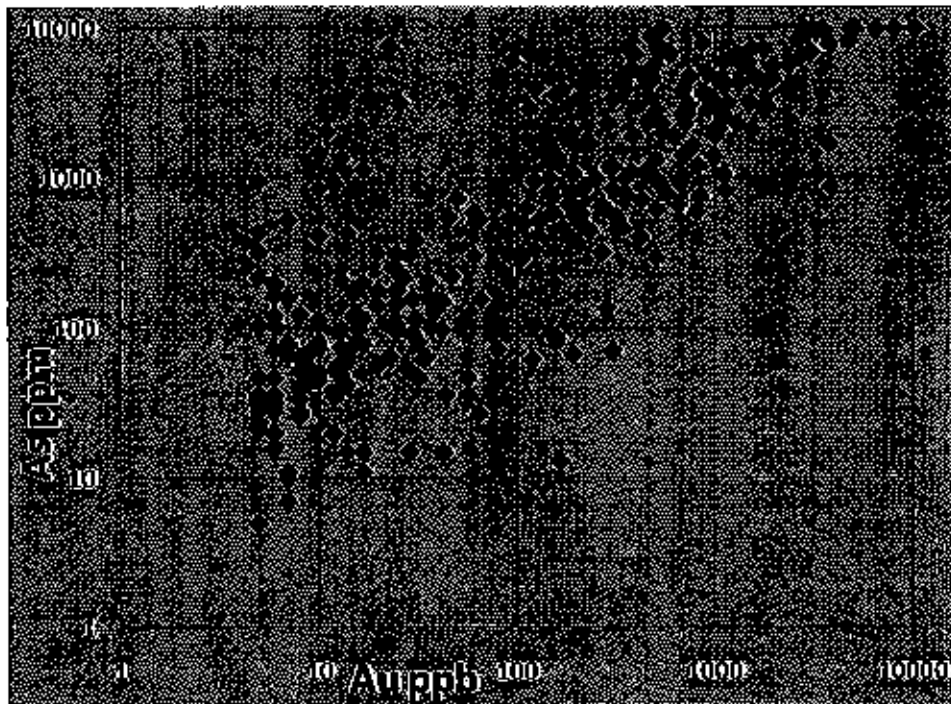


Figure 5: Logarithmic plot of Au-As values for all available 2010/2011 sample data. Values of 10000 indicate results above the detection limit.

Gold mineralization associated with arsenopyrite is found in all lithologies at New Alger. Arsenopyrite is frequently visible within the two primary mineralized bands in the Piché volcanics (notably alongside biotite and blueish quartz veining), and can also be found within and around veining in the Pontiac and Cadillac greywackes. The highest gold values seem to correlate with the presence of arsenopyrite in the form of coarse blades (up to 3mm length). Assay results from 2010/2011 program clearly indicate a strong positive correlation between Au and As values, and assuming that arsenopyrite is the only major carrier of arsenic, then its value as a gold indicator is clearly emphasized.

9.0 Exploration

9.1 2007 Drill Program by Cadillac Ventures

Twelve holes (NA-07-01 to 12) were drilled at New Alger Property by Cadillac Ventures between September and December 2007. Eight of these (NA-07-05 to 12) were drilled in a roughly east-west band, 20-50m south of the highway with azimuths typically 360° (grid north) and dips between 50 and 70° and aimed at two intermediate porphyritic units in the Piché Group which were exploited for gold previously (described in the following section) and the east-west striking body picked up by the earlier geophysical surveys. The remaining four holes targeted the outlying geophysical anomalies, two each in the Pontiac and Cadillac sediments (these units are described in the following section). Several of these holes, especially towards the east of the property in the presence of old mine works, deviated significantly from their planned azimuth – this was always eastward and by as much as 20°. This also happened with some 2008 and 2010 holes. Hole details and descriptions follow:

Hole	Grid location	Angle at collar	Azimuth at collar	Length (m)	Target
NA-07-01	3+00E / 4+45N	-51°	180°	125	IP target
NA-07-02	6+00E / 7+30N	-51°	180°	250	IP target
NA-07-03	11+00E / 4+70S	-50°	360°	125	IP target
NA-07-04	13+00E / 3+80S	-51°	360°	250	IP target
NA-07-05	13+00E / 0+75S	-60°	360°	360	Mine area
NA-07-06	12+50E / 1+50S	-65°	360°	482	Mine area
NA-07-07	9+00E / 1+32S	-66.5°	358°	412	Mine area
NA-07-08	5+50E / 1+50S	-65°	358°	345	Mine area
NA-07-09	5+00E / 2+00S	-70°	356°	453	Mine area
NA-07-10	10+00E / 1+30S	-63°	358°	399	Mine area
NA-07-11	8+00E / 1+50S	-63°	360°	372	Mine area
NA-07-12	6+50E / 1+65S	-63°	360°	372	Mine area
Total				3945	

Table 1. Details of 2007 Drillholes

In the Piché Group rocks located south of the Cadillac Break, gold mineralization is present in all holes (NA-07-05 to 12). The interpretation of the results suggests the presence of two major mineralized horizons, both being more or less parallel to the Cadillac Break zone:

The south horizon has been traced over a strike length of 750m at depth ranging from 150m on Sections 5+50E to 260 and 380m below surface on Section 13E. The thickness of the south horizon varies from 1.3 to 1.7m on its west end (Sections 5+50E and 6+50E) to reach a maximum of 4.1m in its center (Section 9E). On the east end, Section 13E, the thickness varies from 3 to 2.7m from 260 to 380m below surface.

The north horizon is lenticular and has been traced over a strike length of about 350m at depth ranging from 275m on Sections 6+50E and 8E to 300m below surface on Section 9E.

The two IP anomalies located in the Cadillac Group sediments were explained by the presence of disseminated sulphides in altered greywacke. Hole **NA-07-02** returned **6.15 and 4.44 g/t Au** adjacent to a 50cm chlorite-rich section containing 15-20% pyrrhotite-pyrite. The best IP anomaly drilled in the Pontiac sediments was explained by the presence of four graphite rich horizons containing up to 40% quartz and up to 10% pyrrhotite locally. Hole **NA-07-04**, which tested this anomaly, returned **5.13g/t Au** over 90 cm (core length) section of silicified greywacke containing 5-10% bluish quartz and traces of arsenopyrite. The other IP anomaly, tested by hole **NA-07-03**, could be explained by the presence of argillaceous greywacke containing disseminated pyrite throughout from 85.1 to 125m. Further gold mineralization in the Pontiac Group greywacke was encountered by holes **NA-07-05** and **NA-07-06**. In both holes, the gold mineralization occurs in brecciated or fault zones containing quartz veins and minor arsenopyrite. A 60cm (true width) intersection returned **1.77g/t Au** in hole **NA-07-05**. In hole **NA-07-06**, a 1m (true width) zone containing 1-2% arseno and up to 1% pyrite returned **2.66g/t Au**.

2007 hole details:

Hole **NA-07-01**, drilled on Line 3E to verify high coincident resistivity located at 4+00N, mainly intersected greywacke (locally slightly conglomeratic) and a 30 cm quartz magnetite iron formation (QMIF) from 53.3 to 53.6 meters. Local thin biotized and/or carbonated zones with trace to 1-3% sulphides (pyrrhotite, pyrite and arsenopyrite) were intersected. A highly deformed and schistose fault zone with pyrrhotite (occurring as void filling and as fracture plane coating) was intersected from 61.9 to 62.9 meters. 22 samples (23551 to 23572) were sent for analysis; the best sample returned 37 ppb Au.

Hole **NA-07-02** was drilled on Line 6E to verify the east end of a 500 m long east/west trending IP zone where coincident high chargeability and low resistivity values were obtained (station 6+25N). The hole started in a diorite down to 42.9 meters, the rest being in greywacke. The greywacke is locally highly schistose (quartz-biotite-chlorite schist) and contains traces to 3-5% pyrite locally (up to 10 % pyrite from 137.25 to 137.75 meters). Fifty samples (23600 to 23649) were sent for analysis. Sample 23633, taken from a schistose zone, adjacent to a 50 cm chlorite rich section containing 15-20% pyrite-pyrrhotite, returned **6.15 and 4.44 g/t Au** (ref. Certificate of Analysis VO 08019471). It is to be noted that the rock is locally highly fractured from 78.4m down with pyrite often found as coating on fracture planes. We believe this fracturing to be associated with late stage transverse faulting (N16°E) crossing the baseline at around 4+80 E.

Hole **NA-07-03**, drilled on Line 11 E to verify IP anomaly 11H (4+00S to 4+75S) intersected locally schistose greywacke with a portion argillaceous greywacke from 85.1m to the end of the hole. A highly chloritic section containing numerous quartz

veins from 58.4 to 62.8 meters returned anomalous gold values (38-632 ppb Au). Twenty-five samples (23650 to 23674) from this hole were assayed.

Hole **NA-07-04** was drilled on Line 13 E to test IP anomaly 13A, one of the best IP anomalies on the grid in terms of clarity, quality and amplitude. The hole intersected greywacke (some being argillaceous or arkosic) and graphite rich zones (85.1 to 87.1m), (162.1 to 167.0m), (175.7 to 179.9) and 192.5 to 193.4). The graphite rich zones are generally silicified, they can contain up to 40% quartz bands and up to 10% pyrrhotite. 70 samples were sent for analysis (23675 to 23744). Anomalous gold values were obtained from slightly silicified and schistose greywacke samples containing variable amounts of bluish quartz seams; the best result being from sample 23684 (38.1 to 39.0 m) with **5.13 g/t Au** (ref. Certificate of Analysis VO 08019473)

Eight holes (**NA-07-05 to 07-12**) were drilled to test for potential mineralized shoots at depths ranging from 250 to 400 meters along the known mineralization of the former Thompson-Cadillac Mine from Line 13 E to Line 5 E. Typically, the eight holes drilled into the Cadillac Break all encountered similar mineralized sections and below is an example from Hole NA-07-09 of the mineralized units intersected. A detailed description of each hole is available under a separate report on the 2007 Drill Program authored by Brian Newton.

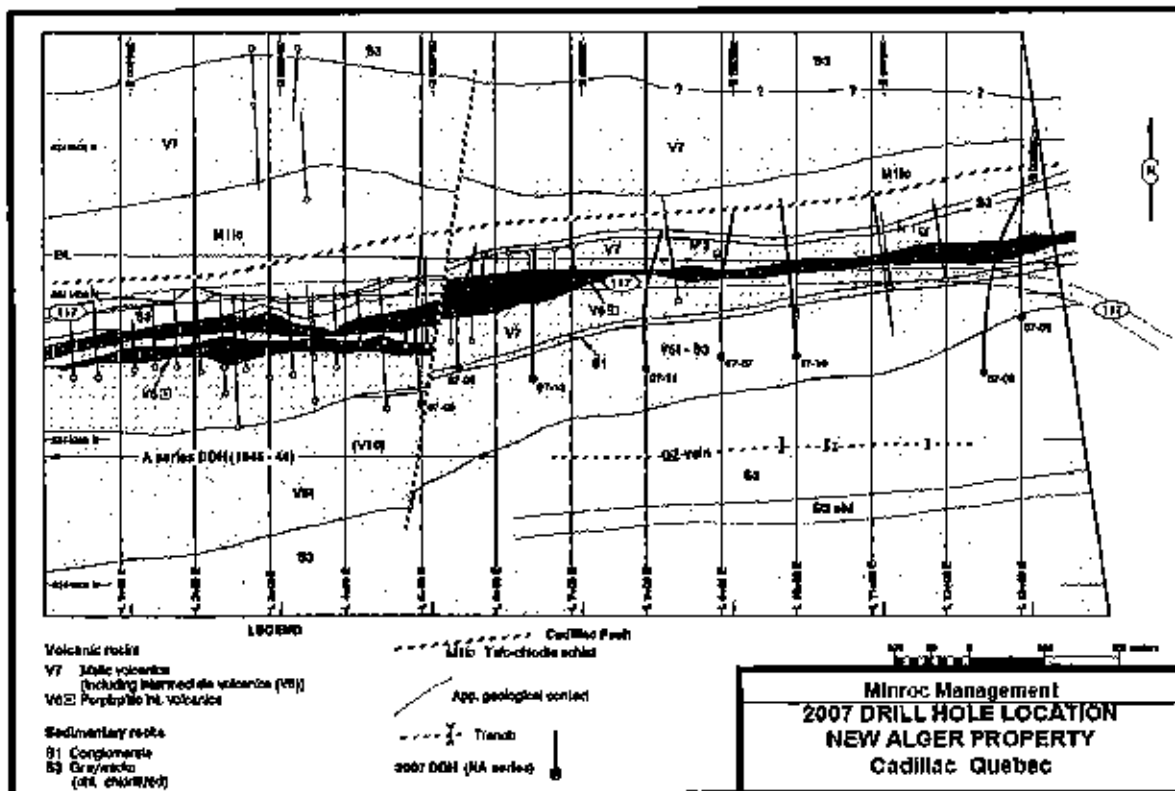


Figure 6. Map showing locations of 2007 holes. Surface traces based on collar azimuth and dip only.

Hole NA-07-09:

Mineralized zone A is a 30cm wide (true width) carbonated tuff containing 2-3% bluish QZ, ½-1% Asp and **18.45 g/t Au**.

Mineralized zones B and C are both within carbonated int. to mafic volcanics. Zone B, containing 5-7% diss. PY and minor Asp., returned **6.19 g/t Au over 0.4m** (true width). Zone C, which averaged **1056 ppb Au over 3.8m** of core, occurs in a brownish to beige (bleached) and silicified zone containing 3-10% PY and 1% Asp. A one 1.2m (true width) intersection of this zone returned an average of **1.01 g/t Au**.

Mineralized zone D is a 40 cm (true width) intersection of carbonated tuff containing 1% diss. PY-PO, Tr-1% Asp. and **1.21 g/t Au**.

Mineralized zone E consists in a BI-rich intersection of intermediate volcanics with ½-1% Asp and traces of PY. This intersection returned **1.07 g/t Au over 0.3m** (true width).

Mineralized zone F is a brownish BI-rich intersection of tuff containing 20-30% bluish QZ seams and 2-3% Asp needles. This 0.8m (true width) zone returned **3.08 g/t Au**.

The assay results, true width, weighted averages and a short description of the above mineralized intersections are presented here:

Table 2. Gold mineralized intersections in Hole NA-07-09 with a brief description of the host rocks. The most significant values are in bold character (zones and intersections).

NA-07-09	From (m)	To (m)	Length	True width	Au ppb	Au g/t	WA Au g/t	Description of mineralised zone	
Intersection A	297.5	299.2	1.7	0.7	4578	18.45	18.45	Carb. Banded V6t with 2-3% bluish QZ, trace PY-AS	
	297.5	298.5	1	0.7	783				
	298.5	299.2	0.7	0.3	>10000				
	299.2	300	0.6		164				
Intersection B	311.7	312.4	0.7	0.4	292	(6.19)*	6.19	Carb. V6-V7 with 5-7% diss. PY, 1% AS	
	312.4	313.3	0.9		6190				
	313.3	314.3	1		178				
zone C	319.3	323.1	3.8	1.2	1056	1.38	1.01	Brownish-beige. bleached V6-V7 with 3-10% PY, 1% AS	
	319.3	320.3	1		480				
	320.3	323.1	2.8		0.43				1626
	320.3	321.3	1		0.56				257
	321.3	322.6	1.3		0.21				3360
	322.6	323.1	0.5						128
Intersection D	342	342.6	0.6	0.4	240	1.21	1.21	Carb. Banded V6t with 1% diss PY-PO Trace to 1% AS	
	342.6	343.7	0.9		1260				
	343.7	344.6	0.9		269				
Intersection E	349.5	350.6	1.3	0.3	278	(1.07)*	1.07	BI-rich V6 with ½-1% AS. Trace PY	
	352.6	353.2	0.6		1070				
zone F	384.7	385.7	1	0.8	80	5.2	3.08	BI-rich V6t with 20-30% bluish QZ seams, 2-3% AS	
	385.7	387.5	1.8		0.36				5020
	385.7	386.5	0.8						1326
	386.5	387.5	1		0.44				1.38

Notes: - The true width and weighted average of mineralized zones appear on the first line of the zones. - (-)* indicates values extrapolated from ppb readings. - ** indicates average values obtained from two or more assay results (repeats etc.)

Table 3: Summary of gold mineralized intersections in holes NA-07-05 to 07-12 with their 3D locations and general lithologies (units) in which they occur.

	From (m)	To (m)	Length	Width	Au ppb	Au g/t	Line	Station	Depth	Mineralized lithology
NA-07-05 (collar on 13+00E)	131.7	132.6	0.9	0.6	1680	1.77	13+00 E			S3 (A)
	258	260	2	1.3	1473	1.47	13+00 E	59 N	-216	S V6 Porph. (B)
	280.2	280.9	0.7	0.45	1185	1.04	13+00 E	70 N	-234	S V6 Porph. (C)
	310.4	314.8	4.4	3	2667	2.75	13+01 E	88 N	-260	N V6 Porph. (D)
NA-07-06 (collar on 12+50E)	265.8	287.6	1.7	1	2594	2.66	12+83 E	36 N	-332	V6 carb. (A)
	407.7	408.3	0.6	0.4	6090	6.76	12+86 E	48 N	-350	S V6 Porph. (B)
	445.6	449.6	4	2.7	1294	1.26	12+93 E	69 N	-383	V6 (C)
NA-07-10 (collar on 10+00E)	259.5	272.5	13	6.4	837		9+85 E	07 N	-214	V6 shear zone(A)
	259.5	260.6	1.1	0.7	1590	1.66				
	262.4	267.2	4.8	3.3	1267	1.41				
	270.8	271.8	0.8	0.5	1105	0.94				
NA-07-07 (collar on 9+00E)	241.5	249.6	8.1	4.1	1841	1.64	9+04 E	21 S	-210	S V6 Porph. (A)
	263.9	255	1.1	0.6	>10000	12.35	9+04 E	16 S	-217	S V6 Porph. (B)
	293.1	295.7	2.6	1.3	2652	2.78	9+07 E	03 N	-252	V6-V7 (C)
	327	328.7	1.7	0.9	6541	6.58	9+11 E	21 N	-280	V6-V7 (D)
	345.3	358.2	12.9		1182		9+13 E	34 N	-301	V6-V7 (E)
	345.3	349	3.7	1.9	1950	2.45				
	355	357.7	2.7	1.4	1861	3.03				
	379.1	380.1	1	0.6	2600	3.36	9+16 E	48 N	-324	V6-V7 (F)
NA-07-11 (collar on 8+00E)	231.4	242	10.6	6.4	683		8+14 E	32 S	-200	V6-V7 (A)
	231.4	232.1	0.7	0.4	1300	1				
	235.1	236	0.9	0.5	1095	1.41				
	241	242	1	0.6	1440	1.35				
	261.1	283.3	2.2	1.3	935		8+20 E	21 S	-221	V6-V7 (B)
	261.1	262.2	1.1	0.7	1340	1.4				
	274.1	277.3	3.2	1.6	850		8+22 E	14 S	-234	V6 porph. (C)
	274.9	275.7	0.8	0.5	1420	1.26				
	292.2	296.2	4	2.6	783		8+24 E	04 S	-249	Tuff (D)
	294.2	295.2	1	0.6	1295	1.32				
	303.7	304.2	0.5	0.3	4080	3.18	8+25 E	01 N	-256	V6-V7 (E)
	318	327	9	5.6	1265		8+27 E	11 N	-273	V6-V7 (F)
	318	320	2	1.2	3220	3.08				
324.9	327	2.1	1.3	1035	1.04					
NA-07-12 (collar on 8+50E)	175	178.5	3.5	1.9	1240		6+52 E	73 S	-153	Tuff (A)
	175	177.4	2.4	1.3	1510	1.8				
	257.6	259	1.4	0.8	614		6+51 E	41 S	-222	S V6 Porph.
	300.6	301	0.5	0.3	3980	3.94	6+50 E	19 S	-258	Tuff (B)
	323.2	326.3	3.1	1.9	1600		6+49 E	05 S	-276	V7 (C)
	323.2	325.2	2	1.3	2200	2.05				
NA-07-08 (collar on 5+50E)	100.2	103.6	3.3	1.7	2840	3.07	5+54 E	103 S	-93	V7 (A)
	224.1	229.8	5.7	3.2	571		5+84 E	45 S	-201	S V6 Porph. (B)
	224.1	224.7	0.6	0.3	1275	1.5				
	236.2	239.7	1.5	0.8	610		5+65 E	38 S	-212	S V6 Porph.
	258.1	282.2	4.1	2.2	926		5+87 E	28 S	-230	S V6 Porph. (C)
259.3	282.2	2.9	1.6	955	1.01					
NA-07-09 (collar on 5+00E)	297.5	299.2	1.7	0.7	4578		4+91 E	91 S	-277	S V6 Porph. (A)
	298.5	299.2	0.7	0.3	>10000	18.45				
	312.4	313.3	0.9	0.4	6190	6.19	4+92 E	85 S	-289	V7 (B)
	319.3	323.1	3.8		1056					V7 (C)
	320.3	323.1	2.8	1.2	1263	1.01	4+92 E	81 S	-298	
	342.8	343.7	0.9	0.4	1260	1.21	4+93 E	72 S	-313	V7-S V6 Porph. (D)
	352.6	353.2	0.6	0.3	1070	1.07	4+94 E	68 S	-327	V7 (E)
	385.7	387.5	1.8	0.8	2967	3.06	4+96 E	64 S	-357	V7 (F)

9.2 2008 Drill Program by Cadillac Ventures

6 holes, totaling 1707m, were drilled in 2008 to spatially characterize the mineralization discovered by the 2007 holes. Four of these holes were overcuts of 2007 holes in the Piché Group while two (NA-08-01 and 02) undercut and outstepped hole NA-07-02 on an outlying mineralized body.

Hole	Grid location	Angle at collar	Azimuth at collar	Length (m)	Target
NA-08-01	6+00E / 7+30N	-85°	180°	249	IP target at NA-07-02
NA-08-02	6+50E / 7+30N	-50°	180°	249	IP target at NA-07-02
NA-08-03	9+00E / 1+35S	-50°	360°	306	Mine area at NA-07-07
NA-08-04	12+50E / 1+55S	-50°	360°	300	Mine area at NA-07-06
NA-08-05	5+00E / 2+00S	-50°	360°	303	Mine area at NA-07-09
NA-08-06	9+50E / 1+40S	-50°	360°	300	Mine area at NA-07-07
Total				1707	

Table 4. Details of 2008 Drillholes

The two holes aimed at the IP anomaly at NA-07-02, (NA-08-01 and NA-08-02) both returned low-grade gold anomalies, but only one sample returned an assay over 1g/t (in NA-08-01; **2.79g/t** over 0.5m). These generally low values perhaps indicate that as one steps away from the cross-cutting linear feature (NE fault lineament) values drop off considerably. It is interesting to note that the widespread anomalous gold values were all included in the greywackes of the Cadillac Group sediments well outside the envelope of the Cadillac Break. The four holes overcutting 2007 holes in the previously mined area all intercepted mineralization, occurring in breccia or fault zones containing quartz-carbonate veins and minor arsenopyrite.

2008 hole details:

The area where the IP anomaly is located in the Cadillac Group sediments (off Line 6+00E @ 7+30N) was explained by the presence of disseminated sulphides in altered greywacke. Hole **NA-08-01** returned **2.79 g/t over a half meter intercept from 39.75-40.25m**, and 2.73 g/t as a check assay on the same sample in a chlorite-rich section containing 5-6 % sulphides of mainly pyrite and pyrrhotite. This mineralization occurred in the transition zone intercalated between well-bedded greywackes and a more siliceous, fractured but weakly foliated dacite unit. There were at least six zones within the hole that contained anomalous gold mineralization that was significant and worthy of follow-up assaying.

The second hole **NA-08-02** was drilled 50m to the east to see if the zone extended laterally and along strike to the first hole's mineralization. It intersected a number of minor gold mineralized sections, the best of which returned 0.17 g/t over a meter in

width from 51.65-52.65m in a dark greenish to brown, well foliated greywacke which was fractured and infilled with barren-looking milky quartz veining with minor py, abundant calcite and chlorite along fractures and contacts. The degree or spread of the gold mineralization occurrences throughout the hole indicated that gold was distributed evenly across at least five sections of the drill-hole and mainly where the core was sheared or fractured and enriched in quartz, carbonate and chlorite with minor pyrite mineralization

Hole **NA-08-03**, drilled furthest to the east and sectionally above NA-07-05, intersected at least six wider, mineralized zones that carried significant gold mineralization. One particular zone from roughly 134.2m to 224.75m carried the most widespread values with the best returning **3.98g/t** in gold from 194.4-195.4 m., **2.71g/t** in gold from 196.1-197.3 m. and **3.22g/t** in gold from 240.9-242.35 m. transitioning from a polymictic greywacke to intermediate-mafic volcanics, a porphyritic volcanic unit and then into a good mafic volcanic unit. The common denominator seemed to be that the gold mineralization was widespread but low to anomalous in value, spotty where higher grades were intersected especially where shearing, quartz-carbonate veining and sulphides occurred (py-po mineralization along with minor arsenopyrite from 1-2% up to 8% sulphide content); alteration consisting of carbonitization and biotite/chlorite was prevalent as well.

Hole **NA-08-04**, which was located southwest of Hole 08-03 and drilled sectionally above Hole 07-06, intersected the same series of gold mineralized zones (five) in a hole that was drilled to 300m in depth to intersect the zones previously intersected in Hole 07-06 and within the Piché Group Volcanics. The best value was a **2.92g/t gold** intercept from 54.45-55.35m. in argillaceous greywackes cross-cut by bluish/smokey quartz veining having minor pyrite/pyrrhotite and chlorite/biotite alteration. The remainder of the gold values are anomalous and occur in minor, disseminated py-asp within or along silicified sections or quartz veining intruding into greywackes, Int. to mafic tuffs and mafic porphyritic volcanics. It appears that this hole was not drilled far enough to pass through the Piché Volcanics and into the calc/chlorite schists that act as a marker to the north contact of the Piché group in this area. There are a number of areas within the drill-hole that require further sampling in order to further test for gold values.

Hole **NA-08-05**, was drilled from south to north above the previous hole NA 07-09 to test the up-dip extension of the mineralization found at that location. This hole went to 303 metres and intersected numerous low values in gold in at least four zones with the most prolific zone starting at 190.25 m. to 240 metres cross-cutting three major volcanic units, an Intermediate-Mafic Tuff (V7t), a faulted Mafic Tuff unit (V7t) and an Intermediate Volcanic unit (V6). The common denominator was the increased shearing, carbonitization, abundant fracturing and silicification often as quartz/carbonate veining/fracture filling with varying amounts of sulphides from 1% up to % by content; the last zone of mineralization occurred in fractured, silicified Intermediate Volcanics (V6) displaying fine hairline fracture fillings with bluish quartz veining. The best values were **0.82g/t** in gold from 210.9-212.55 m. (1.65 m.) , **0.96g/t** in gold from 227.0-228.5 m. and **0.42g/t** from 273.2-274.5 m. respectively. This hole

also hit the talc-chlorite schist zone found close to or on the footwall contact of the Piché Volcanics. An altered interfingering of Intermediate-Mafic Tuffs was also intersected which may indicate the presence of a thickening or other mafic units that were previously unidentified.

Hole **NA-08-06** was drilled sectionally above Hole NA 07-07 again from south to north in order to cut the Piché Volcanics within the Cadillac Break and intersect the gold mineralization that is known to be tied up within these units or along their contacts. This hole was also sampled for long runs and determined that anomalous gold existed from top to bottom especially within the Piché Group volcanics. The best values intersected returned **3.98g/t in gold** from 211.0-212.0 m, **2.33g/t in gold** from 235.5-236.2m, and **1.17g/t in gold** from 201.0-203.0 m(2 m) respectively. It appears that the gold preferentially occurs in quartz-carbonate veining and shearing close to or within contact zones or where alteration minerals are abundant and where the core has been sheared, silicified and sulphidated (1-2% up to 20% py-po); visually observing minor arsenopyrite not necessarily indicated higher gold values. It was intended for this hole to reach the talc/chlorite schist on the footwall of the Piché contact, and it did so.

10.0 Drilling

10.1 General

The 2010 program originally consisted of 10 holes, although the final hole (REN-10-10) was not drilled due to budget constraints. All were intended to ascertain the presence of mineralization in shallower portions of the Piché Group in the mine area. Historically only the deep narrow vein higher-grade mineralization, typical of the Cadillac Break area has been considered. However more recent work in Malartic by Osisko and others in the area has considered an alternate model of near surface low-grade mineralization over longer widths. For this reason the 2010/2011 program consists of holes overcutting previous holes to test this theory on the New Alger property. Six holes (REN-10-01 to 06) are overcuts of older 2007 holes while the remaining four holes (07-10) were placed around and in between these older holes; with REN-10-07 to the west, REN-10-08 equidistant between NA-07-11 and 12, and REN-10-09 and 10 to the east. A total of 2231m was drilled (including a 2.8m drift in one hole), with drilling being conducted by Orbit Drilling and taking place between 17-21 Dec 2010 and resuming 5-31 Jan 2011.

Hole	Grid location	Collar UTM (NAD83 17N)	Collar angle	Collar azimuth	Length (m)	Target
REN-10-01	L9+10E 1+32S	691732.5E 5345402.5N	-55	347.1	264	NA-07-07 overshoot
REN-10-02	L5+50E 1+50S	691394E 5345345N	-55	360	252	NA-07-08 overshoot
REN-10-03	L5+00E 2+00S	691348E 5345293N	-45	360	254	NA-07-09 overshoot
REN-10-04	L10+0E 1+30S	691843E 5345372N	-45	347.1	240	NA-07-10 overshoot
REN-10-05	L8+00E 1+50S	691625.1E 5345390.0N	-45	347.1	222	NA-07-11 overshoot
REN-10-06	L6+50E 1+65S	691465.9E 5345381.7N	-45	347.1	288	NA-07-12 overshoot
REN-10-07	L4+00E 1+00S	691240E 5345392N	-55	347.1	162	50m west of NA-07-09
REN-10-08	L7+25E 1+50S	691544.3E 5345354.0N	-45	347.1	240	between NA-07-11 and 12
REN-10-09	L11+0E 1+00S	691945.8E 5345394.5N	-55	347.1	309	100m east of NA-07-10
Total					2231	

Table 5. 2010/2011 Drillhole details

All holes had a default length of 250m; most holes encountered a sterile, talcose and chloritic soft schist shortly before this (representing the edge of the Piché unit) and drilling was typically halted upon this intercept. Hole REN-10-09 never encountered this schist despite being the longest hole (309m). Downhole dip and azimuth surveys were taken during the drilling of each hole at approximately 50m intervals, with a Reflex instrument. This instrument was tested at the surface by setting the instrument on the ground in a known orientation and taking a reading; it provided accurate results. However one reading provided for REN-10-06 was questionable. All holes were originally intended to be drilled with azimuths of 360° and dips of -45°. After several of these holes exhibited extreme downhole dip wander (with REN-10-01 being at -29.2° by the end of the hole) the dips of some holes were increased to -55°, where applicable, to reduce the likelihood of such shallowing. Azimuths varied for two reasons: Firstly, some of the holes were accidentally marked using an incorrectly declined compass (resulting in collar azimuths of 347.1° for seven of nine holes) and secondly, an eastward drift in azimuth was noted in several holes, with REN-10-09 drifting 21.5° eastward by the end of the hole (347.1° collar azimuth; 8.6° at 309m EOH). This eastward drift partially corrects for the westward error in collar placements. All downhole surveys are presented in Table 6 with corrected azimuth values.

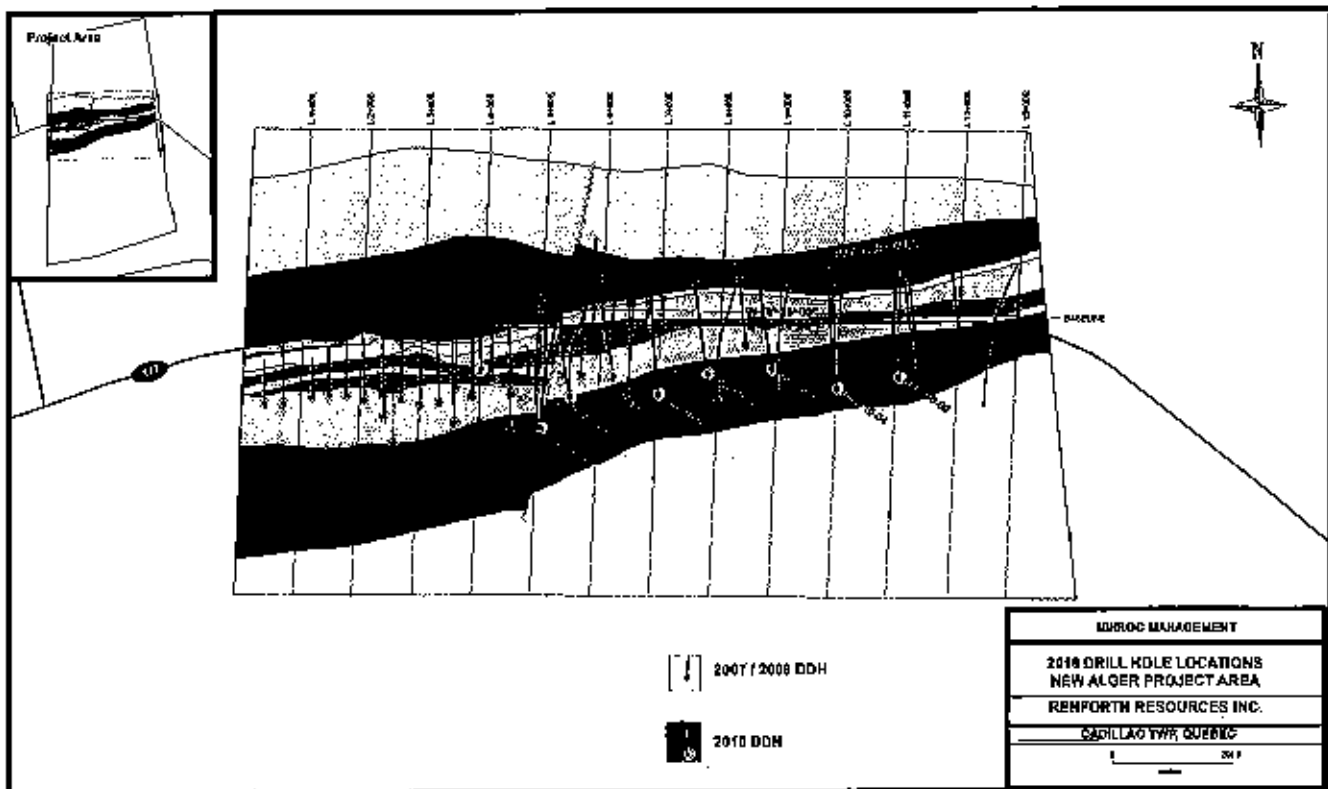


Figure 7. 2010 Drill Hole Locations and surface traces

Prior to logging of 2010 core, the entirety of NA-07-07 was retrieved from storage (in a garage in Cadillac) and re-logged, so the geologist on site could become familiar with the lithologies which the 2010 holes were expected to encounter.

Drilling of the 2010 holes was completed fairly smoothly, with most holes taking approximately three days to complete. Core was normally collected from New Alger twice daily, during drilling cross-shifts, and taken to Malartic for logging and cutting (by diamond saw). Core was inspected at the site, the observed lithology influencing any decision to cease drilling. All core was photographed prior to logging and cutting, in groups of four boxes. Additional photographs were taken of notable mineralization where possible, both before and after cutting. Core from the 2010/2011 holes, plus NA-07-07, is currently stored, securely and free-of-charge on a sawmill property near Malartic, and was transported there hole-by-hole during and after the drilling program. Spare core boxes are used to cover each stack of core for protection from the elements. After completion of each hole, the drill crews were instructed to make sure each drill site was clean, unpolluted and that nothing was left behind.

HOLE	DEPTH	DIP	RAW AZIMUTH (MAGNETIC)	CORRECTED AZIMUTH (GRID)
REN-10-01	COLLAR	-55	360	347.1
	12m	-54.1	1.1	348.2
	63m	-53.7	1.8	348.9
	114m	-53.3	1.5	348.6
	165m	-52.1	3.2	350.3
	216m	-51.8	2.6	349.7
	264m	-51.7	3.5	350.6
REN-10-02	COLLAR	-55	360	347.1
	21m	-51.4	359.4	346.5
	72m	-49.9	2.8	349.9
	126m	-48.6	5.6	352.7
	201m	-47.7	11.1	358.2
	252m	-48.2	10.8	357.9
REN-10-03	COLLAR	-45	12.92	360
	18m	-43.1	14.8	1.88
	89m	-42.1	18.5	5.58
	120m	-42	20.2	7.28
	198m	-42.2	23.9	10.98
	252m	-41.9	28.4	13.48
REN-10-04	COLLAR	-45	360	347.1
	9m	-45.7	2.3	349.4
	60m	-40.3	4.6	351.7
	111m	-35.8	8.5	353.6
	180m	-33.9	9.7	358.8
	240m	-29.2	9.4	358.5
REN-10-05	COLLAR	-45	360	347.1
	27m	-43.5	0.9	348
	68m	-42.8	2.9	350
	117m	-41.1	3.5	350.6
	168m	-39.5	4.5	351.8
	210m	-38.4	4.8	351.9
REN-10-06	COLLAR	-45	360	347.1
	72m	-40.8	1.4	348.5
	123m	-37.6	2.9	350
	234m	-32.5	4.8	351.7
	288m	-31.2	4.7	351.8
REN-10-07	COLLAR	-55	12.92	360
	45m	-54.2	8.7	355.78
	98m	-53.4	11.7	358.78
	147m	-53.3	12.1	359.18
	162m	-54	13.5	0.58
REN-10-08	COLLAR	-45	360	347.1
	30m	-40.2	6.1	353.2
	81m	-36.6	6.8	353.9
	129m	-33.1	6.2	353.3
	165m	-30.8	7.4	354.5
	189m	-29.6	9.1	356.2
	240m	-27	11.5	358.6
REN-10-09	COLLAR	-55	360	347.1
	9m	-54.3	2.5	349.6
	60m	-53.4	3.7	350.8
	111m	52.4	7.2	354.3
	162m	-51.2	10.8	357.7
	213m	-50.3	14.4	1.5
	264m	-49.3	18.6	5.7
	309m	-48.9	21.5	8.6

Table 6. Reflex survey figures for the 2010/2011 holes

10.2 Program Shutdown

The drilling activities at New Alger were terminated on the 1st of February 2011, with nine holes completed. Drilling of REN-10-10 was cancelled due to budgetary limits, but will be drilled as part of any following campaign. Orbit Drilling removed all their equipment from the site by the end of the 2nd Feb, and also carried out their own environmental assessment of each 2010 collar site. Logging of all core was completed on the 1st February and all cutting was completed by the 5th Feb. In all, 718 samples were taken, including six re-samples in NA-07-07.

10.3 Drilling Notes

Hole REN-10-04 is located approximately due south of shaft #2. An intercept with mine workings was considered a possibility for this hole or REN-10-09, and REN-10-04 indeed intercepted a cavity, approximately 2.8m thick, from 195.2 to 198.0m within the V6 units. Drilling was continued with caution through this drift.

Hole REN-10-05 was intended to be an overshoot of old hole NA-07-11, although the old collar could not be found in the field. The hole was marked and drilled at the provided UTM location. The same situation occurred with hole REN-10-02 (planned to overshoot hole NA-07-08) although this old collar was later located and the REN-10-02 collar site was adjusted to improve alignment with the old hole.

Hole REN-10-07 proved to be difficult to mark in the field. A creek exists in this part of the property. The originally planned collar location was, upon inspection in the field and according to staff at Orbit Drilling, too close to this creek for drilling to be legally conducted, as per Québec environmental legislation. A suitable site was eventually found, approximately 50m roughly NNW of the original location at the site of a picket marking the intersection of lines 4+00E and 1+00S. A temporary bridge was placed over this creek, with the permission of the Ministry of Natural Resources of the Val d'Or Region, to enable Orbit to gain access to this hole.

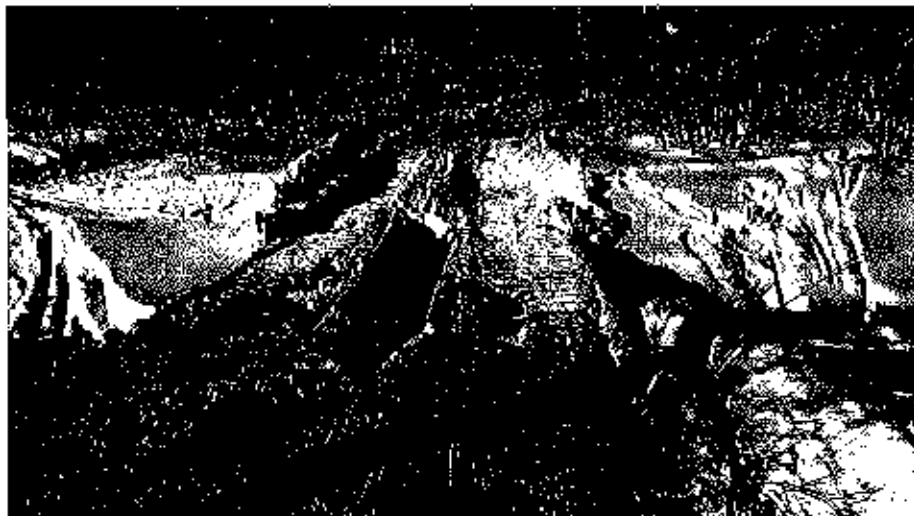


Photo 1. Temporary bridge across the creek to enable drilling of REN-10-07.

10.4 Drilling Results

REN-10-01 (UTM 691732.5E/5345402.5 N; Az: 360; Dip: -55)

This hole is located close to grid L9+00E and 1+32S, although the grid was not apparent at the site. Hole REN-10-01 was started on 10 Jan and completed on the 14 Jan at 264m.

A thick greywacke unit, hosting occasional tuffaceous horizons, was intersected up to 71.5m. Occasional 10-30cm veins and brecciated zones of massive quartz were found in this unit; their contact zones were typically foliated and carried localised fine arsenopyrite although assays showed Au in trivial amounts.

From 71.5 to 125.0m lay a deeply mafic volcanic unit, containing a partially spinifex flow from ~83 to ~85m hosting extremely localised disseminated arsenopyrite with 3.0ppm Au over 1m; Au is below detection in adjacent samples.

The main mineralization is hosted in mafic-to-intermediate tuffs and porphyries, from 143.5 to 185.3m, with arsenopyrite up to 10% around blue quartz veins. Five samples here returned Au values over 0.500ppm with highs of 1.935 and 2.790ppm (1.935 g/t; 2.79 g/t) around such veins. The interval 172-185m hosts fine arsenopyrite and pyrite aggregations although Au assay values were low.

Intermittent silicification and mineralisation continues to 204m. Below this lie numerous alternating sedimentary and tuffaceous units, few exceeding 10m thickness. Scattered veins and biotitized patches host notable mineralisation (1.775, 1.790ppm Au).

Schist was encountered at 254m. Below is a summary of significant Au intercepts for hole REN-10-01.

HOLE ID	From (m)	To (m)	Length (m)	Au g/t
REN-10-01	83.00	84.00	1.0	3.000
REN-10-01	150.00	163.50	13.5	0.750
includes	150.00	156.00	6.0	1.120
includes	154.20	156.00	1.8	2.620
REN-10-01	174.80	179.00	4.2	0.450
REN-10-01	187.30	188.80	1.5	0.440
REN-10-01	195.60	203.10	7.5	0.420
includes	195.60	197.10	1.5	1.270
REN-10-01	237.50	241.50	4.0	0.860
includes	240.00	241.50	1.5	1.780
REN-10-01	246.90	249.70	2.8	1.100
includes	246.90	248.20	1.3	1.790

The table above shows 4 major intervals from 1m to 13.5m length with Au values from 0.750 to 3.0 g/t.

REN-10-02 (UTM 691394E/5345345N; Az: 360; Dip: -55)

This hole is located at grid L5+50E and 1+50S and overcuts hole NA-07-08. Drilling of hole REN-10-02 was started on the 22nd Jan and completed on the 25th Jan at depth of 252m.

Immediately below the overburden is a 40m thick greywacke unit followed by altered mafic volcanics that are highly chloritised in some places. Minor mineralisation around 70m was intercepted – a ~1.50m stretch of heavily chloritised tuff with ~5% coarse arsenopyrite alongside a ~1cm nodular quartz veining. One sample from this interval (69.0-70.5m) returned an Au value of 0.751ppm (0.751 g/t). Chlorite alteration ceased around 75m, as did previously evident signs of ductile shear.

Below is a dark green fine welded tuff, carrying some pyrite. A sharp contact was found at 146.6m and from here to 165.0m is a mafic-to-intermediate agglomeratic unit, carrying sub-to-euhedral phenocrysts (augite and plagioclase) as well as rounded siliceous xenoliths and lithic fragments. Thirteen samples taken from this unit returned Au values of 0.103ppm and less.

A major alteration zone began at depth 160m and spans alternating units of intermediate tuff and porphyry up to depth 212.8m. Mineralisation in this interval appears to be subdued with arsenopyrite volumes not exceeding 5%. Of the 40 samples taken from this interval, 9 returned Au values ranging from 0.417 to 1.095ppm; the rest are below 0.40ppm with 1 sample giving Au below the detection limit.

From 212.8 to 235.2m is mafic-to-intermediate coarse crystalline and chloritised unit (labelled as diorite) which is permeated with thin carbonate veins and pyrite-bearing bands of an extremely fine black material (possibly tachylite).

A sharp lower contact gave way to a highly fragmented greywacke unit from 235.2-241.2m. Below this is talc-chlorite schist, in which the hole was terminated at 252.0m. A patch of weakened foliation and chloritisation 248.4-248.9m revealed the source material to probably be an intermediate tuff.

A summary of significant Au intercepts for this hole is presented below.

The table shows 3 intervals 3.0m and less in length with Au values not lower than 0.500 g/t.

HOLE ID	From (m)	To (m)	Length (m)	Au g/t
REN-10-02	69.00	70.50	1.5	0.751
REN-10-02	174.00	191.20	17.2	0.340
includes	175.50	177.00	1.5	1.095
Includes	180.00	183.00	3.0	0.540
REN-10-02	197.20	200.20	3.0	0.570
REN-10-02	212.60	214.10	1.5	0.553

REN-10-03 (UTM 691346E/5345293N; Az: 360; Dip: -45)

This hole is located at grid L5+00E and 2+00S. Hole REN-10-03 was started on 26 Jan and was completed on the 29th Jan at depth 254m. This hole was drilled at -45° and did not deviate significantly as the end-hole reflex gave a dip value of -41.9°. This hole runs subparallel to, and crosses, a fault; and probably intersects a larger fault (the Cadillac Break) in the last few units. This hole overcuts holes NA-07-09 and NA-08-05.

The first lithology encountered was a greywacke unit reaching to almost 100m depth, which becomes increasingly conglomeratic and chloritised below ~83m. The greywacke hosted numerous milky quartz veins up to 40cm in thickness – these appeared to carry only minor pyrite if anything, but 13 samples were taken. Assay results returned Au values between 0.009 to 0.024ppm.

Mafic tuffs underlie the interval 98.1-110.8m, and below this a 4m unit of silicified greywacke.

A schistose, soft and highly chloritised unit was found after this, stretching to 129m. This must represent the fault which lies very close to this hole's collar. Unusually for schists seen at this site so far, carries prominent quartz veining. These veins (1-5cm thick) appeared sterile but were nevertheless sampled. Further below are volcanic units (intermediate agglomeratic tuff; mafic tuff) which are also highly chloritised. From 174.0-181.0m is mafic to intermediate tuff, also hosting ovoid bodies of quartz and carbonate and occasional siliceous clasts. This unit may be cognate with the agglomeratic unit found at similar depth in REN-10-02. Twelve samples taken from these intervals returned Au values between 0.006 to 0.016ppm except for 1 sample (103.3-103.7m) that returned 0.534ppm Au.

An intermediate tuff was hit at 181.0m and this was followed by silicified and sheared intermediate porphyritics, finishing at 221.1m. The main mineralization started at 202m. This interval exhibits abundant evidence of faulting including brecciation, sigmoidal veining and mylonitic shear textures. Intense massive pyrite mineralisation (bands of pure pyrite up to 5cm thick) is present towards the end of the mineralised zone (~217 to ~222m) and is comparable to mineralisation patterns in previous holes.

Of the 23 samples taken from this interval, 8 returned Au values between 0.5-1ppm and 2 samples returned Au values of 1.595 and 2.0ppm (1.595 g/t; 2.00 g/t).

The following unit of chloritised diorite (221.1-249.9m) also exhibits shear textures and is heavily broken down where chlorite content is high. Highly brecciated greywackes and pelites lay below this unit, making a sharp contact. The pelite, and patches of the preceding diorite, carry frequent strings of pyrite. Drilling was stopped at 254m in the greywacke.

A summary of significant values of Au intercepts are shown in a table below.

HOLE ID	From (m)	To (m)	Length (m)	Au g/t
REN-10-03	196.50	218.20	21.7	0.640
includes	206.70	213.60	6.9	1.190
includes	209.50	212.50	3.0	1.800

The table shows the hole hosts a continuous length of 21.7m of ore containing average grade of 0.64 g/t Au.

REN-10-04 (UTM 691843E/5345372N; Az: 360; Dip: -45)

This hole is located at grid L10+00E and 1+30S. Hole REN-10-04 was started on 15 Jan and completed on 17 Jan at depth of 240m.

Greywacke, interbedded occasionally by tuffaceous horizons, was found until 116m - save for a ~2m silicified porphyritic band which was found from 14 to 16m, which carried up to 10% fine arsenopyrite. This rock unit is expressed as an east-west topographic high roughly 10m north of the collar. It was hoped this would contain significant Au although assays returned 0.026 and 0.009ppm only. Fifteen samples taken from the greywacke returned low Au values of 0.034ppm and below.

Following this is a tuffaceous unit, as is typical, hosting a secondary mineralised zone from 144-147m centred on a ~ 1m feldspathic porphyry. One sample from this interval returned 2.20ppm Au (2.2 g/t) over a 1.5m length.

Underlying the tuffaceous unit are mafic volcanics from 147.20-161.70m. This rock sequence is poorly mineralized but a 0.3m interval (15.30-158.60m) with unusually high arsenopyrite content returned 6.67ppm Au.

The mineralized porphyry lies between 161.7-182.5m. Mineralization is distinctly patchy, with the typical disseminated fine arsenopyrite totally absent in places. Au values from 16 samples taken range from 0.008 to 0.520ppm only.

Underlying the porphyry is an intermediate tuff, 182.50-195.20m. This unit was observed to contain up to 10% arsenopyrite consistently between 186-192m. Of the ten samples collected, 4 returned Au values between 1-7ppm (1.0-7.0 g/t) with 3 of these over a 3.8m length. This unit also hosts overlapping Ag mineralization, with 12 adjacent samples returning 0.50-1.30ppm Ag.

A 2.8m drift or shaft was hit at 195.2m; drilling was continued past this cavity with care. Whatever mineralised zone once existed here has been efficiently mined out, and adjacent surviving material is poorly mineralised.

Below the drift, lithologies of a primarily sedimentary character were encountered from 198-239m composed mainly of alternating minor units of greywacke, arkose and pelite/argillite; the latter carrying ~5% pyrite in strings. Of the 16 samples collected from this interval, 2 adjacent samples returned Au values of 4.05 and 4.45ppm over 1.5m length each.

At 239m, the presence of talc and the beginnings of schistose foliation were evident, and the hole was stopped at 240m. Drilling was made difficult by the presence of the drift, and so the hole was stopped as soon as the schist was intercepted.

A summary of significant Au intercepts is shown below.

HOLE ID	From (m)	To (m)	Length (m)	Au g/t
REN-10-04	145.50	148.80	3.3	1.070
Includes	145.50	147.00	1.5	2.200
REN-10-04	158.30	161.70	3.4	0.630
Includes	158.30	158.60	0.3	6.670
REN-10-04	177.70	192.90	15.2	1.570
Includes	187.10	192.90	5.8	3.530
includes	189.10	192.90	3.8	4.190
REN-10-04	201.50	213.00	11.5	1.260
includes	208.50	211.50	3.0	4.250

The table shows 3 major intervals 3.3 to 15.2m in length with Au values not lower than 1.0 g/t. The sub-intervals contain Au values up to 6.67 g/t.

REN-10-05 (UTM 691625.1E/5345390.0N; Az: 360; Dip: -45)

This hole is located at grid L8+00E and 1+50S. Drilling of hole REN-10-05 started on the 7th Jan and was completed on the 10th at a depth of 222m. The hole overcuts NA-07-11.

Greywacke was encountered to 56m which hosted minor pyrite along bedding planes. Below this lay mafic-to-intermediate volcanics, containing a probable major extrusive unit between 62 and 91m, beginning as a basalt but gradually coarsening to a dolerite or microgabbro for the lower ~10m. Assay results of samples collected from these sequences returned a low of 0.013ppm Au and less.

The intermediate porphyry was found at 113m and was strongly silicified and often biotitized from 120m and grading into a biotitized tuff at 125.4m followed by silicified mafic to intermediate banded tuff up to 138.40m. Within this sequence is the gold-bearing zone from 124.5m-134.9m which returned assays of 1.005 to 10.6 g/t over 10.4m length .

Alternating tuffaceous and porphyritic units lie between 138.40-163.60m, including a 6m massive intermediate unit starting at 150m (lithology ambiguous; possibly arkosic sediment; unmineralized). Bands of fine pyrite-pyrrhotite aggregate were encountered frequently in the latter half of this zone, each 1-5cm thick. Disseminated arsenopyrite blades were found throughout the entire altered zone, varying widely in prominence but occasionally up to 10% of core volume. A sharp contact to a fine, dark pelite at 163.6m abruptly terminates the silicified zone. Samples taken from interval 138.4-156m returned 0.065ppm and less while samples taken from interval 156.0-163.6m returned 0.08 to 1.055ppm range.

The remaining units are primarily alternating greywackes and pelites; the latter typically carrying frequent pyrite strings. Tuff and blue quartz-bearing pelites and greywackes in this sequence constitute the second gold-bearing zone, with seven samples from 162.1m to 176.1m returning >0.500ppm Au with a high of 3.470ppm over 1.5m. A 7m unit, probably an intermediate tuff, begins at 180m and is heavily permeated by irregular quartz-carbonate veins. The schist contact was found at 199.2m, and the hole remained within this unit upon completion at 222m.

A summary of significant Au intercepts is summarized below.

The table shows a major interval 21.7m long contains an average of 2.610 g/t Au.

HOLE ID	From (m)	To (m)	Length (m)	Au g/t
REN-10-05	116.70	138.40	21.7	2.610
includes	124.50	134.90	10.4	5.100
includes	126.90	134.90	8.0	6.270
includes	126.90	130.40	3.5	8.170
includes	129.40	130.40	1.0	10.600
REN-10-05	159.00	176.10	17.1	0.860
includes	165.10	173.10	8.0	1.320
includes	168.10	173.10	5.0	1.760
includes	168.10	169.60	1.5	3.470
REN-10-05	193.00	196.00	3.0	0.660
includes	193.00	194.50	1.5	1.100

REN-10-06 (UTM 691465.9E/5345381.7N; Az: 360; Dip: -45)

This hole is located at grid L6+50E and 1+65S and overcuts hole NA-07-12, with the collar location approximately 30m north of the older hole. The hole was started on December 18 and completed on 21 December, 2010.

The upper sequence intersected the lithological boundary between the Pontiac and Piché formations. The mafic-to-intermediate banded tuffaceous units support a variety of very coarse phenocrysts, clasts and lithic fragments; typically aligned with bedding/foliation. Occasional beds exhibit signs of shear. Horizons of laminated tuff from ~37m to ~50m carry both fine volcanic glass shards and fine arsenopyrite, some of these are associated with Au as evidenced by 2 samples taken from interval 45-47m which returned 4.98ppm (4.98 g/t) and 0.534ppm (0.534 g/t). A concentration of pyrite and arsenopyrite 100.0-102.0m is associated with gold with two samples returning 1.285ppm (1.285 g/t) and 1.015ppm (1.015 g/t), over 1m each.

A silicified brecciated zone is found 111.0-155.5m, with significant disseminated arsenopyrite concentrations where an 11m length sequence (121.0-132.0m) returned an average Au content of 0.53ppm (0.53 g/t).

The best gold mineralization in this hole is hosted by what appear to be interbedded mafic tuffs and greywackes from 164-170m. Five samples taken from this interval returned Au values from 1.100 to 6.38ppm (1.10-6.38 g/t).

A 2m interval from 185.0-187.0m hosted by intermediate tuff returned 0.739ppm (0.739 g/t) and 2.33ppm (2.33 g/t). A summary of significant Au intercepts is summarized below.

HOLE ID	From (m)	To (m)	Length (m)	Au g/t
REN-10-06	44.00	49.00	5.0	1.120
includes	45.00	47.00	2.0	2.760
includes	45.00	46.00	1.0	4.980
REN-10-06	100.00	102.00	2.0	1.150
REN-10-06	121.00	132.00	11.0	0.530
includes	121.00	125.00	4.0	0.810
includes	131.00	132.00	1.0	1.090
REN-10-06	136.00	142.00	6.0	0.580
includes	138.00	142.00	4.0	0.700
REN-10-06	156.00	159.00	3.0	1.120
includes	157.00	158.00	1.0	2.580
REN-10-06	164.00	171.00	7.0	1.980
includes	166.00	170.00	4.0	3.060
includes	168.00	169.00	1.0	6.380
REN-10-06	185.00	187.00	2.0	1.530
includes	186.00	187.00	1.0	2.330

Hole REN-10-06 hosts 5 short major intervals 2-7m length with averages of at least 1.12 g/t Au.

REN-10-07 (UTM 691240E/5345392N; Az: 360; Dip: -55)

This hole is located at grid L4+00E and 1+00S. Hole REN-10-07 was started on 29th Jan and completed on the 1st Feb at depth 162m. This is the only hole drilled entirely west of the north-south-trending fault.

From 9.00-19.90m is a sequence of intermediate tuffs incorporating rounded siliceous clasts. This unit included, at 18.6m, a 40cm highly feldspathized hydrothermal breccia containing occasional flakes of chalcopyrite. Intermediate porphyry followed from 19.9 to 37.3m. Fourteen samples taken from this interval returned Au values from 0.005-0.201ppm.

From 37.3-53.3m is a light brown intermediate to felsic tuff, more felsic in composition than any units seen in previous holes. This unit hosted 1-2cm thick bluish quartz veins or nodules every metre or so, with associated arsenopyrite mineralisation (coarse blades, up to 10% volume) from 46 to 53m. Thirteen samples taken from this interval returned Au values from 0.037-4.23ppm (0.037-4.23 g/t) with 10 samples returning >0.500ppm.

At 53.3m is an intermediate porphyritic tuff exhibiting a change in colour from gray to dark brown. Massive pyrite aggregations several centimetres across are found 54-60m – a common feature of the lower portion of mineralised zones in many 2010 holes.

A sequence of intermediate tuff from 60.5-68.3m and 89.10-96.00m returned Au values from 0.566-4.610ppm (0.566-4.610 g/t) from 5 samples collected.

From 131.00-162.00m, talc-chlorite schist was intercepted.

It is interesting to note that 24 samples taken between the interval 25.0-110.0m returned Ag values between 0.5-1.5ppm (0.5-1.5 g/t).

A summary of significant Au intercepts are summarized in a table below.

HOLE ID	From (m)	To (m)	Length (m)	Au g/t
REN-10-07	37.30	57.30	20.0	1.090
includes	37.30	40.30	3.0	2.750
includes	37.30	38.80	1.5	4.230
REN-10-07	62.00	67.10	5.1	1.170
includes	62.00	62.90	0.9	3.160
REN-10-07	91.80	98.20	6.4	0.820
includes	91.80	95.20	3.4	1.410
includes	91.80	92.60	0.8	4.610

Hole REN-10-07 hosts 3 major intervals 5.1 to 20m in core length with average Au values between 0.82 to 1.17 g/t.

REN-10-08 (UTM 691544.3E/5345354.0N; Az: 360; Dip: -45)

This hole is located close to grid L7+00E and 1+50S. Hole REN-10-08 was started on December 20, 2010, halted during the holiday period and resumed on 6th of January 2011. The hole was completed the following day at depth of 240m.

From 6.60-98.0m is greywacke sequence probably interbedded with tuffs in the last ~20m. Below this lie intermediate volcanics to 114.0m. Forty-one samples taken from this sequence returned Au values from 0.005-0.007ppm only.

Two samples from a localised quartz vein from 121-123m carrying arsenopyrite, pyrrhotite and pyrite is positively associated with gold with assay returns of 0.645 and 1.525ppm as well as a highly anomalous presence of tungsten (1870ppm over 1m) presumably indicating wolframite although this was not noticed during logging.

Intermediate porphyry extends from 152.0-186.5m, and is host to main mineralization from 165.0-186.0m or length of 21m. Of the 21 samples taken from this interval, 15 samples returned 0.527 to 3.840ppm (0.527-3.84 g/t) with 10 samples >1.000ppm (>1.00 g/t). Highs typically correspond to individual bluish quartz veins and brecciated bands, and dense arsenopyrite patches.

Below the intermediate porphyry are mafic tuffs, with occasional pyrite and arsenopyrite concentrations. Twelve samples taken between 186.0-198.0m returned Au values from 0.005-0.807ppm.

Underlying the mafic tuff from 198.0-226.8m is a sequence of greywacke and pelitic sediments interbedded with tuffaceous materials. A total of 28 samples were taken from this interval for assay. Assay results showed the upper 7m contain fairly good amounts of gold up to 2.690ppm (2.69 g/t). The said interval is characterized by biotitization and presence of blue quartz and arsenopyrites. A lone sample taken from 222.0-223.0m returned Au value of 1.805ppm (1.805 g/t). This interval is characterized by quartz veining.

Schist was hit at 226.8m and the hole was terminated at 240m.

A summary of significant Au intercepts shown below shows 2 intervals along 10 and 23m of core with average Au value of 0.87 g/t and 1.410 g/t, respectively.

HOLE ID	From (m)	To (m)	Length (m)	Au g/t
REN-10-08	121.00	123.00	2.0	1.090
includes	122.00	123.00	1.0	1.530
REN-10-08	165.00	188.00	23.0	1.410
includes	177.00	187.00	10.0	2.220
includes	182.00	185.00	3.0	3.660
REN-10-08	197.00	207.00	10.0	0.870
includes	197.00	200.00	3.0	1.530
includes	198.00	199.00	1.0	2.690
REN-10-08	221.00	223.00	2.0	0.960
includes	222.00	223.00	1.0	1.805

REN-10-09 (UTM 691945.8E/5345394.5N; Az: 360; Dip: -55)

This hole is located at grid L11+00E and 1+00S. Hole REN-10-09 was started on 19 Jan and completed on 22 Jan at depth of 309m. It is the easternmost 2010 hole, and like some of the older eastern holes, its azimuth veered to the east by up to 20°.

Greywacke with tuffaceous interbeds was intercepted from 3.0-46.0m. This rock unit is characterized by occasional quartz-calcite veins with occasional pyrite mineralization. Three samples taken from this interval returned Au values of 0.005-0.010ppm.

The greywacke unit is followed by mafic to intermediate tuffs from 46.0-98.0m. Underlying the intermediate tuffs is another greywacke unit from 98.0-144.0m. The greywacke is followed by mafic tuff, greywacke and mafic volcanics to depth 196.10m. Fifteen random samples from the above rock units returned Au values 0.533ppm and less with 12 of the samples in the range of 0.028ppm and less. A gabbro intrusive was logged from 196.10-208.10m.

Below the gabbro intrusive from 208.10-245.60 is intermediate porphyry rock characterized by bluish quartz veins and presence of disseminated arsenopyrites. This rock unit is the main mineralized zone for this hole. Twenty-five samples were collected from this interval with the bottom 6 samples (238.0-245.6m interval) returning Au values from 0.873 to 3.00ppm (0.873-3.00 g/t). Two other samples (213.3-214.0m and 230.5-232.0m) returned Au values of 0.539ppm (0.539 g/t) and 3.020ppm (3.020 g/t). The remaining 17 samples returned Au values from 0.005-0.323ppm.

A summary of significant Au intercepts is shown in a table below.

The hole intercepted a 15.1m thick interval containing an average Au value of 1.4 g/t.

HOLE ID	From (m)	To (m)	Length (m)	Au g/t
REN-10-09	230.50	245.60	15.1	1.400
includes	230.50	232.00	1.5	3.020
includes	238.80	245.60	6.8	2.120

10.5 Other activities during the 2010/2011 program

The grid lines at the site had become difficult to discern from the ground by the time of this program, with heavy snowfall obscuring almost all of the line marking pickets. Many of these were discovered later on during the program, in mid-January, enabling the picket grid to be calibrated with NAD83 UTM.



Photo 2. Collar of REN-10-02 (top) just after completion of drilling. At the foreground is the damaged collar of NA-07-08, which had been buried and was discovered during the 2010 program. The collar site of REN-10-02 was moved closer to the NA-07-08 collar once it had been found, to improve section accuracy.

In addition, some of the 2007 and 2008 collars were not clearly marked in the field and were difficult to find, and when these were occasionally discovered during work at the site, some collars were revealed to have been damaged, presumably having been run over by drillers' bulldozers. This fate befell the collars that were later identified as NA-07-08 and NA-07-12. The collars of NA-07-03, NA-07-11 and NA-08-06 were not found, although probable locations were identified. In the months prior to the 2010 drill program, NAD83 UTM coordinates were taken at the sites of all visible 2007 and 2008 collars; some discrepancy was noted between these coordinates and

those recorded previously. UTM figures were also taken during the drill program, whenever old and damaged collars were uncovered.

During this program it was made clear to Orbit that collars of completed holes were to be capped and labelled, and clearly marked with metal flags. Labelled pickets were prepared for all of the 2007, 2008 and 2010 holes, and these were tied with wire to the collars in each case where possible. Snow at the site prevented travel to the collars of old holes located away from the mine area throughout this program, and so these holes have not yet been picketed in this way. Once conditions have improved, this will be completed, and in addition, extra metal flags will be procured and placed over all old collars currently lacking them.

Hole	Grid Location	Collar Angle	Azimuth	Easting	Northing	Length (m)	Remarks
NA-07-01	L 3+00E/4+45N	-51°	180°	691141	5345937	125	
NA-07-02	L 6+00E / 7+30N	-51°	180°	691439	5346224	250	
NA-07-03	L 11+00E /4+70S	-50°	360°	691948	5345034	125	Collar not found although probable location identified
NA-07-04	L 13+00E /3+80S	-51°	360°	692148	5345122	250	
NA-07-05	L 13+00E /0+75S	-60°	360°	692142	5345428	360	
NA-07-06	L 12+50E / 1+50S	-65°	360°	692093	5345356	482	
NA-07-07	L 9+00E / 1+32S	-66.5°	358°	691742	5345369	412	
NA-07-08	L 5+50E / 1+50S	-65°	358°	691394	5345345	345	
NA-07-09	L 5+00E / 2+00S	-70°	356°	691346	5345293	453	
NA-07-10	L 10+00E / 1+30S	-63°	358°	691843	5345372	399	
NA-07-11	L 8+00E / 1+50S	-63°	360°			372	Collar not found
NA-07-12	L 6+50E / 1+65S	-63°	360°	691493	5345332	372	
NA-08-01	L 6+00E/7+30N	-65°	180°	691439	5346225	249	
NA-08-02	L 6+50E/7+30N	-50°	180°	691487	5346221	249	
NA-08-03	L 9+00E/1+35S	-50°	360°	691751	5345381	306	
NA-08-04	L 12+50E/1+55S	-50°	360°	692093	5345349	300	
NA-08-05	L 5+00E/2+00S	-50°	360°	691346	5345293	303	
NA-08-06	L 9+50E/1+40S	-50°	360°	691742	5345369	300	Concrete visible although collar itself was not found

Table 7. UTM's of 2007 and 2008 collars (NAD83 Zone 17N). Most were recorded prior to any drilling; some collars were discovered during drilling. Three have not been found.

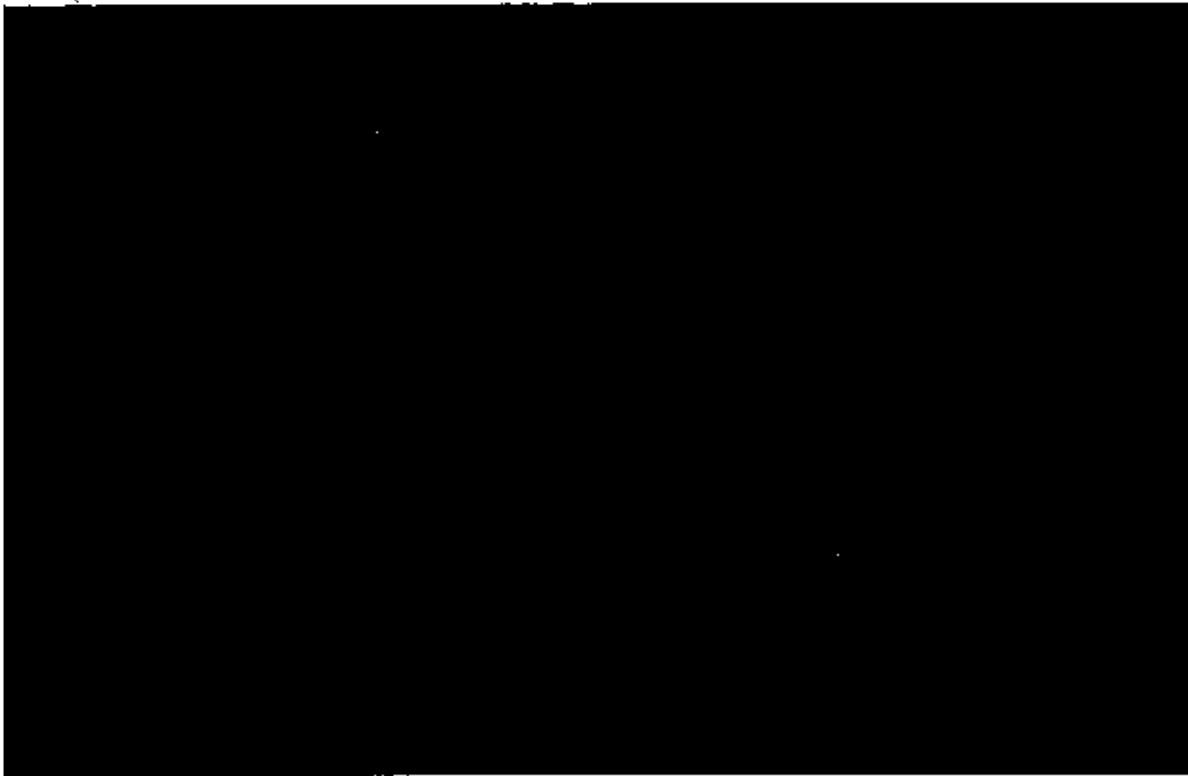


Photo 3. Completed 2010 hole marked with red metal flag and labelled picket. Several of the 2007 and 2008 collars were found to be poorly marked, so during the 2010 program, several of these were also marked out in the same manner as that shown above.

11.0 Sampling Method and Approach

Samples were taken on the basis of the following criteria:

- Where mineralization was predicted by sections. Intercepts with mineralized bodies could be inferred from the findings of older holes, and when a new hole passed through such a zone, samples were taken if gold mineralization was considered a possibility. The downhole dip and azimuth wanderings of the 2010/2011 holes reduced the accuracy of these predictions and some expected intercepts were difficult to tie in with observed lithology and mineralogy.
- Wherever any indications of gold mineralization were present, outside the predicted intercepts. These included visible sulphides (especially arsenopyrite), visible gold, quartz veining (especially bluish quartz), hydrothermal breccias, biotite etc. All of the previous have been recorded as indicators of gold mineralization at New Alger in the past, in addition to some instances of visible gold.

- Wherever ambiguous visible gold was seen. In some instances, millimetre-scale aggregations were visible which were considered to be possible visible gold although identification may have been mistaken. The probable alternative in all cases is chalcopyrite, and this was typically sampled anyway as it was considered a gold indicator
- Within units (typically greywacke) that hosted thin quartz-carbonate veining. These veins, while usually sterile, were occasionally observed to carry significant sulphides, with pyrite and/or chalcopyrite sometimes taking up 25% of their volume. These veins were typically 1-2mm thick and were often discordant to each other. Their size and frequency meant they could not be individually targeted with samples, and so in some holes, chains of samples were taken to assess the bulk content of these veins and their surroundings.
- Dispersed within long stretches of unmineralized material. This was essentially a security measure, to confirm that gold was indeed absent where it was expected to be so.

The default sample length was 1.5m in most cases, within lithological units. Samples did not cross sharp lithological boundaries. Gradational lithological contacts were often sampled in shorter increments. Significant veins or hydrothermal breccias (>20cm thickness) were treated as separate lithological units and sampled individually. The number of samples taken per hole varied from a low of 51 to a high of 130.

12.0 Sample Preparation, Analysis and Security

Samples were marked out with crayons during logging, and cut by diamond saw in the same Malartic garage as logging was conducted. The water used by the saw was changed regularly and the samples placed in sealed bags individually to minimise contamination. Samples were assigned individual numbers, with number tags both sent with the core for sampling and stapled to the core boxes alongside the remaining core. For transport, the sample bags were placed in large rice bags usually in groups of six, and these were also labelled and sealed for security. Upon transport (by truck) to ALS Chemex, receipts were given to act as proof of delivery. The analysis itself was for both gold and "multi-elements" – including a variety of major elements and transition metals.

From	To	Total	Corresponding to holes	Date of Delivery	Batch number/ Cert. of Assay
J234250	J234342	93	REN-10-06, 08	05-Jan-11	VO 11004121
J234000	J234005	6	NA-07-07		
J234343	J234493	151	REN-10-08, 05	12-Jan-11	VO11006494
J234494	J234643	150	REN-10-05, 01	21-Jan-11	TB11011920
J234644	J234817	173	REN-10-04, 09, 02	04-Feb-11	VO11018542
J234818	J234962	145	REN-10-02, 03, 07	08-Feb-11	TB11022961

Table 8. Details of sample batches

13.0 Data Verification

ALS Chemex conducted duplicate tests on a selection of samples in each batch. Available duplicate data for Au is presented below; all are satisfactory, with the greatest deviations likely attributable to the "nugget effect" whereby the presence or absence of individual gold nuggets causes differing results. Also shown below are sample duplicates for the "multi-element" procedures, showing manganese results as an example. Prepared standard materials were also tested at ALS Chemex to further assess instrumentation accuracy.

sample	batch code	analytical procedure	Au ppm (1)	Au ppm (2)
J234258	VO11004121	Au-AA23	4.98	5.24
J234316	VO11004121	Au-AA23	0.282	0.257
J234336	VO11004121	Au-AA23	0.006	0.014
J234374	VO11006494	Au-AA23	-0.005	0.008
J234412	VO11006494	Au-AA23	0.316	0.282
J234432	VO11006494	Au-AA23	2.69	2.73
J234452	VO11006494	Au-AA23	0.165	0.118
J234476	VO11006494	Au-AA23	0.006	0.006
J234490	VO11006494	Au-AA23	1.345	1.4
J234491	VO11006494	Au-GRA21	8.78	10.6

Table 9. Duplicate Au assays from the first two batches

sample	batch code	analytical procedure	Mn ppm (1)	Mn ppm (2)
J234263	VO11004121	ME-ICP41	802	746
J234298	VO11004121	ME-ICP41	1225	1240
J234335	VO11004121	ME-ICP41	441	456
J234352	VO11006494	ME-ICP41	439	424
J234387	VO11006494	ME-ICP41	698	714
J234388	VO11006494	ME-ICP41	477	478
J234424	VO11006494	ME-ICP41	1115	1095
J234460	VO11006494	ME-ICP41	957	998

Table 10. Duplicate multi-element assays from the first two batches showing Mn counts

During the program, a visit by an outside Qualified Person was arranged to conduct an inspection and auditing of exploration procedures at the site as well as at the logging and cutting facilities. Tracy J Armstrong, P. Geo. of P&E Mining Consultants Inc undertook this. Five samples from one hole were selected and quarter-cut to be sent for assay independently, at a different laboratory, as a further check on general procedural thoroughness.

14.0 Adjacent Properties

The New Alger property in Cadillac, Québec is bounded by several exploration companies with active exploration activities. Agnico Eagle Mines occupy the north and west adjacent properties; Danielle Manseau and Osisko Mining occupy the southwest and south adjacent properties, respectively; Northern Star Mining and Radisson Resources occupy the east adjacent areas (Fig. 8).

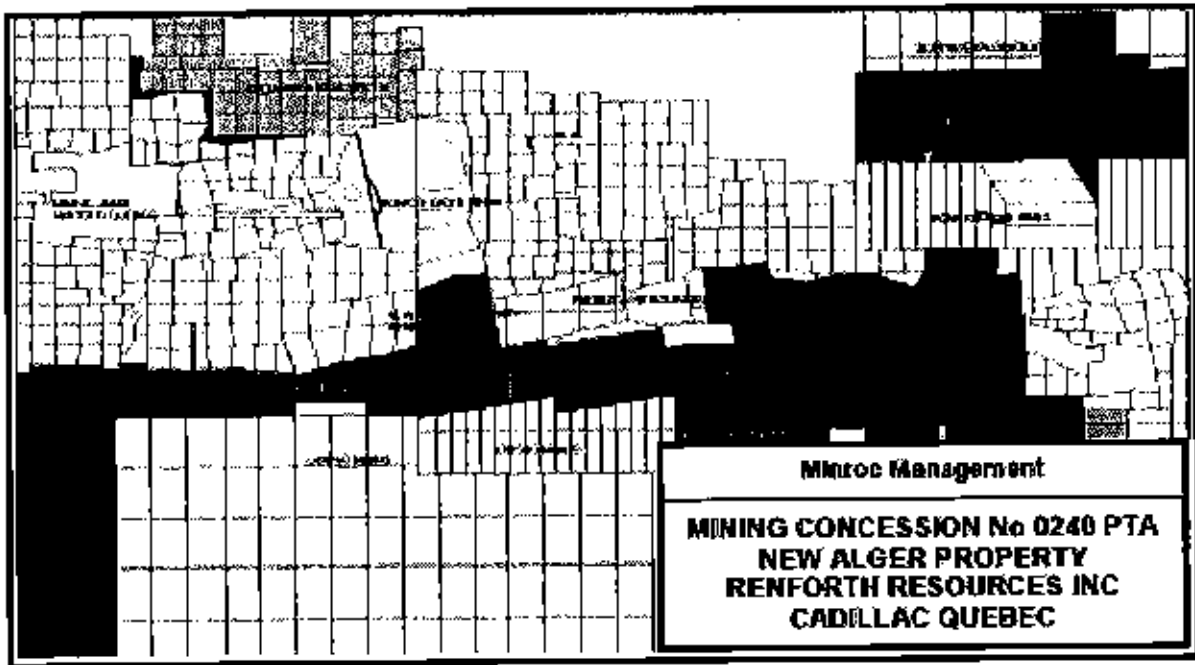


Figure 8. Map showing mineral properties adjacent to New Alger

Past producing mines in the area include Central Cadillac, Wood Cadillac, Pandora Mine, Lapa Cadillac, Kewagama Mine, and Bousquet Mine, among others. Combined gold production is at least 24 tons during the period 1930 to 1986 (Fig. 9).

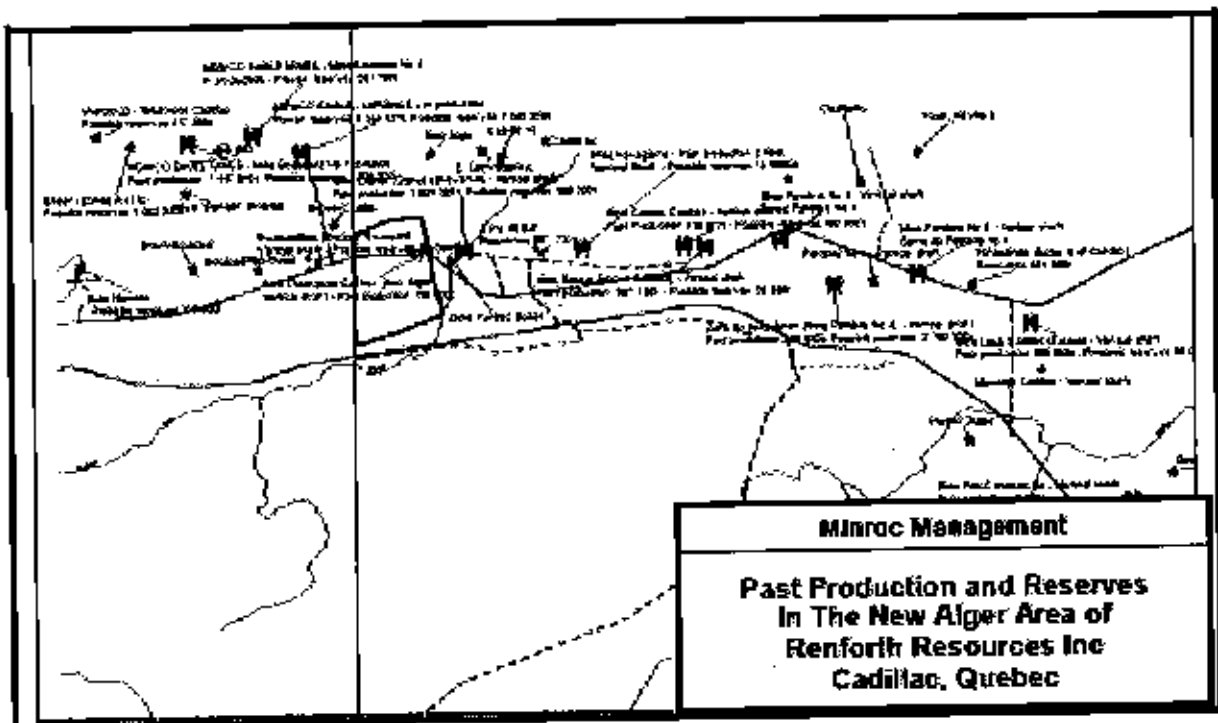


Figure 9. Past producing mines and estimated reserves

15.0 Mineral Processing and Metallurgical Testing

(Not Applicable)

16.0 Mineral Resource and Mineral Reserves Estimates

(Not Applicable)

17.0 Other Relevant Data and Information

(All other relevant data have been added)

18.0 Interpretations and Conclusions

Previous work at New Alger found two gold-bearing horizons (North and South) to be present at the site. The 2010 holes show these to be present at shallow depths in the centre of the property only; their maximum extent being from line 5+50E to 9+50E. Holes REN-10-06, 08 and 05 clearly display two discrete mineralized bands in their assay results (Table 11). In the latter case, a clear vertical continuation can be seen from the North and South horizons observed in NA-07-11. The South Horizon coincides partly with the V6 PORPH unit; the intermediate porphyritic volcanics – and also extending into the V6-7 volcanics stratigraphically above. The North Horizon falls within biotized V6-7 tuffs, which were apparently interbedded with greywacke in some cases in the 2010 holes. The lowermost portion of the North horizon typically carries aggregations of pyrite and pyrrhotite, sometimes massive and sometimes fine, usually following bedding/foliation and up to 5cm thick. REN-10-01 (at line 9+00E) shows only one mineralized horizon, suggesting that this hole might overshoot the "roof" of one of these bodies. East of here, most holes show only one narrow porphyry-hosted mineralized interval, with few outlying gold spikes. The mineralized intervals in these holes carry pyrite and pyrrhotite aggregations towards the end, as with the North horizon in holes to the west, suggesting that the North horizon continues east of line 9 but the South horizon pinches out.

The presence of a north-south fault close to line 5+00E has been inferred by previous drilling, and this fault is shown on existing geological maps. The fault itself may have been crossed by holes REN-10-03 and NA-07-09 which encountered schistose shear zones mid-hole. REN-10-07 and the mineralized portions of REN-10-03 and NA-07-09 are west of this fault, and the character of mineralization varies here. The idea of two, lithology-controlled mineralized horizons breaks down - gold in REN-10-07 is found in three near-adjacent bands, which strongly avoid the porphyry, whereas in REN-10-03 the single mineralized band is found within a porphyritic lithology. The mineralized interval in REN-10-07 again shows massive pyrite and pyrrhotite aggregations in its lower reaches, perhaps meaning it too correlates with the North horizon and that the South horizon either pinches out, merges with the North horizon or is truncated by the fault.

18.1 Line Sections Interpretation:

Line 4+00E:

REN-10-07 is the first hole drilled along this section which is west of a transverse fault running NNE-SSW close to grid L 5+00E. This hole intercepted 11.5m(true width) of mineralized zone along level 30-42 with average Au content of 1.09 g/t. This indicates appreciable Au values over longer widths at shallow depth along this section.

Line 5+00E:

REN-10-03 overcuts hole NA-07-09 along this section. REN-10-03 intercepted 15.3m(true width) of mineralized zone along level 130-145m with average Au content of 0.64 g/t while NA-07-09 intercepted mineralized zones over short intervals (0.3-1.9m with Au values from 1.07-6.19 g/t) at level 250-325m. This suggests widening of mineralization upward with accompanying appreciable Au values along this section.

Line 5+50E:

REN-10-02 overcuts hole NA-07-08 along this section. REN-10-02 intercepted the mineralization over short widths (0.9-1.7m with Au values from 0.54-1.095 g/t) at level 125-160m. Likewise, NA-07-08 intercepted the mineralization over short widths from 0.3-3.2m with Au values from 1.01-3.07 g/t at level 200-240. This suggests that Au mineralization along this section is found along veins and stringers with widths from 0.3-3.2m.

Line 6+50E:

REN-10-06 overcuts hole NA-07-12 along this section. REN-10-06 intercepted a minor mineralization 3.5m wide between level 40-45m averaging 1.12 g/t and majority of the mineralizations at level 75-125m the most notable of which are over 4.2, 4.9 and 7.8m wide (true widths) averaging 0.58 g/t, 1.98 g/t and 0.53 g/t, respectively. NA-07-12 intercepted a minor mineralization 1.9m wide between level 150-155 averaging 1.24 g/t and 3 other short mineralized intervals (0.3, 0.8, and 1.9m) between level 225-310 with Au values of 3.98 g/t, 0.614 g/t and 1.6 g/t, respectively. This suggests widening of mineralization upward with accompanying appreciable Au values along this section.

Note: Refer to Table 3 for figures mentioned for 2007 drillholes in Line Section Interpretation.

Line 7+25E:

REN-10-08 is the first hole drilled along this section. It intercepted 2 mineralized zones at level 90-120 with true widths 16.3 and 7.1m with average Au values of 1.410 and 0.87 g/t, respectively. This indicates appreciable Au values over longer widths at shallow depth along this section.

Line 8+00E:

REN-10-05 overcuts hole NA-07-11 along this section. REN-10-05 intercepted 2 mineralized zones 15.3 and 12.1m (true widths) with average Au values of 2.610 and 0.860 g/t, respectively at level 80-120. NA-07-11 intercepted 2 mineralized zones 6.4 and 5.5m wide (true widths) with average Au values of 0.683 and 1.265 g/t, respectively, at level 200-280. This again suggests widening of mineralization upward with accompanying appreciable Au values along this section.

Line 9+00E:

REN-10-01 overcuts hole NA-07-07 along this section. REN-10-01 intercepted 6 short mineralized zones at level 120-200 with widths from 0.9 to 7.7m (true widths) with Au values from 0.42 to 1.10 g/t. NA-07-07 intercepted 5 mineralized zones at level 210-310 with widths from 0.6 to 6.5m (true widths) with Au values from 1.18 to 12.35 g/t. This suggests that Au mineralization along this section is contained in thick veins and stringers.

Line 10+00E:

REN-10-04 overcuts hole NA-07-10 along this section. REN-10-04 intercepted 4 mineralized zones at level 80-130 with widths from 2.3 to 10.7m (true widths) with average Au values from 0.63 to 1.57 g/t. NA-07-10 intercepted 4 mineralized zones at level 220-250 with widths from 0.5 to 8.4m (true widths) with average Au values from 0.94 to 1.66 g/t. The section indicates consistency in the Au mineralization pattern from level 250 upwards which is contained mostly in thick veins and stringers.

Line 11+00E:

REN-10-09 was drilled 370m north of hole NA-07-03 along this section. REN-10-09 intercepted 1 mineralized zone 8.7m wide (true width) at level 180-190 with average Au value of 1.40 g/t. NA-07-03 which was drilled to test an IP anomaly intercepted anomalous Au values from 38-632ppb at around 50m level.

The line sections suggest that from L4+00 to L8+00, the Au mineralization widens at shallower depths to 16.3m in width with accompanying appreciable Au values. The line sections from L9+00 to L11+00 indicate Au mineralization is contained in veins and stringers with vein thickness up to 8.7m.

The line sections are attached in Appendix 3.



Photo 4. Example of intense pyrite mineralization at the north end of the north horizon, here from REN-10-02.

18.2 Arsenopyrite and gold

It has been previously noted that arsenopyrite is a good indicator of gold mineralization at New Alger. This is reflected in the arsenic assay values. If As values are plotted alongside the sampling depth, a "halo" of arsenopyrite mineralization becomes evident around each gold-carrying zone. Below are representations of this halo in REN-10-06, 08, 05 and 01. In REN-10-06 and 08, this arsenopyrite halo seems to envelop both the north and the south mineralized band, whereas in REN-10-05 and 01 As follows Au mineralization much more closely. Of further interest is that fact that arsenic still follows gold in outlying veins away from the main mineralized bands, as visible below in the case of a vein in the Pontiac greywackes, intercepted by REN-10-06 at 46m.

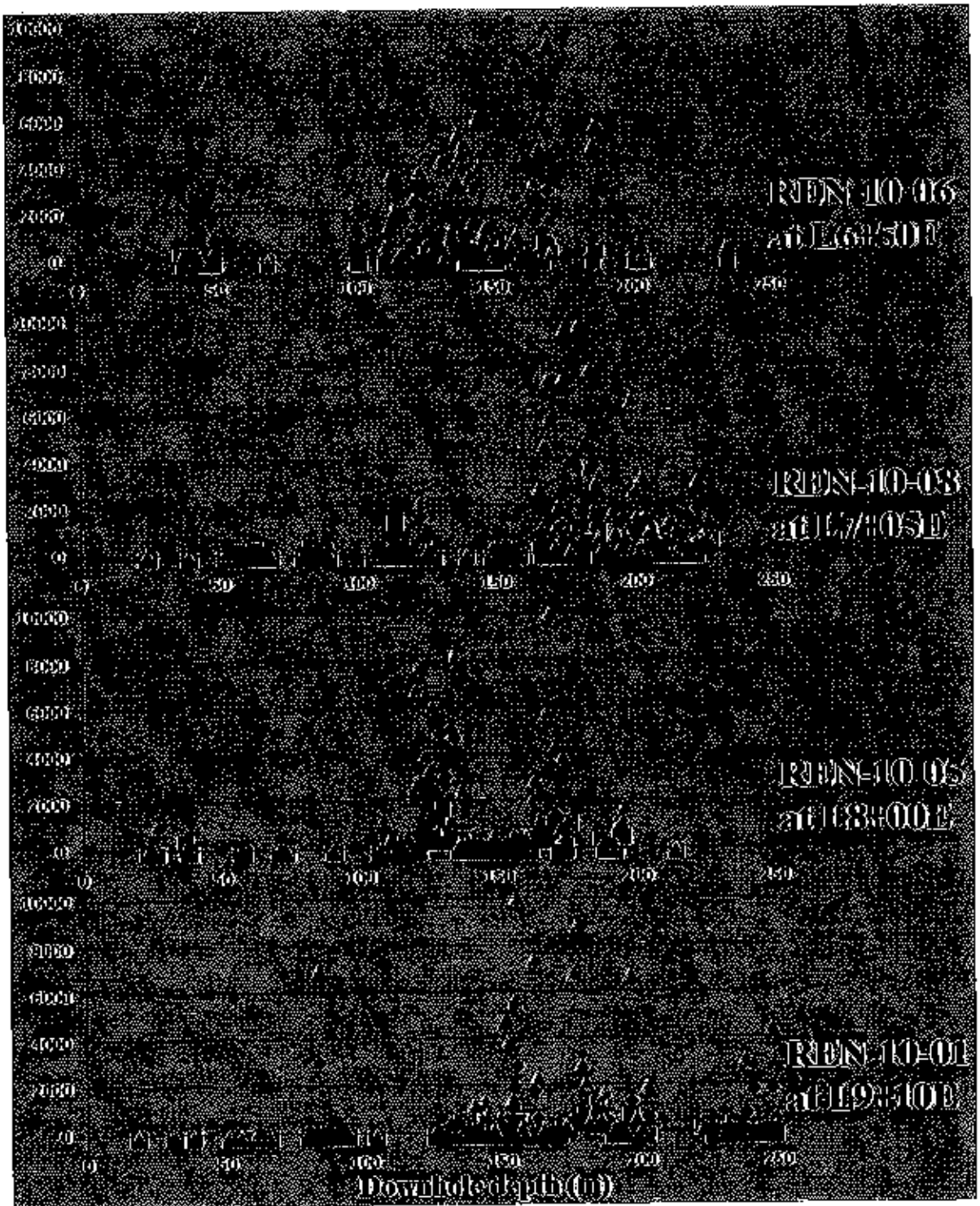


Figure 10. As (green), Au (blue) and Ag (red) assay values against depth in four 2010 holes. Arsenic is a proxy for the presence of arsenopyrite and are therefore showing the arsenopyrite "halo". Y-axis values are ppm for As, and ppb for Au and Ag.

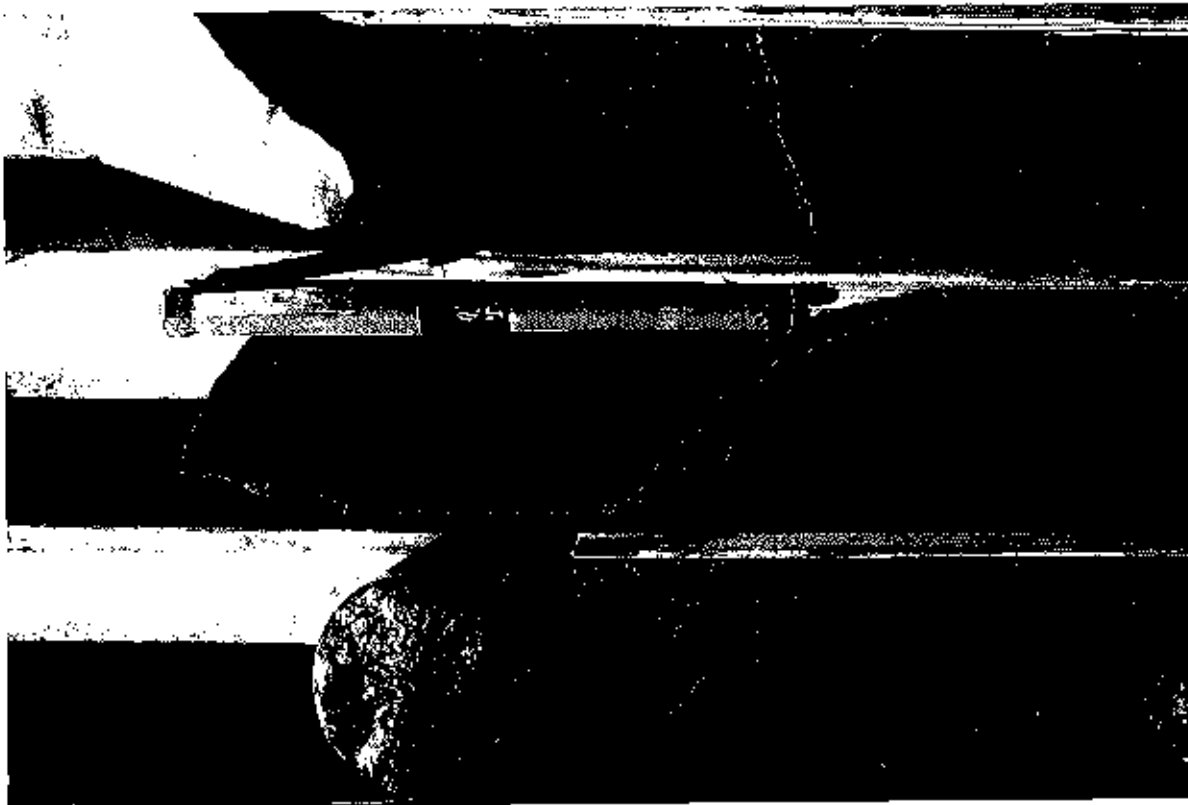


Photo 5. Biotized intermediate tuff from REN-10-05, carrying bladed arsenopyrite and blue quartz veining. This core is from the south horizon, about a metre stratigraphically above the porphyry, and includes sample J234491 which gave >10ppm Au.

18.3 Outlying Mineralization

Mineralization worthy of further exploration may still exist outside the central band of Piché volcanics. The original collar site of REN-10-04 placed it too close to an east-west ridge, and so the collar site was moved ~15m south, up behind this ridge, where the terrain was much more suitable for drilling. This hole encountered, amongst the Pontiac greywackes, a 2.5m band of silicified intermediate porphyritic tuff (actual thickness probably 1.8m) hosting prominent quartz veining and coarse arsenopyrite upwards of 5% core volume in places. The ridge is likely a surface expression of this band. Outcrops were searched for although snow, vegetation and frozen soil made this difficult – a summertime investigation would be much easier. Assays from this unit in REN-10-04 are not impressive but further investigation of this unit from the surface may still be worthwhile.

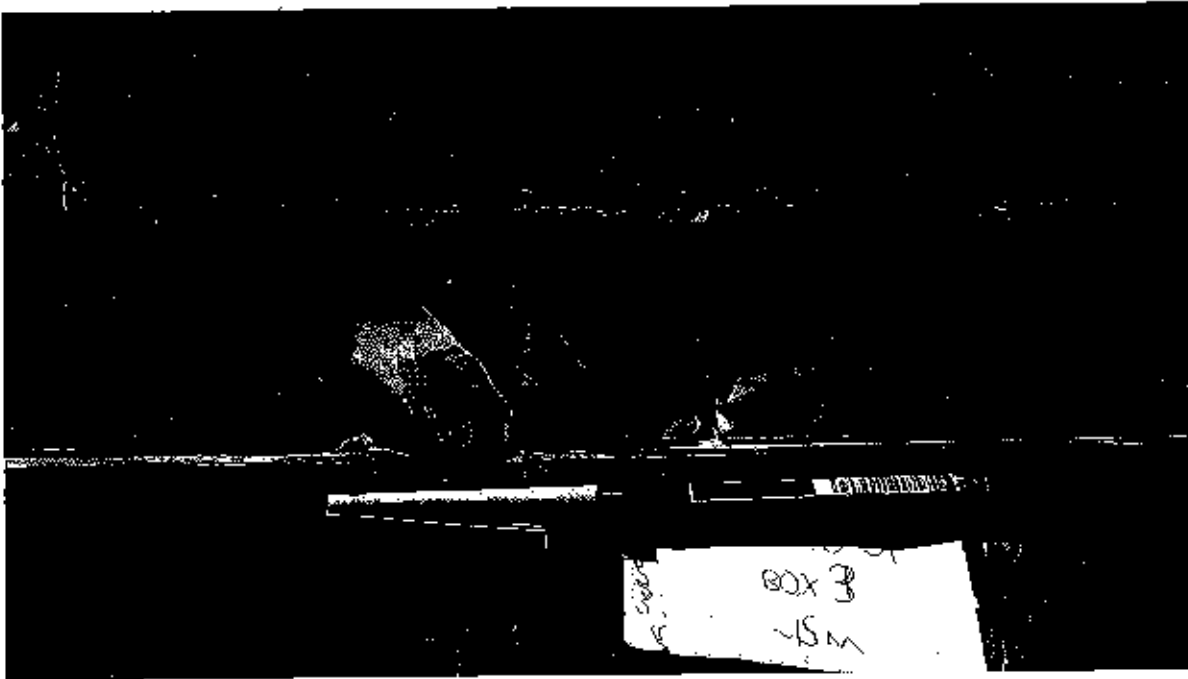


Photo 6. Core from the shallow, heavily veined volcanic unit within the Pontiac greywacke in hole REN-10-04

18.4 Silver Mineralization

Silver was included in the assayed elements for the first time at New Alger this year. The differing assay method (ICP as opposed to fire assay) meant that Ag values are rounded to the nearest 100ppb, reducing accuracy, but meaningful analysis is still possible.

All holes registered at least one sample with over 500ppb (0.5ppm) Ag. Some holes exhibited zones of silver mineralization more extensive than that of gold. These zones are most notable in holes REN-10-04, 09 and 07. Silver does not strongly correlate to any specific lithology nor does it follow arsenic (and therefore arsenopyrite) as strongly as gold, but there is still a large physical overlap between Au and Ag mineralized zones. While silver is less significant commercially and the grade of Ag encountered here is typically low, its extent and its concurrence with Au certainly makes it worthwhile to exploit.

The physical extent of silver mineralization appears to be patchy - Ag mineralization at the western end of current drilling and around lines 10+00E and 11+00E is extensive, but Ag is largely absent from line 5+00E to line 9+00E. In this interval, what little silver does exist strongly follows the two horizons of gold mineralization.

REN-10-04				REN-10-09				REN-10-07			
Depth	Litho	Au	Ag	Depth	Litho	Au	Ag	Depth	Litho	Au	Ag
177.7	WG	180		211.5	WG	72	300	37.30		4230	
179.2	PORPH	202	1300	213	PORPH	207		38.80		1265	300
180.7		250		213.3				40.30			300
181.6		127	1200	214		14	200	41.80			200
183.1		426	1200	215.5		7	300	43.00			200
184.6				217		13	300	44.50		37	300
186.1		411		218.5		6	-200	46.00		231	300
187.1		2980		220		89		47.50			400
188.6		221		221.5		237		48.20		2010	400
189.1		1145		223		34	300	49.20		2270	
189.9		3440		224.5		174		50.50		429	200
191.4		6560	1100	226		216		51.00		1635	
192.9		21	200	227.5		38	300	52.50			
	DRIFT			229		-5	300	53.40	WG		400
198.5		189	-200	230.5		3020	400	54.80	PORPH	473	
200		16	300	232		317		55.50		198	
201.5		115	300	233.5		173		58.40		78	1500
203				235		128	300	57.30	SS	45	
204	SS	37		236.5		323	400	58.90		18	
205.5		32		238				60.10		40	400
207		60	200	238.8		1970	1000	60.50		64	300
208.5		4050		240		2280		62.00		2690	1100
210		4450	200	241.5		2480		62.50		3750	
211.5		480	-200	243		1085		62.90			300
				244.5		3000		64.10		1390	
								65.60		251	
								67.10		22	
								68.60		11	
								70.10		11	

Figure 11: Mineralized intervals for holes REN-10-04, 09 and 07, showing the extent of both gold and silver mineralization. Depths are in metres and Au and Ag values are ppb. Values of -5 Au and -200 Ag indicate levels below detection. Red highlight 500-999ppb; yellow highlight ≥ 1000 ppb

A 33.8m interval in REN-10-04 gives an average of 511.7ppb/m Ag alongside 868.1ppb/m Au.

In REN-10-07, a 72.7m interval gives an average of 551.7ppb/m Ag alongside 975.3ppb/m Au.

83.40		6	
84.90		-5	300

89.30		26	300
90.80		62	200
91.80		4610	
92.60		487	
94.10		327	
95.20		92	
96.70		225	

19.0 Recommendations

19.1 Re-sampling of 2007-08 Cores

In some instances, samples from the 2007 and 2008 holes which give a high gold yield lie adjacent to unsampled material. It is recommended that further samples be taken in the adjacent core to constrain the mineralization. In others, high-yield samples exhibited strong correlations with particular lithological features which may not have originally been seen as significant. For example, all high-yield samples in the Pontiac greywacke in holes 07-04 and 07-05 lie within stretches which possess schistose foliation (which in the logs is either described precisely as such, or this is inferred). Other, unsampled, portions of greywacke are described as showing similar foliation and could therefore be worthy of reinvestigation. Instances of unsampled bluish quartz and arsenopyrite blades have also been noted. Intervals with multiple indicators should be given priority. A table containing all potential re-sampling is included here:

Hole	From (m)	To (m)	Findings	Details
NA-07-01	104	105	Presence of indicators	blue quartz veining
NA-07-03	15	20	Presence of indicators	blue quartz veining
NA-07-04	76	79	Presence of indicators	Schistose foliation in greywacke
NA-07-05	4	14	Presence of indicators	blue quartz veining + py
NA-07-05	46	50	Unconstrained zone	Adjacent to sample giving 554ppb
NA-07-05	143	147	Presence of indicators	Schistose foliation in greywacke
NA-07-05	180	181	Presence of indicators	blue quartz veining
NA-07-06	9	22	Presence of indicators	Schistose foliation in greywacke + qz; po
NA-07-06	10	21	Presence of indicators	blue quartz veining + po
NA-07-06	58	62	Presence of indicators	Schistose foliation in greywacke + qz; po
NA-07-06	67	79	Presence of indicators	Schistose foliation in greywacke + qz; po
NA-07-06	101	105	Presence of indicators	blue quartz veining
NA-07-08	27	28	Presence of indicators	Schistose foliation in greywacke + qz
NA-07-08	42	47	Presence of indicators	Schistose foliation in greywacke + blue quartz
NA-07-08	42	47	Presence of indicators	blue quartz veining + po
NA-07-08	125	127	Presence of indicators	blue quartz in volcanics
NA-07-09	161	162	Presence of indicators	Schistose foliation in greywacke
NA-07-09	270	273	Unconstrained zone	Adjacent to sample giving 684ppb + arseno blades
NA-07-09	273.8	282.7	Unconstrained zone	Adjacent to sample giving 570ppb + qz + arseno blades
NA-07-09	283.8	297.5	Unconstrained zone	Adjacent to sample giving 783ppb + blue quartz
NA-07-09	305.2	310.9	Unconstrained zone	Adjacent to sample giving 640ppb + blue quartz
NA-07-10	272.5	289	Unconstrained zone	Adjacent to sample giving 634ppb
NA-07-11	87	107.2	Presence of indicators	blue quartz veining + py + po
NA-07-11	180	200	Presence of indicators	blue quartz veining
NA-07-11	183	199	Presence of indicators	blue quartz veining
NA-07-12	319.1	323.2	Unconstrained zone	Adjacent to sample giving 1820ppb
NA-07-12	331	332	Presence of indicators	blue quartz veining + py

Table 12. Recommended re-sampling intervals for 2007-08 drill holes

In light of the impressive quantities of silver encountered in this drill program, it may also be advisable for old core to be re-sampled and tested for Ag. A likely subject of this re-sampling would be hole NA-07-10, an undershoot of hole REN-10-04. A more accurate assay method, if possible, should be applied to Ag; an improved dataset would help in correlating silver's geochemical relationship with arsenic and other elements.

19.2 Core Storage

This re-sampling, and general reinvestigation of core, could be made greatly easier if all core was stored at one location in an easily accessible manner. At present, core from 2007 and 2008 is stored in a garage in Cadillac, a small town just east of New Alger. Core has been stored very densely and retrieving core boxes is difficult, plus access is only permitted whenever the owner of the garage is present. 2010 core is stored in a sawmill near Malartic; retrieving core is physically much easier but core can only be accessed when the sawmill is open. Construction of core storage racks on easily accessible property elsewhere should be considered, so all core can be retrieved and reviewed at ease in future.

19.3 Further Drilling Recommendations

The final hole drilled this year, REN-10-07, was one of the most successful holes in terms of both mineralization encountered and in the proximity of this mineralization to the surface. This is also the westernmost hole so far drilled on the property – land immediately to the west of this collar remains unexplored. It is strongly advised that further drilling be conducted in this vicinity to characterise the extent of mineralization.

19.4 Surface Re-mapping

When weather permits it, the ridge close to the collar of REN-10-04 should be investigated. Samples from this mineralized volcanic body are not impressive but the reduced cost of conducting surface investigation may still make it worthwhile to take another look at this unit.

The Piché porphyries and tuffs outcrop along the north side of the highway, and the two mine shafts are located atop the Piché. The main target of these mine workings were large veins containing visible gold – lithologies hosting arsenopyrite and small veins were not exploited. Therefore it is possible that mineralization may exist, unexploited, at the surface. During this program, this area was searched for arsenopyrite-hosting outcrops but thick snow cover made this difficult. A search

conducted during summer may find such outcrops which could then be sampled for assay to test this idea.

20.0 References

Beaudoin, A. and Trudel, P. 1989. *Géologie des mines New Alger, Wood Cadillac, Central Cadillac, Pandora, Lapa Cadillac et Mic Mac*. Série Des Manuscrits Bruts. Ministère de l'Énergie et des Ressources Gouvernement du Québec.

JVX Ltd. 2007. *Report on Spectral IP/Resistivity and Magnetic Surveys New Alger Property – Cadillac Township Quebec*.

Billiken Management Services, Inc. 2008. *43-101 Report on A Diamond Drilling Campaign on the New Alger Property*.

Lahti, H.R. 2006. *Technical Report on the New Alger Property Mining Concession CM-0240-PTA, Cadillac Township Quebec*.

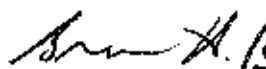
21.0 Date and Signature

Certificate of Qualified Person

I, Brian H. Newton, certify that:

1. I reside at 1518 Jasmine Crescent, Oakville, Ontario L6H 3H3
2. This certificate applies to the technical report entitled "Technical Report on the 2010-11 Drilling Project New Alger Property Cadillac, Quebec" dated August 22, 2011
3. I am a graduate of McMaster University of Hamilton, Ontario, Bachelor of Science in Geology (1984) and have been practicing my profession continuously since.
4. I am a member of the Association of Professional Geoscientists of Ontario (APGO) with Registration No. 1330.
5. I am a geologist practitioner for Billiken Management Services Inc with office address 304-65 Front St. East, Toronto, Ontario M5E 1B5.
6. I am a qualified person for the purposes of National Instrument 43-101- Standards of Disclosure for Mineral Projects (NI 43-101)
7. I co-authored this Technical Report.
8. I am independent, as described in Section 1.4 of NI 43-101, of Renforth Resources Inc.
9. I have performed a site visit to the New Alger Property.
10. I have read National Instrument 43-101 and this Technical Report has been prepared in compliance with NI 43-101.
11. As of the date of this certificate, to the best of my knowledge, information and belief, this Technical Report contains all scientific and technical information that is required to be disclosed to make this Technical Report not misleading.

Signed in Toronto, Ontario this 22nd day of August, 2011



Brian H. Newton



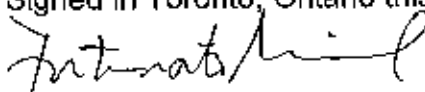
21.0 Date and Signature

Certificate of Qualified Person

I, Fortunato Milanes, certify that:

1. I reside at 48-1310 Fieldlight Blvd, Pickering, Ontario L1V 2Y8
2. This certificate applies to the technical report entitled "Technical Report on the 2010-11 Drilling Project New Alger Property Cadillac, Quebec" dated August 22, 2011
3. I am a graduate of University of the Philippines, Bachelor of Science in Geology (1977) and have been practicing continuously my profession.
4. I am a member of the Association of Professional Geoscientists of Ontario (APGO) with Registration No. 1959.
5. I am a geologist practitioner for Billiken Management Services Inc with office address 304-65 Front St. East, Toronto, Ontario M5E 1B5.
6. I am a qualified person for the purposes of National Instrument 43-101- Standards of Disclosure for Mineral Projects (NI 43-101)
7. I co-authored this Technical Report.
8. I am independent, as described in Section 1.4 of NI 43-101, of Renforth Resources Inc.
9. I have had no prior involvement with the property that is the subject of this Technical Report.
10. I have read National Instrument 43-101 and this Technical Report has been prepared in compliance with NI 43-101.
11. As of the date of this certificate, to the best of my knowledge, information and belief, this Technical Report contains all scientific and technical information that is required to be disclosed to make this Technical Report not misleading.

Signed in Toronto, Ontario this 22nd of August 2011


Fortunato Milanes



22.0 Additional Requirements for Technical Reports

23.0 Illustrations

23.1: General photos of the New Alger site and the Malartic facilities

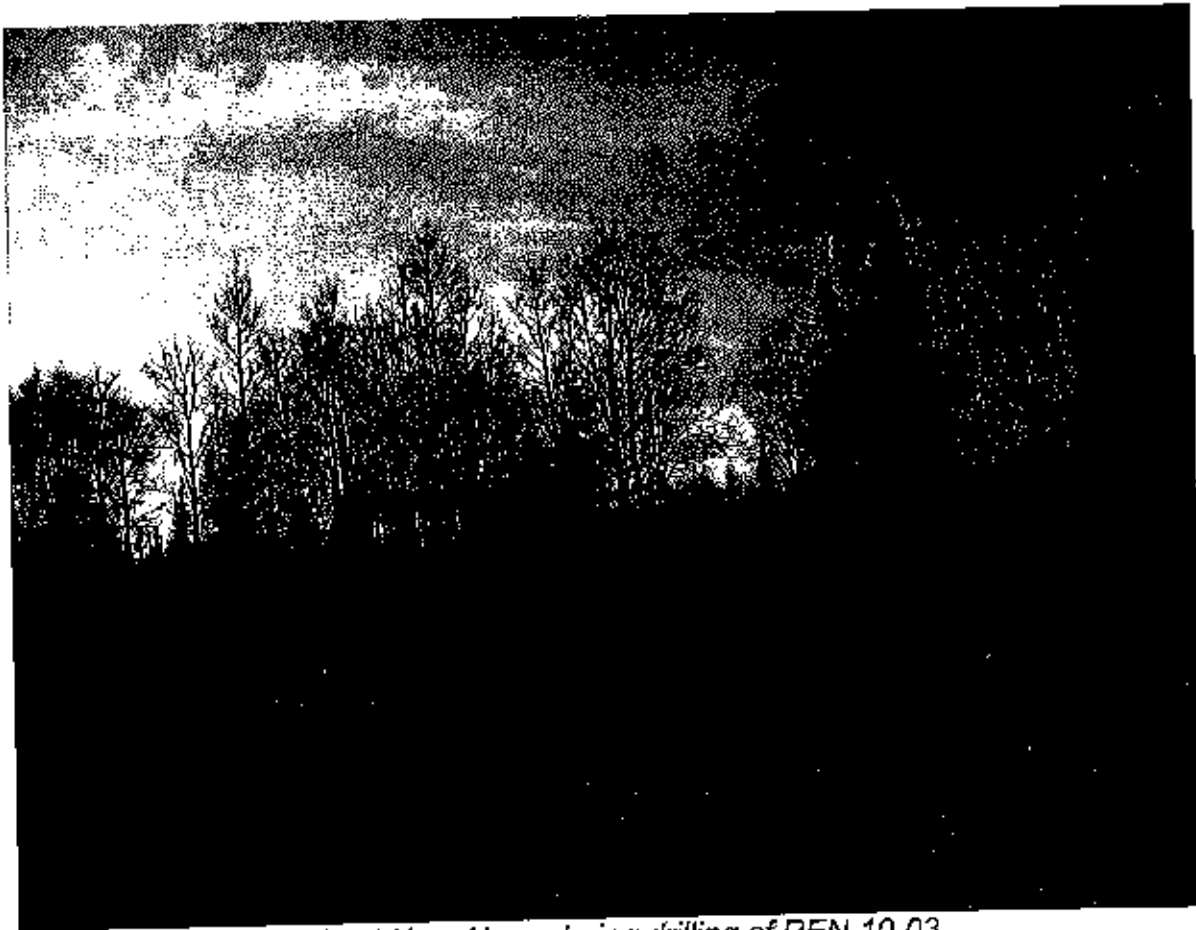


Photo 7. Orbit drill rig at New Alger, during drilling of REN-10-03

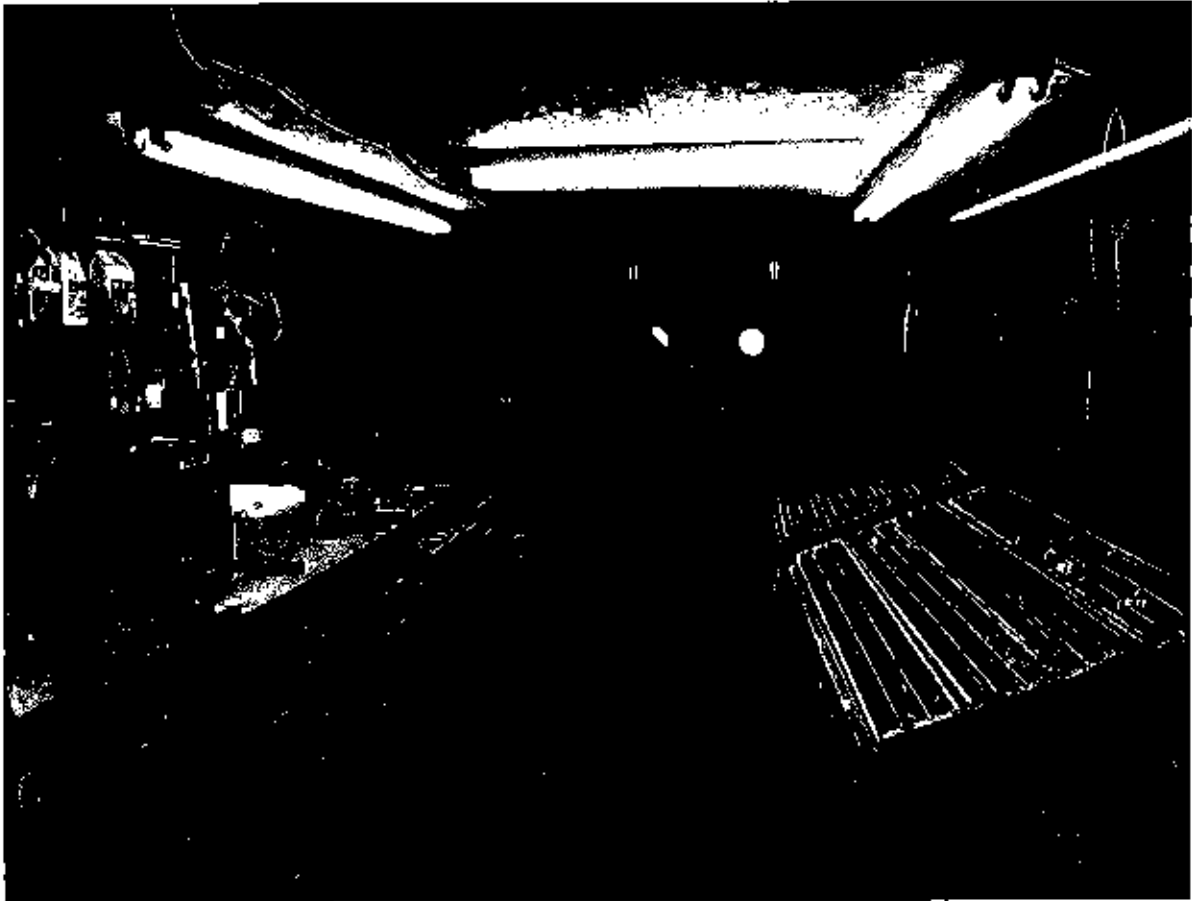


Photo 8. Garage at Malartic, showing core being logged

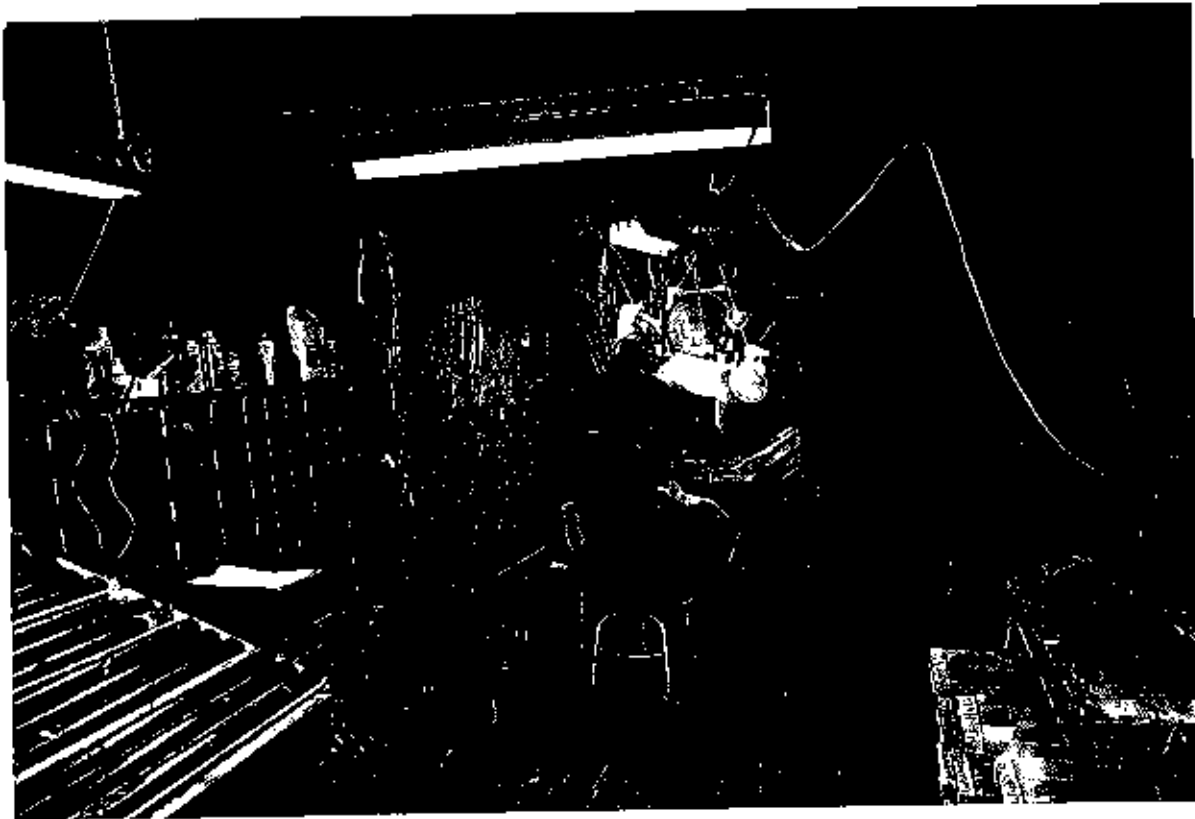


Photo 9. Garage in Malartic showing core-cutting underway



Photo 10. Storage of core near Malartic

APPENDIX 1
DRILL LOGS

Billiken Management		DESCRIPTION	ANALYTICAL RESULTS								
FROM	TO		SAMPLE	FROM	TO	LENGTH	Mag %	Py %	Arseno %	Au ppm	As ppm
0.00	6.00	Casing									
6.00	71.50	TUFFACEOUS GREYWACKE Medium-fine, dark grey, well bedded. Core heavily broken down to ~20m. Occasional sulphides on some bedding planes at ~10m. Occasional beds of carbonate throughout, 1-10mm thick. Vein of massive milky quartz plus yellowish orthoclase ~18-18.5m (thickness unclear due to degraded nature of core). ~15cm stretch below vein is strongly microfouled, silicified, some chlorite and pyrrhotite aggregates (up to 5mm size) present. Vein itself seems stannic. Generally more massive below ~20m. Aligned bands of medium, angular black shreds frequently visible starting here. Desensitized fine pyrite associated with tuffaceous subunits (~1%). Massive quartz veins every metre or so, starting 30.5m. 5-15cm thick sometimes associated with chlorite. Adjacent material typically microfolded and silicified. Brecciated by thin veins around 38.1m. Traces pyrite in some veins. Pyrite flakes on broken surfaces every metre or so below 45.5m. 40cm milky quartz vein 50.8-51.0m, carrying fine pyrrhotite aggregations up to 1cm across. Also present are aggregates of an arsenofilline, very fine blue-green mineral, approx Mohs hardness 4. Series of ~1cm thick massive quartz veins at 52.4m carry fine pyrite within them. Further, similar quartz veins at 53.0, 54.4, 55.1m. Veins less common until 65.7m, here a minor massive quartz vein carries prominent greenish chalcopyrite. Minor vein at 67.2m consists ~50% actinolite or tremolite.	18	18.8	0.8					<0.005	36
			J234541	30.5	30.8	0.3				0.043	15
			J234542	30.8	32.3	1.5				<0.005	27
			J234543	37.4	38.9	1.5		1-2%		<0.005	34
			J234544	50.6	51	0.4				<0.005	6
			J234545	55	55.3	0.3				<0.005	5
			J234546	60	61.5	1.5				<0.005	27
			J234547	61.5	63	1.5				<0.005	19
			J234548	63	64.5	1.5				<0.005	17
			J234549	64.5	65.5	1				<0.005	22
			J234550	65.5	65.8	0.3		5%		<0.005	19

Builken Management		DESCRIPTION	ANALYTICAL RESULTS									
FROM	TO		SAMPLE	FROM	TO	LENGTH	Mag %	Py %	Arseno %	Au ppm	As ppm	
143.50	162.00	MINERALISED MAFIC TO INTERMEDIATE TUFF Phenocrysts grade out around 143.5m. Tuff intermittently replaced with grey biotite from ~144m, and 145.3-145.5m carries ~3% fine euhedral with some chalcopyrite. Mineralisation is intermittent, sometimes absent for metre-long stretches. Biotite also absent in these regions; core is greenish. Lenses of quartz every ~1m from 148.5m. ~3cm massive quartz lens carries possible ~1mm gold flakes at 149.2m. 150.0-151.7m carries ~5% fine disse arseno. 150.3-150.5m has several ~1cm subvertical quartz veins. ~15cm quartz at 151.4m. Greenish with reduced mineralisation 151.7-154.1m. ~15cm quartz vein at 154.5m coarse disse arseno ~7% in this area plus ~1mm aligned prite blades. 155.1-155.5m is intermittent blue quartz, 10% arseno plus 5% pyrite. 156-160m is poorly mineralised (~1% arseno). Disseminated pyrite up to 10% below 160m.	1234578	143.2	144	0.8	0.8				0.153	1300
			1234579	144	145.5	1.5	3%			0.353	674	
			1234580	145.5	147	1.5	3%			0.192	867	
			1234581	147	148.5	1.5				0.023	65	
			1234582	148.5	150	1.5				0.162	668	
			1234583	150	151.2	1.2			5%	0.328	4670	
			1234584	151.2	151.5	0.3			5%	0.422	4840	
			1234585	151.5	153	1.5				0.168	3860	
			1234586	153	154.2	1.2				0.984	1405	
			1234587	154.2	154.5	0.3				1.935	5540	
			1234588	154.5	155	1.5	5%	10%		2.790	>10000	
			1234589	155	157.5	1.5				0.006	203	
			1234590	157.5	159	1.5				0.014	42	
			1234591	159	160.5	1.5				<0.005	500	
			1234592	160.5	162	1.5	10%			1.730	7310	
162.00	173.30	INTERMEDIATE PORPHYRYIC VOLCANICS Similar to previous. 5-10mm clasts and/or porphyroblasts, mainly plagioclase. Diss fine pyrite and arseno typically between 1 and 5% combined in this unit.	1234593	162	163.5	1.5	10%			0.528	2300	
			1234594	163.5	165	1.5				<0.005	29	
			1234595	165	165.5	1.5				0.006	28	
			1234596	165.5	168	1.5				<0.005	7	
			1234597	168	169.5	1.5				<0.005	10	
			1234598	169.5	171	1.5				<0.005	7	
			1234599	171	172.5	1.5				<0.005	96	
			1234600	172.5	173.3	0.8	10%	up to 10%		0.092	317	
173.30	185.30	SERICITISED AND MINERALISED INTERMEDIATE VOLCANICS Gradually becomes light grey in colour, primarily tuffaceous but porphyrites visible in places. Alteration obscures phenocrysts somewhat. Frequent patches of micaceous alteration and foliation. Various brown blues - presumably biotite) plus some quartz veining. Fine disse arseno up to 10% but is not always visible. 173.4-176.5m hard 1-2cm bands of massive fine pyrotholite (with some embedded pyrite) every 30-10cm.	1234601	173.3	174.8	1.5	10%	up to 10%		<0.005	18	
			1234602	174.8	176.3	1.5	10%	up to 10%		0.379	6770	
			1234603	176.3	177.8	1.5				0.467	8790	
			1234604	177.8	179	1.2				0.500	2840	
			1234605	179	180.5	1.5				0.188	2070	
			1234606	180.5	182	1.5				0.214	480	
			1234607	182	183.5	1.5				0.123	957	
			1234608	183.5	185	1.5				0.296	1195	

Bilikien Management		DESCRIPTION		ANALYTICAL RESULTS						
FROM	TO	SAMPLE #	FROM	TO	LENGTH	Mg %	Pv %	Arseno %	Au ppm	As ppm
210.00	212.50		GABBRO WITH CARBONATE VENING Gradual weakening of banding and coarsening 209-210m: coarse and crystalline 210-212.5m (galbro?). Fine to ~214m, weak banding resumes ~215m. Some evidence of shear in crystalline portion. Features partially obscured by veining.							
212.50	218.00		MAFIC-TO-INTERMEDIATE VOLCANICS WITH CARBONATE VENINGS Rare stringers of pyrite, pyrrhotite and chalcopyrite every ~1m, starting 216.7m. Isolated sericite patch 217.5-217.7m.							
218.00	222.50	J234572	DIORITE? WITH CARBONATE VENING Very gradual onset of a mid-grey, medium-grain, intermediate crystalline (?) lithology from 216-219m. Occasional euhedral plagioclase visible up to 1mm. 4cm massive quartz vein normal to core angle at 219.5m.	221	222.5	1.5		0.009		70
222.50	225.00		PELITE / SHALE Sharp contact to black, strongly laminated and very fine sediment. Carries 5-10% pyrite throughout, mainly along bedding but a ~4cm aggregation exists at 224.0m. Lamination sometimes microfolded. Occasional interbedding with 5-10cm bands of coarser, lighter material (more diorite? Anoxic, arkosic). Carbonate veins present and giving brecciated appearance in places, but less frequent than in previous units.							
225.00	226.70	J234623 J234624	INTERMEDIATE VOLCANICS Poorly sorted volcanic breccia. Clasts/pheonocysts of silica and feldspar visible up to 5mm; some are zoned. Scattered mm-size aggregations of pyrrhotite and <1mm bands of chalcopyrite.	222.5 223.5	223.5 225	1 1.5	5-10% 5-10%	0.039 0.024		145 105
226.70	227.90	J234625	PELITE / SHALE Sharp contact to strongly laminated pelite as previously. Some exposed bedding planes highly vitreous. 227.2-227.6m a volcanoclastic subunit, core is heavily fractured here so exact thickness is not known. Whole unit probably 5% pyrite and 1% chalcopyrite.	225	226.5	1.5		<0.005		30
		J234626		226.5	228	1.5	5%	0.016		121

FROM		TO		DESCRIPTION	SAMPLE	FROM	TO	LENGTH	ANALYTICAL RESULTS					
0.00	15.00	15.00	Casing						Insg %	Py %	Arseno %	Au ppm	As ppm	
15.00	46.20			GREYWACKE Classic greywacke. Variation in grain size and bedding. Occasional thin veins and streaks of quartz and carbonate. 3cm shaly quartz vein at 27.3m. Veining at 29.8m has associated chlorite.	J234766	38.0	40.2	1.2				0.014	37	
				31.4-31.6m massive quartz veining and silification. Trace pyrite. 32.1-32.4m is intensely veined with quartz (silicified?) and carbonate chlorided and foliated. Original material here probably a minor subunit of mafic tuff. 40.4-41.3m is similar although quartz is massive and trace pyrite is present.	J234767	40.2	41.3	1.1					0.313	38
46.20	74.80			ALTERED MAFIC VOL CANICS Gradational contact, 46.5-46.9m carries several 2-3cm bluish quartz lenses; tuff is chloridized - very fine, dark bluish-green. Some banding of dark blue translucent quartz (?) carrying coarse unaligned subhedral plagioclase (?) Some streaks of coarse pyrite here (probably 1%). Banding prominent throughout - 56-59 carries coarse, subrounded plagioclase. Highly chloritic, this has degraded into a greenish mud along some planes. Occasional 2-4cm nodules of massive quartz - this region reminiscent of the uranite ash, but without foliation. 58.9-59.0 is massive milky quartz. Brownish, finer 59.0-59.4m. 64-72m is distinctly light green to olive. Segregated patches and minor displacement on some thin veins. 69-72 is a very light green, supports nodular quartz veins, bands of coarse angular black pyroxene and scattered coarse arsenic? (1-2%).	J234768	46.4	47.0	0.6	2%			<0.005		23
					J234769	67.5	68.0	1.5					0.009	66
					J234770	68.0	70.5	1.5			2%		0.751	2640
					J234771	70.5	72.0	1.5					0.009	43
74.80	87.30			MAFIC TUFF Becomes darker, finer and better sorted. Veining becomes less prominent. Constant fine pyrite at ~1%. Cone is heavily fractured 78.6-82.0m.	J234772	81.7	83.2	1.5	2%			0.005	8	

Bilikken Management		DESCRIPTION		ANALYTICAL RESULTS						
FROM	TO	SAMPLE	FROM	TO	LENGTH	Mgd %	Pv %	Arseno %	Au ppm	Ag ppm
67.30	97.20	ALTERED MAFIC TUFF								
		J234772	87.5	88.1	0.6				0.008	67
		J234774	93.4	94.9	1.5				0.007	401
		J234775	94.9	96.1	1.2				0.007	1420
		J234776	96.1	97.1	1.0				0.103	2430
		Banding returns, as does a generally lighter (chloritic) colour. 87.5-97.2m massive milky quartz. Minor veining ~50m below this carries coarse euhedral pyrite and chloropyrite. Microcloning in this local. Intense veining and patches of milky quartz 94.8-96.1m. Intense microcloning, epidote present. No obvious mineralisation. 96.0-97.2m fine, dark brown. 97.4-97.7m carries patchy coarse arseno (~5%) mainly associated with a 5m nodular vein of quartz and plagioclase at 96.5m (also carries some chlorite).								
97.20	146.60	MAFIC VOLCANICS								
		J234777	97.1	98.6	1.5				<0.005	160
		Greenish below here. 97.5-98.0m is coarse - elongated ~10m epidolised clastiporphyroblasts. 100.4-101.1m carries coarse angular subhedral plagioclase and quartz (enriched in siderite?). 108.2-108.4m weakly silicified and brecciated. Carbonate veining prominent ~114-120m. Carbonates and chlorite extremely soft, mud-like 118-120m - core heavily degraded. 120-135m veining less prominent, no major features. 132.0-132.5m ~1% coarse pyrite in scattered short strings. Intense carbonates veining 135-138m. Occasional lenses and bands of fine, light brown material - harder than surroundings and 1-5cm thickness, carrying ~1mm angular black fragments (glass?). Possibly pre-existing veins of intermediate tuff. These and their surroundings altered to greas and epidote. Microcloning sometimes displaces these units and other veins. Minor pyrite (~1%, coarse) 145.5-148.0m.								
146.60	165.00	MAFIC-TO-INTERMEDIATE VOLCANOCLASTICS								
		J234779	145.1	146.6	1.5		1%		0.008	10
		J234780	146.6	148.1	1.5				0.014	6
		J234781	158.0	158.5	1.5				0.011	42
		J234782	159.5	161.0	1.5				0.014	59
		J234783	161.0	162.5	1.5				0.097	70
		J234784	162.5	164.0	1.5				0.072	742
		J234785	164.0	165.5	1.5				0.008	110
		Sharp contact that cuts across banding. Below is a greenish tuff, varial between banded and welded, carrying a variety of ~5mm objects, including lithic fragments, rounded quartz, rounded sub-spherical plagioclase, and subhedral pyroxenes. Weak alignment. Occasional 1-3cm patches of waxy, cream-coloured feldspar recrystallisation of tuff. Basal and chlorocysts make up ~50% of rock mass. Occasional patchy sericite alteration from 157m. Isolated but prominent ~5mm pyrite sblng at 158.2m, following a thin quartz vein. Sericified banding bands round chlorocysts 158-159m - probable shear.								

Biliken Management		DESCRIPTION	ANALYTICAL RESULTS								
FROM	TO		SAMPLE	FROM	TO	LENGTH	Mso %	Py %	Arseno %	Au ppm	As ppm
188.00	172.50	MAFIC-TO-INTERMEDIATE TUFF Gradual transition over several metres. Clasts and phenocrysts grade out but are still present in places (185.5-186.4m rounded trachandite relict-specific clasts?). 186-187m has bands of 2-3mm aligned euhedral pyroxenes (plus hornblende?). 5cm rugged of massive quartz. 188.4m, carries unaligned biotite flakes. Microfolding 165.5m. 188.4-188.5 patch of sericite, with coarse arseno -5% locally. 188.9-189.2m silicified shear zone? Blocks of massive quartz surrounded by heavily foliated tuff - some -5mm white flakes within quartz plus one possibly native gold? Narrow bands of euhedral plagioclase 170-171m. 172.4m: isolated -2mm quartz vein cuts across banding, carries rounded aggregation of fine chloropyrite, possibly zircon?	J234786 J234787 J234788 J234789 J234790 J234791 J234792	165.5 167.0 168.4 168.9 169.4 170.9 172.3	167.0 168.4 168.9 169.4 170.9 172.3	1.5 1.4 0.5 0.5 1.5 1.4 0.2					
172.50	212.80	SILICIFIED & MINERALISED INTERMEDIATE PORPHYRY AND TUFF Gradual onset of ~5mm aligned, subrounded siliceous clasts, with occasional patches of ~5mm stacked plagioclase blades indicating shear. Scattering tuff is dark grey. ~5mm nodules of milky quartz. 174.1m, apocars stents. Sinusoidal thin quartz vein 174.8m is associated with dark band and local fine arseno. ~20cm stretches of silicified tuff 175.7, 177.0 - porphyry absent, arseno blades plus aggregations of fine pyrite here, ~3% each. 178.8-179.0 is intensely chloritised, core degraded. ~2cm recrystallised band at 180.0. Intensely sheared and displaced banding. Fine arseno continuous below here, normally ~1% but up to 5% locally where porphyry is absent and tuff is yellowish, very fine. Occasional 5cm white quartz veins, consistently ~40 degrees to banding, carry 2-3mm angular pyrite aggregations. Clasts and/or phenocrysts less prominent 182-184m. 185.7-186.0m is yellowish, sericified, supporting arseno blades and aligned, euhedral plagioclase and pyroxene. Single blue quartz vein 186.9m - 1cm thick. Further steeper veins at 186.7m and 187.0m, and several 189.0-189.6m. All are ~20° from angle of latter group of veins carry 3% fine arseno while area is silicified and carries 3% pyrite flakes. 188.7-191.7m is phenocryst-poor banded yellow-to-brown silicified tuff carrying 5-10% arseno.	J234793 J234794 J234795 J234796 J234797 J234798 J234799 J234800 J234801 J234802 J234803 J234804 J234805 J234806 J234807 J234808 J234809 J234810 J234811 J234812 J234813	172.5 173.5 174.0 174.0 175.5 177.0 178.5 180.0 181.5 183.0 184.5 185.7 186.2 187.7 188.0 189.7 191.2 191.2 192.6 194.1 194.1 195.3 195.3 195.7 195.7 187.2 188.2	173.5 174.0 175.5 177.0 178.5 180.0 181.5 183.0 184.5 185.7 186.2 167.7 169.0 169.7 191.2 191.2 192.6 194.1 194.1 195.3 195.7 195.7 187.2 188.2	1.0 0.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.2 0.5 1.5 1.3 0.7 1.5 1.4 1.5 1.5 1.2 0.4 1.5 1.0			1-5% iron	0.007 0.055 0.167 1.695 0.009 0.076 0.334 0.639 0.138 0.168 0.319 0.375 0.418 0.256 0.269 0.075 0.046 0.076 0.028 0.283 0.578	

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FROM	TO	DESCRIPTION	ANALYTICAL RESULTS								
			SAMPLE	FROM	TO	LENGTH	Mng %	Py %	Arseno %	Au ppm	As ppm
98.10	110.80	MAFIC TUFF Dark brown-green, fine-medium, banded but not prominently so. Strongly carbonised. Occasional prominent -5mm quartz tension veins generally strike. Dull -3mm band of quartz and chlorite at 109.0 carries ~2% pyrite flakes, as does broken surface immediately below. 103.6-103.8m is weakly chloritised, a few bands of tuff are light brown. 107.9-108.0m is mid-green, sub-foliated and strongly chloritised. Very sharp upper and lower contacts - truncation veins. 109.5-110.8m is weakly chloritised, carries ~1% pyrite in 1-6mm flakes within banding and within a 5mm quartz vein at 109.8m.									
110.80	114.80	SULPHID GREYWACKE Fine, dark, silty, 5mm quartz vein at 111.3 carries coarse euhedral chloropyrite covering half of the exposed surface. Very thin fracture planes within carry 5-10mm pyrite flakes.	J234858	111.00	112.50	1.50		up to 5%		0.013	25
			J234859	112.50	114.00	1.50		up to 5%		0.011	25
114.00	129.00	CHLORITE SCHIST Carries ~5mm lthos fragments below 114.8, squashed in places. Core consistently becomes chloritised, greensch and soft - degraded. Occasional 10mm white quartz veins, sometimes boudinaged. 10th band at 119.7m. Chlorite foliation only present in association with sporadic 5mm quartz veins ~124-128m. Veins appear stable (i.e. Pure quartz). One instance of middle flakes along a contact.	J234860	123.90	125.40	1.50				0.009	484
			J234861	125.40	126.90	1.10				0.006	383
129.00	133.50	CARBONISED INTERMEDIATE AGGLOMERATE TUFF Appears to be an intermediate tuff carrying squashed clasts in places. Chloritised, with localised schistose foliation. Strongly banded with banding indicated by white streaking - chlorite. Core is averse to weating with a crust, possibly caused by chlorite.	J234862	127.20	127.60	0.40				0.007	472
133.50	174.10	CHLORITISED MAFIC TUFF Carbonate and chlorite presence become less intrusive over ~2m. Appears more mafic. Occasional interbedding associated with sigmoidal quartz veering. Hard brownish banding 151.5-151.7m. Thin branching epidotised sheet potentially ~152.2m - localised pyrite. Coarse euhedral pyroclasts around 153m. 169.5-189.8m is darker, coarser. 168.9-173.1m is light, highly chloritised. Coarse pyroclasts here show central alteration - green-coloured rims.	J234863	152.00	153.00	1.00		1%		0.011	8
			J234864	153.00	154.50	1.50				0.011	<2

FROM		TO		DESCRIPTION	ANALYTICAL RESULTS									
					SAMPLE	FROM	TO	LENGTH	Mag %	Py %	Arseno %	Au ppm	Ag ppm	
174.10	181.00			MAFIC-TO-INTERMEDIATE PORPHYRY TIC TUFF Coarse phenocrysts (orthoclase, plagioclase, hornblende?) become more dominant. Flattened/rearred in places. Supporting material is green-gray. Carbonate veins and ~1cm oval bodies (altered clasts?) scattered throughout. Occasional 1-5cm bands of hard, light brown stuff, these areas silicified. ~1cm quartz veins every ~1m, sometimes accompanied with biotite. 175.0-178.7m carries ~5mm (coarser than usual) plagioclase and quartz, some rounded. 5cm band of very fine black material at 178.0, carries a ~3mm string of pyrite. ~10cm around 178.6m is schistose and very soft. Talc along broken surfaces ~178--181m.										
191.00	202.20			INTERMEDIATE TUFF Grey, banded. Some blades of plagioclase and ~6mm rounded siliceous clasts. 189.3-189.6m is a silicified shear zone. Slightly brown 196.0-196.5m (blaste?). Occasional thin blue quartz veining - 3cm vein at 197.7m - 1mm-thick arsenic string along central massive clear quartz 200.7-201m, surroundings foliated and carrying 5% pyrite in 1-5mm aggregates. 20% pyrite in an isolated 5cm band at 201.0m. Very soft and chloritized around 202.0m. Chlorite, epithermal towards end of unit and into next.										
202.20	221.10			SILICIFIED AND SHEARED INTERMEDIATE PORPHYRY TIC TUFF Gradual onset of thin quartz and plagioclase phenocrysts. These are often sigmoidally stacked indicating shear. Several signs of brecciation - blue quartz veins hosting smaller white quartz (arsenic veins, truncated veins and bands etc. Remaining supporting tuff / groundmass is often yellowish. Banding of biotite and other very fine, dark brown minerals 207.2, 208.3, 208.7m. Plagioclase sometimes 10mm long and extremely well-formed 208-207m. Occasional heavy fracturing of core. Dark arsenic (2-3mm blades) up to 5% in this unit. ~2% pyrite throughout. Intense brecciation and recrystallisation 213.0-217.0m. Below this, bulk of core is massive, dark brown quartz. 10% arsenic here plus up to 10% pyrite in string. Thin white quartz veins have sigmoidal links. ~20% of core is sheared remains of porphyry.										
		1234865	174.00	178.50	1.50					0.011				
		1234866	175.50	177.00	1.50					0.016		19		
		1234867	177.00	178.50	1.50				1%	0.011		22		
		1234868	183.10	188.70	0.60				1%	0.008		12		
		1234869	196.00	196.50	1.50					0.064		204		
		1234870	196.50	198.00	1.50					0.810		1390		
		1234871	198.00	199.50	1.50					up to 5% in		32		
		1234872	199.50	200.60	1.10					up to 5% in samples b		14		
		1234873	200.60	201.00	0.40					0.352		7560		
		1234874	201.00	202.20	1.20				15% locally	0.155		2130		
		1234875	202.20	203.70	1.50					0.875		1590		
		1234876	203.70	205.20	1.50					0.102		594		
		1234877	205.20	206.70	1.50					0.483		6660		
		1234878	206.70	207.40	0.70					0.721		9470		
		1234879	207.40	208.00	0.60					0.788		7700		
		1234880	208.00	209.50	1.50					0.584		3590		
		1234881	209.50	211.00	1.50					2.000		5630		
		1234882	211.00	213.50	1.50					1.595		2980		
		1234883	212.50	213.80	1.10					0.859		5960		
		1234884	213.80	214.30	0.70				10%	0.277		4500		
		1234885	214.30	214.90	0.60					0.291		9240		

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FROM	TO	DESCRIPTION	ANALYTICAL RESULTS									
			SAMPLE FROM	TO	LENGTH	MAG %	Py %	Arseno %	Au ppm	As ppm		
0.00	5.00	Continuity										
5.00	14.00	TUFFACEOUS GREYWACKE Dark grey, fine-medium, well bedded. Occasional beds of intermediate tuff (fine-medium, angular, <5cm) plus some minor quartz-carbonate veining. ~2cm vein at 11.1m has associated chlorite.	J234644	12.5	14	1.5					0.020	136
14.00	16.50	SILICIFIED INTERMEDIATE PORPHYRY 10cm massive quartz at 14.0m. Cores emerges other side as a dark, fine, banded tuff carrying coarse arseno ~10%. 14.3-14.8m is silicified with alternating bodies of massive traly quartz and brecciated portions of an intermediate porphyry carrying 1-5mm plagioclase phenocrysts and ~3% disse arseno. Quartz float appears unmineralized. Porphyry with some quartz veins to 15.7m. Remainder of unit is tuff with ~10% perthite in 1cm thick bands, plus further sterile quartz veining. Some broken surfaces covered in chalcocopyrite.	J234645 J234646	14 15.5	15.5 16.5	1.5 1			5-10% 5-10%	0.028 0.009	1430 523	
16.50	115.90	TUFFACEOUS GREYWACKE As pre-veasy. Pyrite (~1%) in occasional thin veins. Scattered ~1cm disorbant bands of sil-size material (some colouring) displace beds. No apparent alteration or recrystallisation associated with these microfaults (best example 20.2m) although one at 34.2m carries pyrite and green chlorite. Gradual increase in proportion of tuff from ~30m to ~85m. Grey-brown, fine-medium, banded in this zone. Constant quartz-carbonate veining. Typical 1-5cm veins every ~10cm. Occasional ~20cm stretches of coarser material, typically unvetined. Dise pyrite throughout at ~1%, especially visible on some broken surfaces. Veins are typically thicker ~52-55cm; weak silicification in places. Massive quartz being ~40% of core in this region. Veins are sterile. Kink bands around 83.7 and 85.0m. ~15cm quartz-carbonate veining around 73.7 and 80.0m. ~1m Boudin sequences apparent ~88m to ~100m. 15cm silicified, vetined and milky schistose around 92.0, 106.1 and These regions carry occasional ~6mm fine pyrite aggragations.	J234647 J234648 J234649 J234650 J234651 J234652 J234653 J234654 J234655 J234656 J234657 J234658 J234659 J234660 J234661	16.5 30 31.5 33 34.5 36 37.5 53 54.5 56 57.5 75.6 80.2 81.7 96 114.4 114.7	18 31.5 33 34.5 36 37.5 54.5 56 57.5 75.9 80.2 81.7 97.5 114.7 115.9	1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 0.3 0.3 1.5 1.5 0.3 1.2		-1% 1-2% 1-2%	0.006 0.006 0.006 0.009 0.008 0.007 0.006 0.006 0.012 0.006 0.007 0.015 0.008	85 10 10 9 7 18 10 23 57 23 22 26 48 19 19		

FROM		TO		DESCRIPTION	SAMPLE	FROM	TO	LENGTH	ANALYTICAL RESULTS					
									kg	Py %	Arseno %	Au ppm	As ppm	
144.00	144.00	144.00	144.00	MAFIC TUFF Fairly sharp contact. Shows general dark green colour with greywacke but is strongly banded and permeated by thin quartz-carbonate veins. -5mm green chalcopyrite flakes on irregular broken surface near contact. Pyrites (streaks/stains, occasional 1mm crystals) scattered throughout unit, probably <1% throughout but occasionally up to ~3% (around 128m). Colour change 134-135 to dark brown. 137.3-137.8m is fine, massive, dark brown/green, crystalline (basalt flow?) hosts several thin carbonate veins of highly irregular form. 138.3-138.7m is a well-defined fault zone? Massive quartz plus wispy bands of silicified, block very fine cryptocrystalline material. Minor carbonate component. No visible mineralisation.										
144.00	147.30	144.00	147.30	SILICIFIED INTERMEDIATE TUFF AND PORPHYRY Colour change over ~20cm to a mid brown-grey around 144.0m. 1-5mm ovoid bodies of quartz and carbonate embedded around 144.7m. Fine disse pyrite probably 5%, starting around 145.7m. 148-147 primarily composed of aligned ~5mm subrounded silica chert/epherocysts, supporting material is fine, massive, yellowish. Tuff with 10% fine arseno 147.0-147.2m.	J234665	144	145.5	1.5				0.253	866	
		145.5	147		J234667	145.5	147	1.5				2.200	5080	
		147	147.3		J234688	147	147.3	0.3			10%	0.248	>10000	
147.30	161.70	147.30	161.70	MAFIC VOLCANICS Green colouring returns. Weak banding. Extensive irregular quartz-carbonate veining. Increasingly massive, crystalline (basaltic/andesite) from ~150m. Waxy veining of cream-coloured carbonaceous material (chalcopyrite?) begins 150.7. Veins broader than surrounding material. Crystal size and massive structure. 152-158m irregular gabbro. Banding returns and dolomite disappears ~157m. 1-3mm euhedral black pyroxenes common here. Mineralisation generally poor in this unit. 158.3-158.6m is silicified, disse pyrite 10%. Extremely localised. Band of 1mm arseno at 161.5m.	J234669	147.3	148.8	1.5					0.106	1150
		158.3	158.6		J234670	158.3	158.6	0.3				6.670	6380	
		158.6	160.2		J234671	158.6	160.2	1.6			2-3% throughout these	0.045	1130	
		160.2	161.7		J234672	160.2	161.7	1.5				0.043	911	
161.70	162.50	161.70	162.50	INTERMEDIATE PORPHYRY Rapid onset of ~5mm quartz and pyroxene phenocrysts, variety of very scattered pyrites and chalcopyrite (<1% combined) 166.9-167.6m is fine, crystalline - flow?	J234673	161.7	163.2	1.5				0.013	234	
		163.2	164.7		J234674	163.2	164.7	1.5				0.012	54	
		164.7	166.2		J234675	164.7	166.2	1.5				0.103	362	
		166.2	167.7		J234676	166.2	167.7	1.5				0.010	38	
		167.7	168		J234677	167.7	168	0.3				0.016	34	

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FROM		TO		DESCRIPTION	SAMPLE	FROM	TO	LENGTH	ANALYTICAL RESULTS					
									Moist %	Pv %	Arseno %	Au ppm	As ppm	
204.70	209.00			GREYWACKE AND PELITE Alternating coarse-fine units alternating with a pelite/fine-grained. Dark, very fine, laminated. Carries continuous strings of pyrite and pyrochlore, along bedding. Thin irregular carbonate veins throughout. Pelite has sharp upper and lower contacts. Greywacke from 205.6m, some mixing with intermediate tuff material. Sediment is typically poorly sorted. Slight color change 208.5-213 to brownish, gray. Occasional 5-10mm sinuoidal bluish quartz veins, plus fine clay matrix. Occasional 5-20mm medium argillaceous units with extremely sharp contacts. Pyrite strings throughout up to 5%. Graphite on some bedding surfaces. 226.3-226.9 is a bedded tuff subunit, with ~30m blue quartz vein near top contact. 225.4-227.4 is poorly crystallized, permeated by very thin, tabular veins. Larger veins carry ~1mm pyrite and druse flakes, plus possible very fine native gold.	204.703	204.703	205.5	205.5	1.5		3%		0.037	674
					223.4704	205.5	207	207	1.5				0.032	231
					223.4705	207	208.5	208.5	1.5				0.030	1122
					223.4706	208.5	210	210	1.5			3%	4.050	7460
					223.4707	210	211.5	211.5	1.5			3%	4.450	5670
					223.4708	211.5	213	213	1.5			1%	0.480	2230
					223.4709	213	214.4	214.4	0.5		5%		0.085	130
					223.4710	214.4	216.8	216.8	0.5		2%		0.258	1350
					223.4711	216.8	218.5	218.5	1.5				0.008	22
					223.4712	218.5	219.5	219.5	1.5				0.005	13
					223.4713	219.5	217.5	217.5	1.5				0.005	14
					223.4714	217.5	217.5	217.5	1.5				0.045	15
229.00	240.00			TALC-CHLORITE SCHIST General onset of greenish colour, classic schistose texture in last metre of core. EOH										

Billiken Management

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	LENGTH	Mag %	Py %	Aspy %	Au ppm	As ppm
90.60	113.00	MAFIC-INTERMEDIATE BANDED TUFF Strongly banded, typically fine. Variety of brown and green colourings. Coarse around 50.8m. Frequent thin quartz-carbonate veining, typically concordant but some veins are normal to bedding, and often dip-fold or displace adjacent bands. Occasionally silicified, especially where green. Isolated non-thick pyrite sitting at 92.6m; upper portions of unit otherwise appear poorly mineralized. Beds of fine-medium, black angular material around 99.0m and -107.5-109.0m. Disseminated pyrite and arsenopyrite from -108m.	J234476 J234477 J234478 J234479 J234480	106.2 107.7 108.2 110.7 112.2	107.7 109.2 110.7 112.2 113.7	1.5 1.5 1.5 1.5 1.5		3-5% throughout these s 2-5% through		0.008 0.302 0.067 0.025 0.028	32 1185 236 179 54
113.00	119.70	PORPHYRITIC MAFIC-INTERMEDIATE VOLCANICS Very gradual onset of 2-4mm siliceous clasts/phenocrysts; aligned, varying from rounded to euhedral. Some probably relict-sphatic. Serpentinized around 111.5m. 113.4-115.2m has generally darker upper part, plus occasional beds of very fine, light brown material. Microfolding and highly silicified quartz-carbonate veining around 115.0m. 117.6m: thin discordant white quartz vein, with either side displaced by an unknown amount. Prominent clattering of colour and localized (for ~15cm) pyrite on lower side of this vein. Disseminated pyrite and arseno associated with occasional thin beds of very fine brown material -117-120m.	J234481 J234482 J234483 J234484	113.7 115.2 116.7 118.2	116.2 116.7 118.2 119.7	1.5 1.5 1.5 1.5				0.008 0.013 0.108 0.285	28 75 498 2200
118.70	125.40	SILICIFIED & MINERALIZED PORPHYRITIC MAFIC-INTERMEDIATE VOLCANICS Mineralisation continuously 2-4% below -120m. Frequent silicification, sericite. 121.2-121.5m: vein of massive quartz. Sulphide content of vein itself appears minimal. ~5cm band at 121.5 is pink (orthoclase?), ~10cm is silicified, yellowish, brecciated around 122.8m. Cleats abruptly stop at 125.4m.	J234485 J234486 J234487 J234488 J234489	119.7 121.2 121.5 123 124.5	121.2 121.5 123 124.5 125.4	1.5 0.3 1.5 1.5 0.9				0.582 0.116 0.893 0.348 1.005	6750 2690 7880 3950 3190
125.40	136.40	SILICIFIED & MINERALIZED MAFIC-INTERMEDIATE BANDED TUFF Blue quartz veins and lenses 126.9, 128.2m. Up to 5cm thick. Serpentinized in these areas. Dark brown (to-olive) banding. Disseminated arseno probably 5% throughout unit. Bands intensely microfolded and occasionally schistose 129.5-130.5m. Frequent structural 2-3cm blue quartz veining. ~30cm part of blue quartz at 131.6m; conchoids carry 1-2mm stauropyrrite aggregations and numerous 1-2mm arseno blades with random orientation.	J234490 J234491 J234492 J234493 J234494 J234495 J234496	125.4 126.9 128.4 128.4 130.4 131.4 131.4 131.9 133.4	126.9 128.4 128.4 130.4 131.4 131.9 133.4	1.5 1.5 1 1 1 0.5 1.5				1.345 8.78 4.84 10.6 3.03 7.94 5.01	6030 >10000 >10000 >10000 >10000 >10000 >10000

Biliten Management

FROM	TO	DESCRIPTION	ANALYTICAL RESULTS									
			SAMPLE	FROM	TO	LENGTH	Mag %	Py %	Asy %	Au ppm	As ppm	
		136.6-137.0 silicified, dark brown, massive translucent quartz aggregations 1-3cm	1234497	133.4	134.9	1.9					4.89	8200
			1234498	134.9	136.5	1.6					0.03	157
			1234499	136.5	137	0.5				5-10%	0.451	2410
			1234500	137	138.4	1.4						
138.40	150.00	SILICIFIED & MINERALIZED PORPHYRITIC MAFIC-INTERMEDIATE VOLCANICS Quartz and plagioclase phenocrysts/lobes, aligned. Coarse to medium occasionally in dark grey groundmass. Occasional light brown beds of very fine material. Mineralisation slightly reduced here - no arsenopyrite. Sulphides still ~2% throughout.	1234501	138.4	139.0	1.5					0.04	150
			1234502	139.0	141.4	1.5					-0.005	38
			1234503	141.4	142.9	1.5					-0.005	10
			1234504	142.9	144.4	1.5					-0.005	6
			1234505	144.4	145.9	1.5					-0.005	16
			1234506	145.9	147	1.1					-0.005	13
			1234507	147	148.4	1.4					-0.005	350
			1234508	148.4	149.3	0.9					0.024	254
			1234509	149.3	149.6	0.3		20%			-0.005	31
150.00	156.00	GREYWACKE Grey, coarse, weak bedding, classophanocrysts absent. Appears entirely secondary. Frequent quartz and carbonate veining, gives brecciated appearance in places. Mineralisation ~1% in this unit.	1234510	149.6	151.1	1.5				1%	-0.005	25
			1234511	151.1	152.6	1.5				1%	-0.005	24
			1234512	152.6	154.1	1.5				1%	-0.005	35
			1234513	154.1	155.1	1				1%	0.019	170
			1234514	155.1	156	0.9				1%	0.065	534
156.00	163.60	SILICIFIED & MINERALIZED PORPHYRITIC MAFIC-INTERMEDIATE VOLCANICS Intermediately silicified and sericitised - ~50% of unit, 1-5cm bands of massive pyrite and chalcopyrite every ~50cm - ~10% of whole unit. Sharp colour contrast at 160.1m, brownish below this, and fewer clasts, immediately below ~5cm massive pyrite. Arsenopyrite rare, and apparently absent until 160.6m where occasional 1-2mm blebs appear. Sulfidation intense 163.2-163.5m, obscures features. Appears monotonously light grey. Banded, buffaceous, phenocryst-poor below this. Disseminated arseno - 9% here.	1234515	156	157	1				10%	0.328	470
			1234516	157	158	1				10%	0.08	72
			1234517	158	159	1					-0.005	51
			1234518	159	159.5	0.5				10-20%	0.12	62
			1234519	159.5	160.1	0.6				10-20%	0.314	547
			1234520	160.1	161.1	1					0.029	310
			1234521	161.1	162.1	1					0.174	1860
			1234522	162.1	163.6	1.5					1.055	2830
163.60	168.00	TUFFACEOUS PELITE OR GREYWACKE Tuff rapidly grades into dark, fine and prominently banded unit. Pyrite stringers throughout, within bedding. Embayed in places. Some chlorite alteration 164.0-164.2m. Slowly grades into a coarse arkosic lithology	1234523	163.6	165.1	1.5					0.284	1190
			1234524	165.1	166.6	1.5					0.716	2840
			1234525	166.6	168.1	1.5					0.488	5700

Billiken Management

FROM	TO	DESCRIPTION	ANALYTICAL RESULTS									
			SAMPLE	FROM	TO	LENGTH	Mag %	Py %	Aspy %	Au ppm	As ppm	
		~165.2m. Scattered veins (often brecciated) and lenses of blue quartz below 167.0m; tuffaceous, brownish. Disseminated arsenic with some 1-2mm pyrite aggregates here to 166.2m.	J234526	168.1	169.6	1.5					3.37	>10000
		188.8-172.0 appears arkosic, coarse.	J234527	169.6	171.1	1.5					1.32	4310
		172.6-172.6m massive blue quartz. Associated arsenic blades. Similar but smaller vein 174.2m.	J234528	171.1	172.6	1.5					0.842	761
		174.7-175.4 silicified pebbles? Dark, fine, laminated, with pyrite stringers. Below here, coarse, greenish banded tuff with a probable sedimentary component. Distinctly soft and carbonised in places; silicified in others. Isolated pyrite string 178.2m.	J234529	172.6	173.1	0.5				10%	0.674	3790
			J234530	173.1	174.6	1.5					0.247	988
			J234531	174.6	176.1	1.5					0.818	1210
180.00	187.30	HEAVY CARBONIZED INTERMEDIATE TUFF Original material likely tubaceous. Beds of fine hammer's shards occasionally visible. Unit heavily veined and brecciated by quartz and carbonate veining. Core appears to shed water, difficult to wet. Foliation (or bedding) is isobaric, no rolling. Veining less prominent - 164-168m. No significant mineralisation. Major white quartz-carbonate vein 186.8-187.0m. Calc and graphite present on contacts. Lower contact area shows schistose foliation.										
187.30	190.20	PELITE/GREYSHALE Primarily sedimentary. Grades from very fine and dark to grey, coarse, massive, poorly sorted entry 60-100cm. Frequent pyrite stringers in pebblic sections. Patchy chlorite, biotite alteration from 193.2m, plus quartz veining. Arsenic blades, traceable present? Silicified from 198.7m.	J234532	186.7	187	0.3					0.026	160
			J234533	187	188.5	1.5			~3% throughout these ss		0.02	177
			J234534	188.5	190	1.5					0.025	246
			J234535	190	191.5	1.5					0.02	142
			J234536	191.5	193	1.5					0.025	104
			J234537	193	194.5	1.5					1.1	1070
			J234538	194.5	196	1.5					0.228	1700
196.20	222.00	TALC-CHLORITE SCHIST Greenish. Frequent veins and porphyroblasts of quartz and chlorite up to 5cm thick. Talc present. Original material occasionally visible where alteration and foliation is weak, may be similar to intermediate tuff units. Scattered ~5mm euhedral pyrite porphyroblasts. EOH	J234539	213	214.5	1.5			<1%		0.017	11

Billiken Management		ANALYTICAL RESULTS									
FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	LENGTH	Mag %	Py %	Arseno %	Au ppm	As ppm
8.00	12.00	OVERBURDEN: Granitic cobbles									
12.00	111.00	MAFIC TUFF Dark green-grey-brown. Bedded and poorly sorted. Subrounded clasts up to 1cm diameter, mainly redispersed but some lithic fragments. Clasts typically elongated/flattened. 2-3cm veins of blue quartz every few metres; roughly concordant with lamination. Carbonates typically present. Very coarse angular clasts 21.5-32.8m. 37.5-: Sporadic interbedding with layers of medium, angular (but not crystalline) dark material - volcanic glass? Fine disseminated arsenopyrite throughout this region (~1%) 45.5-46.0m: Fine arsenopyrite with thin-thick stringers of pyrite. ~7% combined. 46.4-48.5m: Strongly brecciated and silicified in patches. Occasional cm-scale arseno agglomerates. Core heavily broken 46.9-47.3m and 54.0-54.5m, some likely missing 62.7-66.5m: Medium. Clasts rare and layered less prominent. Probable influx of greywacke sediment, cemented with calcite. Scattered fine pyrite <1% 69.2-70.5m: Dark outcrops fused to core. 68.7-78.0m: Occasional thin veins of white silica+carbonate+calc. typically concordant but some irregular 73.2-73.5: 2-5cm lenses of intermedial material. 2-3mm hematite bands supported by light brown groundmass (possibly clasts of pre-existing amorphous or felt). ~3cm bed of same material. 76.4m -83-86m: 2-10mm polyhedral clasts; some black and angular/crystalline; aligned with bedding. 100.3-101.1m - occasional 2-3cm lenses and veins of translucent massive quartz. Surrounding material is banded and carries fine arseno and some pyrite ~1-2% 107.1m: 108.4m: dashes of unaligned 2-3mm euhedral pyrite/clase									
111.00	114.70	ALTERED AND MINERALIZED MAFIC TUFF As previously but with carries and more bromine hue. Occasional thin beds of very fine light brown material carrying somewhat stacked silica clasts - shear? Brecciated and permeated with irregular 5-10mm quartz veins in places. 113.7-113.9m: rounded 5-10mm silica clasts constitute ~40% rock volume (pre-alteration)	J234250	37.00	38.00	1.0		~1%	1-5% through	-0.006	1.54
			J234251	38.00	39.00	1.0				-0.006	1.49
			J234252	39.00	40.00	1.0				0.017	1.15
			J234253	40.00	41.00	1.0				-0.005	1.18
			J234254	41.00	42.00	1.0				-0.005	1.45
			J234255	42.00	43.00	1.0				-0.005	4.7
			J234256	43.00	44.00	1.0				-0.006	3.9
			J234257	44.00	45.00	1.0				0.039	1.33
			J234258	46.00	46.00	1.0				4.98	>10000
			J234259	46.00	47.00	1.0				0.534	>10000
			J234260	47.00	48.00	1.0				0.023	7560
			J234261	48.00	49.00	1.0				0.012	908
			J234262	49.00	50.00	1.0				-0.005	4.78
			J234263	68.00	69.00	1.0				0.007	1.1
			J234264	100.00	101.00	1.0				1.298	2310
			J234265	101.00	102.00	1.0				1.015	2160

Billiken Management		DESCRIPTION	ANALYTICAL RESULTS								
FROM	TO		SAMPLE	FROM	TO	LENGTH	Mag %	Py %	Arseno %	Au ppm	As ppm
		114.0m: 20cm massive quartz vein with some chlorite. This and smaller veins/lenses carry prominent pyrite flakes. Fine pyrite and arsenopyrite throughout, ~5%									
114.70	155.50	ALTERED AND MINERALIZED INTERMEDIATE TUFF Intersolites; clasts predominantly silica. Up to 1cm, subrounded, aligned, continuously present. -120-132m - extensive interbedding with very fine, light brown material exhibiting signs of shear (sigmoidal alignments etc.). Carbonate consistently present but in low levels. Fine arsenopyrite visible on broken surfaces 121.1m - 15cm body of massive quartz, carries minimal visible subhides probably an aggregation of pre-existing siliceous clasts 130.2m-130.4m: fine brown material content is significant, core is soft and broken down. ~5% fine arseno host 137.5m Two ~3cm bluish quartz lenses carry blades of hematite. 141.4-146.3. Medium-coarse and angular, no large clasts. arseno around boundaries ~5% -149-155.5m: Barroed, 2-5mm subrounded quartz and submedial plagioclase, weakly aligned, cm-scale bands and aggregations of massive pyrite and/or pyrrhotite. Clasts grade out and disappear 155-158m, adopts a more sedimentary character.									
			L234276	114.00	115.00	1.0				0.011	2080
			L234277	115.00	116.00	1.0				0.044	38
			L234278	116.00	117.00	1.0				0.017	78
			L234279	117.00	118.00	1.0				0.008	185
			L234280	118.00	119.00	1.0				0.025	312
			L234281	119.00	120.00	1.0				-0.005	213
			L234282	120.00	121.00	1.0				0.112	627
			L234283	121.00	122.00	1.0				0.889	2530
			L234284	122.00	123.00	1.0				0.997	1935
			L234285	123.00	124.00	1.0				0.875	3700
			L234286	124.00	125.00	1.0				0.886	2280
			L234287	125.00	126.00	1.0				0.148	1315
			L234288	126.00	127.00	1.0				0.303	843
			L234289	127.00	128.00	1.0				0.182	1055
			L234290	128.00	129.00	1.0				0.132	524
			L234291	129.00	130.00	1.0				0.563	789
			L234292	130.00	131.00	1.0				0.129	518
			L234293	131.00	132.00	1.0				1.09	4180
			L234294	132.00	133.00	1.0				0.015	77
			L234295	133.00	134.00	1.0				0.027	216
			L234296	134.00	135.00	1.0				0.017	1140
			L234297	135.00	136.00	1.0				0.146	994
			L234298	136.00	137.00	1.0				0.302	3970
			L234299	137.00	138.00	1.0				0.368	5270
			L234300	138.00	139.00	1.0				0.465	4420
			L234301	139.00	140.00	1.0				0.922	4910
			L234302	140.00	141.00	1.0				0.472	4690
			L234303	141.00	142.00	1.0				0.956	3400
			L234304	142.00	143.00	1.0				0.91	1480
			L234305	143.00	144.00	1.0				0.026	3150
			L234306	144.00	145.00	1.0				0.085	6030
			L234307	145.00	146.00	1.0				0.234	3980
			L234308	146.00	147.00	1.0				0.01	855
			L234309	147.00	148.00	1.0				0.18	1340

Bulliken Management

FROM	TO	DESCRIPTION	ANALYTICAL RESULTS							
			SAMPLE	FROM	TO	LENGTH	Mag %	Py %	Arseno %	Au ppm
			J234303	148.00	149.00	1.0	1-5%		0.01	414
			J234304	149.00	150.00	1.0	1-5%		0.013	1350
			J234305	150.00	151.00	1.0	1-5%		-0.006	136
			J234306	151.00	152.00	1.0	1-5%		0.007	10
			J234307	152.00	153.00	1.0	1-5%		0.006	8
			J234308	153.00	154.00	1.0	1-5%		0.014	15
			J234309	154.00	155.00	1.0	1-5%		0.032	47
			J234310	155.00	156.00	1.0	1-5%		0.061	304
			J234311	156.00	157.00	1.0	1-5%		0.275	630
156.90	157.70	SILICED FAULT ZONE? Intense brecciation with 1-10cm aggregations and veins of bluish quartz. Fine disseminated arseno throughout. Remaining ore-sterile material contains pyrite stringers and is chloritised.	J234312	157.00	158.00	1.0			2.56	8340
157.70	168.70	GREYWACKE Medium and well-sorted, grey, well bedded. Clasts absent. Occasional buffaceous horizons - best example at 165.4-165.5m carries arseno. Several cm of bluish quartz and feldspic beds around 158.0m. Coarsens up towards end of unit.	J234313	158.00	159.00	1.0			0.506	949
			J234314	159.00	160.00	1.0			0.01	74
			J234315	160.00	161.00	1.0			0.035	64
			J234316	161.00	162.00	1.0			0.262	131
			J234317	162.00	163.00	1.0			0.148	83
			J234318	163.00	164.00	1.0			0.008	34
			J234318	164.00	165.00	1.0			1.495	3180
			J234320	165.00	166.00	1.0			0.01	114
			J234321	166.00	167.00	1.0			1.915	4600
166.70	169.70	MAFIC TUFF Angular -5mm siliceous and feldspathic clasts appear supporting material is dark brown and very fine. First ~20cm carry ~5% arseno. Lower grade disseminated pyrite and arseno throughout. 168.2, 169.3m veins or aggregations of bluish quartz. Supporting material is lighter grey below 168.2m and clasts are less numerous. Becomes very fine and welded towards end of unit.	J234322	167.00	168.00	1.0			1.1	5890
			J234323	168.00	169.00	1.0			6.38	>10000
			J234324	169.00	170.00	1.0			2.83	9060
169.70	179.60	GREYWACKE Sharp contact. Large broken surfaces near top contact is covered ~30% with pyrite flakes. Grey, medium-coarse, largely massive, incorporates buffaceous material in places (occasional beds containing ~1mm angular black clasts). Occasional stringers of pyrite. <1% sulphides in unit overall.	J234325	170.00	171.00	1.0			0.155	199

Billiken Management

FROM	TO	DESCRIPTION	ANALYTICAL RESULTS										
			SAMPLE	FROM	TO	LENGTH	Mag %	Py %	Arseno %	Au ppm	As ppm		
		171 B-172.7 - darker colouring. Carbonate veins become prominent below 175.1m - most are concordant with bedding. 178.2-178.4 exhibits schistose foliation.											
179.60	180.90	GABBRO? Dark green, coarse, apparently crystalline material. Heavily veined with carbonate around top contact, although no sharp contacts exist. Individual crystals are hard to locate except where veins permeate between them. Olivine and pyroxene are possible components. Difficult to identify. Carries no visible mineralisation.											
180.90	185.50	GREYWACKE As previously. Carbonate veining is prolific. Core is ribbed throughout much of this unit (drilling artefact).											
185.50	186.70	INTERMEDIATE TUFF Light brown banded tuff carrying occasional ~1 cm squashed silica clasts. 185.5-186.0m carries ~1% fine arsenic. 186.7-187.2m is heavily brecciated; massive bluish quartz present plus some pyrite stringers - 3% for ~1m	1234326	185.00	186.00	1.0						0.739	4780
			1234327	186.00	187.00	1.0						2.33	5650
186.70	204.00	PELITE Lamply sedimentary unit, similar to greywacke as previously described but with large stretches being extremely fine and very dark in colour. Bedding is intensely folded 173.3-173.5m, gets degraded into gravel just below here. Occasional horizons are dark red. Scattered beds carry pyrite flakes. 193.6-193.8m - major milky quartz vein, also carries pyrite flakes, but no major mineralisation (1-2% locally). 201.8-202.4m, strongly brecciated and veined with quartz and carbonate. Remaining sediment is baked brown.	1234328	201.00	202.00	1.0						0.415	404
			1234329	202.00	203.00	1.0						0.206	583
			1234330	203.00	204.00	1.0						0.032	81
204.00	288.00	CHLORITE SCHIST Oxidises up over ~1m. Large (up to 5cm) oval quartz and chlorite clasts appear unclear if these are derived from clasts or are entirely porphyro blastic. Schistose foliation. Tale present. Occasional veins of green lime mud, heavily eroded by acid. Supporting material is very poorly sorted and contains some euhedral psilochlora. Original material may have been	1234331	234.00	235.00	1.0						0.014	431

Billiken Management

FROM		TO		DESCRIPTION	ANALYTICAL RESULTS			
					LENGTH	Mag %	Py %	Arsenic %
				Kargely sedimentary (and argose: if so).				
				Occasional well-formed pyrite porphyroblasts up to 1cm but these are				
				isolated. Clasts absent -228-230m.				
				236.0-238.2m several beds contain ~1mm subhedral hornblende (?)				
				Past 244.5m, large clasts absent - replaced by aligned 5-10mm				
				subhedral felsic fragments. Parent material likely volcanoclastic.				
				262.0-262.2m mgite body of soft lime mud.				
				Above mentioned croci clasts return -272m.				
				EOH				

Billiken Management

Project: New Algor Gold Project

Hole Number: REN-10-07

Units of Measurement: metres

Location: NTS Sheet: 32 D/1
Township: Cadillac
Claim No: CA1340.PTA
Grid: Local
Easting: 14400E
Northing: 1+00S
Elevation:

GPS Coordinates: Zone: 17N
(if applicable) Datum: NAD83
Easting: 801240E
Northing: 536383N

Collar Dip: 55
Collar Azimuth: 300
Hole Length: 182
Core Size: HQ
Recovery:

Logged By: Mark Walshaw
Date: January 31, 2011
Finish: February 1, 2011

Drilled by: Orbil
Date: January 29, 2011
Finish: January 31, 2011

INCLINATION TESTS	
DEPTH	DIP
COLLAR	-55
45m	-54.2
90m	-53.4
147m	-53.3
182m	-54

Comments

Hole west of creek in new territory, exploring extent of mineralisation at this end of the deeded property. Collar approximately 50m north of originally planned location, which was deemed to be too close to a creek on the property. Terrain on the west side of this creek is inclined and gullied, plus heavily wooded. Final collar location was the closest suitable spot.

63 samples collected (J224600 to J234021)

Billiken Management

FROM	TO	DESCRIPTION	ANALYTICAL RESULTS						
			LENGTH	kg/kg %	Py %	Arseno %	Au ppm	As ppm	
0.00	0.00	Casey							
0.00	10.00	INTERMEDIATE AGGLOMERATE TUFT Coarse, light to mid brown-grey, carries rounded siliceous clasts up to 2mm, plus some coarse euhedral feldspars and strings of hornblende. Carbonised throughout. Thin (1mm) quartz veins sometimes carry aggregates of fine pyrite and/or chloropyrite (banded down to 10µm). 18.5-19.0 appears to be leached hydrothermal breccia, carrying also possible 1mm gold aggregations plus some chloropyrite. Surrounding tuff clasts very easily - micaceous lamination, 1% arseno with pyrite flakes here. Breccia containing 10.5-10.8m - phenocrysts grade in.	18.40	19.20	0.80			0.201	17.05
10.00	37.30	INTERMEDIATE PORPHYRY Light-grey to siliceous matrix supports 3-10mm quartz and perthite phenocrysts and/or clasts - varying in prominence, in places euhedral and unaligned but often scathed and flattened. ~1mm low-angle shear bands, carrying biotite 21.8, 23.0m. Occasional diffuse banding and patches of bluish colouration from 24m down, possibly glaucofanite. 2m low-angle shear band at 26.1m, extensive epidote and biotite plus brecciation within band. Further, similar bands every ~1m. Phenocrysts prominent, ~1cm in size 22-33m.	19.20	20.50	1.30	<1%	<1%	0.048	368
			20.50	22.00	1.50		0.010	213	
			22.00	23.50	1.50		0.009	151	
			23.50	25.00	1.50		0.008	48	
			25.00	26.50	1.50		0.028	154	
			26.50	28.00	1.50		0.022	411	
			28.00	29.50	1.50		0.008	43	
			29.50	31.00	1.50		0.008	25	
			31.00	32.50	1.50		0.005	29	
			32.50	34.00	1.50		0.008	21	
			34.00	35.50	1.00		0.006	24	
			35.50	37.30	0.80		0.010	28	
37.30	53.30	INTERMEDIATE-TO-FELSIC TUFT Sharp contrast to light brown tuff bearing varying amounts of rounded 5mm siliceous clasts/breccias. A small number have been replaced with glaucofanite. Some thin (irregular) blue quartz veins - pyrite stringers plus arseno blades in foliation close to these veins - probably constituting 1% east to the bulk until ~45m. 1-2mm arseno blades found throughout below this - up to 5%. Intense blue quartz veiling 47.8-48.8m, with coarse pyrite in stringers at 5% alluvial arseno. Arseno blades probably 10% 18.1-18.8m, not associated with veiling or any other feature. Similar bands of locally intense blue quartz veiling with high pyrite, every ~1m. Abrupt reduction in felsic components 50.5-51.0m and from 53.8m							
			37.30	38.80	1.50		4.230	8330	
			38.80	40.30	1.50		1.265	2840	
			40.30	41.80	1.50		0.655	751	
			41.80	43.30	1.20		0.831	2880	
			43.30	44.80	1.50		0.762	2900	
			44.80	46.30	1.50	up to 5% here and below	0.037	202	
			46.30	47.80	1.50	up to 5% N	0.231	749	
			47.80	49.30	0.70		0.626	3080	
			49.30	51.00	1.00		2.010	4520	

Billiken Management

FROM		TO		DESCRIPTION	ANALYTICAL RESULTS									
					SAMPLE	FROM	TO	LENGTH	Mag %	Py %	Arseno %	Au ppm	As ppm	
					J234923	49.20	50.50	1.30				2.370	4.260	
					J234924	50.50	51.00	0.50				0.429	1.325	
					J234925	51.00	52.50	1.50			up to 10%	1.835	4940	
					J234926	52.50	53.40	0.90				0.761	2520	
53.30	54.40			MINERALISED INTERMEDIATE PORPHYRITIC TUFF 54.0-54.3m is light brown, coarse pyrite up to 10% volume. Typically mid-grey, banded, carrying aligned siliceous and feldspathic clasts/interclasts. Texture is possibly mylonite (shear). ~1cm centimetric blue quartz vein 54.3m. 55.2-56.2m is strongly banded, carries siliceous coarse pyrite up to 10%. 5m blue quartz vein 55.5m. Tuff below this is hard, brownish, multiple mica phases, phacocysts are subhedral and euhedral. Coarse arseno is 10%. Intense blue quartz veining 56.0-56.1m, here to 58.2m is intensely bleached with 10% pyrite in 1-2mm aggregates, plus 5% pyrite but arseno is apparently absent.										
56.40	60.50			PELLET?	J234930	56.40	57.30	0.90			5%	0.078	228	
				Grades into waxy till, laminated material in varying shades of dark grey. Grades back into tuff 56.7-56.8m and 57.1-57.2m (the latter interval is 30% blue quartz veining). Carries pyritiferous stringers (5% bulk) plus some pyrite stringers, especially where lamination is foliated and interbedded. Sharp contact to lighter grey, coarse material 58.0m, with topography on contact - possible host structures. Extensive shearing in this unit - other sharp grain size contacts down to 90m are stressed.	J234931	57.30	58.90	1.60			5%	0.045	78	
					J234932	58.90	60.10	1.20			5%	0.018	182	
					J234933	60.10	60.50	0.40				0.040	145	
60.50	66.30			INTERMEDIATE TUFF Grades into a light green-grey siliceous unit over ~10m. Pyrite is the only visible sub-hole forming 5mm thick bands) until ~62m. Intense bluish blue quartz veins/interbeds (0.0-0.2m and 0.2-0.3m. Massive bluish quartz 0.3-0.4m - ~1mm pyrite and possibly gold filons embedded within quartz. Intact tuff in this area is greenish. 10% arseno blades (up to 5mm long). Below 64.1m tuff is brownish, heavily bleached and carbonated, no banding (cyanide?) and carries ~7% arseno plus 9% pyrite. 5mm blue quartz veins/bands every 10-20cm, all at ~80° to east angle. 66.7m the colour grades into a darker green, pyrite-dominated medium grain material.	J234934	60.50	62.00	1.50				0.064	66	
					J234935	62.00	62.50	0.50			10%	2.890	8580	
					J234936	62.50	62.90	0.40			10%	3.750	>10000	
					J234937	62.90	64.10	1.20				0.566	6230	
					J234938	64.10	65.60	1.50			10%	1.390	>10000	
					J234939	65.60	67.10	1.50			10%	0.251	>10000	
					J234940	67.10	68.60	1.50			10%	0.022	1040	

Bittiken Management

FROM	TO	DESCRIPTION	ANALYTICAL RESULTS																		
			SAMPLE	FROM	TO	LENGTH	Msq %	Pv %	Arseno %	Au ppm	As ppm										
88.30	89.10	MAFIC TUFF																			
		Interbedded save for a 10cm band around 71.2m - silicified with some blue quartz, 10% pyrite. No major features. Weak banding.	J234941	68.60	70.10	1.50					1%			0.011						76	
		Heavily quartzified and degraded around 80m.	J234942	70.10	71.80	1.50								0.011						101	
		Cystalline 81-85m, some thin siliceous quartz veining 84.0-85.2m, no visible associated mineralization.	J234943	83.40	84.90	1.50								0.006						24	
			J234944	84.90	85.30	0.40								<0.005						12	
89.10	94.00	INTERMEDIATE TUFF																			
		Grades into a mid-grey tuff with a possible secondary component. (first ~1.2m looks like a tuff - light grey speckling from coarse crystalline feldspars).	J234945	89.30	90.80	1.50								0.026						201	
		81.7-82.5 hosts several blue quartz veins up to 5cm thick, interveining tuff is quartzified and carries arsenic blebs and thin pyrite strings. Up to 5% each. Brownish, quartzified with some veining to 93.0m.	J234946	90.80	91.80	1.00								0.062						461	
			J234947	91.80	92.60	0.80					5%			4.610						6200	
			J234948	92.60	94.70	1.50					5%			0.487						2830	
			J234949	94.10	95.20	1.10					5%			0.327						4660	
			J234950	95.20	96.70	1.50								0.062						141	
96.00	131.00	SRENYWACKE																			
		Recessed veining, alteration and mineralization below 96m. Appears primarily sedimentary from here down. Grey, coarse, weak bedding. 10cm of pebbles at 100.6m.	J234951	96.70	98.20	1.50								0.225						115	
		101-102m is weakly bedded, with occasional minor blue quartz veining. Stronger bedding below 102m, core commonly fractured here.	J234952	108.00	109.50	1.50								0.032						137	
		Group of thin sigmoidal quartz-carbonate veins 103.6-103.8m. Blueish quartz vein 100.7-100.8m, surrounding beds chloritized and silicified. 5% pyrite within vein, plus 5% chalcopyrite in surrounding bedding. Core heavily fractured 112-114m. Scattered thin quartz veins sometimes carry coarse arsenic, stibio.	J234953	109.50	110.00	0.50					5%			0.755						1180	
		~122-126.1m partly silicified, some micaceous banding, localized pyrite, chlorite alteration 120.7-120.8m. Truncated and displaced by a 1cm quartz vein. 5% pyrite flakes locally. Veining and general features almost totally absent below 127m, greenish sand coarse.	J234954	114.90	116.50	0.60								5% arsenic						28	
			J234955	116.50	117.00	0.50								0.047						32	
			J234956	117.00	118.50	1.50								0.006						94	
			J234957	118.50	120.00	1.50								0.013						81	
			J234958	120.00	121.50	1.50								0.025						63	
			J234959	121.50	123.00	1.50								0.009						47	
			J234960	123.00	124.50	1.50								0.026						72	
			J234961	124.50	126.00	1.50								<0.005						30	
			J234962	126.00	127.00	1.00								0.005						54	
131.00	162.00	TALC-CHLORITE SCHIST																			
		Scandal adoption of classic schistose features - strong foliation, quartz-chlorite nodules up to 5cm across. Rare euhedral pyrite porphyroblasts up to 1cm. Core often very soft.																			
		10cm sample vein of massive milky quartz with some epidote 135.6m. Scourer texture 156-158m, coarse unaligned bluish feldspars.																			
		END OF HOLE																			

Billiken Management

Project: New Abar Grid Probed
Hole Number: REN-10-08
Units of Measurement: meters
Location: NTS Sheet: CM240-PTA
 Township: Local
 Claim No: L2625E
 Grid: 148NS
 Easings:
 Markings:
 Elevations:
GPS Co-ordinates (if applicable): Zone: 17N
 Datum: NAD 83
 Easting: 861544.3
 Northing: 5253364
Collar Dip: 45
Collar Azimuth: 347.1
Hole Length: 240
Core Size: N/A
Recovery:
Logged By: Mark Webber
Date: January 7, 2011
Drilled by:
Date: December 20, 2010
 January 7, 2011

DEPTH	DIP	AZIMUTH	COMMENTS
COLLAR	45	347.1	
30	-40.2	353.2	
81	-36.6	353.0	
129	-33.1	353.3	
185	-30.4	354.5	
189	-29.8	358.2	130 samples collected
240	-27	358.6	With Au and As results

Biliken Management

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	LENGTH	Mag %	Py %	Arseno %	Au ppm	As ppm
6.60	6.60	OVERBURDEN: granitic cobbles									
6.60	71.80	GREYWACKE									
		Fine-medium, grey, well bedded. Occasional veins of quartz with associated chlorite, plus some carbonaceous beds. All are concordant and 1-2cm thick. Occasional sigmoidal laths in bedding indicate some shear.	J234332	23.00	24.00	1.0				0.006	18
		13.9-14.3m: core heavily fractured. Scattered horizons carry coarse, unaligned, angular black mafic fragments (cystalline? hornblende?) and are presumably ash layers. Disseminated pyrite plus flakes associated with one of these	J234333	24.00	25.00	1.0				0.005	21
		at 24.0-24.3m. Becomes generally darker and finer below ~35m.	J234334	25.00	26.00	1.0				0.006	47
		Subsides localised pyrite flakes on broken surfaces around ~36m (~7%)	J234335	26.00	27.00	1.0		1-2% throughout these s		0.006	28
		42.5-43.0m core is heavily broken.	J234336	27.00	28.00	1.0		up to 5% for 5-10cm str		0.006	20
		Isolated ~2cm discordant vein of massive milky quartz at 51.3 is associated with 8-1cm band of massive sulphide mineralisation including multiple fine masses (probably discoloured arseno). Surrounding beds contain similar aggregations.	J234337	28.00	29.00	1.0				0.005	29
		~57-58m: beds of angular volcanic fragments more common. Silified in places. ~1mm pyrite flakes common on broken surfaces in this region and down to ~65m. Core heavily broken 64.5-66.0m.	J234338	29.00	30.00	1.0				0.006	38
			J234339	30.00	31.00	1.0				0.009	52
			J234340	31.00	32.00	1.0				0.008	52
			J234341	32.00	33.00	1.0				0.007	66
			J234342	33.00	34.00	1.0				0.007	78
			J234343	34.00	35.00	1.0				0.005	93
			J234344	35.00	36.00	1.0				0.005	30
			J234345	36.00	37.00	1.0				0.005	10
			J234346	37.00	38.00	1.0				0.005	15
			J234347	38.00	39.00	1.0				0.005	18
			J234348	39.00	40.00	1.0				0.005	28
			J234349	40.00	41.00	1.0				0.005	35
			J234350	41.00	42.00	1.0				0.005	21
			J234351	42.00	43.00	1.0				0.005	19
			J234352	43.00	44.00	1.0				0.005	20
71.80	98.00	GREYWACKE, BEARING MAFIC TUFF									
		Bank of trachytic tuffaceous sedimentary, although mafic tuffaceous bands are frequent and prominent (~20%). Becomes coarser, angular around 71.8m. Very gradually becomes finer from here to ~75m. Very dark, fine and dense in places from here down. Pyrite flakes and/or fine pyrite + arseno are associated with thin, discordant silica veins. Carbonate is nonexistent in cement and rare in veins. Veining is generally unconfined, veins never > 1cm thickness	J234353	79.00	80.00	1.0		1-2% throughout these s		0.005	21
		84.8m down: frequent lacunae carry medium grain, angular mafic material (feldspars and hornblende?)	J234354	80.00	81.00	1.0				0.005	52
			J234355	81.00	82.00	1.0				0.005	22
			J234356	82.00	83.00	1.0				0.005	10
			J234357	83.00	84.00	1.0				0.005	78
			J234358	84.00	85.00	1.0				0.005	22
			J234359	85.00	86.00	1.0				0.005	21
			J234360	86.00	87.00	1.0				0.005	30
			J234361	87.00	88.00	1.0				0.005	30
			J234362	88.00	89.00	1.0				0.005	25
			J234363	89.00	90.00	1.0				0.005	29

Billiken Management

		ANALYTICAL RESULTS									
FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	LENGTH	Mag %	Py %	Arseno %	Au ppm	As ppm
96.00	114.00	INTERMEDIATE VOLCANICS Gravel onset from ~96m to ~98m of bands and lenses carrying rounded siliceous clasts, both rounded and angular. ~5mm. Bulk material is a welded, poorly sorted tuff, predominantly feldspathic with biotite. 3-1.05.6m core is heavily broken. Occasional ~1cm veins of massive white quartz, discordant with bedding. Adjacent bedding is often drop-bedded, suggesting shear. 105.9-108.9m are well-sorted, fine-medium. Generally darker in colour. Some scattered pyrite flakes in this subunit. 109.4-110.5m several 5-15cm units comprising subtidal ~5mm quartz and plagioclase, weakly aligned.	J234364	105.00	105.00	1.0				-0.005	87
			J234365	105.00	107.00	1.0	locally 5%			-0.005	-2
			J234366	107.00	108.00	1.0	locally 5%			-0.005	7
			J234367	108.00	109.00	1.0				-0.005	20
			J234368	109.00	110.00	1.0				-0.005	23
			J234369	110.00	111.00	1.0				0.012	20
			J234370	111.00	112.00	1.0				-0.005	134
			J234371	112.00	113.00	1.0				0.007	160
			J234372	113.00	114.00	1.0				0.015	179
114.00	152.00	MAFIC TUFF 113.3-113.6m: significant lenses and veins of massive, white quartz. Remaining volcanic material is schistose, chloritised. Finer, better sorted below ~114m. Frequent thin bands of medium, angular, irregular black fragments (metal or glass?). Carbonate present throughout. Core ribbed in this area (drilling artefact). Possible very fine, disseminated (<1%) arsenopyrite in this area, specifically 120.4-121.0m. 121.6-121.9m: major quartz veining and silicification; several generations. 2-3mm chalcopyrite occurs in adjacent beds. Similar quartz lens at 122.7-122.6m carries approximations of massive pyrrhotite, ~1cm. General greenish hue. Occasional thin quartz-carbonate veins at 90° to bedding, often some displacement. Coarser below 138.5m. Sharp transition to finer, brownish material at 146.4m.	J234373	114.00	115.00	1.0				-0.005	155
			J234374	115.00	116.00	1.0				-0.005	118
			J234375	116.00	117.00	1.0				-0.005	58
			J234376	117.00	118.00	1.0				-0.005	13
			J234377	118.00	119.00	1.0				-0.005	10
			J234378	119.00	120.00	1.0			locally 5%	-0.005	26
			J234379	120.00	121.00	1.0			locally 5%	0.005	322
			J234380	121.00	122.00	1.0			locally 5%	0.645	668
			J234381	122.00	123.00	1.0			locally 5%	1.525	733
			J234382	123.00	124.00	1.0				0.005	35
			J234383	124.00	125.00	1.0				0.005	31
			J234384	125.00	126.00	1.0				-0.005	25
			J234385	126.00	127.00	1.0				-0.005	25
			J234386	127.00	128.00	1.0				-0.005	251
			J234387	128.00	129.00	1.0				-0.005	7
			J234388	129.00	130.00	1.0				0.008	123
			J234389	130.00	131.00	1.0				0.013	210
			J234390	131.00	132.00	1.0				0.008	41
			J234391	132.00	133.00	1.0				0.006	121

Biliken Management

FROM	TO	DESCRIPTION	SAMPLE	FROM	TO	LENGTH	Mag %	Py %	Arseno %	Au ppm	As ppm
152.00	186.50	POPHYBITIC INTERMEDIATE VOLCANICS									
		5-10mm siliceous and feldspathic clastic/porphyries are prominent and ubiquitous. Varying from rounded to angular to euhedral. Supporting material is generally more brownish in colour. ~20cm massive white quartz around boundary. ~2mm pyrite aggregations here. Several horizons of very fine, light brown material 152-153m. Same hardness as surroundings. Spheroidal staining of clasts in these horizons.	J234392	152.00	153.00	1.0				-1.006	61
		Occasional broken surfaces covered in 1-3cm pyrite flakes throughout unit. Light brown material present again 159-162m - probably micaceous	J234393	153.00	154.00	1.0				-0.006	50
		Blue quartz veining begins at 165.0m - veins vary from 1-10cm thick and intersect at a variety of angles. Pyrite, arseno and chalcopyrite ~2% throughout this zone, up to 10% locally around some quartz veins.	J234394	154.00	155.00	1.0				0.006	72
		Often silicified especially where clastic/porphyries are present.	J234395	155.00	156.00	1.0				0.01	81
		Frontal 1-2mm arseno blades around 174.6 and 180.1m.	J234396	156.00	157.00	1.0				-1.006	31
		174.5-177m is better sorted, greenish, no veining.	J234397	157.00	158.00	1.0				-0.006	21
			J234398	158.00	159.00	1.0				0.006	38
			J234400	165.00	166.00	1.0		1-2% throughout these 2		0.68	2870
			J234401	167.00	167.00	1.0		1-2% through		0.246	1000
			J234402	168.00	168.00	1.0				1.075	4510
			J234403	168.00	170.00	1.0				0.527	7840
			J234404	170.00	171.00	1.0				1.435	5760
			J234405	171.00	172.00	1.0				0.213	849
			J234406	172.00	173.00	1.0				0.02	319
			J234407	173.00	174.00	1.0				0.282	1915
			J234408	174.00	175.00	1.0				1.51	7270
			J234409	175.00	176.00	1.0				3.18	8510
			J234410	176.00	177.00	1.0				0.77	1690
			J234411	177.00	178.00	1.0				0.03	91
			J234412	178.00	179.00	1.0				3.84	876
			J234413	179.00	180.00	1.0				0.316	452
			J234414	180.00	181.00	1.0				3.5	9690
			J234415	181.00	182.00	1.0				0.54	2010
			J234416	182.00	183.00	1.0				1.6	4640
			J234417	183.00	184.00	1.0				3.46	3620
			J234418	184.00	185.00	1.0				3.77	7770
			J234419	185.00	186.00	1.0				3.74	1695
										0.328	2870
186.50	198.00	MARIC TUFF									
		Blocky, greenish, better sorted. No blue quartz. Occasional pyrite aggregations and arseno blades visible throughout. Some chlorite present. No major features.	J234420	186.00	187.00	1.0				0.5	616
			J234421	187.00	188.00	1.0				0.159	85
			J234422	188.00	189.00	1.0				0.008	54
			J234423	189.00	190.00	1.0				0.008	64
			J234424	190.00	191.00	1.0				0.01	51
			J234425	191.00	192.00	1.0				0.196	1835
			J234426	192.00	193.00	1.0				0.418	715
			J234427	193.00	194.00	1.0				0.01	45

FROM		TO		DESCRIPTION	ANALYTICAL RESULTS					
SAMPLE	FROM	TO	LENGTH		Mag %	Py %	Arseno %	Au ppm	As ppm	
	194.00	195.00	1.00					0.068	157	
	195.00	196.00	1.00					0.057	47	
	196.00	197.00	1.00					0.006	164	
	197.00	198.00	1.00					0.807	592	
	198.00	199.00	1.00							
	199.00	200.00	1.00					2.69	6440	
	200.00	201.00	1.00					1.1	2803	
	201.00	202.00	1.00					0.685	1415	
	202.00	203.00	1.00					0.031	115	
	203.00	204.00	1.00					1.145	3182	
	204.00	205.00	1.00					0.722	1478	
	205.00	206.00	1.00					1.125	822	
	206.00	207.00	1.00					0.267	321	
	207.00	208.00	1.00					0.152	583	
	208.00	209.00	1.00					0.042	88	
	209.00	210.00	1.00					0.013	49	
	210.00	211.00	1.00					0.104	286	
	211.00	212.00	1.00					0.105	292	
	212.00	213.00	1.00					0.012	53	
	213.00	214.00	1.00					0.497	1330	
	214.00	215.00	1.00					0.084	535	
	215.00	216.00	1.00					0.188	804	
	216.00	217.00	1.00					0.017	202	
	217.00	218.00	1.00					0.031	388	
	218.00	219.00	1.00					0.036	205	
	219.00	220.00	1.00					0.185	13	
	220.00	221.00	1.00					0.028	15	
	221.00	222.00	1.00					0.009	44	
	222.00	223.00	1.00					0.123	334	
	223.00	224.00	1.00					1.805	3030	
	224.00	225.00	1.00					0.093	198	
	225.00	226.00	1.00					0.061	588	
	226.00	227.00	1.00					0.047	220	

Billiken Management

Project: Iron Above Gold Project

Hole Number: REN-10-09

Units of Measurement: meters

Location: SE 041
Capitola
C04040-PTA
Local

GPS Co-ordinates (if applicable):
Zone: 17N
Datum: NAD83
Easting: 694,945.8
Northing: 9,319,304.2

Color Dip: 05.00
Color Azimuth: 380.00
Hole Length: 300.00
Core Size: NO

Logged By: Mark Westhead
Dates: January 18, 2011
January 22, 2011

Drilled by: Chris
Dates: January 18, 2011
January 21, 2011

DEPTH	COLLAR	DIP	AZIMUTH	TESTS
				380
		-04.3	37	
0m		-03.4	3.7	
11m		53.4	7.2	
182m		-61.2	10.6	
213m		-50.3	14.3	
294m		-46.3	18.8	
51 samples collected (034716-1244766)				
Muscovite is located by intermediate porphyry, particularly from 210.0-24.0m				
Cemented				

DEPTH	COLLAR	DIP	AZIMUTH	TESTS
				380
		-04.3	37	
0m		-03.4	3.7	
11m		53.4	7.2	
182m		-61.2	10.6	
213m		-50.3	14.3	
294m		-46.3	18.8	

PROJECT: New Ajax Gold Project		HOLE NO: REN-1003		PAGE: 2 of 5							
Bilikken Management											
FROM	TO	DESCRIPTION	SAMPLE FROM	TO	ANALYTICAL RESULTS						
					Py %	As ppm	As ppm				
					Mag %						
0.00	3.00	Casing									
3.00	46.00	GREYWACKE BEARING TUFFACEOUS HORIZONS Primary sediment - medium-coarse, grey, bedding strength variable. Probably ~30% of lithology is lithaceous in origin, extensively interbedded - medium-coarse black angular fragments present, plus individual brownish hexagons possibly carrying biotite. Tuff typically shales same colour with greywacke. Veinng rare. Occasional quartz-carbonate veins are waxy and often not prominently distinguished in terms of colour. Some carry pyrite flakes and stringers. Muscovite in vein at 15.8m? Thin vein at 22.5m possibly carries single ~1mm gold flake, alongside pyrite and chalcopyrite. Mineralisation entirely limited to ~1mm thick quartz-carbonate veins. Core around 20m contains coarsened minerals and appears to have been heavily fractured prior to drilling. Broken surfaces within tuff beds sometimes very fine and vitreous. Occasional minor microfolding, link bands.	J234715 J234716 J234717 J234718	20.50 22 23.5 25	22.00 23.5 25 26.5	1.5 1.5 1.5 1.5	3% 3% 1% 1%	0.010 0.008 0.006 0.007	27 17 19 23		
46.00	94.30	MAFIC TO INTERMEDIATE TUFF Gradually becomes primarily a volcanic unit. Becomes brownish. Banded. Extensive thin carbonate veining, mainly along bedding. Thin subvertical carbonate veining plus marfingling 50-53m. 10cm thick quartz-carbonate-chalcopyrite veins at 47.8, 51.1m. ~1cm soft pyritic aggregations in both, plus some pyrite. Lighter brown below 51m, with frequent coarse subvertical felsic veins. Slightly darker below, finer below 67m. Quartz-carbonate veins are boudinaged and lens-shaped. Microfolded around two ~5cm nodules at 57.5m. Prevalence of banding veines below ~75m. Occasional link bands. No notable veins or major features until 90m. ~10cm quartz-carbonate veins with locally intense chloritisation 90.3, 91.7, 92.0m.	J234719 J234720 J234721 J234722 J234723 J234724 J234725 J234726	47.7 48 49.5 67.2 67.5 69 81	48 49.5 67.5 68 70.5 82.5	0.3 1.5 0.3 1.5 1.5 1.5	-0.005 0.006 0.007 0.006 0.007 0.006	182 152 23 40 38			
94.30	98.00	INTERMEDIATE TUFF As previous although medium hornblende and distinctly lighter colour suggest fewer mafic components.									

PROJECT: New Age Gold Project		HOLE NO: REN1009		PAGE: 3 of 5							
Billiken Management											
FROM	TO	DESCRIPTION	ANALYTICAL RESULTS								
			SAMPLE	FROM	TO	LENGTH	Mg %	Py %	Arseno %	Au ppm	As ppm
98.00	144.00	GREYWACKE	J234727	106.7	109	0.3		1%		0.007	31
		Slightly silty sandy character - appears identical to greywacke save for occasional horizons containing angular black shales, probably hornblende. Core is often vitreous within these localities. Varying fine -5mm lenses of quartz and calcite at 108.8, 108.9, 113.2m, associated with chlorite and some 1-2mm pyrite flakes. ~3cm quartz and chlorite vein at 136.3m. 128.8-131.0 is finer, drier, laminated - approaching argillaceous. Weak bedding and generally devoid of major features around here. 137.0-137.4m is massive melky quartz. ~3% fine arseno, gives quartz a cloudy appearance in places. No alteration of greywacke around contacts. ~10cm mafic tuff around 137.6m. 143.2-143.4m: prominent subunit of banded mafic tuff - supports 1-2mm euhedral pyroxenes. Flame/rod structures -140-141m.	J234728	109	110.5	1.5				0.006	23
144.00	153.00	MAFIC TUFF	J234729	137	137.4	0.4			3%	<0.005	57
		Banded, shares same colour and general pattern of sorting with greywacke - probably incorporates a significant sedimentary component. Broken surface around 1.49m shows some pyrite masses plus very fine greenish chalcocyanite, broody associated with an isolated ~5cm band of felsic porphyry. Mineralisation otherwise negligible in this unit.	J234730	143.5	150	1.5		2%		0.028	4
153.00	155.00	GREYWACKE									
		Onset of coarse, arkosic sediment, lasting to 154.2m.									
155.00	167.00	MAFIC VOLCANICS	J234731	165	166.5	1.5				<0.005	13
		Gradually reddish & mafic and volcanic character. Dark green colouring, begins fine with strong banding indicated by frequent white carbonised bands. 161.3-165.2 is a dark green, medium grain, massive. Dolerite flow? Scattered -1mm pyrite flakes throughout unit. <1%. 167.6-167.9m is structurally foliated, siltstone present. Individual ~1cm blue quartz vein at 171.7m, surrounding ~20cm is brownish. Lighter green colour, squashed 1-3cm clasts below 172m. Light green (fine chlorite) veins in intensity to 177.5m. Sharp transition here to coarse, crystalline gabbro. Uppermost ~30cm is sheared, 1-2mm pyroxenes aligned in places; banded (plagioclase tuff?). No finer crystalline by 179m. Patchy quartz and chlorite veining and foliation 182.0-182.4m. 1-2mm rounded feldspathic clasts around 187.4-187.9m.									

Biliten Management		DESCRIPTION	ANALYTICAL RESULTS								
FROM	TO		SAMPLE	FROM	TO	LENGTH	Msg %	Py %	Arsenic %	Au ppm	AS ppm
		188.4-188.8m: quartz and carbonate vein with foliated biotite within; surrounding volcanics are brownish, some sericitic, locally 5% disc arsenic.	0234732	188.8	188.3	1.5				0.009	77
		Carbonate veining, and general presence of carbonate, gradually increases to ~1.96m. 10cm patch of locally intense alteration - ~8cm module of massive quartz, plagioclase and epidote, with sericitised surroundings. This obscures contact with coarse, crystalline gabbro.	0234733	188.3	189	0.7			5%	0.533	2190
195.10	208.10	GABBRO Coarse, dark green crystalline body. Core heavily broken around 198.2m - pedregos around a shear plane. 199.9-200.5 foliated to suggest shear. Very scattered pyrites along occasional thin shear planes. Lower contact is a -50cm gradational transition - becomes finer, banded mafic tuff. ~50cm unaligned quartz and felsic phenocrysts appear around 208.1m - general colour lightens.	0234734	195.7	196.2	0.5				0.009	48
			0234735	186.2	187.7	1.5				0.006	40
208.10	245.00	INTERMEDIATE PORPHYRY Epidoclase and quartz phenocrysts, varying from rounded to euhedral, 5-20mm, degree of alignment varying. Supporting material typically mid-grey, banded. Silicified and light grey-brown. 212.8-214.0m, euhedral plagioclases show zonal replacement by a bluish mineral. Extremely fine grained arsenic, actual amount unclear. 213.0-213.2m to bluish quartz vein. ~10cm around 215.3 has foliated yellowish quartz and carbonate, plus massive pink orthoclase and 1-2mm spinifex pyroxene (not a vein). 217.0-217.3m has blue and green hues to groundmass - replacement with epidote and other minerals. 217.4-218.5m phenocrysts are prominent, euhedral, randomly oriented. Occasional ~10cm bands of fine banded tuff in this area. 221.0-223.4m is light grey-brown, silicified. ~10cm massive bluish quartz around 221.9m. Fine disc arsenic ~5% here and ~10% around vein. 225.3-225.8m is secondary altered and carries one 1cm string of massive pyrite. 226.5-228.0 strongly banded, phenocrysts are flattened. Sheared? 228.0-229.1 has dark green groundmass, frequent thin quartz-carbonate bands. Patchy sericitic mus alteration below 256m. Series of 1-2cm blue quartz veins 238.8-238.1m. 238.6-239.8m is massive blue-grey quartz (?). 5% disc arsenic here. ~1cm string of fine aggregates of both pyrite and pyrrhotite every ~20cm. 30cm base quartz 241.7-242.0m. 242.3-242.8m is 15% massive pyrite.	0234736	211.5	213	1.5				0.072	84
			0234737	213	213.3	0.3				0.307	227
			0234738	213.3	214	0.7				0.538	298
			0234739	214	215.5	1.5				0.014	33
			0234740	215.5	217	1.5				0.007	25
			0234741	217	218.5	1.5				0.013	34
			0234742	218.5	220	1.5				0.006	16
			0234743	220	221.5	1.5			5%	0.069	603
			0234744	221.5	223	1.5				0.237	650
			0234745	223	224.5	1.5				0.034	175
			0234746	224.5	226	1.5				0.174	58
			0234747	226	227.5	1.5				0.216	51
			0234748	227.5	229	1.5				0.036	32
			0234749	229	230.5	1.5				<0.006	15
			0234750	230.5	232	1.5				3.020	277
			0234751	232	233.5	1.5				0.317	96
			0234752	233.5	235	1.5				0.173	490
			0234753	235	236.5	1.5				0.126	434
			0234754	236.5	238	1.5				0.323	801
			0234755	238	238.8	0.8				0.873	772
			0234756	238.8	240	1.2			5%	1.979	5280
			0234757	240	241.5	1.5			5%	3.380	4070
			0234758	241.5	243	1.5			5%	2.480	6220

FROM		TO		DESCRIPTION	SAMPLE	FROM	TO	LENGTH	ANALYTICAL RESULTS				
									Mag %	Py %	Arseno %	Au ppm	As ppm
				Patchy blue quartz veining, mainly brownish and sulfurous for last few metres.	J234759	243	244.5	1.5		5%	1.025	2110	
					J234760	244.5	245.6	1.1		5%	3.000	>10000	
	245.80		254.00	MAFIC TUFF									
				Dark green with extensive carbonate breccia. Appears massive although mineral masses are difficult to identify. Probable frequent interbedding with arkose sediment - coarse, dark grey (especially 253.0-251.5m) - mostly massive, veining (rare). Occasional broken sandstones carry siliceous chalcopyrite aggregations. Some scattered bands of pyrite, up to 1cm thickness.	J234761	245.6	247.1	1.5			0.016	298	
				250.3-252.4m massive quartz with associated chlorite and pyrite.	J234762	247.1	248.8	1.7			0.011	80	
				252.4-252.6m is elastic (clay-sized, fibrous), shaly.	J234763	247.1	258.1	1.1			0.185	108	
				from - 257m to end of unit - occasional bands carrying coarse black pyroxenes.	J234764	258.1	258.7	0.6			0.677	7350	
				258.2-258.8m massive blue quartz vein, embedded patches of chlorite plus contact areas carry fine arseno - 5% locally. Frequent irregular thin carbonate veining in last few metres.									
	259.00		270.00	ALTERED GREYWACK AND PELITE									
				Shaly sandstone to fine, black, laminated sediment, containing frequent stringers of fine pyrite and occasional flakes of broken sulfides. Comments up 255.5-266.0m. Coarse, mid-grey/ below here. Intense irregular thin quartz-carbonate veining.									
	270.00		309.00	CHLORITISED MAFIC-TO-INTERMEDIATE VOLCANICS									
				Greenish volcanic unit. Appears crystalline in places. Intense carbonate veining. 270-273m, signs of shear, epidote replacement visible below veining (which does not seem to be affected much by shear tension).	J234765	271.5	273	1.5			0.010	37	
				Quartz - 3mm rounded white clasts 272-280m - volcanoclastic. Clasts are quartz-carbonate - possibly a replacement material. General greenish hue, and veining gives rise to brecciation - 276-278m.									
				283.2-288.5 is a lighter green - oxidized? Occasional microfoling and bank bands. Darker, finer below 300m. Coarse black angular pyroxenes form thin bands.									
				END OF HOLE									

APPENDIX 2
CERTIFICATES OF ASSAYS



ALS Canada Ltd.
 2100 DeLoraine Hwy
 North Vancouver BC V7H 0A7
 Phone: 604 264 0222 Fax: 604 984 0316 www.alsglobal.com

To: MINROC MANAGEMENT
 65, FRONT ST. EAST, SUITE 304
 TORONTO ON M5E 1B5

Page: 1
 Finalized Date: 17-JAN-2011
 Account: MINROA

CERTIFICATE VO11004121

Project: NEW ALGER

P.O. No.:

This report is for 99 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 5-JAN-2011.

The following have access to data associated with this certificate:

BRIAN NEWTON

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample Log in - Rod w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SP-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
WE-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
AU-AA23	AU 30g FA-AA Finish	AAS

To: MINROC MANAGEMENT
 ATTN: BRIAN NEWTON
 65, FRONT ST. EAST, SUITE 304
 TORONTO ON M5E 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

ALS Canada Inc.
2108 Dillingham Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0213

www.alsglobal.com

To: MINIROC MANAGEMENT
65, FRONT ST. EAST, SUITE 304
TORONTO ON M5E 1B5

Page: 2 - A
Total # Pages: 4 (A - C)
Finalized Date: 17-JAN-2013
Account: MINIMAR



Project: NEW ALGER

Sample Description	Method Analyte Units LOR	CERTIFICATE OF ANALYSIS VO11004121																			
		REPT No.	ANALYT No.	AL-ANALYT	SEC-IDENT	MEAS-IDENT	MEAS-UNIT	MEAS-RPT	MEAS-UNIT	MEAS-UNIT	MEAS-UNIT	MEAS-UNIT	MEAS-UNIT	MEAS-UNIT	MEAS-UNIT	MEAS-UNIT	MEAS-UNIT	MEAS-UNIT	MEAS-UNIT	MEAS-UNIT	
Z23-4000		2.22	0.002	Al	ppm	0.2	4.33	0.15	35	<2	5.68	0.01	0.5	30	<2	3.54	0.15	30	522	63	4.97
Z23-4001		1.20	0.005	Ag	ppm	0.2	3.80	0.15	75	<2	3.28	0.01	0.5	250	<2	3.28	0.01	28	626	60	4.90
Z23-4002		2.48	0.005	As	ppm	0.2	4.03	0.15	84	<2	2.80	0.01	0.5	260	<2	2.80	0.01	28	528	60	4.80
Z23-4003		2.29	0.012	Bi	ppm	0.2	2.91	0.15	8	<2	0.80	0.01	0.5	260	<2	0.80	0.01	28	152	43	3.87
Z23-4004		1.16	0.005	Bk	ppm	0.2	6.15	0.15	7	<2	1.84	0.01	0.5	180	<2	1.84	0.01	28	234	43	4.80
Z23-4250		2.80	0.005	Br	ppm	0.2	5.38	0.15	2	<2	0.83	0.01	0.5	110	<2	0.83	0.01	28	357	63	6.78
Z23-4251		2.48	0.005	Ca	ppm	0.2	6.01	0.15	154	<2	4.12	0.01	0.5	41	<2	4.12	0.01	41	509	60	6.12
Z23-4252		2.58	0.017	Co	ppm	0.2	4.63	0.15	144	<2	4.86	0.01	0.5	24	<2	4.86	0.01	24	833	43	4.98
Z23-4253		2.97	0.005	Cr	ppm	0.2	3.34	0.15	113	<2	4.32	0.01	0.5	28	<2	4.32	0.01	28	833	43	6.97
Z23-4254		2.32	0.005	Cu	ppm	0.2	4.73	0.15	118	<2	3.74	0.01	0.5	33	<2	3.74	0.01	33	623	43	6.27
Z23-4255		2.30	0.008	Fe	ppm	0.2	3.89	0.15	143	<2	3.26	0.01	0.5	30	<2	3.26	0.01	30	735	43	4.35
Z23-4256		2.30	0.005	Li	ppm	0.2	4.01	0.15	47	<2	3.88	0.01	0.5	33	<2	3.88	0.01	33	291	42	5.72
Z23-4257		2.29	0.008	Mg	ppm	0.2	3.87	0.15	90	<2	4.15	0.01	0.5	29	<2	4.15	0.01	29	343	38	8.25
Z23-4258		2.80	0.008	Mn	ppm	0.2	4.59	0.15	128	<2	4.36	0.01	0.5	31	<2	4.36	0.01	31	83	35	8.74
Z23-4259		2.38	4.58	Ni	ppm	0.2	3.05	0.15	170	<2	3.87	0.01	0.5	37	<2	3.87	0.01	37	16	145	9.85
Z23-4260		2.18	0.004	Pb	ppm	0.2	4.17	0.15	240	<2	3.24	0.01	0.5	43	<2	3.24	0.01	43	122	61	6.76
Z23-4261		2.20	0.023	Se	ppm	0.2	2.82	0.15	1866	<2	3.99	0.01	0.5	28	<2	3.99	0.01	28	140	43	4.49
Z23-4262		2.51	0.019	Sr	ppm	0.2	3.47	0.15	808	<2	2.99	0.01	0.5	33	<2	2.99	0.01	33	489	60	4.15
Z23-4263		1.79	0.005	Ta	ppm	0.2	3.83	0.15	473	<2	4.99	0.01	0.5	39	<2	4.99	0.01	39	643	14	3.71
Z23-4264		2.62	0.017	Ti	ppm	0.2	3.87	0.15	19	<2	3.22	0.01	0.5	28	<2	3.22	0.01	28	249	24	4.48
Z23-4265		2.02	1.026	U	ppm	0.2	3.35	0.15	2378	<2	4.68	0.01	0.5	23	<2	4.68	0.01	23	124	73	4.41
Z23-4266		2.57	1.042	V	ppm	0.2	3.00	0.15	2160	<2	4.05	0.01	0.5	24	<2	4.05	0.01	24	134	74	4.21
Z23-4267		2.41	0.046	Zn	ppm	0.2	1.87	0.15	391	<2	3.53	0.01	0.5	16	<2	3.53	0.01	16	45	63	3.02
Z23-4268		2.37	0.157	As	ppm	0.2	1.66	0.15	1440	<2	3.85	0.01	0.5	33	<2	3.85	0.01	33	38	60	3.03
Z23-4269		2.51	0.157	Ba	ppm	0.2	1.28	0.15	3560	<2	3.76	0.01	0.5	31	<2	3.76	0.01	31	31	69	3.24
Z23-4270		2.48	0.911	Be	ppm	0.2	1.22	0.15	2040	<2	3.88	0.01	0.5	18	<2	3.88	0.01	18	34	72	2.87
Z23-4271		2.74	0.044	Bk	ppm	0.2	2.16	0.15	28	<2	3.44	0.01	0.5	16	<2	3.44	0.01	16	26	85	3.25
Z23-4272		2.61	0.017	Ca	ppm	0.2	1.30	0.15	71	<2	3.44	0.01	0.5	14	<2	3.44	0.01	14	45	60	3.07
Z23-4273		2.55	0.008	Co	ppm	0.2	1.77	0.15	148	<2	3.23	0.01	0.5	16	<2	3.23	0.01	16	45	64	2.66
Z23-4274		2.68	0.025	Cr	ppm	0.2	1.09	0.15	312	<2	4.20	0.01	0.5	18	<2	4.20	0.01	18	60	39	2.54
Z23-4275		2.65	0.0015	Fe	ppm	0.2	3.23	0.15	213	<2	3.44	0.01	0.5	15	<2	3.44	0.01	15	31	30	3.17
Z23-4276		2.21	0.112	Mg	ppm	0.2	2.37	0.15	827	<2	3.20	0.01	0.5	17	<2	3.20	0.01	17	40	30	3.74
Z23-4277		2.51	0.829	Si	ppm	0.2	1.30	0.15	2880	<2	3.48	0.01	0.5	13	<2	3.48	0.01	13	29	71	2.69
Z23-4278		2.63	0.947	Sr	ppm	0.2	1.77	0.15	1818	<2	3.28	0.01	0.5	16	<2	3.28	0.01	16	42	60	3.45
Z23-4279		2.68	0.875	Ta	ppm	0.2	1.71	0.15	2700	<2	3.21	0.01	0.5	18	<2	3.21	0.01	18	43	33	3.28
Z23-4280		2.06	0.068	Ti	ppm	0.2	2.03	0.15	2290	<2	3.51	0.01	0.5	16	<2	3.51	0.01	16	65	30	3.82
Z23-4281		2.12	0.148	U	ppm	0.2	1.79	0.15	1314	<2	3.30	0.01	0.5	15	<2	3.30	0.01	15	44	34	3.02
Z23-4282		2.35	0.203	V	ppm	0.2	1.58	0.15	643	<2	3.49	0.01	0.5	14	<2	3.49	0.01	14	40	63	3.91
Z23-4283		2.60	0.192	Zn	ppm	0.2	1.33	0.15	1068	<2	3.77	0.01	0.5	11	<2	3.77	0.01	11	43	34	3.41
Z23-4284		2.42	0.182	As	ppm	0.2	1.09	0.15	504	<2	3.28	0.01	0.5	14	<2	3.28	0.01	14	42	68	2.83

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Method Analyte Unit	Sample Description	MS-ICP-AES Ca ppm	MS-ICP-AES Mg ppm	MS-ICP-AES Si ppm	MS-ICP-AES Al ppm	MS-ICP-AES Fe ppm	MS-ICP-AES Mn ppm	MS-ICP-AES Ni ppm	MS-ICP-AES Cu ppm	MS-ICP-AES Zn ppm	MS-ICP-AES Pb ppm	MS-ICP-AES Co ppm	MS-ICP-AES Ni ppm	MS-ICP-AES Mn ppm	MS-ICP-AES Fe ppm	MS-ICP-AES Zn ppm	MS-ICP-AES Pb ppm	MS-ICP-AES Co ppm	MS-ICP-AES Ni ppm	MS-ICP-AES Mn ppm	MS-ICP-AES Fe ppm	MS-ICP-AES Zn ppm	MS-ICP-AES Pb ppm	MS-ICP-AES Co ppm	
2234000		10	41	0.89	20	4.18	793	1200	1200	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234001		10	41	0.71	20	3.78	678	678	678	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234002		10	41	0.81	20	3.85	753	753	753	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234003		10	41	1.94	20	1.58	657	657	657	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234004		10	41	0.85	20	2.49	862	862	862	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234005		10	41	0.01	20	5.25	122K	122K	122K	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234250		10	41	0.85	10	6.47	284	284	284	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234251		10	41	0.44	10	1.18	1898	1898	1898	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234252		10	41	0.80	10	5.22	1500	1500	1500	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234253		10	41	0.54	10	4.89	1206	1206	1206	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234254		10	41	0.32	10	4.49	1481	1481	1481	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234255		10	41	0.17	10	4.09	1475	1475	1475	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234256		10	41	0.11	10	3.79	1626	1626	1626	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234257		10	41	0.07	10	3.15	1970	1970	1970	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234258		10	41	1.40	10	2.71	1160	1160	1160	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234259		10	41	0.73	10	3.52	1030	1030	1030	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234260		10	41	0.61	10	2.49	906	906	906	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234261		10	41	0.47	10	4.61	664	664	664	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234262		10	41	0.29	10	2.10	765	765	765	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234263		10	41	0.18	10	3.72	932	932	932	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234264		10	41	1.29	20	2.77	769	769	769	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234265		10	41	0.48	20	2.77	655	655	655	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234266		10	41	0.52	20	1.58	475	475	475	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234267		10	41	0.74	20	1.23	662	662	662	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234268		10	41	0.38	20	0.88	580	580	580	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234269		10	41	0.29	20	0.93	483	483	483	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234270		10	41	0.82	20	1.57	426	426	426	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234271		10	41	0.48	20	1.40	463	463	463	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234272		10	41	0.74	20	1.27	479	479	479	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234273		10	41	0.82	20	1.05	429	429	429	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234274		10	41	1.31	20	2.44	437	437	437	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234275		10	41	1.22	20	1.65	381	381	381	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234276		10	41	0.59	20	1.20	391	391	391	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234277		10	41	0.29	20	1.87	660	660	660	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234278		10	41	0.78	20	1.23	394	394	394	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234279		10	41	0.84	20	1.51	697	697	697	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234280		10	41	0.74	20	1.34	474	474	474	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234281		10	41	0.62	20	1.23	491	491	491	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234282		10	41	0.49	20	1.44	677	677	677	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2234283		10	41	0.41	20	1.25	574	574	574	10	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01



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Sample Description	Method Analyte Units LOR	MS-ICP-MS		MS-ICP-MS		MS-ICP-MS		MS-ICP-MS		MS-ICP-MS	
		Ti ppm	%	U ppm	V ppm	W ppm	X ppm	Y ppm	Zn ppm	1	2
Z2340000		<20	0.17	<10	<10	147	<10	<10	<10	73	
Z2340001		<20	0.17	<10	<10	120	<10	<10	<10	48	
Z2340002		<20	0.18	<10	<10	127	<10	<10	<10	73	
Z2340003		<20	0.18	<10	<10	67	<10	<10	<10	73	
Z2340004		<20	0.18	<10	<10	66	<10	<10	<10	98	
Z2340005		<20	0.05	<10	<10	307	<10	<10	<10	81	
Z2342800		<20	0.12	<10	<10	150	<10	<10	<10	73	
Z2342801		<20	0.06	<10	<10	99	<10	<10	<10	85	
Z2342802		<20	0.11	<10	<10	105	<10	<10	<10	68	
Z2342803		<20	0.08	<10	<10	111	<10	<10	<10	67	
Z2342804		<20	0.06	<10	<10	58	<10	<10	<10	82	
Z2342805		<20	0.04	<10	<10	108	<10	<10	<10	73	
Z2342806		<20	0.06	<10	<10	115	<10	<10	<10	76	
Z2342807		<20	0.17	<10	<10	349	<10	<10	<10	49	
Z2342808		<20	0.23	<10	<10	324	10	37	<10	37	
Z2342809		<20	0.11	<10	<10	147	206	70	<10	70	
Z2342810		<20	0.09	<10	<10	83	<10	<10	<10	51	
Z2342811		<20	0.07	<10	<10	58	<10	<10	<10	63	
Z2342812		<20	0.09	<10	<10	67	<10	<10	<10	49	
Z2342813		<20	0.26	<10	<10	115	<10	<10	<10	72	
Z2342814		<20	0.32	<10	<10	38	10	35	<10	35	
Z2342815		<20	0.16	<10	<10	67	<10	<10	<10	80	
Z2342816		<20	0.15	<10	<10	60	<10	<10	<10	82	
Z2342817		<20	0.10	<10	<10	49	<10	<10	<10	50	
Z2342818		<20	0.08	<10	<10	43	<10	<10	<10	43	
Z2342819		<20	0.07	<10	<10	44	<10	<10	<10	40	
Z2342820		<20	0.14	<10	<10	67	<10	<10	<10	64	
Z2342821		<20	0.14	<10	<10	74	<10	<10	<10	64	
Z2342822		<20	0.23	<10	<10	68	<10	<10	<10	54	
Z2342823		<20	0.11	<10	<10	65	<10	<10	<10	40	
Z2342824		<20	0.19	<10	<10	65	<10	<10	<10	60	
Z2342825		<20	0.16	<10	<10	71	<10	<10	<10	59	
Z2342826		<20	0.09	<10	<10	56	<10	<10	<10	55	
Z2342827		<20	0.12	<10	<10	59	<10	<10	<10	68	
Z2342828		<20	0.10	<10	<10	57	<10	<10	<10	59	
Z2342829		<20	0.10	<10	<10	56	<10	<10	<10	67	
Z2342830		<20	0.11	<10	<10	60	<10	<10	<10	59	
Z2342831		<20	0.07	<10	<10	56	<10	<10	<10	64	
Z2342832		<20	0.06	<10	<10	59	<10	<10	<10	63	
Z2342833		<20	0.08	<10	<10	51	<10	<10	<10	58	



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Method Analytical Unit	ME-ICPMS Au ppm	ME-ICPMS Ag ppm	ME-ICPMS As ppm	ME-ICPMS Bi ppm	ME-ICPMS Cd ppm	ME-ICPMS Co ppm	ME-ICPMS Cr ppm	ME-ICPMS Cu ppm	ME-ICPMS Fe ppm	ME-ICPMS Mn ppm	ME-ICPMS Ni ppm	ME-ICPMS Pb ppm	ME-ICPMS Se ppm	ME-ICPMS Sr ppm	ME-ICPMS Ti ppm	ME-ICPMS V ppm	ME-ICPMS Zn ppm	Mo %	W %
22342284	2.92	0.325	<0.2	1.43	789	<10	<0.5	4.70	<0.5	15	24	82	54	82	24	54	3.08		
22342285	2.11	0.129	<0.2	2.02	515	<10	<0.5	3.27	<0.5	17	60	86	60	86	60	86	3.34		
22342286	2.50	1.040	<0.2	1.28	6160	<10	<0.5	3.49	<0.5	15	38	86	38	86	38	86	3.22		
22342287	2.58	0.015	<0.2	2.26	77	<10	<0.5	2.07	<0.5	16	56	84	56	84	56	84	3.47		
22342288	2.91	0.027	<0.2	2.25	218	<10	<0.5	2.37	<0.5	16	68	85	68	85	68	85	3.28		
22342289	3.52	0.017	<0.2	2.84	1140	<10	<0.5	3.28	<0.5	16	68	85	68	85	68	85	3.27		
22342290	2.14	0.145	0.5	1.83	914	<10	<0.5	3.33	<0.5	16	47	117	47	117	47	117	2.76		
22342291	2.34	0.302	0.3	1.07	3370	<10	<0.5	3.24	<0.5	17	38	86	38	86	38	86	3.36		
22342292	2.30	0.388	0.3	1.18	3270	<10	<0.5	3.04	<0.5	19	52	86	52	86	52	86	3.22		
22342293	2.45	0.465	0.2	1.28	4420	<10	<0.5	3.78	<0.5	14	44	82	44	82	44	82	3.40		
22342294	2.16	0.222	0.6	0.88	4340	<10	<0.5	2.28	<0.5	13	57	82	57	82	57	82	3.67		
22342295	2.46	0.472	<0.2	0.78	4690	<10	<0.5	3.07	<0.5	11	23	100	23	100	23	100	4.58		
22342296	2.30	0.265	0.2	2.48	3400	<10	<0.5	4.54	<0.5	26	35	72	35	72	35	72	4.57		
22342297	2.62	0.019	<0.2	2.14	1480	<10	<0.5	3.78	<0.5	13	29	73	29	73	29	73	3.62		
22342298	2.22	0.026	0.3	3.21	2190	<10	<0.5	6.5	<0.5	33	129	84	129	84	129	84	3.62		
22342299	2.45	0.0815	0.2	3.62	8290	<10	<0.5	6.50	<0.5	38	156	86	156	86	156	86	3.65		
22342300	2.48	0.024	0.3	3.60	3880	<10	<0.5	3.43	<0.5	33	147	85	147	85	147	85	4.00		
22342301	2.89	0.010	<0.2	2.86	855	<10	<0.5	2.86	<0.5	24	48	74	48	74	48	74	4.88		
22342302	2.42	0.180	0.2	1.31	1340	<10	<0.5	4.88	<0.5	13	29	73	29	73	29	73	3.62		
22342303	2.58	0.040	<0.2	1.28	414	<10	<0.5	3.26	<0.5	18	43	81	43	81	43	81	4.73		
22342304	2.52	0.013	<0.2	1.28	1050	<10	<0.5	3.81	<0.5	17	48	81	48	81	48	81	3.31		
22342305	2.40	<0.005	<0.2	1.20	185	<10	<0.5	3.79	<0.5	18	35	82	35	82	35	82	4.00		
22342306	2.42	0.107	<0.2	1.58	10	<10	<0.5	2.12	<0.5	23	50	102	50	102	50	102	7.02		
22342307	2.87	0.005	0.3	1.86	5	<10	<0.5	2.81	<0.5	27	56	102	56	102	56	102	6.76		
22342308	2.43	0.044	0.2	2.02	18	<10	<0.5	2.81	<0.5	42	71	103	71	103	71	103	7.14		
22342309	2.68	0.002	0.4	2.44	47	<10	<0.5	3.28	<0.5	69	93	105	93	105	93	105	8.27		
22342310	2.76	0.081	0.2	3.37	204	<10	<0.5	3.80	<0.5	44	85	102	85	102	85	102	8.29		
22342311	2.59	0.075	0.2	1.82	880	<10	<0.5	5.09	<0.5	17	5	78	5	78	5	78	3.39		
22342312	2.54	0.28	0.8	0.81	8260	<10	<0.5	4.58	<0.5	29	18	76	18	76	18	76	4.31		
22342313	2.54	0.305	0.2	3.05	849	<10	<0.5	6.85	<0.5	44	86	108	86	108	86	108	6.84		
22342314	2.41	0.040	<0.2	4.38	74	<10	<0.5	4.87	<0.5	48	77	102	77	102	77	102	7.63		
22342315	2.43	0.005	<0.2	4.16	84	<10	<0.5	4.88	<0.5	45	80	107	80	107	80	107	7.41		
22342316	2.57	0.262	<0.2	4.25	137	<10	<0.5	6.71	<0.5	42	84	104	84	104	84	104	7.29		
22342317	2.82	0.148	<0.2	4.19	85	<10	<0.5	5.85	<0.5	59	78	121	78	121	78	121	6.77		
22342318	2.91	0.008	<0.2	4.28	34	<10	<0.5	5.85	<0.5	59	89	110	89	110	89	110	7.18		
22342319	2.50	1.465	<0.2	4.02	3160	<10	<0.5	5.76	<0.5	35	48	125	48	125	48	125	6.92		
22342320	2.30	0.010	<0.2	4.78	114	<10	<0.5	5.48	<0.5	41	19	111	19	111	19	111	8.07		
22342321	2.45	0.315	<0.2	4.35	4800	<10	<0.5	5.28	<0.5	40	6	94	6	94	6	94	8.72		
22342322	2.44	1.100	<0.2	3.43	5800	<10	<0.5	4.81	<0.5	38	5	96	5	96	5	96	9.10		
22342323	2.27	0.26	0.6	0.92	>10000	<10	<0.5	6.88	<0.5	37	6	108	6	108	6	108	7.88		

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Project: NEW ALGER

CERTIFICATE OF ANALYSIS VO11004121

Sample Description	Method Analyte Units LOR	MS-NDM1 Th ppm	MS-NDM1 Ti %	MS-NDM1 U ppm	MS-NDM1 V ppm	MS-NDM1 W ppm	MS-NDM1 Zn ppm
E2342284		<20	0.09	<10	46	<10	52
E2342285		<20	0.03	<10	62	<10	72
E2342286		<20	0.08	<10	44	<10	59
E2342287		<20	0.08	<10	53	<10	66
E2342288		<20	0.14	<10	67	<10	78
E2342289		<20	0.12	<10	78	<10	88
E2342290		<20	0.03	<10	51	10	95
E2342291		<20	0.02	<10	21	20	48
E2342292		<20	0.02	<10	41	10	62
E2342293		<20	0.04	<10	29	10	48
E2342294		<20	0.02	<10	53	20	31
E2342295		<20	0.04	<10	29	10	39
E2342296		<20	0.04	<10	96	<10	46
E2342297		<20	0.01	<10	64	<10	71
E2342298		<20	0.01	<10	62	<10	78
E2342299		<20	0.09	<10	117	10	51
E2342300		<20	0.02	<10	140	<10	59
E2342301		<20	0.05	<10	191	<10	69
E2342302		<20	0.02	<10	93	<10	93
E2342303		<20	0.04	<10	54	<10	138
E2342304		<20	0.11	<10	64	<10	74
E2342305		<20	0.08	<10	62	<10	53
E2342306		<20	0.10	<10	77	<10	62
E2342307		<20	0.13	<10	68	<10	100
E2342308		<20	0.12	<10	102	<10	142
E2342309		<20	0.11	<10	164	<10	132
E2342310		<20	0.09	<10	81	<10	193
E2342311		<20	0.21	<10	16	<10	199
E2342312		<20	0.01	<10	24	90	102
E2342313		<20	0.07	<10	204	<10	77
E2342314		<20	0.10	<10	293	<10	81
E2342315		<20	0.07	<10	299	<10	81
E2342316		<20	0.10	<10	297	<10	80
E2342317		<20	0.07	<10	284	<10	78
E2342318		<20	0.11	<10	297	<10	89
E2342319		<20	0.07	<10	276	<10	73
E2342320		<20	0.14	<10	297	<10	102
E2342321		<20	0.13	<10	271	<10	101
E2342322		<20	0.22	<10	328	30	84
E2342323		<20	0.05	<10	119	40	62



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Sample Description	Method Analysis Units	LOR	Au-AAS2		Ag		As		Ba		Bi		Ca		Cd		Co		Cr		Cu		Fe		Mn		Ni		Pb		S		Zn						
			ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%					
J2343281			2.82	0.008	0.5	0.01	9099	0.01	40	0.01	5	0.01	24	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5				
J2343282			2.38	0.196	0.2	0.02	199	0.02	50	0.02	5	0.02	24	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			
J2343286			2.46	0.778	0.2	0.02	4750	0.02	30	0.02	2	0.02	15	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5		
J2343277			2.39	3.39	0.2	0.02	3850	0.02	40	0.02	2	0.02	17	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5		
J2343288			2.41	0.415	0.2	0.02	404	0.02	100	0.02	2	0.02	17	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5		
J2343289			2.45	0.028	0.2	0.02	808	0.02	100	0.02	2	0.02	19	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5		
J2343300			2.46	0.092	0.2	0.02	81	0.02	100	0.02	2	0.02	28	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5		
J2343331			2.45	0.014	0.2	0.02	491	0.02	20	0.02	2	0.02	48	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5		
J2343332			2.38	0.008	0.2	0.02	16	0.02	90	0.02	2	0.02	23	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
J2343333			2.44	0.093	0.2	0.02	21	0.02	70	0.02	2	0.02	24	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
J2343334			2.44	0.009	0.2	0.02	47	0.02	80	0.02	2	0.02	25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
J2343335			2.46	0.088	0.2	0.02	26	0.02	210	0.02	2	0.02	22	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
J2343336			2.50	0.000	0.2	0.02	277	0.02	100	0.02	2	0.02	22	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
J2343337			2.38	0.085	0.2	0.02	291	0.02	90	0.02	2	0.02	22	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
J2343338			2.39	0.008	0.2	0.02	230	0.02	140	0.02	2	0.02	29	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
J2343339			2.39	0.068	0.2	0.02	62	0.02	100	0.02	2	0.02	25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
J2343340			2.38	0.088	0.2	0.02	278	0.02	90	0.02	2	0.02	24	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
J2343341			2.55	0.007	0.2	0.02	86	0.02	70	0.02	2	0.02	28	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
J2343342			2.45	0.007	0.2	0.02	79	0.02	60	0.02	2	0.02	28	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	



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Method Analyte Units LOR	MS-KN1 Ca ppm	MS-KN1 Hg ppm	MS-KN1 R %	MS-KN1 La ppm	MS-KN1 Mg %	MS-KN1 Mn ppm	MS-KN1 Ni ppm	MS-KN1 Pb ppm	MS-KN1 S ppm	MS-KN1 Ti ppm	MS-KN1 V ppm	MS-KN1 Cr ppm	MS-KN1 Ni ppm	MS-KN1 Sr ppm	MS-KN1 Zn ppm	MS-KN1 Si ppm
Z234324	10	<1	0.40	470	1.78	623	27	4	0.07	510	0.02	4	0.07	5	3	182
Z234325	10	<1	0.45	19	0.83	714	30	3	1.22	420	0.03	3	1.22	2	2	88
Z234326	10	<1	0.12	470	2.71	1180	41	4	1.03	279	0.03	4	1.03	4	28	191
Z234327	10	<1	0.22	470	2.27	1325	54	4	1.84	560	0.04	4	1.84	4	16	155
Z234328	10	<1	0.45	20	1.51	663	59	4	0.28	589	0.07	4	0.28	4	1	77
Z234329	10	<1	0.71	20	1.60	685	69	5	0.09	448	0.03	5	0.09	7	57	57
Z234330	10	<1	0.30	20	2.12	563	95	2	0.26	729	0.10	2	0.26	4	16	64
Z234331	10	<1	0.09	470	3.14	1216	249	<2	0.05	130	0.05	<2	0.15	<2	21	90
Z234332	10	<1	0.47	30	2.14	644	84	6	0.23	609	0.04	6	0.23	4	10	28
Z234333	10	<1	0.40	30	2.44	811	76	6	0.15	510	0.04	6	0.15	4	15	43
Z234334	10	<1	0.30	30	1.29	489	30	3	0.16	610	0.04	3	0.16	3	9	18
Z234335	10	<1	1.07	30	0.64	441	31	3	0.09	610	0.03	3	0.23	4	12	31
Z234336	10	<1	0.33	30	1.78	436	89	7	0.06	603	0.06	7	0.31	5	16	16
Z234337	10	<1	0.25	20	1.83	387	69	6	0.04	623	0.03	6	0.28	4	5	16
Z234338	10	<1	0.36	20	1.49	484	39	5	0.07	603	0.07	5	0.22	4	8	20
Z234339	10	<1	0.44	20	2.20	639	104	6	0.03	740	0.03	6	0.22	4	11	22
Z234340	10	<1	0.42	30	2.28	557	128	7	0.05	710	0.05	7	0.24	7	25	25
Z234341	10	<1	0.37	30	2.46	637	117	6	0.04	750	0.04	6	0.22	4	10	43
Z234342	10	<1	0.25	30	3.12	683	154	7	0.03	660	0.03	7	0.15	4	11	43



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Sample Description	Method Analyte Units	LOD	IR-ICP-A1 Ti ppm	IR-ICP-A1 Zn ppm	IR-ICP-A1 % %	IR-ICP-A1 V1 ppm	IR-ICP-A1 V2 ppm	IR-ICP-A1 U ppm	IR-ICP-A1 V ppm	IR-ICP-A1 W ppm	IR-ICP-A1 Zn ppm
Z234324			<20	<10	0.05	<10	42	<10	42	10	147
Z234325			<20	<10	0.05	<10	14	<10	14	<10	298
Z234326			<20	<10	0.06	<10	193	<10	193	<10	78
Z234327			<20	<10	0.05	<10	112	<10	112	10	188
Z234328			<20	<10	0.44	<10	84	<10	84	<10	70
Z234329			<20	<10	0.12	<10	58	<10	58	<10	78
Z234330			<20	<10	0.08	<10	123	<10	123	<10	88
Z234331			<20	<10	0.08	<10	165	<10	165	<10	49
Z234332			<20	<10	0.12	<10	30	<10	30	<10	64
Z234333			<20	<10	0.12	<10	97	<10	97	<10	80
Z234334			<20	<10	0.06	<10	91	<10	91	<10	79
Z234335			<20	<10	0.20	<10	81	<10	81	<10	82
Z234336			<20	<10	0.14	<10	59	<10	59	<10	79
Z234337			<20	<10	0.12	<10	48	<10	48	<10	77
Z234338			<20	<10	0.14	<10	60	<10	60	<10	76
Z234339			<20	<10	0.14	<10	89	<10	89	<10	76
Z234340			<20	<10	0.12	<10	64	<10	64	<10	81
Z234341			<20	<10	0.13	<10	75	<10	75	<10	75
Z234342			<20	<10	0.16	<10	37	<10	37	<10	86



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CERTIFICATE VO11006494

Project: NEV ALGER
 P.O. No.:
 This report is for 151 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 12-JAN-2011.
 The following have access to data associated with this certificate:
 BRANT NEWTON
 MARK WOLLEHEAD

SAMPLE PREPARATION		
ALS CODE	DESCRIPTION	
WB-21	Received Sample Weight	
LOG-ZZ	Sample log in - Read w/o BarCode	
CRU-QC	Crushing QC Test	
CRU-31	Fine crushing - 70% <2mm	
SPL-21	Split sample - riffle splitter	
PUL-31	Pulverize split to 80% <75 um	
ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-KC-4T	55 Element Aqua Regia ICP-AES	ICP-AES
AU-AA25	AU 30g FA-AA Finish	AAS
AU-GRA21	AU 30g FA-GRAV Finish	WST-SIM

To: MINROC MANAGEMENT
 ATTAL BRIAN NEWTON
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Signature:
 Colin Ramsden, Vancouver Laboratory Manager

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.



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Sample Description	Method Analyte Units LOR	ME-JCA4		ME-JCA5		ME-JCA6		ME-JCA7		ME-JCA8		ME-JCA9		ME-JCA10		ME-JCA11		ME-JCA12	
		TN ppm	TP ppm	%	TI ppm	TI ppm	TI ppm	TI ppm	TI ppm	TI ppm	TI ppm	TI ppm	TI ppm	TI ppm	TI ppm	TI ppm	TI ppm	TI ppm	TI ppm
Z234343		22	<20	0.12	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234344		25	<20	0.16	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234345		22	<20	0.14	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234346		32	<20	0.14	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234347		32	<20	0.12	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234348		25	<20	0.09	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234349		25	<20	0.05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234350		27	<20	0.08	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234351		29	<20	0.11	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234352		17	<20	0.11	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234353		15	<20	0.16	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234354		14	<20	0.17	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234355		11	<20	0.15	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234356		18	<20	0.16	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234357		19	<20	0.12	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234358		14	<20	0.11	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234359		16	<20	0.14	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234360		19	<20	0.16	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234361		18	<20	0.16	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234362		17	<20	0.17	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234363		16	<20	0.16	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234364		122	<20	0.04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234365		124	<20	0.15	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234366		281	<20	0.16	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234367		229	<20	0.11	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234368		134	<20	0.05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234369		95	<20	0.04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234370		223	<20	0.01	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234371		150	<20	0.01	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234372		250	<20	0.01	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234373		124	<20	0.02	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234374		122	<20	0.02	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234375		96	<20	0.05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234376		76	<20	0.10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234377		177	<20	0.14	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234378		95	<20	0.15	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234379		47	<20	0.17	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234380		95	<20	0.12	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234381		101	<20	0.12	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234382		96	<20	0.16	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10

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Sample Description	Method Analyte Units LCR	ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41		ME-ICP41	
		No	Con	mg	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%
J2343562		4.85	10	<1	0.01	2.77	0.01	907	41	0.04	76	4	0.01	800	10	0.01	4	0.01	14
J2343564		4.75	10	<1	0.01	3.12	0.01	392	17	0.03	36	3	0.01	810	10	0.01	4	0.01	15
J2343566		4.97	10	<1	0.01	3.15	0.01	1085	47	0.03	36	3	0.01	740	10	0.01	4	0.01	16
J2343568		4.45	10	<1	0.01	2.73	0.01	1035	47	0.02	70	2	0.01	700	10	0.01	4	0.01	9
J2343567		4.05	10	<1	0.01	2.41	0.01	609	27	0.03	31	3	0.01	1050	10	0.01	4	0.01	6
J2343568		2.84	10	<1	0.01	1.79	0.01	477	21	0.06	38	4	0.01	1370	10	0.01	4	0.01	4
J2343569		2.47	10	<1	0.01	1.63	0.01	632	28	0.04	28	3	0.01	1360	10	0.01	4	0.01	3
J2343570		2.03	10	<1	0.01	1.07	0.01	622	28	0.07	42	5	0.01	1450	10	0.01	4	0.01	6
J2343571		2.70	10	<1	0.01	1.37	0.01	611	27	0.05	42	5	0.01	1350	10	0.01	4	0.01	6
J2343572		3.27	10	<1	0.01	1.85	0.01	487	22	0.07	45	5	0.01	1490	10	0.01	4	0.01	7
J2343573		3.78	10	<1	0.01	1.41	0.01	485	21	0.07	40	4	0.01	1420	10	0.01	4	0.01	6
J2343574		3.09	10	<1	0.01	1.67	0.01	472	21	0.08	48	5	0.01	1320	10	0.01	4	0.01	8
J2343575		2.72	10	<1	0.01	1.46	0.01	485	21	0.05	41	4	0.01	1410	10	0.01	4	0.01	6
J2343576		3.03	10	<1	0.01	1.36	0.01	435	19	0.09	39	4	0.01	1340	10	0.01	4	0.01	6
J2343577		2.34	10	<1	0.01	1.48	0.01	416	18	0.09	40	5	0.01	1360	10	0.01	4	0.01	7
J2343578		3.22	10	<1	0.01	1.32	0.01	340	15	0.09	38	4	0.01	1380	10	0.01	4	0.01	7
J2343579		2.49	10	<1	0.01	1.86	0.01	472	21	0.04	43	5	0.01	1390	10	0.01	4	0.01	7
J2343580		3.38	10	<1	0.01	1.82	0.01	680	30	0.03	44	5	0.01	1450	10	0.01	4	0.01	8
J2343581		2.82	10	<1	0.01	1.64	0.01	596	27	0.03	44	5	0.01	1320	10	0.01	4	0.01	8
J2343582		2.84	10	<1	0.01	1.17	0.01	377	17	0.08	39	4	0.01	1450	10	0.01	4	0.01	8
J2344003		2.75	10	<1	0.01	1.14	0.01	603	27	0.05	35	4	0.01	1310	10	0.01	4	0.01	2
J2344004		2.91	10	<1	0.01	1.84	0.01	484	21	0.09	41	5	0.01	1390	10	0.01	4	0.01	2
J2344005		2.14	10	<1	0.01	1.37	0.01	477	21	0.08	53	6	0.01	1490	10	0.01	4	0.01	2
J2344006		2.14	10	<1	0.01	0.46	0.01	286	12	0.07	42	5	0.01	1080	10	0.01	4	0.01	2
J2344007		4.13	10	<1	0.01	1.71	0.01	778	35	0.08	48	6	0.01	1070	10	0.01	4	0.01	7
J2344008		7.18	10	<1	0.01	2.02	0.01	1329	57	0.03	38	4	0.01	240	10	0.01	4	0.01	15
J2344009		6.03	10	<1	0.01	2.39	0.01	1295	56	0.04	6	0	0.01	840	10	0.01	4	0.01	40
J2344110		7.59	10	<1	0.01	2.17	0.01	1255	54	0.05	20	2	0.01	910	10	0.01	4	0.01	2
J2344111		7.67	10	<1	0.01	1.93	0.01	1203	50	0.05	36	4	0.01	840	10	0.01	4	0.01	2
J2344112		2.87	10	<1	0.01	1.82	0.01	893	40	0.08	37	4	0.01	1480	10	0.01	4	0.01	2
J2344113		5.67	10	<1	0.01	2.54	0.01	1079	47	0.04	38	4	0.01	720	10	0.01	4	0.01	8
J2344114		4.24	10	<1	0.01	1.86	0.01	745	33	0.04	41	5	0.01	1240	10	0.01	4	0.01	6
J2344115		3.30	10	<1	0.01	1.91	0.01	595	27	0.09	44	5	0.01	1280	10	0.01	4	0.01	2
J2344116		4.24	10	<1	0.01	1.42	0.01	515	23	0.05	48	6	0.01	1270	10	0.01	4	0.01	2
J2344117		3.92	10	<1	0.01	1.38	0.01	526	23	0.04	44	5	0.01	1680	10	0.01	4	0.01	5
J2344118		3.13	10	<1	0.01	1.58	0.01	612	27	0.03	46	5	0.01	1310	10	0.01	4	0.01	4
J2344119		4.62	10	<1	0.01	1.43	0.01	1170	51	0.04	61	7	0.01	1250	10	0.01	4	0.01	3
J2344201		5.37	10	<1	0.01	2.24	0.01	860	38	0.04	49	6	0.01	720	10	0.01	4	0.01	14
J2344202		7.18	10	<1	0.01	4.24	0.01	1039	46	0.09	78	9	0.01	310	10	0.01	4	0.01	36
J2344203		6.12	10	<1	0.01	2.99	0.01	1040	46	0.04	67	8	0.01	300	10	0.01	4	0.01	16



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CERTIFICATE OF ANALYSIS VO11006494

Sample Description	Method Analyte Units LCR	ME-ICP-AES		ME-ICP-MS		ME-ICP-MS		ME-ICP-MS		ME-ICP-MS		ME-ICP-MS	
		ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%
J234383		<20	0.19	<10	<10	109		109		<10		<10	80
J234384		<20	0.12	<10	<10	108		108		<10		<10	77
J234385		<20	0.14	<10	<10	130		130		<10		<10	80
J234386		<20	0.10	<10	<10	80		80		<10		<10	71
J234387		<20	0.23	<10	<10	85		85		<10		<10	73
J234388		<20	0.15	<10	<10	85		85		<10		<10	85
J234389		<20	0.08	<10	<10	88		88		<10		<10	48
J234390		<20	0.16	<10	<10	76		76		<10		<10	57
J234391		<20	0.19	<10	<10	74		74		<10		<10	55
J234392		<20	0.25	<10	<10	104		104		<10		<10	71
J234393		<20	0.17	<10	<10	85		85		<10		<10	89
J234394		<20	0.17	<10	<10	107		107		<10		<10	86
J234395		<20	0.10	<10	<10	78		78		<10		<10	54
J234396		<20	0.18	<10	<10	83		83		<10		<10	63
J234397		<20	0.15	<10	<10	84		84		<10		<10	80
J234398		<20	0.14	<10	<10	88		88		<10		<10	64
J234399		<20	0.09	<10	<10	38		38		<10		<10	26
J234400		<20	0.01	<10	<10	31		31		<10		<10	28
J234401		<20	0.01	<10	<10	34		34		<10		<10	50
J234402		<20	<0.04	<10	<10	24		24		<10		<10	34
J234403		<20	<0.01	<10	<10	13		13		<10		<10	44
J234404		<20	0.01	<10	<10	43		43		<10		<10	31
J234405		<20	0.02	<10	<10	77		77		<10		<10	68
J234406		<20	<0.01	<10	<10	44		44		<10		<10	13
J234407		<20	0.01	<10	<10	42		42		<10		<10	23
J234408		<20	0.07	<10	<10	232		232		<10		<10	70
J234409		<20	0.15	<10	<10	388		388		<10		<10	114
J234410		<20	0.11	<10	<10	169		169		<10		<10	102
J234411		<20	0.10	<10	<10	217		217		<10		<10	74
J234412		<20	0.01	<10	<10	38		38		<10		<10	22
J234413		<20	0.03	<10	<10	71		71		<10		<10	47
J234414		<20	0.03	<10	<10	45		45		<10		<10	73
J234415		<20	0.01	<10	<10	17		17		<10		<10	69
J234416		<20	0.01	<10	<10	17		17		<10		<10	85
J234417		<20	0.01	<10	<10	13		13		<10		<10	107
J234418		<20	0.02	<10	<10	27		27		<10		<10	27
J234419		<20	0.01	<10	<10	25		25		<10		<10	169
J234420		<20	0.04	<10	<10	135		135		<10		<10	114
J234421		<20	0.17	<10	<10	282		282		<10		<10	82
J234422		<20	0.15	<10	<10	233		233		<10		<10	71



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Sample Description	Method Analyte Units LOD	CERTIFICATE OF ANALYSIS VD11006494																	
		MC-1041 % 0.02	MC-1041 Cu ppm	MC-1041 Hg ppm	MC-1041 % 0.01	MC-1041 La ppm	MC-1041 Mg %	MC-1041 Mn ppm	MC-1041 % 0.01	MC-1041 Ni ppm	MC-1041 % 0.01	MC-1041 P ppm	MC-1041 % 0.01	MC-1041 S ppm	MC-1041 % 0.01	MC-1041 Se ppm	MC-1041 % 0.01	MC-1041 Si ppm	MC-1041 % 0.01
Z234423		6.06	10	10	0.34	0.14	1115	41	0.04	30	290	2	0.10	5	14				
Z234424		6.90	10	1	0.14	0.04	1115	41	0.04	48	280	3	0.10	4	35				
Z234425		6.90	10	1	0.23	0.04	1000	49	0.04	49	320	2	0.21	4	36				
Z234426		6.21	10	1	0.15	0.04	1008	43	0.04	43	360	4	0.43	6	34				
Z234427		6.62	10	4	0.20	0.04	1050	40	0.04	40	300	2	0.14	3	29				
Z234428		7.08	10	1	0.18	0.03	1185	44	0.03	44	300	3	0.26	3	25				
Z234429		7.06	10	4	0.23	0.04	1146	43	0.04	43	300	3	0.17	3	29				
Z234430		6.63	10	1	0.01	0.03	1162	45	0.03	45	260	2	0.10	3	31				
Z234431		6.63	10	4	0.08	0.04	1080	27	0.04	27	310	4	0.73	2	34				
Z234432		6.56	10	1	0.58	0.04	1150	27	0.04	27	250	4	0.86	5	24				
Z234433		6.02	10	1	0.65	0.03	1250	18	0.03	18	300	4	0.49	4	39				
Z234434		7.16	10	1	0.68	0.15	1215	22	0.05	22	280	2	0.29	2	39				
Z234435		7.86	10	1	0.38	0.78	1225	41	0.05	41	300	3	0.13	4	40				
Z234436		7.86	10	1	1.41	0.34	1115	41	0.04	41	300	3	1.38	4	34				
Z234437		7.87	10	1	1.68	0.37	1195	30	0.03	30	260	4	0.82	3	25				
Z234438		4.21	40	1	0.25	1.50	803	37	0.05	37	300	2	1.39	4	10				
Z234439		6.51	10	1	0.71	0.79	1050	47	0.05	47	260	2	0.46	4	20				
Z234440		5.87	10	4	0.10	0.58	1085	46	0.03	46	220	6	0.52	3	19				
Z234441		5.21	10	1	0.11	0.68	1135	115	0.03	115	420	6	0.47	4	18				
Z234442		5.82	10	1	0.04	0.88	1140	128	0.04	128	270	4	0.86	3	23				
Z234443		6.08	10	1	0.03	0.48	1385	89	0.03	89	200	2	0.20	4	24				
Z234444		6.18	10	1	0.02	0.94	1128	77	0.02	77	280	2	0.14	3	20				
Z234445		6.50	10	1	0.02	0.94	1065	63	0.02	63	300	4	0.11	4	23				
Z234446		6.28	10	4	0.05	0.80	1045	48	0.02	48	260	3	0.28	2	29				
Z234447		6.25	10	1	0.03	0.58	1170	87	0.03	87	280	3	0.81	4	26				
Z234448		6.92	10	1	0.04	0.73	1375	59	0.03	59	280	4	1.47	4	16				
Z234449		4.91	10	1	0.15	2.81	882	1	0.04	1	700	3	1.09	4	16				
Z234450		3.82	40	4	0.22	2.0	164	72	0.04	72	860	4	0.70	4	16				
Z234451		3.62	10	4	0.25	1.26	690	73	0.04	73	580	6	0.58	4	16				
Z234452		3.84	10	4	0.14	1.40	637	71	0.05	71	610	22	0.57	2	16				
Z234453		3.78	10	4	0.02	2.03	488	85	0.05	85	730	15	0.47	4	16				
Z234454		4.48	10	4	0.37	2.48	807	127	0.04	127	930	16	0.37	4	16				
Z234455		3.62	10	4	0.05	1.64	582	89	0.05	89	680	7	0.48	4	16				
Z234456		3.37	60	4	0.39	1.05	423	63	0.04	63	830	3	0.80	3	16				
Z234457		5.30	10	4	0.01	1.50	564	68	0.05	68	400	4	0.18	4	16				
Z234458		2.25	40	4	0.05	1.18	481	46	0.05	46	540	4	0.30	4	16				
Z234459		3.87	10	4	0.02	2.62	584	128	0.05	128	720	2	0.18	4	16				
Z234460		4.38	10	4	0.01	4.68	957	179	0.01	179	1180	3	0.04	4	16				
Z234461		4.01	10	4	0.01	5.88	1255	488	0.01	488	150	2	0.07	4	16				
Z234462		3.83	10	4	0.17	1.43	383	75	0.04	75	680	2	0.25	4	16				



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 Account: MINROAN

Project: NEW ALGER

CERTIFICATE OF ANALYSIS VO11006494

Sample Description	Method Analyte Units LOR	MC-KOAN		ME-KOAN		MC-KOAN		ME-KOAN		MC-KOAN		ME-KOAN		MC-KOAN		ME-KOAN	
		ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%
Z234423	As	<20	0.15	<10	<10	216	<10	<10	<10	72	<10	<10	<10	72	<10	<10	<10
Z234424	Co	<20	0.18	<10	<10	280	<10	<10	<10	81	<10	<10	<10	81	<10	<10	<10
Z234425	Cr	<20	0.11	<10	<10	289	<10	<10	<10	73	<10	<10	<10	68	<10	<10	<10
Z234426	Fe	<20	0.10	<10	<10	285	<10	<10	<10	68	<10	<10	<10	77	<10	<10	<10
Z234427	Mn	<20	0.19	<10	<10	278	<10	<10	<10	77	<10	<10	<10	77	<10	<10	<10
Z234428	Ni	<20	0.15	<10	<10	268	<10	<10	<10	84	<10	<10	<10	84	<10	<10	<10
Z234429	Pb	<20	0.12	<10	<10	302	<10	<10	<10	81	<10	<10	<10	81	<10	<10	<10
Z234430	Se	<20	0.05	<10	<10	302	<10	<10	<10	82	<10	<10	<10	82	<10	<10	<10
Z234431	Si	<20	0.09	<10	<10	291	<10	<10	<10	78	<10	<10	<10	78	<10	<10	<10
Z234432	Sr	<20	0.06	<10	<10	198	<10	<10	<10	76	<10	<10	<10	76	<10	<10	<10
Z234433	Ti	<20	0.12	<10	<10	410	<10	<10	<10	88	<10	<10	<10	88	<10	<10	<10
Z234434	V	<20	0.12	<10	<10	318	<10	<10	<10	79	<10	<10	<10	79	<10	<10	<10
Z234435	Zn	<20	0.20	<10	<10	382	<10	<10	<10	80	<10	<10	<10	80	<10	<10	<10
Z234436	Al	<20	0.20	<10	<10	291	<10	<10	<10	20	<10	<10	<10	20	<10	<10	<10
Z234437	Ag	<20	0.24	<10	<10	316	<10	<10	<10	82	<10	<10	<10	82	<10	<10	<10
Z234438	Bi	<20	0.03	<10	<10	80	<10	<10	<10	72	<10	<10	<10	72	<10	<10	<10
Z234439	Ba	<20	0.10	<10	<10	170	<10	<10	<10	78	<10	<10	<10	78	<10	<10	<10
Z234440	Be	<20	0.08	<10	<10	181	<10	<10	<10	85	<10	<10	<10	85	<10	<10	<10
Z234441	Br	<20	0.03	<10	<10	141	<10	<10	<10	215	<10	<10	<10	215	<10	<10	<10
Z234442	Cd	<20	0.07	<10	<10	182	<10	<10	<10	78	<10	<10	<10	78	<10	<10	<10
Z234443	Cu	<20	0.07	<10	<10	184	<10	<10	<10	72	<10	<10	<10	72	<10	<10	<10
Z234444	Hg	<20	0.05	<10	<10	196	<10	<10	<10	71	<10	<10	<10	71	<10	<10	<10
Z234445	K	<20	0.06	<10	<10	209	<10	<10	<10	88	<10	<10	<10	88	<10	<10	<10
Z234446	Li	<20	0.08	<10	<10	183	<10	<10	<10	83	<10	<10	<10	83	<10	<10	<10
Z234447	Mg	<20	0.03	<10	<10	181	<10	<10	<10	80	<10	<10	<10	80	<10	<10	<10
Z234448	Mo	<20	0.03	<10	<10	187	<10	<10	<10	100	<10	<10	<10	100	<10	<10	<10
Z234449	Na	<20	0.03	<10	<10	121	<10	<10	<10	137	<10	<10	<10	137	<10	<10	<10
Z234450	P	<20	0.03	<10	<10	80	<10	<10	<10	186	<10	<10	<10	186	<10	<10	<10
Z234451	S	<20	0.07	<10	<10	48	<10	<10	<10	78	<10	<10	<10	78	<10	<10	<10
Z234452	Sc	<20	0.09	<10	<10	40	<10	<10	<10	116	<10	<10	<10	116	<10	<10	<10
Z234453	Ta	<20	0.11	<10	<10	77	<10	<10	<10	82	<10	<10	<10	82	<10	<10	<10
Z234454	Tb	<20	0.16	<10	<10	79	<10	<10	<10	94	<10	<10	<10	94	<10	<10	<10
Z234455	Te	<20	0.14	<10	<10	55	<10	<10	<10	86	<10	<10	<10	86	<10	<10	<10
Z234456	Th	<20	0.08	<10	<10	37	<10	<10	<10	74	<10	<10	<10	74	<10	<10	<10
Z234457	U	<20	0.13	<10	<10	67	<10	<10	<10	81	<10	<10	<10	81	<10	<10	<10
Z234458	Va	<20	0.02	<10	<10	28	<10	<10	<10	26	<10	<10	<10	26	<10	<10	<10
Z234459	W	<20	0.02	<10	<10	89	<10	<10	<10	71	<10	<10	<10	71	<10	<10	<10
Z234460	Xf	<20	0.07	<10	<10	101	<10	<10	<10	63	<10	<10	<10	63	<10	<10	<10
Z234461	Y	<20	0.07	<10	<10	88	<10	<10	<10	30	<10	<10	<10	30	<10	<10	<10
Z234462	Zr	<20	0.07	<10	<10	37	<10	<10	<10	61	<10	<10	<10	61	<10	<10	<10



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Project: NEW ALGER

CERTIFICATE OF ANALYSIS

VO11006494

Sample Description	Method Analyte Units	ME-ICP-AES		ME-ICP-MS		ME-ICP-MS		ME-ICP-MS		ME-ICP-MS		ME-ICP-MS		ME-ICP-MS		ME-ICP-MS	
		g/g	ppm	g/g	ppm	g/g	ppm	g/g	ppm	g/g	ppm	g/g	ppm	g/g	ppm	g/g	ppm
12344833		3.44	10	1.32	381	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
12344834		3.43	10	1.32	367	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
12344835		3.64	10	1.32	433	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
12344836		3.72	10	1.32	422	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
12344837		4.03	10	1.32	437	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
12344838		4.43	10	1.32	470	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
12344839		5.99	10	1.32	818	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
12344710		3.99	10	1.32	318	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
12344711		4.57	10	1.32	478	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234472		4.81	10	1.32	425	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234473		4.59	10	1.32	464	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234474		6.16	10	1.32	649	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234475		7.05	10	1.32	1016	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234476		4.27	10	1.32	325	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234477		3.80	10	1.32	385	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234478		2.54	10	1.32	732	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234479		3.62	10	1.32	468	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234480		3.24	10	1.32	332	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234481		2.88	10	1.32	352	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234482		3.07	10	1.32	478	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234483		2.82	10	1.32	342	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234484		3.03	10	1.32	370	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234485		3.09	10	1.32	369	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234486		0.79	10	0.01	181	0.01	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234487		3.24	10	1.32	375	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234488		3.71	10	1.32	337	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234489		3.50	10	1.32	374	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234490		4.74	10	1.32	323	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234491		5.24	10	1.32	327	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234492		7.02	10	1.32	1359	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1
1234493		6.83	10	1.32	1320	0.05	10	0.01	1	0.01	1	0.01	1	0.01	1	0.01	1



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 Account: MINIRMAN

Project: NEW ALGER

CERTIFICATE OF ANALYSIS VO11006494

Sample Description	Method Analyte Units LOR	MS-ICP-MS		MS-AAS		MS-ICP-MS		MS-ICP-MS		MS-ICP-MS		MS-ICP-MS		MS-ICP-MS	
		ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%
Z234463		22	<20	0.09	<0.10	<10	<10	43	<10	<10	<10	52	<10	52	<10
Z234464		24	<20	0.07	<0.10	<10	<10	36	<10	51	<10	51	<10	51	<10
Z234465		29	<20	0.11	<0.10	<10	<10	65	<10	64	<10	64	<10	64	<10
Z234466		16	<20	0.10	<0.10	<10	<10	65	<10	71	<10	71	<10	71	<10
Z234467		20	<20	0.08	<0.10	<10	<10	44	<10	74	<10	74	<10	74	<10
Z234468		15	<20	0.10	<0.10	<10	<10	46	<10	82	<10	82	<10	82	<10
Z234469		24	<20	0.09	<0.10	<10	<10	184	<10	86	<10	86	<10	86	<10
Z234470		126	<20	0.01	<0.10	<10	<10	82	<10	67	<10	67	<10	67	<10
Z234471		48	<20	0.27	<0.10	<10	<10	188	<10	74	<10	74	<10	74	<10
Z234472		43	<20	0.16	<0.10	<10	<10	137	<10	74	<10	74	<10	74	<10
Z234473		64	<20	0.20	<0.10	<10	<10	102	<10	88	<10	88	<10	88	<10
Z234474		83	<20	0.17	<0.10	<10	<10	140	<10	96	<10	96	<10	96	<10
Z234475		81	<20	0.19	<0.10	<10	<10	235	<10	84	<10	84	<10	84	<10
Z234476		33	<20	0.14	<0.10	<10	<10	88	<10	83	<10	83	<10	83	<10
Z234477		129	<20	0.16	<0.10	<10	<10	65	<10	86	<10	86	<10	86	<10
Z234478		144	<20	0.08	<0.10	<10	<10	69	<10	89	<10	89	<10	89	<10
Z234479		118	<20	0.08	<0.10	<10	<10	74	<10	87	<10	87	<10	87	<10
Z234480		101	<20	0.08	<0.10	<10	<10	82	<10	89	<10	89	<10	89	<10
Z234481		36	<20	0.07	<0.10	<10	<10	81	<10	84	<10	84	<10	84	<10
Z234482		78	<20	0.03	<0.10	<10	<10	81	<10	83	<10	83	<10	83	<10
Z234483		68	<20	0.07	<0.10	<10	<10	87	<10	87	<10	87	<10	87	<10
Z234484		97	<20	0.04	<0.10	<10	<10	78	<10	83	<10	83	<10	83	<10
Z234485		30	<20	0.02	<0.10	<10	<10	58	<10	80	<10	80	<10	80	<10
Z234486		39	<20	<0.01	<0.10	<10	<10	4	<10	9	<10	9	<10	9	<10
Z234487		130	<20	0.04	<0.10	<10	<10	65	<10	49	<10	49	<10	49	<10
Z234488		104	<20	0.04	<0.10	<10	<10	77	<10	78	<10	78	<10	78	<10
Z234489		102	<20	0.03	<0.10	<10	<10	72	<10	80	<10	80	<10	80	<10
Z234490		167	<20	0.10	<0.10	<10	<10	607	<10	67	<10	67	<10	67	<10
Z234491		149	<20	0.03	<0.10	<10	<10	134	<10	70	<10	70	<10	70	<10
Z234492		204	<20	0.17	<0.10	<10	<10	168	<10	87	<10	87	<10	87	<10
Z234493		165	<20	0.16	<0.10	<10	<10	131	<10	49	<10	49	<10	49	<10



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Page: 1
 Finalized Date: 3-FEB-2011
 Account: MINIRMAN

CERTIFICATE TB11011920

Project: NEW ALGER

P.O. No.:

This report is for 150 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 21-JAN-2011.

The following have access to data associated with this certificate:

MATT HOWARD
 BRIAN NEWTON
 MARK WELTZAD

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WB-21	Revised Sample Weight
LOG-22	Sample LogIn - Red w/o BarCode
CRU-OC	Crushing QC Test
PUL-OC	Pulverizing QC Test
CRU-31	Fine crushing - 70% < 2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
AU-4423	AU 30g FA-AA finish	AAS
ME-ICP41	3.5 Element Aqua Regia ICP-AES	ICP-AES

To: MINIROC MANAGEMENT
 ATTN: BRIAN NEWTON
 65, FRONT ST. EAST, SUITE 304
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This is the Final Report and supersedes any preliminary reports 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: 3-FEB-2017
Accoluted by: BIRNBAUM



Project: NEW ALGER

Sample Description	Method Analyte Units	LOE	CERTIFICATE OF ANALYSIS TB11011920															
			Ag-AAS	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag	Ag
J234494	2.81	0.02	0.006	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
J234495	1.30	7.84	0.2	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	
J234496	3.72	0.01	0.4	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	3.03	
J234497	3.76	4.88	0.2	4.88	4.88	4.88	4.88	4.88	4.88	4.88	4.88	4.88	4.88	4.88	4.88	4.88	4.88	
J234498	3.87	0.050	0.2	6.42	6.42	6.42	6.42	6.42	6.42	6.42	6.42	6.42	6.42	6.42	6.42	6.42	6.42	
J234499	1.26	0.457	0.2	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	
J234500	3.30	0.040	0.2	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38	4.38	
J234501	3.70	0.008	0.2	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	2.18	
J234502	3.78	0.075	0.2	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	1.56	
J234503	3.55	0.005	0.2	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	
J234504	4.16	0.005	0.2	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	
J234505	3.51	0.005	0.2	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	
J234506	3.89	0.005	0.2	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	2.07	
J234507	3.41	0.005	0.2	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	2.05	
J234508	2.21	0.024	0.2	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	2.03	
J234509	0.72	0.005	0.2	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	
J234510	4.02	0.005	0.2	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	2.79	
J234511	2.76	0.005	0.2	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	2.21	
J234512	3.86	0.005	0.2	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	2.93	
J234513	2.19	0.016	0.2	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	2.77	
J234514	1.87	0.045	0.2	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	
J234515	2.78	0.028	0.2	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	1.51	
J234516	2.41	0.080	0.2	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	
J234517	0.20	0.005	0.2	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	
J234518	0.74	0.120	0.2	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	1.28	
J234519	1.44	0.074	0.2	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	2.70	
J234520	2.54	0.029	0.2	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	2.82	
J234521	2.22	0.174	0.2	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	
J234522	3.80	1.055	0.2	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.24	
J234523	3.74	0.004	0.2	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	
J234524	3.12	0.718	0.2	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	
J234525	3.88	0.488	0.2	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	3.85	
J234526	3.83	3.467	0.2	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	1.38	
J234527	4.08	1.230	0.2	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	4.09	
J234528	3.53	0.842	0.2	6.39	6.39	6.39	6.39	6.39	6.39	6.39	6.39	6.39	6.39	6.39	6.39	6.39	6.39	
J234529	1.84	0.874	0.2	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	3.05	
J234530	3.88	0.247	0.2	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	3.75	
J234531	3.55	0.814	1.0	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	1.41	
J234532	1.27	0.008	0.2	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	
J234533	2.71	0.090	0.2	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	



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CERTIFICATE OF ANALYSIS

TB110T1920

Sample Description	Method Analysis Units LOR	ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS	
		TI ppm	SI %	TI ppm	SI %	TI ppm	SI %	TI ppm	SI %	TI ppm	SI %	TI ppm	SI %	TI ppm	SI %
J234484		<20	0.18	<10	<10	185		20		62					
J234495		<20	0.09	<10	<10	195		40		54					
J234498		<20	0.77	<10	<10	242		30		70					
J234487		<20	0.28	<10	<10	312		30		70					
J234488		<20	0.20	<10	<10	324		<10		72					
J234489		<20	0.79	<10	<10	148		70		40					
J234500		<20	0.70	<10	<10	227		<10		88					
J234501		<20	0.10	<10	<10	903		<10		74					
J234502		<20	0.15	<10	<10	89		<10		65					
J234503		<20	0.73	<10	<10	100		<10		67					
J234504		<20	0.76	<10	<10	112		<10		121					
J234505		<20	0.76	<10	<10	88		<10		58					
J234506		<20	0.07	<10	<10	113		<10		144					
J234507		<20	<0.01	<10	<10	69		<10		6259					
J234508		<20	0.82	<10	<10	89		<10		420					
J234509		<20	0.04	10	<10	162		<10		30					
J234510		<20	0.04	<10	<10	157		<10		166					
J234511		<20	0.28	<10	<10	176		<10		163					
J234512		<20	0.11	<10	<10	144		<10		52					
J234513		<20	0.28	<10	<10	107		<10		85					
J234514		<20	<0.01	<10	<10	104		<10		300					
J234515		<20	<0.01	<10	<10	79		<10		75					
J234516		<20	<0.01	<10	<10	78		<10		475					
J234517		<20	0.01	<10	<10	58		<10		17					
J234518		<20	0.07	<10	<10	85		<10		75					
J234519		<20	0.05	<10	<10	74		<10		78					
J234520		<20	0.08	<10	<10	109		<10		84					
J234521		<20	0.01	<10	<10	44		<10		85					
J234522		<20	0.01	<10	<10	40		<10		102					
J234523		<20	<0.01	<10	<10	4		<10		548					
J234524		<20	0.08	<10	<10	167		<10		130					
J234525		<20	0.07	<10	<10	223		<10		85					
J234526		<20	0.01	<10	<10	110		<10		115					
J234527		<20	0.05	<10	<10	270		<10		90					
J234528		<20	0.07	<10	<10	257		<10		86					
J234529		<20	0.04	<10	<10	277		<10		100					
J234530		<20	0.02	<10	<10	198		<10		182					
J234531		<20	0.02	<10	<10	50		<10		284					
J234532		<20	<0.01	<10	<10	44		<10		2190					
J234533		<20	0.02	<10	<10	60		<10		259					

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Sample Description	Method Analysis Units LOI	MS-12041 Au ppm 10	MS-12043 Ag ppm 1	MS-12045 Cu ppm 10	MS-12047 Mg ppm 10	MS-12049 Fe ppm 5	MS-12041 Ni ppm 1	MS-12041 Co ppm 1	MS-12041 P ppm 10	MS-12041 S ppm 2	MS-12041 Zn ppm 2	MS-12041 Mn ppm 1	MS-12041 Ba ppm 1	MS-12041 Pb ppm 1
Z234534		10	1	0.71	30	540	54	0.04	14	0.67	<2	5	5	37
Z234535		10	4	1.34	50	479	1	0.05	90	0.34	<2	6	18	18
Z234536		<10	1	1.06	30	478	1	0.04	82	0.52	<2	5	5	22
Z234537		<10	1	0.47	30	450	1	0.05	85	1.24	<2	3	3	37
Z234538		10	4	0.78	30	477	1	0.05	131	0.58	<2	6	6	57
Z234539		<10	1	0.31	<10	1030	4	0.01	439	0.73	2	17	472	
Z234540		<10	1	0.25	20	420	1	0.02	76	0.17	<2	4	19	19
Z234541		<10	1	0.40	20	471	1	0.03	53	0.22	<2	6	5	35
Z234542		10	1	0.84	30	482	1	0.04	96	0.26	<2	8	16	16
Z234543		<10	4	0.17	20	435	1	0.03	90	0.15	<2	5	5	32
Z234544		<10	1	0.17	10	284	4	0.03	30	0.38	<2	3	15	15
Z234545		<10	4	0.24	20	538	4	0.03	27	0.16	<2	4	4	107
Z234546		10	4	0.77	30	503	1	0.03	111	0.38	<2	5	5	15
Z234547		10	4	0.64	30	179	302	1	0.03	114	0.48	<2	5	53
Z234548		10	1	0.64	30	473	4	0.04	89	0.30	<2	6	6	25
Z234549		10	1	0.63	30	467	4	0.04	93	0.38	<2	6	6	20
Z234550		10	4	0.17	30	474	4	0.03	144	0.46	<2	4	4	25
Z234551		10	1	2.34	10	1142	4	0.07	109	0.18	<2	19	37	37
Z234552		10	1	0.68	10	1063	34	0.04	38	0.01	<2	23	42	42
Z234553		10	1	1.29	<10	1238	4	0.04	27	0.14	<2	10	10	122
Z234554		10	1	0.07	<10	1070	9	0.04	9	0.58	<2	10	10	138
Z234555		10	1	0.57	<10	1038	4	0.09	4	0.26	<2	9	9	108
Z234556		10	1	0.88	30	934	54	0.07	34	0.18	<2	15	31	31
Z234557		10	4	0.42	10	1273	68	0.04	68	0.11	<2	24	36	36
Z234558		20	4	0.28	<10	1286	78	0.03	78	0.18	<2	17	18	185
Z234559		20	4	0.30	<10	1152	81	0.03	81	0.07	<2	17	18	185
Z234560		10	4	0.73	<10	1038	73	0.03	350	0.08	<2	19	19	146
Z234561		20	4	1.05	<10	1130	73	0.04	370	0.13	<2	24	24	183
Z234562		10	4	0.91	10	930	288	0.01	288	<0.01	<2	7	7	210
Z234563		10	4	0.03	16	930	131	0.01	280	<0.01	<2	7	7	185
Z234564		10	4	0.54	20	1030	81	0.04	4	0.08	5	13	13	58
Z234565		10	4	0.67	20	494	85	0.03	1403	0.03	<2	11	11	48
Z234566		10	1	1.47	20	181	48	0.03	1523	0.02	<2	11	11	33
Z234567		10	4	1.25	20	487	47	0.07	1480	0.03	<2	11	11	38
Z234568		10	4	1.10	30	537	48	0.07	1840	0.09	<2	12	12	31
Z234569		10	4	1.16	20	440	47	0.08	1480	0.07	2	10	10	32
Z234570		10	4	0.82	20	409	48	0.07	1590	0.08	<2	12	12	43
Z234571		10	4	0.88	20	438	47	0.07	1480	0.08	<2	10	10	38
Z234572		10	4	0.75	30	442	48	0.07	1520	0.11	<2	11	11	37
Z234573		10	4	0.85	30	431	45	0.08	1510	0.18	<2	8	8	38

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Sample Description	Method Analytical Unit LOR	ML-DNA1 To ppm	ML-DNA1 % 0.01	ML-DNA1 Ti ppm 10	ML-DNA1 U ppm 50	ML-DNA1 Y ppm 1	ML-DNA1 W ppm 10	ML-DNA1 Zn ppm 100
1234534	<20	0.12	<10	<10	<10	45	<10	205
1234535	<20	0.20	<10	<10	<10	60	<10	177
1234536	<20	0.19	<10	<10	<10	58	<10	79
1234537	<20	0.28	<10	<10	<10	32	<10	72
1234538	<20	0.17	<10	<10	<10	79	<10	60
1234539	<20	0.10	<10	<10	<10	108	<10	24
1234540	<20	0.28	<10	<10	<10	38	<10	48
1234541	<20	0.10	<10	<10	<10	45	<10	72
1234542	<20	0.17	<10	<10	<10	79	<10	89
1234543	<20	0.10	<10	<10	<10	48	<10	64
1234544	<20	0.05	<10	<10	<10	29	<10	25
1234545	<20	0.05	<10	<10	<10	28	<10	28
1234546	<20	0.16	<10	<10	<10	54	<10	92
1234547	<20	0.16	<10	<10	<10	82	<10	63
1234548	<20	0.17	<10	<10	<10	72	<10	23
1234549	<20	0.14	<10	<10	<10	60	<10	85
1234550	<20	0.09	<10	<10	<10	49	<10	80
1234551	<20	0.28	<10	<10	<10	148	<10	114
1234552	<20	0.28	<10	<10	<10	155	<10	85
1234553	<20	0.21	<10	<10	<10	298	<10	161
1234554	<20	0.07	<10	<10	<10	208	76	138
1234555	<20	0.22	<10	<10	<10	139	<10	132
1234556	<20	0.28	<10	<10	<10	200	<10	172
1234557	<20	0.18	<10	<10	<10	162	<10	139
1234558	<20	0.24	<10	<10	<10	263	<10	107
1234559	<20	0.18	<10	<10	<10	228	<10	94
1234560	<20	0.22	<10	<10	<10	247	<10	72
1234561	<20	0.21	<10	<10	<10	224	<10	70
1234562	<20	0.10	<10	<10	<10	80	<10	89
1234563	<20	0.15	<10	<10	<10	64	<10	35
1234564	<20	0.27	<10	<10	<10	129	<10	81
1234565	<20	0.25	<10	<10	<10	128	<10	70
1234566	<20	0.20	<10	<10	<10	183	<10	70
1234567	<20	0.25	<10	<10	<10	129	<10	68
1234568	<20	0.22	<10	<10	<10	140	<10	71
1234569	<20	0.23	<10	<10	<10	125	<10	71
1234570	<20	0.22	<10	<10	<10	183	<10	68
1234571	<20	0.25	<10	<10	<10	122	<10	70
1234572	<20	0.24	<10	<10	<10	120	<10	81
1234573	<20	0.19	<10	<10	<10	89	<10	88

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Sample Description	Method Analyte Units LCR	ME-ASMT		ME-ASMT		ME-ASMT		ME-ASMT		ME-ASMT		ME-ASMT		ME-ASMT		ME-ASMT		ME-ASMT		ME-ASMT	
		g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g	g
Z234574	10	41	0.44	30	1.27	670	36	1000	3	0.87	42	6	39								
Z234575	10	41	0.78	30	1.50	467	44	1510	3	0.15	42	7	47								
Z234576	10	41	0.70	20	1.37	580	44	1410	5	0.16	44	8	58								
Z234577	10	41	0.47	30	1.02	528	37	1430	2	0.63	42	8	67								
Z234578	10	41	0.43	30	1.39	547	30	1680	2	0.17	42	4	52								
Z234579	10	41	0.89	10	2.17	378	58	670	3	0.71	42	14	142								
Z234580	10	41	0.28	40	4.27	1068	44	330	2	0.41	42	20	218								
Z234581	10	41	0.14	40	3.62	1165	71	340	2	0.15	42	30	177								
Z234582	10	41	1.11	40	3.27	1145	57	340	2	0.80	42	34	185								
Z234583	10	41	0.81	40	2.81	1070	43	180	2	1.73	42	24	187								
Z234584	10	41	0.85	40	2.91	1100	46	140	2	1.80	42	23	184								
Z234585	10	41	0.51	40	1.48	633	22	440	2	0.68	42	23	186								
Z234586	10	41	0.82	40	3.37	1190	31	330	2	0.43	42	30	177								
Z234587	10	41	1.34	40	3.38	1313	47	340	3	1.25	42	18	219								
Z234588	10	41	1.28	30	2.51	1090	39	170	3	2.88	42	11	210								
Z234589	10	41	0.63	40	3.44	1160	50	360	2	0.40	42	21	166								
Z234590	10	41	0.12	40	3.30	1140	47	410	2	0.82	42	25	167								
Z234591	10	41	0.23	40	3.47	1173	48	390	2	0.76	42	24	166								
Z234592	10	41	0.61	40	3.36	1193	48	290	2	1.82	42	13	161								
Z234593	10	41	1.28	30	2.90	790	48	1680	3	0.66	42	13	82								
Z234594	10	41	0.57	20	2.27	800	48	1230	3	0.22	42	14	64								
Z234595	10	41	0.26	20	1.52	536	40	1440	5	0.15	42	8	63								
Z234596	10	41	0.15	30	1.58	467	48	1380	4	0.22	42	7	59								
Z234597	10	41	0.28	30	1.68	541	48	1400	5	0.27	42	7	53								
Z234598	10	41	0.44	30	1.61	609	48	1380	4	0.28	42	7	51								
Z234599	10	41	0.73	30	1.38	628	47	1490	4	0.37	42	8	44								
Z234600	10	41	0.44	30	1.38	705	46	1480	4	0.74	42	4	47								
Z234601	10	41	0.14	10	1.15	265	52	1380	6	5.27	42	2	52								
Z234602	10	41	0.20	40	1.31	1373	63	900	3	2.76	42	2	124								
Z234603	10	41	0.10	30	1.36	1324	49	570	3	2.63	42	3	110								
Z234604	10	41	0.12	40	1.28	628	50	810	3	2.24	42	3	100								
Z234605	10	41	0.13	40	0.64	354	12	1030	3	1.70	42	2	65								
Z234606	10	41	0.15	40	0.78	670	12	1010	2	1.17	42	2	102								
Z234607	10	41	0.12	40	0.84	768	12	850	2	1.25	42	2	63								
Z234608	10	41	0.24	40	0.36	521	14	680	2	1.61	42	2	58								
Z234609	10	41	0.13	40	0.38	765	23	440	6	3.06	42	1	69								
Z234610	10	41	0.17	40	0.82	848	3	380	6	1.58	42	5	91								
Z234611	10	41	0.28	40	3.45	1183	49	280	2	0.86	42	52	130								
Z234612	10	41	0.13	40	3.33	1200	47	390	2	0.17	42	80	185								
Z234613	20	41	0.33	40	3.82	1170	43	320	2	0.36	42	39	140								



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 TORONTO ON M5E 1B5

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 Account: MINIMAN

Project: NEW ALGER

CERTIFICATE OF ANALYSIS

TB11011920

Sample Description	Method Analyte Units LOR	ME-ICP-MS		ME-ICP-MS		ME-ICP-MS		ME-ICP-MS		ME-ICP-MS		ME-ICP-MS	
		Ti ppm	% DFT	Ti ppm	U ppm	V ppm	W ppm	Sn ppm	Ti ppm	U ppm	V ppm	W ppm	Sn ppm
J234574	<20	0.15	<10	<10	<10	73	<10	<10	<10	<10	<10	35	
J234575	<20	0.16	<10	<10	<10	94	<10	<10	<10	<10	<10	64	
J234576	<20	0.22	<10	<10	<10	100	<10	<10	<10	<10	<10	81	
J234577	<20	0.08	<10	<10	<10	68	<10	<10	<10	<10	<10	51	
J234578	<20	0.06	<10	<10	<10	64	<10	<10	<10	<10	<10	49	
J234579	<20	0.06	<10	<10	<10	115	<10	<10	<10	<10	<10	57	
J234580	<20	0.07	<10	<10	<10	219	<10	<10	<10	<10	<10	74	
J234581	<20	0.06	<10	<10	<10	160	<10	<10	<10	<10	<10	80	
J234582	<20	0.14	<10	<10	<10	173	<10	<10	<10	<10	<10	88	
J234583	<20	0.12	<10	<10	<10	164	<10	<10	<10	<10	<10	57	
J234584	<20	0.12	<10	<10	<10	171	<10	<10	<10	<10	<10	58	
J234585	<20	0.07	<10	<10	<10	94	<10	<10	<10	<10	<10	44	
J234586	<20	0.16	<10	<10	<10	232	<10	<10	<10	<10	<10	76	
J234587	<20	0.19	<10	<10	<10	209	<10	<10	<10	<10	<10	90	
J234588	<20	0.26	<10	<10	<10	117	<10	<10	<10	<10	<10	63	
J234589	<20	0.05	<10	<10	<10	172	<10	<10	<10	<10	<10	74	
J234590	<20	0.05	<10	<10	<10	202	<10	<10	<10	<10	<10	83	
J234591	<20	0.23	<10	<10	<10	207	<10	<10	<10	<10	<10	90	
J234592	<20	0.11	<10	<10	<10	148	<10	<10	<10	<10	<10	78	
J234593	<20	0.20	<10	<10	<10	165	<10	<10	<10	<10	<10	69	
J234594	<20	0.15	<10	<10	<10	103	<10	<10	<10	<10	<10	104	
J234595	<20	0.14	<10	<10	<10	102	<10	<10	<10	<10	<10	85	
J234596	<20	0.12	<10	<10	<10	88	<10	<10	<10	<10	<10	62	
J234597	<20	0.15	<10	<10	<10	58	<10	<10	<10	<10	<10	64	
J234598	<20	0.17	<10	<10	<10	62	<10	<10	<10	<10	<10	66	
J234599	<20	0.18	<10	<10	<10	103	<10	<10	<10	<10	<10	88	
J234600	<20	0.07	<10	<10	<10	81	<10	<10	<10	<10	<10	87	
J234601	<20	0.07	<10	<10	<10	51	<10	<10	<10	<10	<10	114	
J234602	<20	0.22	<10	<10	<10	63	<10	<10	<10	<10	<10	78	
J234603	<20	<0.01	<10	<10	<10	54	<10	<10	<10	<10	<10	68	
J234604	<20	<0.01	<10	<10	<10	47	<10	<10	<10	<10	<10	64	
J234605	<20	<0.01	<10	<10	<10	13	<10	<10	<10	<10	<10	62	
J234606	<20	<0.01	<10	<10	<10	18	<10	<10	<10	<10	<10	69	
J234607	<20	<0.01	<10	<10	<10	22	<10	<10	<10	<10	<10	57	
J234608	<20	0.23	<10	<10	<10	44	<10	<10	<10	<10	<10	57	
J234609	<20	<0.01	<10	<10	<10	8	<10	<10	<10	<10	<10	268	
J234610	<20	0.11	<10	<10	<10	43	<10	<10	<10	<10	<10	313	
J234611	<20	0.07	<10	<10	<10	295	<10	<10	<10	<10	<10	53	
J234612	<20	0.07	<10	<10	<10	284	<10	<10	<10	<10	<10	88	
J234613	<20	0.25	<10	<10	<10	257	<10	<10	<10	<10	<10	66	



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CERTIFICATE OF ANALYSIS

TB11011920

Sample Description	Method Analyte Moles LOR	Ca		Mg		K		Na		Al		Si		Fe		Mn		P		S		Cl		Br		I			
		ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%		
Z2344514		20	0.48	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344515		20	0.70	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344516		20	0.74	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344517		10	1.06	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344518		10	0.96	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344519		10	1.10	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344520		10	0.65	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344521		10	0.08	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344522		10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344523		10	0.12	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344524		10	0.53	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344525		10	0.18	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344526		10	0.98	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344527		10	0.08	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344528		10	0.70	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344529		10	0.53	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344530		10	0.98	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344531		10	0.45	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344532		10	0.11	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344533		10	0.80	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344534		10	0.20	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344535		10	0.39	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344536		10	0.67	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344537		10	0.25	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344538		10	0.80	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344539		10	0.84	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344540		10	0.97	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344541		10	0.34	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344542		10	0.20	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01
Z2344543		10	1.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01	10	0.01



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 Account: MINMAN

Project: NEW ALGER

CERTIFICATE OF ANALYSIS TB11011920

Sample Description	Method Analyte Units	ME-A041		ME-A042		ME-A043		ME-A044		ME-A045	
		To From	%	To From	%	To From	%	To From	%	To From	%
Z234614		<20	0.10	<10	<10	332		<10		32	
Z234615		<20	0.16	<10	<10	373		<10		37	
Z234616		<20	0.17	<10	<10	448		<10		101	
Z234617		<20	0.16	<10	<10	381		<10		81	
Z234618		<20	0.16	<10	<10	342		<10		81	
Z234619		<20	0.13	<10	<10	40		<10		133	
Z234620		<20	0.11	<10	<10	64		<10		153	
Z234621		<20	0.04	<10	<10	130		<10		75	
Z234622		<20	0.06	<10	<10	216		10	39	49	
Z234623		<20	0.03	<10	<10	15		20	52	52	
Z234624		<20	0.05	<10	<10	24		<10		362	
Z234625		<20	0.03	<10	<10	170		<10		327	
Z234626		<20	0.02	<10	<10	40		<10		285	
Z234627		<20	0.02	<10	<10	103		<10		73	
Z234628		<20	0.11	<10	<10	35		<10		84	
Z234629		<20	0.08	<10	<10	301		<10		30	
Z234630		<20	0.05	<10	<10	24		<10		40	
Z234631		<20	0.09	<10	<10	60		<10		65	
Z234632		<20	0.06	<10	<10	32		<10		45	
Z234633		<20	0.14	<10	<10	63		<10		60	
Z234634		<20	0.14	<10	<10	49		<10		34	
Z234635		<20	0.06	<10	<10	22		30	57	57	
Z234636		<20	0.12	<10	<10	35		<10		64	
Z234637		<20	0.04	<10	<10	45		<10		57	
Z234638		<20	0.13	<10	<10	65		<10		39	
Z234639		<20	0.15	<10	<10	63		<10		114	
Z234640		<20	0.17	<10	<10	39		<10		80	
Z234641		<20	0.13	<10	<10	34		<10		70	
Z234642		<20	0.08	<10	<10	30		10	84	84	
Z234643		<20	0.14	<10	<10	62		<10		86	



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Page: 1
 Finalized Date: 26-FEB-2011
 Account: MINIMAN

CERTIFICATE VO11018542

Project: NEW ALGER

P.O. No.:

This report is for 174 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 4-FEB-2011.

The following have access to data associated with this certificate:

MATT HOARD SQUARE NEWTON MARK WELLSHEAD

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEB-21	Received Sample Weight
LOG-22	Sample login - Rec 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-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
AU-AA29	AU 3008 FA-AA Finish	AAS
ME-ICM4.1	35 Element Aqua Regia ICP-AES	ICP-AES

To: MINROC MANAGEMENT
 ATTN: BRIAN NEWTON
 65, FRONT ST. EAST, SUITE 304
 TORONTO ON M5E 1B5

[Signature]
 Signature: Colin Ramsden, Vancouver Laboratory Manager

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



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 Total # Pages: 6 (A - C)
 Finalized Date: 28-FEB-2011
 Accounts: MINMAN

Project: NEW ALGER

CERTIFICATE OF ANALYSIS VO11018542

Method Analysis Under LOEL	Y00-33 Based % Dg	AU-A224 Au ppm 0.025	MG-K041 Ag ppm 0.2	MS-K041 Al % 0.04	MS-K041 As ppm 2	MS-K041 Ba ppm 10	MS-K041 Be ppm 0.5	MS-K041 Bi ppm 50	MS-K041 Br ppm 10	MS-K041 Ca ppm 100	MS-K041 Cd ppm 0.05	MS-K041 Ce ppm 1	MS-K041 Co ppm 1	MS-K041 Cr ppm 1	MS-K041 Cu ppm 1	MS-K041 Fe ppm 100
K234644	3.50	0.008	0.2	2.34	128	10	0.10	480	4.00	300	0.05	21	180	51	88	3.81
K234645	3.51	0.008	0.2	1.98	1420	0	0.08	410	0.00	200	0.05	12	112	4	4	2.34
K234646	2.27	0.008	0.2	3.12	525	0	0.10	410	0.00	440	0.05	23	224	12	12	3.89
K234647	2.45	0.008	0.2	1.85	85	0	0.09	410	0.00	100	0.05	19	89	48	48	3.50
K234648	3.17	0.008	0.2	3.60	16	0	0.10	480	0.00	134	0.05	28	87	57	63	4.57
K234649	3.71	0.008	0.4	3.40	10	0	0.08	480	0.00	148	0.05	35	504	65	65	4.21
K234650	3.29	0.009	0.4	3.22	8	0	0.08	480	0.00	126	0.05	27	481	72	72	4.48
K234651	3.75	0.008	0.4	3.25	7	0	0.08	480	0.00	135	0.05	27	464	68	68	4.44
K234652	3.47	0.007	0.4	3.18	18	0	0.08	480	0.00	144	0.05	28	486	68	68	4.70
K234653	3.48	0.008	0.2	1.38	18	0	0.08	480	0.00	70	0.05	19	75	45	45	3.59
K234654	3.57	0.008	0.2	2.21	23	0	0.08	480	0.00	110	0.05	25	99	71	71	3.63
K234655	3.11	0.013	0.2	2.48	67	0	0.08	480	0.00	140	0.05	25	359	60	60	4.27
K234656	3.34	0.004	0.2	2.13	23	0	0.08	480	0.00	110	0.05	23	27	76	76	3.77
K234657	0.79	0.008	0.2	2.37	21	0	0.08	480	0.00	70	0.05	22	115	57	57	3.85
K234658	3.42	0.007	0.2	2.81	28	0	0.08	480	0.00	90	0.05	28	122	59	59	4.45
K234659	3.08	0.007	0.2	2.56	46	0	0.08	480	0.00	110	0.05	25	118	50	50	4.18
K234660	3.72	0.013	0.2	2.50	19	0	0.08	480	0.00	130	0.05	22	20	89	89	3.84
K234661	3.73	0.006	0.2	2.50	19	0	0.08	480	0.00	130	0.05	22	155	54	54	4.20
K234662	3.88	0.006	0.2	3.00	83	0	0.08	480	0.00	230	0.05	38	150	41	41	4.27
K234663	3.88	0.014	0.4	4.55	18	0	0.08	480	0.00	220	0.05	35	23	23	23	8.41
K234664	3.80	0.054	0.2	4.22	11	0	0.08	480	0.00	270	0.05	34	474	101	101	6.41
K234665	1.24	0.008	0.2	2.80	15	0	0.08	480	0.00	140	0.05	1	180	1	1	3.09
K234666	3.65	0.005	0.2	2.84	286	0	0.08	480	0.00	140	0.05	21	98	73	73	3.84
K234667	3.32	0.20	0.5	1.08	5080	0	0.08	480	0.00	80	0.05	17	371	294	294	5.271
K234668	0.78	0.048	0.4	2.80	>100000	0	0.08	480	0.00	20	0.05	44	68	199	199	7.83
K234669	3.82	0.108	0.4	4.38	1180	0	0.08	480	0.00	30	0.05	42	203	186	186	3.85
K234670	0.84	0.07	0.4	1.74	6860	0	0.08	480	0.00	10	0.05	34	127	127	4.77	
K234671	3.86	0.046	0.2	4.30	1930	0	0.08	480	0.00	46	0.05	34	125	168	168	4.77
K234672	3.71	0.045	0.2	4.88	1911	0	0.08	480	0.00	200	0.05	38	182	182	7.81	
K234673	3.67	0.013	0.2	2.65	224	0	0.08	480	0.00	370	0.05	19	75	115	115	3.69
K234674	3.57	0.012	0.2	2.71	34	0	0.08	480	0.00	380	0.05	18	73	174	174	3.77
K234675	3.81	0.005	0.3	2.33	382	0	0.08	480	0.00	360	0.05	16	64	167	167	3.23
K234676	3.39	0.010	0.2	3.63	34	0	0.08	480	0.00	360	0.05	24	81	98	98	3.00
K234677	0.30	0.016	0.4	1.38	34	0	0.08	480	0.00	180	0.05	14	48	108	108	2.22
K234678	3.82	0.028	0.3	1.88	41	0	0.08	480	0.00	220	0.05	15	49	82	82	2.90
K234679	3.84	0.008	0.3	1.89	76	0	0.08	480	0.00	280	0.05	18	40	51	51	3.38
K234680	2.29	0.029	0.4	1.48	608	0	0.08	480	0.00	250	0.05	14	48	81	81	3.31
K234681	0.77	0.009	0.2	0.81	425	0	0.08	480	0.00	130	0.05	11	30	38	38	2.01
K234682	3.88	0.009	0.3	2.08	238	0	0.08	480	0.00	300	0.05	18	63	85	85	3.23
K234683	3.80	0.011	0.2	2.21	132	0	0.08	480	0.00	240	0.05	17	74	69	69	3.62



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Project: NEW ALGER

CERTIFICATE OF ANALYSIS VO11018542

Sample Description	Method Analyte Unit & LOR	ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS	
		TR ppm	%	TR ppm	%	TR ppm	%	TR ppm	%	TR ppm	%	TR ppm	%	TR ppm	%
J234844		<20	0.17	<10	<10	87	87	<10	<10	<10	<10	77	77		
J234845		<20	0.10	<10	<10	48	48	<10	<10	<10	<10	45	45		
J234846		<20	0.18	<10	<10	87	87	<10	<10	<10	<10	84	84		
J234847		<20	0.12	<10	<10	57	57	<10	<10	<10	<10	74	74		
J234848		<20	0.22	<10	<10	128	128	<10	<10	<10	<10	82	82		
J234849		<20	0.20	<10	<10	120	120	<10	<10	<10	<10	84	84		
J234850		<20	0.20	<10	<10	120	120	<10	<10	<10	<10	118	118		
J234851		<20	0.22	<10	<10	120	120	<10	<10	<10	<10	76	76		
J234852		<20	0.21	<10	<10	104	104	<10	<10	<10	<10	82	82		
J234853		<20	0.19	<10	<10	80	80	<10	<10	<10	<10	68	68		
J234854		<20	0.18	<10	<10	41	41	<10	<10	<10	<10	30	30		
J234855		<20	0.18	<10	<10	86	86	<10	<10	<10	<10	73	73		
J234856		<20	0.10	<10	<10	25	25	<10	<10	<10	<10	71	71		
J234857		<20	0.11	<10	<10	51	51	<10	<10	<10	<10	77	77		
J234858		<20	0.12	<10	<10	50	50	<10	<10	<10	<10	90	90		
J234859		<20	0.12	<10	<10	50	50	<10	<10	<10	<10	80	80		
J234860		<20	0.07	<10	<10	32	32	<10	<10	<10	<10	74	74		
J234861		<20	0.18	<10	<10	76	76	<10	<10	<10	<10	73	73		
J234862		<20	0.18	<10	<10	102	102	<10	<10	<10	<10	86	86		
J234863		<20	0.18	<10	<10	80	80	<10	<10	<10	<10	119	119		
J234864		<20	0.22	<10	<10	104	104	<10	<10	<10	<10	65	65		
J234865		<20	0.11	<10	<10	81	81	<10	<10	<10	<10	82	82		
J234866		<20	0.15	<10	<10	52	52	<10	<10	<10	<10	74	74		
J234867		<20	0.02	<10	<10	36	36	<10	<10	<10	<10	86	86		
J234868		<20	0.02	<10	<10	110	110	<10	<10	<10	<10	88	88		
J234869		<20	0.12	<10	<10	178	178	<10	<10	<10	<10	76	76		
J234870		<20	0.05	<10	<10	132	132	<10	<10	<10	<10	46	46		
J234871		<20	0.10	<10	<10	264	264	<10	<10	<10	<10	70	70		
J234872		<20	0.14	<10	<10	204	204	<10	<10	<10	<10	80	80		
J234873		<20	0.04	<10	<10	133	133	<10	<10	<10	<10	54	54		
J234874		<20	0.27	<10	<10	128	128	<10	<10	<10	<10	40	40		
J234875		<20	0.25	<10	<10	100	100	<10	<10	<10	<10	68	68		
J234876		<20	0.31	<10	<10	280	280	<10	<10	<10	<10	82	82		
J234877		<20	0.28	<10	<10	77	77	<10	<10	<10	<10	58	58		
J234878		<20	0.28	<10	<10	78	78	<10	<10	<10	<10	51	51		
J234879		<20	0.25	<10	<10	44	44	<10	<10	<10	<10	60	60		
J234880		<20	0.17	<10	<10	76	76	<10	<10	<10	<10	57	57		
J234881		<20	0.09	<10	<10	24	24	<10	<10	<10	<10	24	24		
J234882		<20	0.21	<10	<10	102	102	<10	<10	<10	<10	64	64		
J234883		<20	0.21	<10	<10	124	124	<10	<10	<10	<10	68	68		



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CERTIFICATE OF ANALYSIS VO11018542

Sample Description	Method Analytical Technique Used	REPT		PREP		WEIGHT		CONCENTRATION		CALCULATED		REMARKS	
		NO	DATE	NO	DATE	MG	KG	PPM	PERCENT	MG	KG	PPM	PERCENT
J234684		3.74	0.072	0.3	0.012	305	414	<0.5	<0.5	3.44	0.071	32	3.35
J234685		2.17	0.018	0.3	0.018	149	10	<0.5	<0.5	3.47	0.071	35	3.30
J234686		3.25	0.180	0.3	0.180	7	<0.5	<0.5	<0.5	3.25	0.071	36	3.72
J234687		3.45	0.282	1.3	1.44	1360	<0.5	<0.5	<0.5	3.27	0.071	34	3.78
J234688		2.14	0.284	0.8	1.83	88	<0.5	<0.5	<0.5	3.18	0.071	30	3.19
J234689		3.27	0.127	1.2	1.85	414	<0.5	<0.5	<0.5	4.01	0.071	38	3.80
J234690		3.62	0.428	1.2	1.83	443	<0.5	<0.5	<0.5	4.07	0.071	43	3.42
J234691		3.77	0.378	0.7	1.88	3070	<0.5	<0.5	<0.5	3.21	0.071	36	3.60
J234692		2.14	0.411	0.8	0.45	3000	<0.5	<0.5	<0.5	2.27	0.071	14	2.70
J234693		3.32	2.38	0.8	2.15	1872	<0.5	<0.5	<0.5	4.18	0.071	19	2.9
J234694		1.51	0.221	0.8	2.09	155	<0.5	<0.5	<0.5	3.07	0.071	23	3.71
J234695		1.37	1.148	0.3	1.39	>10000	<0.5	<0.5	<0.5	3.68	0.071	23	3.42
J234696		4.00	3.44	0.3	3.89	>10000	<0.5	<0.5	<0.5	3.78	0.071	33	2.79
J234697		2.79	5.58	1.1	2.82	>10000	<0.5	<0.5	<0.5	5.58	0.071	6	1.10
J234698		3.89	0.021	0.2	4.45	104	<0.5	<0.5	<0.5	5.47	0.071	12	3.40
J234699		3.18	0.189	<0.2	4.28	279	<0.5	<0.5	<0.5	4.88	0.071	38	3.84
J234700		3.38	0.078	0.3	4.31	36	<0.5	<0.5	<0.5	4.16	0.071	32	3.28
J234701		3.01	0.113	0.3	4.23	484	<0.5	<0.5	<0.5	5.82	0.071	21	7.43
J234702		2.80	0.685	0.5	3.63	3150	<0.5	<0.5	<0.5	3.23	0.071	28	1.67
J234703		3.24	0.087	0.5	0.72	614	<0.5	<0.5	<0.5	2.80	0.071	18	6
J234704		3.40	0.022	0.8	3.29	231	<0.5	<0.5	<0.5	6.78	0.071	38	1.22
J234705		3.46	0.086	0.2	3.81	1230	<0.5	<0.5	<0.5	6.60	0.071	41	2.21
J234706		3.78	4.05	0.6	2.84	7450	<0.5	<0.5	<0.5	7.21	0.071	39	183
J234707		3.58	4.45	0.2	2.77	5670	<0.5	<0.5	<0.5	6.43	0.071	41	151
J234708		4.04	0.480	<0.2	3.61	2250	<0.5	<0.5	<0.5	5.02	0.071	48	122
J234709		1.20	0.065	0.8	0.91	180	<0.5	<0.5	<0.5	1.57	0.071	30	30
J234710		3.89	0.256	0.5	2.89	1250	<0.5	<0.5	<0.5	4.85	0.071	26	475
J234711		3.40	0.065	<0.2	2.84	22	<0.5	<0.5	<0.5	1.06	0.071	18	105
J234712		3.28	<0.001	<0.2	2.86	13	<0.5	<0.5	<0.5	0.87	0.071	20	123
J234713		3.68	<0.001	<0.2	2.88	14	<0.5	<0.5	<0.5	0.86	0.071	20	114
J234714		3.57	0.063	<0.2	2.10	15	<0.5	<0.5	<0.5	1.81	0.071	20	332
J234715		3.26	0.010	<0.2	2.87	27	<0.5	<0.5	<0.5	0.30	0.071	24	109
J234716		3.84	0.068	<0.2	2.14	17	<0.5	<0.5	<0.5	0.34	0.071	22	80
J234717		3.41	0.008	<0.2	2.20	18	<0.5	<0.5	<0.5	0.28	0.071	21	84
J234718		3.74	0.007	0.2	2.28	28	<0.5	<0.5	<0.5	0.28	0.071	23	94
J234719		0.83	<0.005	<0.2	3.85	182	<0.5	<0.5	<0.5	3.29	0.071	28	484
J234720		3.29	0.268	<0.2	4.21	132	<0.5	<0.5	<0.5	4.57	0.071	32	581
J234721		0.87	0.007	0.3	3.53	25	<0.5	<0.5	<0.5	4.61	0.071	34	449
J234722		3.21	0.005	<0.2	3.83	40	<0.5	<0.5	<0.5	2.18	0.071	29	528
J234723		3.20	0.007	<0.2	4.23	36	<0.5	<0.5	<0.5	2.32	0.071	31	435



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Sample Description	Method Analysis Units LOI	Moisture		Loss on Ignition		Total Solids		Total Solids		Total Solids		Total Solids		Total Solids		Total Solids		Total Solids		Total Solids	
		Moisture	Loss on Ignition	Total Solids	Total Solids	Total Solids	Total Solids	Total Solids	Total Solids	Total Solids	Total Solids	Total Solids	Total Solids	Total Solids	Total Solids	Total Solids	Total Solids	Total Solids	Total Solids	Total Solids	Total Solids
Z234684	10	41	0.71	20	1.39	411	1320	48	10	0.07	2	2	0.16	8	20	20	20	20	20	20	20
Z234685	10	41	1.05	20	1.30	814	1470	40	10	0.06	2	2	0.22	7	40	40	40	40	40	40	40
Z234686	10	41	1.58	30	1.45	950	1410	48	10	0.04	2	2	1.25	6	51	51	51	51	51	51	51
Z234687	10	41	0.75	30	1.44	832	1380	48	10	0.06	2	2	1.57	7	58	58	58	58	58	58	58
Z234688	10	41	0.83	20	1.39	591	1470	35	10	0.04	2	2	1.27	7	147	147	147	147	147	147	147
Z234689	10	41	0.81	20	1.45	694	1300	44	10	0.04	2	2	0.57	8	68	68	68	68	68	68	68
Z234690	10	41	0.57	20	1.42	712	1060	48	10	0.03	2	2	1.04	6	100	100	100	100	100	100	100
Z234691	10	41	0.83	20	1.35	814	1100	47	10	0.03	2	2	1.27	8	84	84	84	84	84	84	84
Z234692	10	41	0.13	20	0.39	275	340	17	10	0.01	2	2	0.70	1	38	38	38	38	38	38	38
Z234693	10	41	0.24	20	1.55	789	470	18	10	0.04	2	2	0.75	8	68	68	68	68	68	68	68
Z234694	10	41	0.54	20	1.83	1160	390	18	10	0.07	2	2	0.52	10	39	39	39	39	39	39	39
Z234695	10	41	0.59	20	1.08	794	465	26	10	0.05	2	2	1.35	6	68	68	68	68	68	68	68
Z234696	10	41	0.48	20	3.51	1340	720	39	10	0.02	2	2	2.18	9	179	179	179	179	179	179	179
Z234697	10	41	0.78	20	2.35	1300	210	23	10	0.03	2	2	2.84	7	32	32	32	32	32	32	32
Z234698	20	41	0.54	20	2.80	1345	440	28	10	0.01	2	2	0.28	2	39	39	39	39	39	39	39
Z234699	10	41	0.20	20	3.07	888	250	47	10	0.01	2	2	0.40	18	69	69	69	69	69	69	69
Z234700	10	41	0.06	20	3.25	904	210	45	10	0.01	2	2	0.02	20	56	56	56	56	56	56	56
Z234701	10	41	0.06	20	2.71	823	405	27	10	0.01	2	2	0.47	2	28	28	28	28	28	28	28
Z234702	10	41	0.07	20	2.88	948	365	30	10	0.02	2	2	1.89	3	20	20	20	20	20	20	20
Z234703	10	41	0.18	20	0.43	390	310	49	10	0.02	2	2	1.80	3	20	20	20	20	20	20	20
Z234704	10	41	0.06	20	2.48	1380	270	38	10	0.02	2	2	0.79	20	55	55	55	55	55	55	55
Z234705	10	41	0.06	20	2.78	1350	200	37	10	0.02	2	2	0.28	3	25	25	25	25	25	25	25
Z234706	10	41	0.18	20	2.17	1320	260	34	10	0.02	2	2	1.88	4	16	16	16	16	16	16	16
Z234707	10	41	0.19	20	2.49	1700	280	79	10	0.01	2	2	1.84	24	69	69	69	69	69	69	69
Z234708	10	41	0.06	20	2.51	1460	350	78	10	0.01	2	2	0.65	31	49	49	49	49	49	49	49
Z234709	10	41	0.22	20	3.82	313	540	88	10	0.02	2	2	3.33	2	28	28	28	28	28	28	28
Z234710	10	41	0.35	20	3.96	1910	480	136	10	0.02	2	2	0.70	4	12	12	12	12	12	12	12
Z234711	10	41	0.28	20	1.51	364	610	78	10	0.06	2	2	0.11	8	38	38	38	38	38	38	38
Z234712	10	41	0.31	20	1.53	374	550	67	10	0.05	2	2	0.13	6	32	32	32	32	32	32	32
Z234713	10	41	0.40	20	1.48	364	570	68	10	0.05	2	2	0.11	7	27	27	27	27	27	27	27
Z234714	10	41	0.41	20	2.23	448	650	110	10	0.03	2	2	0.14	8	70	70	70	70	70	70	70
Z234715	10	41	0.20	20	1.72	403	680	82	10	0.03	2	2	0.20	6	10	10	10	10	10	10	10
Z234716	10	41	0.27	20	1.81	392	540	66	10	0.03	2	2	0.28	6	10	10	10	10	10	10	10
Z234717	10	41	0.48	20	1.50	413	390	79	10	0.03	2	2	0.17	8	11	11	11	11	11	11	11
Z234718	10	41	0.34	20	1.59	397	610	63	10	0.03	2	2	0.18	4	14	14	14	14	14	14	14
Z234719	10	41	0.50	20	3.41	913	650	104	10	0.03	2	2	3.04	7	19	19	19	19	19	19	19
Z234720	20	41	1.53	20	3.85	749	1040	74	10	0.04	2	2	0.02	4	4	4	4	4	4	4	4
Z234721	10	41	1.85	20	3.13	964	830	131	10	0.04	2	2	0.18	15	144	144	144	144	144	144	144
Z234722	10	41	1.48	20	0.55	872	840	188	10	0.04	2	2	0.15	4	17	17	17	17	17	17	17
Z234723	20	41	1.13	20	4.01	783	1070	191	10	0.05	2	2	0.18	4	42	42	42	42	42	42	42



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Project: NEW ALGER

CERTIFICATE OF ANALYSIS VO11018542

Sample Description	Method Analysis Units LOEL	ME-ICM-41		ME-ICM-42		ME-ICM-43		ME-ICM-44		ME-ICM-45		ME-ICM-46		ME-ICM-47		ME-ICM-48		ME-ICM-49		ME-ICM-50	
		Th ppm	U %	Th ppm	U %	Th ppm	U %	Th ppm	U %	Th ppm	U %	Th ppm	U %	Th ppm	U %	Th ppm	U %	Th ppm	U %	Th ppm	U %
Z234684		<20	0.20	<10	<10	112	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234685		<20	0.48	<10	<10	32	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234686		<20	0.44	<10	<10	85	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234687		<20	0.05	<10	<10	34	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234688		<20	0.09	<10	<10	64	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234689		<20	0.15	<10	<10	28	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234690		<20	0.67	<10	<10	62	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234691		<20	0.30	<10	<10	68	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234692		<20	0.04	<10	<10	10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234693		<20	0.12	<10	<10	63	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234694		<20	0.11	<10	<10	524	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234695		<20	0.05	<10	<10	58	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234696		<20	0.18	<10	<10	225	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234697		<20	0.10	<10	<10	200	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234698		<20	0.08	<10	<10	578	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234699		<20	0.10	<10	<10	184	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234700		<20	0.09	<10	<10	181	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234701		<20	0.21	<10	<10	258	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234702		<20	0.07	<10	<10	204	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234703		<20	0.08	<10	<10	13	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234704		<20	0.08	<10	<10	164	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234705		<20	0.08	<10	<10	181	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234706		<20	0.03	<10	<10	125	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234707		<20	0.44	<10	<10	184	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234708		<20	0.16	<10	<10	210	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234709		<20	0.05	<10	<10	18	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234710		<20	0.04	<10	<10	90	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234711		<20	0.13	<10	<10	81	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234712		<20	0.18	<10	<10	92	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234713		<20	0.14	<10	<10	66	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234714		<20	0.10	<10	<10	89	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234715		<20	0.15	<10	<10	30	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234716		<20	0.16	<10	<10	38	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234717		<20	0.11	<10	<10	49	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234718		<20	0.11	<10	<10	48	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234719		<20	0.14	<10	<10	105	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234720		<20	0.22	<10	<10	142	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234721		<20	0.22	<10	<10	127	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234722		<20	0.22	<10	<10	142	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z234723		<20	0.22	<10	<10	132	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10



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Projects: NEW ALGER

CERTIFICATE OF ANALYSIS VO11018542

Sample Description	Method Analyzed	Units	LOR	MEASUREMENT		RECOVERY		PRECISION		ACCURACY		REMARKS
				Value	Units	Value	Units	Value	Units	Value	Units	
1234724	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	4.09
1234725	As	ppm	0.005	0.3	0.005	0.3	0.005	0.3	0.005	0.3	0.01	4.18
1234726	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234727	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.73
1234728	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	4.10
1234729	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234730	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234731	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234732	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234733	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234734	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234735	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234736	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234737	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234738	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234739	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234740	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234741	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234742	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234743	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234744	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234745	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234746	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234747	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234748	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234749	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234750	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234751	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234752	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234753	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234754	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234755	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234756	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234757	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234758	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234759	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234760	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234761	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234762	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82
1234763	As	ppm	0.005	0.2	0.005	0.2	0.005	0.2	0.005	0.2	0.01	3.82

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Project: NEW ALGER

CERTIFICATE OF ANALYSIS VO11018542

Method Analyte Units LOEL	62-1003 ppm	ME-1004 %	ME-1004 %	ME-1004 ppm	ME-1004 %	ME-1004 ppm	ME-1004 %	ME-1004 ppm	ME-1004 %	ME-1004 ppm	ME-1004 %	ME-1004 ppm	ME-1004 %	ME-1004 ppm	ME-1004 %	ME-1004 ppm	ME-1004 %	ME-1004 ppm	ME-1004 %	
Z234724	10	<1	1.55	20	0.60	128	0.43	350	0.17	17	0.17	4	0.17	4	0.17	17	0.17	4	0.17	4
Z234725	10	<1	0.84	20	2.35	535	0.42	550	0.55	4	0.55	4	0.55	4	0.55	4	0.55	4	0.55	4
Z234726	10	<1	0.70	20	1.47	333	0.63	376	0.79	2	0.79	2	0.79	2	0.79	2	0.79	2	0.79	2
Z234727	10	<1	0.16	20	1.59	360	0.13	580	0.19	4	0.19	4	0.19	4	0.19	4	0.19	4	0.19	4
Z234728	10	<1	0.62	20	1.59	462	0.14	700	0.21	4	0.21	4	0.21	4	0.21	4	0.21	4	0.21	4
Z234729	<10	<1	0.69	10	0.69	163	0.63	160	0.67	4	0.67	4	0.67	4	0.67	4	0.67	4	0.67	4
Z234730	10	<1	0.88	20	1.02	167	0.85	590	0.48	4	0.48	4	0.48	4	0.48	4	0.48	4	0.48	4
Z234731	10	<1	0.22	20	1.75	823	0.16	1060	0.12	4	0.12	4	0.12	4	0.12	4	0.12	4	0.12	4
Z234732	10	<1	0.27	20	2.48	764	0.22	1960	0.10	4	0.10	4	0.10	4	0.10	4	0.10	4	0.10	4
Z234733	<10	<1	0.46	10	1.23	638	0.42	970	0.52	4	0.52	4	0.52	4	0.52	4	0.52	4	0.52	4
Z234734	10	<1	0.34	20	1.23	903	0.34	300	0.33	2	0.33	2	0.33	2	0.33	2	0.33	2	0.33	2
Z234735	10	<1	0.68	20	1.83	821	0.67	360	0.71	3	0.71	3	0.71	3	0.71	3	0.71	3	0.71	3
Z234736	10	<1	0.45	20	1.32	574	0.45	1500	0.28	3	0.28	3	0.28	3	0.28	3	0.28	3	0.28	3
Z234737	<10	<1	0.07	10	0.62	333	0.08	700	0.09	4	0.09	4	0.09	4	0.09	4	0.09	4	0.09	4
Z234738	<10	<1	0.23	10	1.35	820	0.26	1300	1.14	4	1.14	4	1.14	4	1.14	4	1.14	4	1.14	4
Z234739	10	<1	0.67	20	1.40	427	0.65	1510	0.20	3	0.20	3	0.20	3	0.20	3	0.20	3	0.20	3
Z234740	10	<1	0.37	20	1.61	482	0.37	1400	0.10	4	0.10	4	0.10	4	0.10	4	0.10	4	0.10	4
Z234741	10	<1	0.17	20	1.52	531	0.17	1300	0.07	3	0.07	3	0.07	3	0.07	3	0.07	3	0.07	3
Z234742	10	<1	0.31	20	1.90	478	0.36	1370	0.13	3	0.13	3	0.13	3	0.13	3	0.13	3	0.13	3
Z234743	10	<1	0.54	20	1.69	515	0.52	1410	0.38	3	0.38	3	0.38	3	0.38	3	0.38	3	0.38	3
Z234744	<10	<1	0.45	10	1.67	452	0.48	1450	1.60	4	1.60	4	1.60	4	1.60	4	1.60	4	1.60	4
Z234745	10	<1	0.36	20	1.65	543	0.36	1300	0.62	3	0.62	3	0.62	3	0.62	3	0.62	3	0.62	3
Z234746	10	<1	0.45	20	1.54	572	0.45	1320	0.81	4	0.81	4	0.81	4	0.81	4	0.81	4	0.81	4
Z234747	10	<1	0.31	20	1.63	453	0.36	1460	0.67	2	0.67	2	0.67	2	0.67	2	0.67	2	0.67	2
Z234748	10	<1	0.38	20	1.44	628	0.38	1340	0.47	3	0.47	3	0.47	3	0.47	3	0.47	3	0.47	3
Z234749	10	<1	0.25	20	1.80	682	0.24	1390	0.28	2	0.28	2	0.28	2	0.28	2	0.28	2	0.28	2
Z234750	<10	<1	0.28	10	1.25	701	0.24	1350	1.21	4	1.21	4	1.21	4	1.21	4	1.21	4	1.21	4
Z234751	<10	<1	0.23	10	1.14	600	0.22	1320	0.82	2	0.82	2	0.82	2	0.82	2	0.82	2	0.82	2
Z234752	10	<1	0.19	10	1.60	752	0.19	1360	0.92	2	0.92	2	0.92	2	0.92	2	0.92	2	0.92	2
Z234753	10	<1	0.15	10	1.72	603	0.16	1320	0.41	3	0.41	3	0.41	3	0.41	3	0.41	3	0.41	3
Z234754	10	<1	0.15	10	1.65	786	0.14	1350	0.82	4	0.82	4	0.82	4	0.82	4	0.82	4	0.82	4
Z234755	10	<1	0.91	20	1.67	640	0.95	1570	1.26	4	1.26	4	1.26	4	1.26	4	1.26	4	1.26	4
Z234756	<10	<1	0.24	10	1.25	790	0.24	1380	2.18	3	2.18	3	2.18	3	2.18	3	2.18	3	2.18	3
Z234757	10	<1	0.31	10	1.83	748	0.31	1180	0.51	6	0.51	6	0.51	6	0.51	6	0.51	6	0.51	6
Z234758	<10	<1	0.37	<10	0.88	683	0.37	1300	2.37	3	2.37	3	2.37	3	2.37	3	2.37	3	2.37	3
Z234759	10	<1	2.08	10	3.34	1110	2.08	200	1.85	3	1.85	3	1.85	3	1.85	3	1.85	3	1.85	3
Z234760	10	<1	0.96	<10	3.38	1380	0.96	330	3.25	11	3.25	11	3.25	11	3.25	11	3.25	11	3.25	11
Z234761	20	<1	0.20	<10	3.08	1140	0.22	450	0.22	4	0.22	4	0.22	4	0.22	4	0.22	4	0.22	4
Z234762	20	<1	0.15	<10	4.13	968	0.15	390	0.24	4	0.24	4	0.24	4	0.24	4	0.24	4	0.24	4
Z234763	10	<1	0.26	<10	4.27	1075	0.26	230	0.41	2	0.41	2	0.41	2	0.41	2	0.41	2	0.41	2



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CERTIFICATE OF ANALYSIS VO11018542

Sample Description	Method Analysis Units LOQ	ME-ICM4		ME-ICM1		ME-ICM4		ME-ICM1		ME-ICM4		ME-ICM1	
		7a	7b	7c	7d	7e	7f	7g	7h	7i	7j	7k	7l
1234724		<20	0.20	<10	<10	137	<10	<10	<10	<10	<10	78	78
1234725		<20	0.10	<10	<10	46	10	74	<10	<10	<10	74	74
1234726		<20	0.11	<10	<10	37	<10	<10	<10	<10	<10	87	87
1234727		<20	0.10	<10	<10	46	<10	74	<10	<10	<10	74	74
1234728		<20	0.14	<10	<10	61	<10	<10	<10	<10	<10	85	85
1234729		<20	0.04	<10	<10	21	<10	<10	<10	<10	<10	27	27
1234730		<20	0.15	<10	<10	37	<10	56	<10	<10	<10	56	56
1234731		<20	0.12	<10	<10	173	<10	148	<10	<10	<10	148	148
1234732		<20	0.10	<10	<10	46	<10	75	<10	<10	<10	75	75
1234733		<20	0.07	<10	<10	42	<10	47	<10	<10	<10	47	47
1234734		<20	0.13	<10	<10	78	<10	555	<10	<10	<10	555	555
1234735		<20	0.18	<10	<10	88	<10	90	<10	<10	<10	90	90
1234736		<20	0.11	<10	<10	89	<10	88	<10	<10	<10	88	88
1234737		<20	<0.01	<10	<10	9	100	27	100	27	100	27	27
1234738		<20	0.05	<10	<10	31	1070	54	1070	54	1070	54	54
1234739		<20	0.16	<10	<10	38	10	62	<10	<10	<10	62	62
1234740		<20	0.10	<10	<10	108	<10	68	<10	<10	<10	68	68
1234741		<20	0.05	<10	<10	85	<10	62	<10	<10	<10	62	62
1234742		<20	0.12	<10	<10	103	<10	70	<10	<10	<10	70	70
1234743		<20	0.09	<10	<10	84	<10	64	<10	<10	<10	64	64
1234744		<20	0.04	<10	<10	46	<10	67	<10	<10	<10	67	67
1234745		<20	0.09	<10	<10	76	<10	85	<10	<10	<10	85	85
1234746		<20	0.07	<10	<10	69	<10	81	<10	<10	<10	81	81
1234747		<20	0.12	<10	<10	81	<10	74	<10	<10	<10	74	74
1234748		<20	0.05	<10	<10	83	<10	89	<10	<10	<10	89	89
1234749		<20	0.08	<10	<10	32	<10	87	<10	<10	<10	87	87
1234750		<20	0.04	<10	<10	30	140	45	140	45	140	45	45
1234751		<20	0.01	<10	<10	31	<10	48	<10	<10	<10	48	48
1234752		<20	0.02	<10	<10	44	<10	35	<10	<10	<10	35	35
1234753		<20	0.03	<10	<10	70	<10	60	<10	<10	<10	60	60
1234754		<20	0.01	<10	<10	32	<10	49	<10	<10	<10	49	49
1234755		<20	0.17	<10	<10	84	<10	75	<10	<10	<10	75	75
1234756		<20	0.14	<10	<10	93	<10	804	<10	<10	<10	804	804
1234757		<20	0.09	<10	<10	65	<10	108	<10	<10	<10	108	108
1234758		<20	0.02	<10	<10	54	<10	75	<10	<10	<10	75	75
1234759		<20	0.23	<10	<10	173	<10	79	<10	<10	<10	79	79
1234760		<20	0.12	<10	<10	234	<10	20	<10	<10	<10	20	20
1234761		<20	0.10	<10	<10	355	<10	65	<10	<10	<10	65	65
1234762		<20	0.09	<10	<10	345	<10	77	<10	<10	<10	77	77
1234763		<20	0.15	<10	<10	213	<10	75	<10	<10	<10	75	75



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Project: NEW ALGER

CERTIFICATE OF ANALYSIS VO11018542

Sample Description	Method Analysis Units LDR	ALS-ANALYZE		MICROANAL		MICROANAL		MICROANAL		MICROANAL		MICROANAL		MICROANAL		MICROANAL		MICROANAL		MICROANAL		MICROANAL		
		Wt %	ppm	Wt %	ppm	Wt %	ppm	Wt %	ppm	Wt %	ppm	Wt %	ppm	Wt %	ppm	Wt %	ppm	Wt %	ppm	Wt %	ppm	Wt %	ppm	
Z2347754		1.44	0.007	0.4	1.23	7250	<10	20	<0.3	3.93	<2	21	<0.3	27	485	4.09								
Z2347755		2.50	0.010	<0.2	4.81	87	<10	<10	<0.3	0.45	<2	48	<0.3	48	103	7.24								
Z2347756		2.05	0.014	<0.2	2.23	27	<10	90	<0.3	1.26	<2	22	<0.3	22	106	3.71								
Z2347757		2.46	0.013	0.6	1.89	36	<10	70	<0.3	2.82	<2	20	<0.3	20	23	47	3.23							
Z2347758		1.35	<0.005	0.2	3.39	23	<10	30	<0.3	2.58	<2	31	<0.3	31	56	4.78								
Z2347759		3.70	0.008	0.5	4.27	68	<10	640	<0.3	6.40	<2	34	<0.3	34	189	7.0	8.57							
Z2347760		3.51	0.005	0.4	5.22	2840	<10	440	<0.3	4.40	<2	28	<0.3	28	144	9.87								
Z2347771		3.49	0.003	0.3	4.80	43	<10	540	<0.3	5.40	<2	3	<0.3	3	43	10.05								
Z2347772		1.54	0.008	0.4	3.98	87	<10	460	<0.3	4.60	<2	12	<0.3	12	101	8.83								
Z2347773		1.54	0.008	0.4	2.58	87	<10	90	<0.3	4.90	<2	19	<0.3	19	261	3.13								
Z2347774		3.46	0.007	0.3	3.21	401	<10	20	<0.3	3.88	<2	42	<0.3	42	180	21	3.62							
Z2347775		3.65	0.007	0.6	3.74	1620	<10	200	<0.3	2.29	<2	2	<0.3	2	814	28	4.74							
Z2347776		3.32	<0.005	0.4	4.85	2850	<10	80	<0.3	1.4	<2	44	<0.3	44	116	324	10.15							
Z2347777		3.22	<0.005	0.4	4.85	190	<10	700	<0.3	4.47	<2	43	<0.3	43	222	96	7.18							
Z2347778		3.40	0.008	0.2	3.18	3	<10	<10	<0.3	4.23	<2	20	<0.3	20	110	42	4.67							
Z2347779		3.08	0.008	<0.2	3.42	10	<10	90	<0.3	3.08	<2	27	<0.3	27	120	61	4.67							
Z2347780		3.26	0.014	0.2	3.25	6	<10	70	<0.3	2.78	<2	23	<0.3	23	180	72	3.85							
Z2347781		3.98	0.011	<0.2	3.28	43	<10	170	<0.3	3.48	<2	26	<0.3	26	170	81	4.16							
Z2347782		3.99	0.014	0.2	3.25	60	<10	160	<0.3	3.38	<2	23	<0.3	23	184	81	4.16							
Z2347783		4.10	0.007	0.3	3.15	70	<10	90	<0.3	3.82	<2	23	<0.3	23	161	64	4.08							
Z2347784		3.45	0.002	0.2	3.24	342	<10	70	<0.3	4.28	<2	25	<0.3	25	145	78	4.26							
Z2347785		3.23	0.006	0.2	3.20	110	<10	90	<0.3	4.83	<2	23	<0.3	23	187	43	3.83							
Z2347786		3.80	<0.005	0.3	3.20	42	<10	90	<0.3	2.87	<2	24	<0.3	24	150	50	4.12							
Z2347787		2.73	0.006	0.2	2.98	484	<10	40	<0.3	4.47	<2	23	<0.3	23	181	60	3.86							
Z2347788		1.14	0.005	0.2	2.26	4880	<10	30	<0.3	6.04	<2	26	<0.3	26	177	48	3.93							
Z2347789		1.07	0.005	<0.2	2.23	2690	<10	30	<0.3	6.41	<2	23	<0.3	23	80	45	3.57							
Z2347790		3.82	0.008	0.3	3.17	227	<10	40	<0.3	4.03	<2	20	<0.3	20	148	78	4.59							
Z2347791		3.11	0.007	0.2	3.24	46	<10	20	<0.3	3.64	<2	22	<0.3	22	138	68	4.30							
Z2347792		0.48	0.005	0.2	3.31	49	<10	40	<0.3	3.48	<2	23	<0.3	23	138	65	4.32							
Z2347793		2.89	0.007	<0.2	2.21	41	<10	30	<0.3	4.28	<2	23	<0.3	23	143	48	4.48							
Z2347794		0.88	0.005	0.2	3.05	37	<10	40	<0.3	3.05	<2	23	<0.3	23	115	87	4.65							
Z2347795		3.42	0.007	0.2	1.09	793	<10	70	<0.3	3.69	<2	24	<0.3	24	69	79	4.21							
Z2347796		3.77	1.086	0.3	6.40	630	<10	40	<0.3	3.78	<2	14	<0.3	14	37	86	2.89							
Z2347797		3.41	0.008	0.2	3.89	834	<10	30	<0.3	3.88	<2	31	<0.3	31	61	31	3.10							
Z2347798		3.28	0.015	<0.2	1.82	353	<10	40	<0.3	3.90	<2	19	<0.3	19	53	33	2.84							
Z2347799		3.30	0.004	0.3	1.81	2430	<10	40	<0.3	3.74	<2	15	<0.3	15	47	32	3.07							
Z2348000		3.80	0.008	1.2	1.56	8650	<10	80	<0.3	4.18	<2	18	<0.3	18	38	65	3.10							
Z2348001		3.21	0.008	0.2	1.94	1220	<10	80	<0.3	3.11	<2	18	<0.3	18	49	41	3.87							
Z2348002		2.88	0.008	<0.2	1.38	384	<10	150	<0.3	4.25	<2	14	<0.3	14	41	55	2.99							
Z2348003		1.81	0.019	0.2	1.31	1660	<10	110	<0.3	3.84	<2	11	<0.3	11	41	62	2.63							



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Project: NEW ALGER

CERTIFICATE OF ANALYSIS VO11018542

Sample Description	Method Analyte Matrix LOD	MS-DVT		MS-DVT		MS-DVT		MS-DVT		MS-DVT		MS-DVT		MS-DVT		MS-DVT		MS-DVT
		g	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	
Z234764		10	<1	0.10	1.58	791	0.02	23	1.88	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234766		10	<1	0.01	3.40	2830	0.02	148	0.07	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234767		10	<1	0.01	1.50	488	0.02	82	0.27	3	0.01	3	0.01	3	0.01	3	0.01	1
Z234768		10	<1	0.01	1.20	489	0.02	78	0.23	3	0.01	3	0.01	3	0.01	3	0.01	1
Z234769		20	<1	0.01	3.23	388	0.02	114	0.62	4	0.01	4	0.01	4	0.01	4	0.01	1
Z234770		20	<1	0.01	3.83	1188	0.04	93	0.37	4	0.01	4	0.01	4	0.01	4	0.01	1
Z234771		20	<1	0.01	3.82	1180	0.04	84	0.31	4	0.01	4	0.01	4	0.01	4	0.01	1
Z234772		20	<1	0.01	2.85	1285	0.03	17	0.25	4	0.01	4	0.01	4	0.01	4	0.01	1
Z234773		10	<1	0.01	2.92	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234774		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234775		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234776		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234777		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234778		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234779		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234780		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234781		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234782		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234783		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234784		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234785		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234786		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234787		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234788		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234789		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234790		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234791		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234792		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234793		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234794		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234795		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234796		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234797		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234798		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234799		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234800		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234801		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234802		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1
Z234803		10	<1	0.01	3.82	778	0.02	124	0.41	2	0.01	2	0.01	2	0.01	2	0.01	1



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Project: NEW ALGER

CERTIFICATE OF ANALYSIS VO11018542

Sample Description	Method Analyte Units LOR	MC-JDM41		ME-JDM41		MF-JDM41		MG-JDM41		MH-JDM41		MI-JDM41		MJ-JDM41		MK-JDM41	
		Th	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm
Z334784		<20	0.03		<10		87		<10		<10		<10		48		
Z334785		<20	0.11		<10		108		<10		<10		<10		78		
Z334786		<20	0.12		<10		42		<10		<10		<10		85		
Z334787		<20	0.09		<10		25		<10		<10		<10		73		
Z334788		<20	0.03		<10		133		<10		<10		<10		119		
Z334789		<20	0.13		<10		228		<10		<10		<10		85		
Z334790		<20	0.18		<10		426		<10		<10		<10		144		
Z334791		<20	0.27		<10		436		<10		<10		<10		137		
Z334792		<20	0.26		<10		436		<10		<10		<10		168		
Z334793		<20	0.07		<10		73		<10		<10		<10		46		
Z334794		<20	0.05		<10		79		<10		<10		<10		48		
Z334795		<20	0.08		<10		156		<10		<10		<10		85		
Z334796		<20	0.28		<10		423		<10		<10		<10		101		
Z334797		<20	0.23		<10		267		<10		<10		<10		84		
Z334798		<20	0.19		<10		91		<10		<10		<10		58		
Z334799		<20	0.23		<10		128		<10		<10		<10		78		
Z334800		<20	0.28		<10		154		<10		<10		<10		84		
Z334801		<20	0.32		<10		184		<10		<10		<10		87		
Z334802		<20	0.22		<10		138		<10		<10		<10		60		
Z334803		<20	0.16		<10		129		<10		<10		<10		83		
Z334804		<20	0.14		<10		108		<10		<10		<10		54		
Z334805		<20	0.14		<10		89		<10		<10		<10		100		
Z334806		<20	0.16		<10		119		<10		<10		<10		67		
Z334807		<20	0.12		<10		100		<10		<10		<10		38		
Z334808		<20	0.11		<10		91		<10		<10		<10		38		
Z334809		<20	0.04		<10		85		<10		<10		<10		52		
Z334810		<20	0.10		<10		108		<10		<10		<10		88		
Z334811		<20	0.10		<10		82		<10		<10		<10		33		
Z334812		<20	0.16		<10		123		<10		<10		<10		91		
Z334813		<20	0.16		<10		122		<10		<10		<10		58		
Z334814		<20	0.13		<10		79		<10		<10		<10		54		
Z334815		<20	0.16		<10		95		<10		<10		<10		61		
Z334816		<20	0.07		<10		82		<10		<10		<10		49		
Z334817		<20	0.11		<10		78		<10		<10		<10		69		
Z334818		<20	0.03		<10		80		<10		<10		<10		83		
Z334819		<20	0.03		<10		53		<10		<10		<10		69		
Z334820		<20	0.08		<10		42		<10		<10		<10		63		
Z334821		<20	0.11		<10		76		<10		<10		<10		61		
Z334822		<20	0.16		<10		71		<10		<10		<10		31		
Z334823		<20	0.11		<10		52		<10		<10		<10		46		

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Project: NEW ALGER

Sample Description	Method Analyzed Units LOE	CERTIFICATE OF ANALYSIS VO11018542														
		ME-01 Fe ppm 0.02	ME-02 Al ppm 0.005	ME-03 Si ppm 0.2	ME-04 Ca ppm 0.01	ME-05 Mg ppm 0.01	ME-06 K ppm 0.01	ME-07 Na ppm 0.5	ME-08 Ti ppm 10	ME-09 Mn ppm 10	ME-10 P ppm 10	ME-11 S ppm 10	ME-12 Cl ppm 0.5	ME-13 F ppm 0.5	ME-14 Br ppm 1	ME-15 I ppm 1
Z234804	3.27	0.275	0.5	186	1.84	0.70	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Z234805	2.85	0.418	0.5	186	1.28	0.70	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Z234806	1.44	0.208	0.2	30	1.44	0.70	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Z234807	3.27	0.289	0.3	30	1.28	0.70	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Z234808	3.15	0.015	0.02	30	1.04	10	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Z234809	5.15	0.098	0.4	20	1.53	230	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Z234810	3.27	0.016	0.3	40	2.15	306	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Z234811	0.53	0.028	0.4	20	1.54	0.70	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Z234812	3.24	0.303	0.3	30	1.31	2270	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Z234813	2.63	0.526	0.3	43	1.17	2090	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Z234814	0.68	0.124	0.2	20	0.26	1310	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Z234815	3.32	0.489	0.4	30	3.04	1480	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Z234816	1.83	0.077	0.5	30	4.23	192	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Z234817	5.42	0.104	0.2	40	1.24	48	0.1	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5



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CERTIFICATE OF ANALYSIS VO11018542

Sample Description	Method Analysis Units LOCL	ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS		ME-ICPMS		
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Z23-4804		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Z23-4805		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z23-4806		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z23-4807		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z23-4808		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z23-4809		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Z23-4810		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z23-4811		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z23-4812		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z23-4813		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z23-4814		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z23-4815		10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Z23-4816		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Z23-4817		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10



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CERTIFICATE OF ANALYSIS VO11018542

Sample Description	Method Analytical Unit LOR	MS-ICP-A		MS-ICP-S		MS-ICP-E		MS-ICP-M		MS-ICP-W		MS-ICP-X	
		ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%
Z234804		<LO	0.15	<LO	<LO	<LO	<LO	79	68	<LO	<LO	<LO	68
Z234805		<LO	0.08	<LO	<LO	<LO	64	62	<LO	<LO	<LO	<LO	62
Z234806		<LO	0.04	<LO	<LO	<LO	38	38	<LO	<LO	<LO	<LO	38
Z234807		<LO	0.02	<LO	<LO	<LO	38	38	<LO	<LO	<LO	<LO	38
Z234808		<LO	0.02	<LO	<LO	<LO	38	38	<LO	<LO	<LO	<LO	38
Z234809		<LO	0.05	<LO	<LO	<LO	76	76	<LO	<LO	<LO	<LO	76
Z234810		<LO	0.01	<LO	<LO	<LO	60	60	<LO	<LO	<LO	<LO	60
Z234811		<LO	<LO	<LO	<LO	<LO	41	48	<LO	<LO	<LO	<LO	48
Z234812		<LO	0.01	<LO	<LO	<LO	44	44	<LO	<LO	<LO	<LO	44
Z234813		<LO	<LO	<LO	<LO	<LO	39	39	<LO	<LO	<LO	<LO	39
Z234814		<LO	<LO	<LO	<LO	<LO	35	35	<LO	<LO	<LO	<LO	35
Z234815		<LO	0.05	<LO	<LO	<LO	219	219	<LO	<LO	<LO	<LO	219
Z234816		<LO	0.05	<LO	<LO	<LO	439	439	<LO	<LO	<LO	<LO	439
Z234817		<LO	0.05	<LO	<LO	<LO	35	35	<LO	<LO	<LO	<LO	35



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 Account: MINMAN

CERTIFICATE TB11022961

Project: NEW ALGER

P.O. No.:

This report is for 145 Drill Core samples submitted to our lab in Val d'Or, QC, Canada on 8-FEB-2011.

The following have access to data associated with this certificate:

MATT MOURO

BREAN NEWTON

MARK WELLSHEAD

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WB-21	Received Sample Weight
LOG-22	Sample Login - Rec w/o BarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% < 2mm
SP-21	Split sample - riffle splitter
PUL-31	Pulverize splits to 65% < 75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
AU-AA03	Au 30g FA-AA finish	AAS
ME-N241	SS Element Aqua Regia (CP-AES)	ICP-AES

To: MINROC MANAGEMENT
 ATTN: BREAN NEWTON
 65, FRONT ST. EAST, SUITE 304
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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 Ramsshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS TB11022961

Sample Description	Method Analyzed	Units	LORE	ME-H2OAT		ME-H2OAT		ME-H2OAT		ME-H2OAT		ME-H2OAT		ME-H2OAT		ME-H2OAT		ME-H2OAT		ME-H2OAT	
				Ca ppm	Mg ppm	Si ppm	Al ppm	Fe ppm	Mn ppm	K %	Na %	Li %	Pb ppm	Co ppm	Ni ppm	Zn ppm	Cu ppm	As ppm	Sb ppm	Se ppm	Mo ppm
J23-0118	<10	<1	0.17	70	1.21	47	0.04	1900	2	0.60	<2	4	108								
J23-0119	<10	<1	0.77	70	1.24	54	0.04	1290	5	3.67	2	3	113								
J23-0120	10	<1	0.39	20	1.23	664	0.02	1216	2	4.03	2	6	33								
J23-0121	10	1	0.33	20	1.48	570	0.04	1318	8	7.2	6	8	103								
J23-0122	10	1	0.63	30	1.60	771	0.03	1310	8	4.25	4	2	105								
J23-0123	10	<1	0.97	20	1.27	672	0.03	1350	18	8.7	6	3	35								
J23-0124	<10	<1	0.15	20	1.19	604	0.02	1100	11	0.2	<2	2	22								
J23-0125	<10	<1	0.14	70	0.35	676	<0.01	1400	6	2.84	2	1	64								
J23-0126	10	<1	0.10	20	1.35	664	0.01	400	2	1.14	8	14	64								
J23-0127	10	<1	0.83	<10	4.05	1250	0.01	310	<2	0.08	<2	20	75								
J23-0128	10	1	0.22	<10	3.16	1140	0.02	48	<2	0.29	<2	19	52								
J23-0129	10	<1	0.06	<10	3.75	1285	0.02	40	<2	0.19	<2	19	65								
J23-0130	20	<1	0.91	<10	4.39	1130	0.01	21	<2	0.29	<2	19	28								
J23-0131	10	<1	0.77	<10	1.44	893	0.03	30	8	2.63	8	1	50								
J23-0132	10	1	0.07	<10	2.89	1210	0.02	60	<2	0.42	8	15	85								
J23-0133	10	1	0.53	<10	2.70	1165	0.03	76	<2	0.12	<2	6	29								
J23-0134	10	1	0.24	<10	1.71	605	0.03	67	<2	0.12	2	3	24								
J23-0135	10	<1	0.94	<10	1.74	682	0.02	61	<2	0.19	2	2	21								
J23-0136	10	<1	0.08	<10	1.92	629	0.02	60	<2	1.00	<2	5	29								
J23-0137	10	1	0.08	<10	2.05	647	0.02	42	<2	0.25	2	8	24								
J23-0138	10	1	0.02	<10	1.29	644	0.04	25	2	0.08	<2	3	23								
J23-0139	10	<1	0.72	<10	1.36	642	0.05	42	<2	0.20	<2	5	25								
J23-0140	10	<1	0.91	<10	1.53	1215	0.05	61	<2	0.16	4	4	34								
J23-0141	10	1	0.51	<10	1.69	1400	0.04	62	<2	0.35	<2	6	41								
J23-0142	10	1	<0.01	<10	2.70	1486	0.02	63	<2	0.21	<2	24	81								
J23-0143	10	<1	0.90	20	1.66	736	0.02	43	11	0.11	<2	4	158								
J23-0144	10	<1	0.18	30	1.77	462	0.01	91	9	0.24	<2	4	16								
J23-0145	10	<1	0.19	30	1.49	453	0.01	68	10	0.32	<2	2	92								
J23-0146	10	<1	0.53	30	1.63	485	0.01	67	7	0.27	<2	2	25								
J23-0147	10	1	0.61	30	1.61	493	0.01	62	7	0.32	<2	4	16								
J23-0148	10	<1	0.42	30	1.74	522	0.02	61	6	0.24	<2	5	18								
J23-0149	10	<1	0.22	30	1.88	511	0.01	111	700	0.23	<2	4	16								
J23-0150	<10	<1	0.18	10	0.63	909	0.01	62	410	0.07	<2	2	13								
J23-0151	10	<1	0.34	30	1.84	431	0.02	104	860	0.21	<2	5	18								
J23-0152	10	1	0.26	30	1.37	474	0.02	101	899	0.22	<2	5	17								
J23-0153	10	<1	0.14	30	1.46	488	0.04	60	860	0.24	<2	7	27								
J23-0154	10	<1	0.47	40	0.88	232	0.01	65	1020	0.29	<2	3	28								
J23-0155	20	1	2.79	<10	3.15	1430	0.02	63	560	0.66	<2	40	208								
J23-0156	10	1	0.72	10	2.85	1280	0.03	92	763	0.27	<2	13	87								
J23-0157	10	<1	0.50	10	2.95	729	0.03	112	710	0.28	<2	12	47								



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CERTIFICATE OF ANALYSIS TB11022961

Sample Description	Method Analyzed Units LOR	MS-10041		MS-10041		MS-10041		MS-10041		MS-10041		MS-10041		MS-10041	
		Th. ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%
K234813		<20	0.02	<10	<10	45	<10	<10	<10	67					
K234819		<20	0.03	<10	<10	38	<10	<10	<10	125					
K234820		<20	0.03	<10	<10	72	<10	<10	<10	122					
K234821		<20	0.03	<10	<10	78	<10	<10	<10	68					
K234822		<20	0.02	<10	<10	72	<10	<10	<10	153					
K234823		<20	0.01	<10	<10	76	<10	<10	<10	163					
K234824		<20	<0.01	<10	<10	37	<10	<10	<10	137					
K234825		<20	<0.01	<10	<10	7	<10	<10	<10	227					
K234826		<20	0.06	<10	<10	128	<10	<10	<10	178					
K234827		<20	0.19	<10	<10	281	<10	<10	<10	100					
K234828		<20	0.16	<10	<10	342	<10	<10	<10	20					
K234829		<20	0.17	<10	<10	303	<10	<10	<10	73					
K234830		<20	0.16	<10	<10	381	<10	<10	<10	89					
K234831		<20	0.09	<10	<10	28	<10	<10	<10	23					
K234832		<20	0.16	<10	<10	155	<10	<10	<10	85					
K234833		<20	0.25	<10	<10	184	<10	<10	<10	63					
K234834		<20	0.23	<10	<10	68	<10	<10	<10	84					
K234835		<20	0.21	<10	<10	62	<10	<10	<10	84					
K234836		<20	0.21	<10	<10	84	<10	<10	<10	88					
K234837		<20	0.24	<10	<10	88	<10	<10	<10	60					
K234838		<20	0.28	<10	<10	62	<10	<10	<10	40					
K234839		<20	0.26	<10	<10	83	<10	<10	<10	49					
K234840		<20	0.19	<10	<10	94	<10	<10	<10	68					
K234841		<20	0.18	<10	<10	107	<10	<10	<10	67					
K234842		<20	0.16	<10	<10	108	<10	<10	<10	111					
K234843		<20	0.08	<10	<10	35	<10	<10	<10	49					
K234844		<20	0.08	<10	<10	67	<10	<10	<10	44					
K234845		<20	0.07	<10	<10	31	<10	<10	<10	79					
K234846		<20	0.08	<10	<10	44	<10	<10	<10	78					
K234847		<20	0.10	<10	<10	43	<10	<10	<10	74					
K234848		<20	0.11	<10	<10	37	<10	<10	<10	82					
K234849		<20	0.09	<10	<10	43	<10	<10	<10	86					
K234850		<20	0.05	<10	<10	24	<10	<10	<10	37					
K234851		<20	0.11	<10	<10	61	<10	<10	<10	73					
K234852		<20	0.12	<10	<10	52	<10	<10	<10	66					
K234853		<20	0.18	<10	<10	89	<10	<10	<10	83					
K234854		<20	0.11	<10	<10	35	<10	<10	<10	78					
K234855		<20	0.13	<10	<10	340	<10	<10	<10	101					
K234856		<20	0.13	<10	<10	108	<10	<10	<10	100					
K234857		<20	0.17	<10	<10	108	<10	<10	<10	139					

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CERTIFICATE OF ANALYSIS TB11022961

Sample Description	Method Analyzed (As Reported)	SPL-ICP-AES		ME-ICP-AES		ME-ICP-AES		ME-ICP-AES		ME-ICP-AES		ME-ICP-AES		ME-ICP-AES		ME-ICP-AES		ME-ICP-AES		ME-ICP-AES	
		ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%
Z234652	As	<1	0.17	30	2.02	100	0.02	330	0.75	<2	<2	4	4	19							
Z234653	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234654	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234655	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234656	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234657	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234658	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234659	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234660	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234661	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
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Z234664	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234665	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234666	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234667	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234668	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234669	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234670	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234671	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234672	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234673	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234674	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234675	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234676	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234677	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234678	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234679	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234680	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234681	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234682	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234683	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234684	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234685	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234686	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234687	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234688	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234689	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234690	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234691	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234692	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234693	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234694	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
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Z234696	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							
Z234697	As	<1	0.17	30	2.10	857	0.02	104	0.75	<2	<2	4	4	14							

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Sample Description	Method Analyte Units LOEL	ME-ICM-1		ME-ICM-1		ME-ICM-1		ME-ICM-1		ME-ICM-1		ME-ICM-1		ME-ICM-1	
		ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%
Z23-4855E	<20	0.05	<10	<10	<10	34	<10	<10	<10	<10	<10	84	<10	<10	84
Z23-4855B	<20	0.05	<10	<10	<10	44	<10	<10	<10	<10	<10	84	<10	<10	84
Z23-4855D	<20	0.01	<10	<10	<10	37	<10	<10	<10	<10	<10	63	<10	<10	63
Z23-4857	<20	0.01	<10	<10	<10	37	<10	<10	<10	<10	<10	63	<10	<10	63
Z23-4852	<20	0.01	<10	<10	<10	45	<10	<10	<10	<10	<10	67	<10	<10	67
Z23-4853	<20	0.27	<10	<10	<10	98	<10	<10	<10	<10	<10	35	<10	<10	35
Z23-4854	<20	0.18	<10	<10	<10	59	<10	<10	<10	<10	<10	83	<10	<10	83
Z23-4855	<20	0.19	<10	<10	<10	127	<10	<10	<10	<10	<10	80	<10	<10	80
Z23-4858	<20	0.27	<10	<10	<10	126	<10	<10	<10	<10	<10	82	<10	<10	82
Z23-4857	<20	0.36	<10	<10	<10	129	<10	<10	<10	<10	<10	80	<10	<10	80
Z23-4859	<20	0.18	<10	<10	<10	34	<10	<10	<10	<10	<10	63	<10	<10	63
Z23-4870	<20	0.19	<10	<10	<10	71	<10	<10	<10	<10	<10	87	<10	<10	87
Z23-4871	<20	0.19	<10	<10	<10	98	<10	<10	<10	<10	<10	84	<10	<10	84
Z23-4872	<20	0.13	<10	<10	<10	124	<10	<10	<10	<10	<10	89	<10	<10	89
Z23-4873	<20	0.03	<10	<10	<10	28	<10	<10	<10	<10	<10	87	<10	<10	87
Z23-4874	<20	0.05	<10	<10	<10	66	<10	<10	<10	<10	<10	72	<10	<10	72
Z23-4875	<20	0.02	<10	<10	<10	64	<10	<10	<10	<10	<10	89	<10	<10	89
Z23-4876	<20	0.08	<10	<10	<10	62	<10	<10	<10	<10	<10	83	<10	<10	83
Z23-4877	<20	0.01	<10	<10	<10	45	<10	<10	<10	14.56	<10	82	<10	<10	82
Z23-4878	<20	0.02	<10	<10	<10	58	<10	<10	<10	10	<10	83	<10	<10	83
Z23-4879	<20	0.02	<10	<10	<10	68	<10	<10	<10	<10	<10	70	<10	<10	70
Z23-4880	<20	0.01	<10	<10	<10	43	<10	<10	<10	700	<10	106	<10	<10	106
Z23-4881	<20	0.02	<10	<10	<10	36	<10	<10	<10	<10	<10	39	<10	<10	39
Z23-4882	<20	0.01	<10	<10	<10	28	<10	<10	<10	<10	<10	86	<10	<10	86
Z23-4883	<20	0.01	<10	<10	<10	32	<10	<10	<10	430	<10	78	<10	<10	78
Z23-4884	<20	0.02	<10	<10	<10	67	<10	<10	<10	<10	<10	78	<10	<10	78
Z23-4885	<20	0.01	<10	<10	<10	32	<10	<10	<10	<10	<10	21	<10	<10	21
Z23-4886	<20	0.01	<10	<10	<10	40	<10	<10	<10	<10	<10	104	<10	<10	104
Z23-4887	<20	0.05	<10	<10	<10	52	<10	<10	<10	<10	<10	118	<10	<10	118
Z23-4888	<20	0.03	<10	<10	<10	63	<10	<10	<10	<10	<10	74	<10	<10	74
Z23-4889	<20	0.09	<10	<10	<10	69	<10	<10	<10	<10	<10	110	<10	<10	110
Z23-4890	<20	0.01	<10	<10	<10	44	<10	<10	<10	<10	<10	486	<10	<10	486
Z23-4891	<20	0.18	<10	<10	<10	262	<10	<10	<10	<10	<10	80	<10	<10	80
Z23-4892	<20	0.17	<10	<10	<10	248	<10	<10	<10	<10	<10	96	<10	<10	96
Z23-4893	<20	0.11	<10	<10	<10	162	<10	<10	<10	<10	<10	96	<10	<10	96
Z23-4894	<20	0.11	<10	<10	<10	182	<10	<10	<10	<10	<10	87	<10	<10	87
Z23-4895	<20	0.12	<10	<10	<10	208	<10	<10	<10	<10	<10	91	<10	<10	91
Z23-4896	<20	0.09	<10	<10	<10	77	<10	<10	<10	<10	<10	33	<10	<10	33
Z23-4897	<20	0.09	<10	<10	<10	21	<10	<10	<10	<10	<10	53	<10	<10	53

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Method Available Min/Max LOR	W2-L1 Brand Wt. kg 0.02	AU ppm 0.005	ME-ICPMS Ag ppm 0.2	ME-ICPMS Au % 0.01	ME-ICPMS As ppm 2	ME-ICPMS Ba ppm 90	ME-ICPMS Bi ppm 90	ME-ICPMS Br ppm 0.5	ME-ICPMS Ca ppm 1	ME-ICPMS Cl ppm 0.01	ME-ICPMS Co ppm 1	ME-ICPMS Cr ppm 1	ME-ICPMS Cu ppm 1	ME-ICPMS Fe ppm 1	ME-ICPMS K ppm 1	ME-ICPMS Mg ppm 1	ME-ICPMS Mn ppm 1	ME-ICPMS Ni ppm 1	ME-ICPMS Pb ppm 1	ME-ICPMS Pt ppm 1	ME-ICPMS Se ppm 1	ME-ICPMS Si ppm 1	ME-ICPMS Sr ppm 1	ME-ICPMS Tl ppm 1	ME-ICPMS U ppm 1	ME-ICPMS V ppm 1	ME-ICPMS Zn ppm 1
Z234858	3.61	0.077	<0.2	1.80	22	<10	<10	<0.5	0.98	0.01	18	197	42	3.95													0.01
Z234859	3.54	0.107	<0.2	1.82	23	<10	<10	<0.5	0.49	<0.5	18	133	42	3.54													0.01
Z234900	1.67	0.201	0.5	1.84	1705	<10	<10	<0.5	3.93	<0.5	16	61	30	3.90													0.01
Z234901	3.19	0.046	0.4	1.80	365	<10	<10	<0.5	3.40	<0.5	13	45	65	3.71													0.01
Z234902	2.89	0.010	0.4	1.20	213	<10	<10	<0.5	4.89	<0.5	18	36	85	2.14													0.01
Z234903	3.08	0.059	<0.2	1.76	195	<10	<10	<0.5	4.04	<0.5	13	48	85	2.73													0.01
Z234904	3.47	0.058	0.2	2.19	48	<10	<10	<0.5	3.63	<0.5	14	53	54	3.21													0.01
Z234905	3.08	0.028	0.5	0.80	154	<10	<10	<0.5	4.32	<0.5	10	37	35	1.84													0.01
Z234906	3.81	0.022	0.2	0.78	411	<10	<10	<0.5	4.71	<0.5	11	37	35	1.88													0.01
Z234907	3.40	0.008	0.2	1.41	43	<10	<10	<0.5	3.88	<0.5	12	44	38	2.31													0.01
Z234908	3.49	0.009	0.2	1.38	25	<10	<10	<0.5	3.85	<0.5	11	37	36	2.30													0.01
Z234909	3.32	0.009	<0.2	1.28	29	<10	<10	<0.5	4.52	<0.5	12	44	34	2.33													0.01
Z234910	3.38	0.009	0.2	1.88	24	<10	<10	<0.5	4.10	<0.5	14	65	36	2.84													0.01
Z234911	2.12	0.008	0.5	1.78	24	<10	<10	<0.5	3.93	<0.5	12	36	36	2.88													0.01
Z234912	3.27	0.010	0.5	2.09	28	<10	<10	<0.5	3.56	<0.5	14	57	30	3.11													0.01
Z234913	1.81	0.023	0.2	1.65	130	<10	<10	<0.5	4.25	<0.5	14	30	34	2.16													0.01
Z234914	3.47	4.29	0.0	0.73	8330	<10	<10	<0.5	4.52	<0.5	17	25	33	3.06													0.01
Z234915	3.49	1.269	0.5	0.86	2840	<10	<10	<0.5	3.80	<0.5	15	35	35	2.60													0.01
Z234916	2.81	0.095	0.5	1.02	791	<10	<10	<0.5	3.58	<0.5	14	29	35	2.85													0.01
Z234917	3.81	0.091	0.2	0.78	2050	<10	<10	<0.5	4.00	<0.5	14	10	75	2.87													0.01
Z234918	3.81	0.082	0.2	1.02	2900	<10	<10	<0.5	3.85	<0.5	15	22	34	3.55													0.01
Z234919	3.28	0.037	0.5	1.07	202	<10	<10	<0.5	3.86	<0.5	16	35	37	3.84													0.01
Z234920	3.30	0.041	0.5	0.94	788	<10	<10	<0.5	4.06	<0.5	11	28	32	1.91													0.01
Z234921	1.82	0.028	0.4	0.85	2090	<10	<10	<0.5	3.84	<0.5	13	13	32	2.28													0.01
Z234922	2.18	2.01	0.4	0.82	4880	<10	<10	<0.5	4.34	<0.5	16	13	67	3.29													0.01
Z234923	2.57	2.27	0.8	0.28	4680	<10	<10	<0.5	4.83	<0.5	14	8	35	3.19													0.01
Z234924	1.72	0.409	0.2	1.15	1325	<10	<10	<0.5	3.93	<0.5	16	27	48	3.97													0.01
Z234925	3.63	1.625	0.5	0.44	4840	<10	<10	<0.5	4.34	<0.5	17	73	39	3.50													0.01
Z234926	1.97	0.781	0.5	0.86	2520	<10	<10	<0.5	4.13	<0.5	16	27	47	3.46													0.01
Z234927	3.10	0.353	0.4	1.45	482	<10	<10	<0.5	3.76	<0.5	16	45	33	3.41													0.01
Z234928	1.73	0.475	0.5	0.89	4970	<10	<10	<0.5	3.94	<0.5	18	28	38	3.77													0.01
Z234929	2.08	0.198	0.8	0.29	3400	<10	<10	<0.5	3.93	<0.5	26	15	68	4.84													0.01
Z234930	2.19	0.078	1.5	0.81	228	<10	<10	<0.5	2.81	0.8	19	6	112	3.98													0.01
Z234931	3.82	0.845	0.7	0.82	78	<10	<10	<0.5	2.90	1.4	20	3	182	4.37													0.01
Z234932	2.71	0.198	0.8	0.88	182	<10	<10	<0.5	2.81	<0.5	18	2	113	3.46													0.01
Z234933	0.84	0.040	0.4	0.77	445	<10	<10	<0.5	2.28	<0.5	13	3	118	3.88													0.01
Z234934	2.74	0.084	0.5	0.78	88	<10	<10	<0.5	2.93	<0.5	9	2	68	4.50													0.01
Z234935	0.85	2.69	1.1	0.81	8880	<10	<10	<0.5	2.97	0.5	20	13	233	4.45													0.01
Z234936	0.78	3.75	0.8	2.82	P-10000	<10	<10	<0.5	6.14	<0.5	48	57	143	7.02													0.01
Z234937	3.03	0.585	0.5	0.85	8280	<10	<10	<0.5	1.76	<0.5	10	22	71	1.84													0.01



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Sample Description	Method Analysis Units LOK	ME-ICAP		ME-ICMT		ME-ICM4		ME-ICM4		ME-ICM4		ME-ICM4		ME-ICM4	
		Th ppm	U ppm	Th ppm	U ppm	Th ppm	U ppm	Th ppm	U ppm	Th ppm	U ppm	Th ppm	U ppm	Th ppm	U ppm
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K2348939	<LO	0.08	<LO	<LO	<LO	5.5	<LO	<LO	<LO	110					
K2348940	<LO	0.01	<LO	<LO	<LO	4.7	<LO	<LO	<LO	48					
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K2348942	<LO	0.04	<LO	<LO	<LO	5.2	<LO	<LO	<LO	83					
K2348943	<LO	0.05	<LO	<LO	<LO	6.4	<LO	<LO	<LO	59					
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K2348946	<LO	0.03	<LO	<LO	<LO	5.9	<LO	<LO	<LO	47					
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K2348951	<LO	0.12	<LO	<LO	<LO	8.7	<LO	<LO	<LO	60					
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K2348958	<LO	<LO	<LO	<LO	<LO	1.8	<LO	<LO	<LO	54					
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K2348977	<LO	<LO	<LO	<LO	<LO	1.7	<LO	<LO	<LO	40					

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Project: NEW ALGER

CERTIFICATE OF ANALYSIS TB110Z2961

Sample Description	Method Analyte Units LOR	WGT	AL-ALES	ME-RPT	ME-RPT	ME-RPT	ME-RPT	ME-RPT	ME-RPT	ME-RPT	ME-RPT	ME-RPT	ME-RPT	ME-RPT	ME-RPT	ME-RPT	ME-RPT	ME-RPT	ME-RPT	ME-RPT					
		to	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%	ppm	%					
123-4903		2.97	1.386	0.7	2.61	4.31	24	24	<10	<10	110	<0.5	<0.5	5.84	<2	<2	5.84	<2	<2	5.84	48	48	118	118	6.24
123-4904		3.04	0.251	0.7	2.61	4.31	24	24	<10	<10	105	<0.5	<0.5	5.78	<2	<2	5.78	<2	<2	5.78	50	50	116	116	6.24
123-4910		3.51	0.022	0.7	3.20	10.40	10.40	10.40	<10	<10	80	<0.5	<0.5	5.99	<2	<2	5.99	<2	<2	5.99	38	38	106	106	6.41
123-4941		3.50	0.071	0.5	3.58	72	72	72	<10	<10	80	<0.5	<0.5	5.64	<2	<2	5.64	<2	<2	5.64	32	32	101	101	6.17
123-4942		3.44	0.071	0.4	3.42	101	101	101	<10	<10	50	<0.5	<0.5	8.13	<2	<2	8.13	<2	<2	8.13	34	34	107	107	6.00
123-4943		3.91	0.006	0.5	4.31	24	24	24	<10	<10	210	<0.5	<0.5	4.98	<2	<2	4.98	<2	<2	4.98	24	24	70	70	3.43
123-4944		0.91	0.105	0.5	4.18	12	12	12	<10	<10	180	<0.5	<0.5	5.05	<2	<2	5.05	<2	<2	5.05	48	48	84	84	7.29
123-4945		3.46	0.028	0.5	1.22	231	231	231	<10	<10	70	<0.5	<0.5	2.38	<2	<2	2.38	<2	<2	2.38	6	6	33	33	5.52
123-4946		2.21	0.082	0.2	1.48	461	461	461	<10	<10	60	<0.5	<0.5	2.70	<2	<2	2.70	<2	<2	2.70	6	6	81	81	3.59
123-4947		2.23	4.81	0.5	1.83	8000	8000	8000	<10	<10	60	<0.5	<0.5	6.88	<2	<2	6.88	<2	<2	6.88	78	78	85	85	4.57
123-4948		3.77	0.497	0.7	2.61	2838	2838	2838	<10	<10	150	<0.5	<0.5	3.85	<2	<2	3.85	<2	<2	3.85	74	74	119	119	6.08
123-4949		2.23	0.227	0.4	1.77	4868	4868	4868	<10	<10	50	<0.5	<0.5	6.80	<2	<2	6.80	<2	<2	6.80	168	168	31	31	4.71
123-4950		3.45	0.082	0.5	2.36	141	141	141	<10	<10	20	<0.5	<0.5	1.61	<2	<2	1.61	<2	<2	1.61	213	213	41	41	3.98
123-4951		3.44	0.225	0.5	2.59	115	115	115	<10	<10	30	<0.5	<0.5	2.85	<2	<2	2.85	<2	<2	2.85	29	29	57	57	3.58
123-4952		3.73	0.082	0.2	1.78	137	137	137	<10	<10	40	<0.5	<0.5	1.28	<2	<2	1.28	<2	<2	1.28	114	114	59	59	3.53
123-4953		1.10	0.288	0.3	1.63	1180	1180	1180	<10	<10	50	<0.5	<0.5	1.28	<2	<2	1.28	<2	<2	1.28	61	61	79	79	3.58
123-4954		1.48	0.007	0.2	1.98	38	38	38	<10	<10	48	<0.5	<0.5	0.90	<2	<2	0.90	<2	<2	0.90	109	109	62	62	2.89
123-4955		3.38	0.047	0.5	1.77	22	22	22	<10	<10	80	<0.5	<0.5	0.86	<2	<2	0.86	<2	<2	0.86	116	116	48	48	3.39
123-4956		3.82	0.005	0.2	1.89	58	58	58	<10	<10	50	<0.5	<0.5	0.86	<2	<2	0.86	<2	<2	0.86	26	26	43	43	3.55
123-4957		3.50	0.073	0.2	2.04	81	81	81	<10	<10	70	<0.5	<0.5	0.81	<2	<2	0.81	<2	<2	0.81	87	87	34	34	3.68
123-4958		3.83	0.025	0.5	1.67	53	53	53	<10	<10	60	<0.5	<0.5	1.71	<2	<2	1.71	<2	<2	1.71	115	115	70	70	3.56
123-4959		3.36	0.009	0.2	2.49	47	47	47	<10	<10	30	<0.5	<0.5	2.30	<2	<2	2.30	<2	<2	2.30	173	173	75	75	4.16
123-4960		3.27	0.078	0.2	2.25	72	72	72	<10	<10	50	<0.5	<0.5	1.62	<2	<2	1.62	<2	<2	1.62	116	116	58	58	3.89
123-4961		3.17	0.005	0.2	1.81	36	36	36	<10	<10	40	<0.5	<0.5	0.46	<2	<2	0.46	<2	<2	0.46	63	63	41	41	3.17
123-4962		1.78	0.005	0.2	1.85	64	64	64	<10	<10	20	<0.5	<0.5	2.36	<2	<2	2.36	<2	<2	2.36	182	182	42	42	3.11



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Project: NEW ALGER

CERTIFICATE OF ANALYSIS TB11022961

Sample Description	Method Analyte Units LOR	ME-DNA1	ME-DNA1	ME-DNA1	ME-DNA1	ME-DNA1	ME-DNA1	ME-DNA1	ME-DNA1	ME-DNA1	ME-DNA1	ME-DNA1	ME-DNA1
		TH	VI	TI	U	V	P	PH	PH	PH	PH	Zn	MC-DNA1
		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		20	0.01	15	10	1	10	10	10	10	10	2	ppm
Z234882		<20	0.09	<10	<10	158	<10	<10	<10	<10	<10	75	
Z234899		<20	0.09	<10	<10	259	<10	<10	<10	<10	<10	77	
Z234940		<20	0.10	<10	<10	217	<10	<10	<10	<10	<10	72	
Z234941		<20	0.12	<10	<10	233	<10	<10	<10	<10	<10	74	
Z234942		<20	0.07	<10	<10	268	<10	<10	<10	<10	<10	76	
Z234943		<20	0.07	<10	<10	358	<10	<10	<10	<10	<10	60	
Z234944		<20	0.08	<10	<10	327	<10	<10	<10	<10	<10	68	
Z234945		<20	0.01	<10	<10	16	<10	<10	<10	<10	<10	21	
Z234946		<20	0.01	<10	<10	13	<10	<10	<10	<10	<10	41	
Z234947		<20	0.04	<10	<10	75	<10	<10	<10	<10	<10	68	
Z234948		<20	0.12	<10	<10	150	<10	<10	<10	<10	<10	80	
Z234949		<20	0.01	<10	<10	74	<10	<10	<10	<10	<10	87	
Z234950		<20	0.01	<10	<10	94	<10	<10	<10	<10	<10	98	
Z234951		<20	0.01	<10	<10	108	<10	<10	<10	<10	<10	64	
Z234952		<20	0.07	<10	<10	40	<10	<10	<10	<10	<10	48	
Z234953		<20	0.08	<10	<10	19	<10	<10	<10	<10	<10	38	
Z234954		<20	0.07	<10	<10	45	<10	<10	<10	<10	<10	51	
Z234955		<20	0.16	<10	<10	64	<10	<10	<10	<10	<10	72	
Z234956		<20	0.09	<10	<10	36	<10	<10	<10	<10	<10	70	
Z234957		<20	0.13	<10	<10	40	<10	<10	<10	<10	<10	73	
Z234958		<20	0.10	<10	<10	43	<10	<10	<10	<10	<10	65	
Z234959		<20	0.15	<10	<10	70	<10	<10	<10	<10	<10	72	
Z234960		<20	0.15	<10	<10	54	<10	<10	<10	<10	<10	76	
Z234961		<20	0.13	<10	<10	78	<10	<10	<10	<10	<10	74	
Z234962		<20	0.05	<10	<10	76	<10	<10	<10	<10	<10	46	

APPENDIX 3
LINE SECTIONS

