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ASSESSMENT REPORT

describing

DIAMOND & ROTARY AIR BLAST (RAB) DRILLING

at the Anubis Cluster of the

RACKLA GOLD PROPERTY

Dale 1-12; ST 1-24, 87-91, 432-517; Sten 90, 92, 94, 96, 98, 100, 102-104, 127-142; T 748-771, 786-809, 824-847, 862-889, 904-1071, 2296, 2298, 2342-2348, 2388-2397, 2428-2437, 2468-2477, 2508-2517, 2548-2557, 2588-2597, 2628-2637, 2668-2677, 2708-2717, 2748-2757, 2772, 2774, 2776, 2778, 2780, 2782, 2784, 2786, 2788-2807, 2815-2850, 2859-2870, 2871-2894, 2903-2938, 2950-2957, 2958, 2959, 2960, 2961, 2962-2971, 3005, 3007; and, WH 1-61

NTS 106C/01, 02, 03, 07, 08 and 106B/04
Latitude 64°02´N to 64°16´ N; Longitude 133°19´W to 131°54´W

in the

Mayo Mining District, Yukon Territory

Field work performed from June 30th to September 22nd, 2016

prepared by

Archer, Cathro & Associates (1981) Limited

for

ATAC RESOURCES LTD.

by

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INTRODUCTION

The Rackla Gold Property comprises a 1700 km^2 area of highly prospective, platform to basin facies, sedimentary rocks located along the northern edge of the Tintina Gold Belt at the transition from the Selwyn Basin to the Mackenzie Platform in east-central Yukon Territory. Various commodities have been explored for and discovered both currently and historically within the claim block. Past exploration focused on base metal mineralization, while recently the emphasis has been directed towards gold potential. The property is wholly owned by ATAC Resources Ltd. (ATAC) and is informally divided into the Rau and Nadaleen Trends.

This report describes the work completed, methods used and the results obtained from the 2016 exploration program conducted at the Anubis cluster of targets within the Nadaleen Trend portion of the property between June 30th and September 22nd, 2016. Management and labour for the project was provided by Archer, Cathro & Associates (1981) Limited (Archer Cathro) on behalf of ATAC. The authors supervised and participated in the program and interpreted all resulting data. The authors' Statements of Qualifications are listed in Appendix I; while Appendix II provides a Statement of Expenditures related to the program.

PROPERTY LOCATION, CLAIM DATA, ACCESS AND INFRASTRUCTURE

The Nadaleen Trend project of the Rackla Gold Property consists of 4159 contiguous mineral claims located from 64°02´N to 64°16´ N and stretching from 133°19´W to 131°54´W on NTS map sheets NTS 106C/01, 02, 03, 07, 08 and 106B/04 (Figure 1). The work presented in this report was filed for a group of 750 claims. Claim information for these claims is presented in Table I. The claims are all registered with the Mayo Mining Recorder in the name of Archer Cathro, who holds them in trust for ATAC. Specifics concerning claim registration are tabulated below while the locations of individual claims associated with this report are shown on Figure 2.

TABLE I: NADALEEN TREND CLAIM INFORMATION

Claim	Grant Number	Expiry*
Dale 1-12	YD08533-YD08544	April 28, 2043
ST 1-24	YD26901-YD26924	April 28, 2040
ST 87-91	YD26987-YD26991	April 28, 2040
ST 432-517	YD27332-YD27417	April 28, 2037
Sten 90	YC10440	April 28, 2043
Sten 92	YD10442	April 28, 2043
Sten 94	YD10444	April 28, 2043
Sten 96	YD10446	April 28, 2043
Sten 98	YD10448	April 28, 2043
Sten 100	YD10450	April 28, 2043
Sten 102-104	YD10452-YD10454	April 28, 2043
Sten 127-142	YD10477-YD10492	April 28, 2043
T 748-771	YD22878-YD22901	March 1, 2037

T 786-809	YC22916-YC22939	March 1, 2037
T 824-847	YD22954-YD222977	March 1, 2037
T 862-889	YD22992-YD23019	March 1, 2037
T 904-1071	YD23034-YD23201	March 1, 2037
T 2296	YD24426	March 1, 2037
T 2298	YD24428	March 1, 2037
T 2342-2348	YD24472-YD24478	March 1, 2037
T 2388-2397	YD24518-YD24527	March 1, 2037
T 2428-2437	YD24558-YD24567	March 1, 2037
T 2468-2477	YD24598-YD24607	March 1, 2037
T 2508-2517	YD24638-YD24647	March 1, 2037
T 2548-2557	YD24678-YD24687	March 1, 2037
T 2588-2597	YD11418-YD11427	March 1, 2037
T 2628-2637	YD11458-YD11467	March 1, 2037
T 2668-2677	YD11498-YD11507	March 1, 2037
T 2708-2717	YD11538-YD11547	March 1, 2037
T 2748-2757	YD11578-YD11587	March 1, 2037
T 2772	YD11602	March 1, 2037
T 2774	YD11604	March 1, 2037
T 2776	YD11606	March 1, 2037
T 2778	YD11608	March 1, 2037
T 2780	YD11610	March 1, 2037
T 2782	YD11612	March 1, 2037
T 2784	YD11614	March 1, 2037
T 2786	YD11616	March 1, 2037
T 2788-2807	YD11618-YD11637	March 1, 2037
T 2815-2850	YD11645-YD11680	March 1, 2037
T 2859-2870	YD11689-YD11700	March 1, 2037
T 2871-2894	YD32901-YD32924	March 1, 2037
T 2903-2938	YD32933-YD32968	March 1, 2037
T 2950-2957	YD32980-YD32987	March 1, 2037
T 2958	YD32988	March 1, 2040
T 2959	YD32989	March 1, 2037
T 2960	YD32990	March 1, 2040
T 2961	YD32991	March 1, 2037
T 2962-2971	YD32992-YD33001	March 1, 2040
T 3005	YD33035	March 1, 2037
T 3007	YD33037	March 1, 2037
WH 1-61	YF41901-YF41961	April 28, 2034

Expiry dates include 2016 work which has been filed and has received assessment credit.

The Anubis cluster portion of the property lies 174 km northeast of Mayo, the nearest supply centre. The closest road access is to the community of Keno City, situated 49 km by road northeast of Mayo. Access to the project in 2016 was routed via Whitehorse to the Stewart airstrip 396 km northeast of Whitehorse. Alkan Air provided the project's service flights several times per week with a Cessna 208B Grand Caravan. Large or bulky supplies were brought to the property on Nomad Air's Skyvan. The locations of the Stewart airstrip and Nadaleen camp is shown on Figure 6.

Daily access to work areas on the project was provided by Horizon Helicopters utilizing a Eurocopter AS350 SD2 (A-Star). This machine also transferred all supplies into camp from the airstrip and completed the diamond and RAB drill moves between their respective drill sites.

HISTORY AND PREVIOUS WORK

Locations of showings and historical work areas referred to in this report can be found on Figure 3.

The earliest recorded exploration in the area of the Nadaleen Trend occurred when McIntyre Mines staked the Birkeland claims, then called Tom and Mom, in 1974 approximately 200 km east of Mayo. Mapping, geochemical soil sampling, trenching and the drilling of 10 BQ and 22 Winkie holes were carried out in 1975. The most significant results achieved were 4.4% zinc, 0.5% lead and 2.7 g/t silver over 1.8 m in DDH75-31 (Shearer, 1975). In 1978 McIntyre Mines entered a joint venture with Canadian Superior Exploration Ltd. No further work was reported and the Birkeland claims expired.

In 1976 the Sian claims were staked approximately 37 km southwest of the Birkeland claims by McIntyre Mines following prospecting of geological targets. Mapping, geochemical soil sampling and EM, mag and SP geophysical surveys were carried out in 1977. Gold was tested for in four grab samples; however, results did not exceed the detection limit for gold (Birkeland, 1978). After entering a joint venture with Canadian Superior Exploration, detailed mapping, trenching and sampling was completed in 1979. Results of this work found low grade lead and zinc throughout a folded dolomite unit. One diamond drill hole was completed in 1980 but did not intersect any mineralization. No further work was recommended and in 1982 the Sian property passed to Serem Ltd, after which the claims were voided and no further exploration was reported.

The Highhawk and Leah showings are situated approximately five and ten kilometres from the Sian showing. They occur within the Leah claims which adjoin the Star, Lee and Nod claims. The Leah claims were staked by a syndicate composed of Highhawk Mines Ltd, Envoy Resources Ltd, Sprott Silver Mines Ltd, Hecate Gold Corporation and Bow River Resources Ltd in 1976. The Star claims, which adjoined to the north, were staked by private prospectors and optioned to Prism Resources Ltd in 1977. Mapping and soil geochemical testing completed by Prism in 1977 returned disappointing results and all claims were dropped. The Lee and Nod claims were staked to the south of the Leah claims in December of 1976 and were optioned to Tay River Mines. No work is on record for these claims and they were allowed to lapse.

McIntyre Mines staked the Jam property in 1977, 4.2 km north of its Sian property. Soil and silt sampling in conjunction with mapping later that year found a favorable dolomite breccia host rock with associated zinc and lead sulphide mineralization. No further work was reported and the Jam claims lapsed.

In 1976, the Black, Ida, Red and Eira claims, located approximately 8 km east of the Sian claims, were staked by the Ortell Syndicate (Precambrian Shield Resources Ltd, Giant Yellowknife Mines Ltd, Nemco Resources Ltd and Highwood Resources Ltd). In 1977, the Black and Ida claims were optioned to a joint venture between DeJour Mines Limited and Nova-Co Exploration Limited (Thompson, 1977). Mapping and geochemical sampling on the Ida claims later that year returned moderately anomalous zinc values, with erratic lead and silver support.

Also in 1977, prospecting and stream sediment sampling carried out on the Eira property by the Ortell Syndicate returned anomalous silver and zinc results, up to 2.4 ppm and 680 ppm respectively (Curry, 1977). This led to more detailed grid soil sampling and geological mapping. This work returned a number of moderate, non-coincident silver, zinc and lead anomalies.

In 2001, the Geological Survey of Canada completed a regional stream sediment sampling program (Heon, 2003), which included coverage of the current Sten claims, in an area now referred to as the Nadaleen Trend. Creeks draining this area returned weak gold and strong arsenic anomalies.

ATAC's initial interest in the area was to follow up on an anomalous arsenic silt sample collected by the Geological Survey of Canada in 2001. Over a three day period in 2009, 89 stream sediment, 1 rock and 9 soil samples were collected on the Sten claims. These samples returned a string of moderately to very strongly anomalous results ranging from 12 to 1775 ppb gold and 123 to 155,000 ppm arsenic (Eaton, 2010). Additional claims were staked by ATAC as a result of this work.

Follow-up prospecting in 2010 of the anomalous creek outlined in 2009 led to the discovery of in situ gold mineralization occurring within a folded, deformed carbonate horizon now referred to as the Osiris Zone. A follow up soil grid consisting of 50 metre line spacing and 50 metre sample spacing was conducted over this carbonate horizon. Results from the soil grid yielded four distinct gold anomalies known as Osiris, Conrad, Isis and Isis East.

Drilling in the fall of 2010 defined three gold bearing zones (Lane, 2011). The Osiris Zone returned the most significant gold grades yielding 65.20 metres of 4.65 g/t Au in OS-10-01. Five more holes were drilled within the Osiris Zone with all but one (OS-10-05) intersecting significant gold mineralization. The Conrad Zone, one kilometer to the east was drilled to target a gold bearing trench. Assay results from this hole included 8.03 g/t Au over 21.13 metres in OS-10-08. A second hole drilled in the Conrad Zone intersected arsenic sulphide mineralization in a siliciclastic package (OS-10-09) with an average gold grade of 1.61 g/t over 39.76 metres. Drilling in the Isis Zone (OS-10-07) one kilometer west of Osiris returned comparatively lower, albeit anomalous gold grades averaging 0.92 g/t over 17.00 metres (Lane, 2011).

In 2011 ATAC carried out an extensive drill program at the Osiris, Isis East and Conrad Zones as well as testing of pathfinder geochemical anomalies at the Isis East, Amon, Dale, Ptah and Pyramid Zones, for a total of 26,675 metres of diamond drilling in 89 holes (Lane and Carne, 2012). Mapping during the 2011 season in the Nadaleen trend continued to refine stratigraphic and structural interpretations and correlations, while sampling and prospecting identified geochemically anomalous ground (McDivitt, 2012).

In addition to drilling and sampling, an airborne magnetic and radiometric geophysical survey flown over the Pyramid target defined broad, curvilinear lineaments trending east-southeast reflecting the general trend of lithologies and structures in the area. Remote sensing data was also collected over the course of the season to provide property wide, ortho-rectified satellite imagery and high resolution contours with low level aerial photos over the central Osiris area targets.

In 2012, ATAC continued their exploration of the Nadaleen Trend with another extensive drill and regional sampling program. Soil sampling, prospecting and mapping identified geochemically anomalous areas which led to the discovery of gold mineralization at the Pharaoh and Anubis Zones, in addition to a strong alteration zone at GT (Lane et al., 2013). Drilling totaled 36,920 metres in 116 holes at the Conrad, Osiris, Isis, Isis East, Sunrise, Pyramid, Anubis and GT zones of which 70 holes returned significantly mineralized intersections.

ATAC expanded upon the result of the 2012 exploration with a modest program, reflecting a softening of the exploration industry, in 2013. This work included continued diamond drilling at the Conrad, Sunrise and Isis East targets totaling 7,303 metres in 26 holes (Lane and Phillips, 2014). Additionally grid and transect soil geochemical coverage was expanded, while prospecting and mapping geochemically anomalous targets continued along the Nadaleen Trend. A targeted hand and excavator operated pit sampling program in the Anubis Cluster resulted in the discovery of six new targets including: Lyra, Corona, Dorado, Draco, Columba and Zodiac.

In 2014, ATAC conducted an exploration program that included diamond drilling at both the Osiris area and the Anubis Cluster (Lane and Phillips, 2015). A total of 4,733 metres were drilled in 2014. In conjunction with diamond drilling, the Anubis Cluster saw extensive trenching, auger drilling and surface mapping. This work extended known soil geochemical anomalies as well as aided in geologic understanding of the local units and structures in the area.

In 2015, ATAC completed a program of rotary air blast (RAB) drilling at the Anubis Cluster (Lane and Phillips, 2016). A total of 1289.24 metres was completed in 31 holes. Additionally one diamond drill hole completed 482.50 m at the Conrad Zone. The RAB drilling targeted known soil and rock geochemical anomalies targeting carbonate stratigraphy crosscut by structures. The program successfully intersected gold mineralization with the discovery of the Orion Zone in the Anubis Cluster. The diamond drilling tested the continuity of mineralization within the Conrad Upper and Middle Zones as well as the favorable mineralized contact between the limestone and the siltstone.

GEOMORPHOLOGY AND CLIMATE

The Nadaleen Trend occurs on the eastern half of the 185 km east west oriented Rackla Gold Property in the Selwyn and Wernecke Mountains and is drained by creeks that flow into the Nadaleen, Rackla and Stewart Rivers, all part of the Yukon River watershed. Local topography varies from low forested valleys to alpine terrain and features generally east-west to northwest trending broad glaciated valleys. Elevations range from approximately 600 to 2000 m above sea level. Outcrop is most abundant near ridge crests and in actively eroding creek beds. Most hillsides are talus covered at slope breaks and are blanketed by glacial till at lower elevations. The region was glaciated in the Late Pleistocene, 22,000 years ago (Duk-Rodkin, 1999) with ice flow generally occurring from east to west.

Treeline in the vicinity of the project is at about 1500 m. Slopes above that elevation, especially steep north facing slopes, have little vegetation. Moderately steep, south facing slopes are well drained and are often lightly forested with poplar and spruce. The density and size of vegetation gradually increases on lower slopes, and the valley floors are well treed with mature black spruce. Understory vegetation typically consists of low shrubs and moss.

The climate in the Nadaleen Trend area is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. Although summers are relatively mild, arctic cold fronts often cover the area and snowfall can occur in any month. The property is mostly snow free from early June through late September.

REGIONAL GEOLOGY

The Geological Survey of Canada performed geological mapping in the vicinity of the Rackla Gold Property at 1:250,000 scale in the early 1970s (Blusson, 1974). In 1999, the Geological Survey of Canada (Gordey and Makepeace, 1999) completed a compilation of Yukon-wide geology and updated the lithological units named in the Rackla area. The Yukon Geological Survey conducted mapping on 106C/03 and 106C/04 1:50,000 map sheets in 2010 and 2011 (Colpron, 2012 and Chakungal and Bennett, 2010), completed map sheets 106D/01, 106C/01-04 in 2012 (Colpron et al., 2013), extended coverage to the east in 2013 on map sheet 106B/04 (Moynihan, 2014). In early 2016 the Yukon Geological Survey released a revised bedrock geology map for Yukon that built upon the previous compilations (Colpron, 2016).

The Rackla Gold Property straddles the boundary between deep water dominantly clastic rocks of the Selwyn Basin to the south and shallower water shelf strata of the Mackenzie platform to the north (Colpron and Nelson, 2011). The Dawson Fault, which juxtaposes rocks of Selwyn Basin against rocks of Mackenzie Platform, is a crustal break that may date back to late Neoproterozoic rifting and was reactivated as a north directed thrust in the Cretaceous (Macdonald et. al, 2010). The tectonic setting of the Rackla Gold Property is shown in Figure 4, while regional relationships and the importance of the Dawson Fault system are presented in Figure 5.

Recent mapping by the Yukon Geological Survey has refined the Proterozoic to Paleozoic sedimentary stratigraphy underlying the Nadaleen Trend. A description of this revised mapping

is outlined below, with Proterozoic to Lower Cambrian rocks described in Table II and Paleozoic rocks in Table III.

TABLE II: PROTEROZOIC TO LOWER CAMBRIAN ROCKS ALONG THE NADALEEN TREND

REGIONAL LOCATION	AGE	REGIONAL UNIT NAME
North of Kathleen Lakes fault	Neoproterozoic	Windermere Supergoup and Rapitan Group stratigraphy.
Hanging wall (south) of Dawson Thrust fault.	Neoproterozoic to Cambrian	Hyland Group, Earn Group, with south eastern areas dominated by Gull Lake Formation and volcanic rocks of the Old Cabin Formation.
Between Kathleen Lakes and Dawson Thrust faults		Nadaleen and Blueflower Assemblages correlative with the uppermost portion of the Windermere Supergroup overlain by upper Hyland Group stratigraphy.

TABLE III: PALEOZOIC ROCKS ALONG THE NADALEEN TREND

FACIES	AGE	ROCK TYPE
Off Shelf Rocks	Ordovician to Lower Devonian	Black shale of the Road River Group
	Ordovician to Silurian	Limestone and calcareous sandstone
	Middle Devonian	Limestone
	Middle Devonian to Lower Mississippian	Silty-mudstone and limestone; and shale of the Earn Group
	Mississippian to Lower Devonian	Clastic rocks
Platform Rocks	Upper Cambrian to Devonian (?)	Limestone and Dolostone

To date, mineralization along the Nadaleen Trend has dominantly been found between the Kathleen Lakes and Dawson Thrust Faults.

PROPERTY GEOLOGY

The distribution of lithologies and regional scale structures defined to date along the Nadaleen Trend are shown on Figure 6. Stratigraphic relationships between the mapped units along the Nadaleen Trend are shown on a stratigraphic section on Figure 7.

It is believed that the Nadaleen Trend area underwent extensive deformation as part of a Mesozoic to early Cretaceous fold and thrust event, followed by a transition into a probable strike slip regime. Two major regional structures transect the property: the Dawson Thrust and the Kathleen Lakes Faults. The Dawson Thrust, historically described as defining the northern edge of Selwyn basin, placed Precambrian slope and basinal sedimentary rocks over Paleozoic shelf carbonates during a Jurassic to Cretaceous compressional tectonic event. This fault is

likely a much older structure, possibly dating back to Precambrian rifting, which was reactivated during a later compressional regime.

The Kathleen Lakes Fault marks the contact between Paleozoic platform rocks to the north and Paleozoic shelf to basin rocks to the south in the western part of the property. Both the Dawson Thrust Fault and Kathleen Lakes Faults become difficult to trace to the east as they move into broad valleys covered by a thick layer of glacial till. The Nadaleen Fault near the eastern end of the property appears to be a splay off the Kathleen Lakes Fault.

The prevalence of debrite and turbidite facies within almost all units, along with the highly variable stratigraphic thicknesses of units provides strong evidence for long lived syn-sedimentary tectonism.

ANUBIS CLUSTER – PROPERTY GEOLOGY

Lithologies of the Nadaleen Trend within the Anubis Cluster have been divided into three groups: Paleozoic Rocks, Neoproterozoic to Cambrian Rocks and Neoproterozoic Rocks. Descriptions of each of these are provided below, while maps outlining the distribution of these units are shown on Figures 8 and 9.

Paleozoic Rocks – Are exposed from the Pyramid Zone to just south and west of Nadaleen Camp. This group has been subdivided into nine lithologically distinct map units:

- **Mc**: Light to medium grey, well-bedded limestone, locally very fossiliferous; contains large crinoids.
- **mDC**: Light grey crinoidal limestone, contains "two-hole" and "star" crinoids.
- **mDMc**: Black silty mudstone with thin crystalline grey limestone interbeds near top; sections of thick fossil trash limestone deposited as turbidites; black cherty mudstone and black shale at base has a polymetallic "NiMo" geochemical signature.
- **DMEm**: Pyritic silty shale, gritty mudstone, silty mudstone, black dolomitic siltstone and grit.
- **DMEs:** Silvery-grey weathering siliceous shale and silty mudstone, thin bedded barite beds.
- **OScs**: Buff weathering, medium-grained calcareous sandstone and sandy limestone/dolostone; locally gritty and very fossiliferous.
- **OSc**: Thin to medium-bedded, grey and buff weathering, silty limestone; massive, white limestone.
- **Pg**: Dark green to black, fine to medium-grained gabbro, pyroxenite

- **ODr**: Black shale, locally graptoltic; black limestone.

Neoproterozoic to Cambrian Rocks - This stratigraphy is exposed across the entire length of the map area. It is divided into two lithologic map units as follows:

- **PCHnq**: Buff weathering, locally calcareous quartzite.

- **PCHn**: Maroon and green shale and siltstone, locally bioturbated; locally grey, brown shale; locally green and white sandstone; yellowish-buff weathering dolomitic limestone.

Neoproterozoic Rocks - These rocks are exposed on the northern portions of the Anubis Cluster near the Dale Target. They are main rocks units exposed at the Osiris Area.

- **PHa**: Light grey to yellowish-buff weathering dolomitic limestone and dolostone; variably dolomitized and variably silty/sandy; locally fine-grained, dolomitic sandstone; commonly graded and cross-bedded; minor grey and/or maroon shale; local debris flow units: generally limestone pebble to cobble breccia and conglomerate; some polymictic breccia, locally boulder-size

- **PSs**: Brown-weathering, grey shale and siltstone; minor sandstone and grit; rhythmically bedded, brown-weathering, grey limestone and shale; calcareous shale; thinly-bedded, grey limestone

- **PSc**: Grey, buff, tan, and orange-weathering dolostone, dolomitic sandstone and limestone, commonly planar and/or cross laminated; calcareous shale and siltstone; maroon shale, carbonate-clast diamictite and conglomerate; pink-weathering siltstone at base of unit

- **PNu**: Maroon and green fine grained sandstone-siltstone-mudstone

- **PNl**: Brownish-grey siltstone, mudstone limestone; rhythmically, thin to medium bedded mudstone and limestone; local pink-grey quartz sandstone and quartzite; calcareous grit and sandstone

- **PNc**: Grey bedded limestone

- **NONAD**: Orange-weathering, greenish-brown rythmically bedded fine grained sandstone, siltstone, mudstone; polymictic diamictite conglomerate (carbonate and quartzite pebble to cobble)

MINERALIZATION

The focus of exploration along the Nadaleen Trend is for carlin-type gold mineralization. Carlin-type deposits have been reported around the world, but to date, major economic occurrences have been restricted to the Great Basin of the southwestern United States. Recent discoveries along the Nadaleen Trend have many characteristics of Carlin-type deposits, and

hold promise of great potential for new discoveries of economic importance (Arehart et al., 2013).

Carlin-type deposits are characterized as sediment-hosted micron-scale gold hosted within disseminated arsenian pyrite (Arehart, 1996). The deposits are typically found as replacement bodies in silty-carbonates within slope and basinal facies and have both structural and stratigraphic controls with a strong relationship to deep seated crustal-scale structures (Cline et al., 2005; Muntean et al., 2011). Carlin-type mineralizing fluids are typically weakly acidic, resulting in the dissolution of carbonate which is followed in the mineralization process by precipitation of quartz and gold-bearing arsenian pyrite and trace metal enrichments of As-Sb-Hg-Tl (Muntean et al., 2011). Permeability is the key factor controlling the distribution of alteration and mineralization and features that control it include primary fluid conduits, such as fault and shear zones, as well as stylolites, veinlets and fold hinges (Tucker et. al., 2013).

Along the Nadaleen Trend, carlin-type mineralization has been drill-proven at the Osiris, Conrad, Sunrise, Ibis, and Anubis Zones. Gold mineralization is best developed within limestone sequences where alteration, characterized by decalcification occurs in association with realgar mineralization peripheral to calcite flooding. Mineralization hosted within non-calcareous rocks generally occurs within brittle fractures and is directly associated with fault breccia and/or intense fracture development. Table IV presents a summary of all significantly mineralized zones along the Nadaleen Trend.

TABLE IV – SUMMARY OF MINERALIZED ZONES WITHIN THE NADALEEN TREND TARGETED IN 2016

Area	Mineralized Zone	Year Discovered	Comments	Mineralization Type
Anubis Cluster	Anubis	2012	Located 10 kilometres west of Osiris, outcrop samples collected in 2012 returned up to 139 g/t Au. Hole AN-12-01 intersected 8.51 m of 19.85 g/t Au within strongly altered carbonate interbeds within an argillite package. Anubis was a major focus of regional surface exploration in 2013.	Carlin-Type Au
	Ana	2012	550 m northwest of Anubis, grab samples from hand pits collected at the sites of anomalous gold-in-soil samples returned up to 5.59 g/t Au in clay rich fault breccia. Two drill holes targeted this fault zone at depth in 2012 though no significant mineralization was intersected.	Carlin-Type Au
	Orion	2015	300 metres northwest of the Anubis discovery outcrop. Hole AN-16-010 twinned the Orion discovery hole ARB-15-026, and returned 61.29 m of 2.75 g/t Au, starting with 14.61 m of 3.98 g/t Au and ending with 13.15 m of 3.92 g/t Au.	Carlin-Type Au

RAB DRILLING

GENERAL

Rotary Air Blast (RAB) drilling was carried out at the Orion Area between July 1st and September 11th by Superior Diamond Drilling Ltd. of Powell River, BC. The work was completed using a heli-portable, track mounted 'Grasshopper' drill manufactured by Multi Power Products Ltd. A total of 1674.91 m of RAB drilling was completed in 33 holes. Samples consisted of approximately five pounds of pulverized rock collected at five foot intervals. Care was taken to collect material throughout the entire five foot drilled interval. Samples were photographed, logged and entered into a RAB drill database.

The RAB drill was set up on an earth filled log structure approximately 15 feet long by 15 feet wide. This pad type was prepared by hand by Archer Cathro employees. Drill collars were marked with a flagged picket and labelled with the basic drillhole information including hole number, azimuth and dip.

The drill collar locations are plotted on Figure 10 and key data for the holes is listed in Table V. Sampling and analytical procedures are provided in Appendix VI. Geological and sample logs are presented in Appendix VII. Certificates of analysis for the RAB samples sampling are shown in Appendix VIII.

TABLE V: 2016 RAB DRILL HOLE SPECIFICS

Hole Name	Target	Easting (mE)	Northing (mN)	Elevation (m)	Azimuth	Dip	Depth (m)
ARB-16-032	Orion	618796	7113120	1338	75	-65	67.06
ARB-16-033	Orion	618786	7113163	1344	180	-50	44.2
ARB-16-034	Orion	618785	7113160	1344	250	-50	41.15
ARB-16-035	Orion	618828	7113093	1354	75	-50	38.1
ARB-16-036	Orion	618827	7113093	1353	0	-50	39.64
ARB-16-037	Orion	618788	7113164	1342	0	-90	50.29
ARB-16-038	Orion	618821	7113136	1362	180	-46	50.29
ARB-16-039	Orion	618822	7113138	1363	0	-90	47.24
ARB-16-040	Orion	618854	7113121	1378	180	-60	44.20
ARB-16-041	Orion	618852	7113123	1376	255	-60	28.96
ARB-16-042	Orion	618855	7113124	1377	0	-90	65.53
ARB-16-043	Orion	618857	7113124	1379	90	-50	44.20
ARB-16-044	Orion	618876	7113066	1401	180	-50	50.29
ARB-16-045	Orion	618874	7113067	1400	250	-50	10.67
ARB-16-046	Orion	618879	7113065	1401	30	-50	48.77
ARB-16-047	Orion	618879	7113068	1399	30	-90	44.20
ARB-16-048	Orion	618859	7113029	1386	0	-60	65.53
ARB-16-049	Orion	618859	7113023	1386	45	-50	44.20
ARB-16-050	Orion	618735	7113178	1326	70	-50	24.38
ARB-16-051	Orion	618734	7113178	1327	0	-50	15.24

ARB-16-052	Orion	618735	7113178	1327	0	-90	53.34
ARB-16-053	Orion	618735	7113211	1321	70	-50	18.29
ARB-16-054	Orion	618731	7113210	1321	0	-90	54.86
ARB-16-055	Orion	618736	7113211	1321	70	50	27.43
ARB-16-056	Orion	618732	7113212	1321	320	-70	15.24
ARB-16-057	Orion	618878	7113067	1400	270	-60	59.44
ARB-16-058	Orion	618879	7113068	1400	320	-60	89.92
ARB-16-059	Orion	618891	7112990	1419	330	-60	70.10
ARB-16-060	Orion	618894	7112990	1420	50	-60	88.39
ARB-16-061	Orion	618894	7112986	1415	280	-60	83.82
ARB-16-062	Ana	618458	7113332	1320	320	90	88.39
ARB-16-063	Ana	618425	7113327	1326	130	-70	86.87
ARB-16-064	Ana	618453	7113238	1356	20	-60	74.68

RAB Drilling Results

Observations from each zone drilled this year are described below.

Orion

Thirty RAB holes totalling 1424.97 m were drilled at the Orion Zone in 2016, expanding previously discovered gold mineralization and targeting the Anubis Fault in the vicinity of cross cutting structures. While several holes returned results anomalous for gold and the pathfinder elements arsenic and mercury, the results were inconclusive due to the high volumes of groundwater encountered, resulting in a significant loss of sample volume and quality. As a result of this a diamond drill program was initiated to re-test a number of 2016 RAB drill targets and to provide improved geological information and sample quality.

Ana

Three RAB holes totalling 249.94 m were drilled in the Ana Zone in 2016, targeting an anomalous RAB hole from 2015. Hole ARB-15-016 tested a linear trend in a gully and returned 0.33 g/t gold over 12.19 m. The 2016 RAB program targeted the same linear but further northeast, down the gully. The most significant result from 2016 returned a value of 0.26 g/t gold over 10.67 m in hole ARB-16-062, located 100 m north northeast of hole ARB-15-016.

DIAMOND DRILLING

GENERAL

Diamond drilling was carried out at the Orion zone between August 6th and September 19th by Superior Diamond Drilling Ltd. of Powell River, BC. The work was completed using HQ and NQ equipment on a heli-portable Discovery II drill. A total of 1540.76 m of diamond drilling was completed in 10 holes.

The drill was set up on an earth filled log structure approximately 20 feet long by 20 feet wide. This pad type was prepared by hand by Archer Cathro employees. Following completion of the hole, the drill collar was marked with a piece of drill rod cemented into the hole and labeled with the basic drill hole information.

The drill collar locations are plotted on Figure 11, and key data for the holes are listed in Table VI. Geologic cross sections are presented in Figures 12-18. Sampling and analytical procedures, data verification and QAQC results are provided in Appendix III, while geological and sample logs are given in Appendix IV. Certificates of analysis from 2016 sampling are shown in Appendix V.

TABLE VI: 2016 DIAMOND DRILL HOLE SPECIFICS

Zone	Hole	Easting	Northing	Elevation	Azimuth	Dip	Depth (m)	Core Size
Orion	AN -16-010	618794	7113122	1344	0	-65	150.57	HQ
Orion	AN -16-011	618796	7113120	1344	70	-50	227.99	HQ-NQ
Orion	AN -16-012	618855	7113124	1368	233	-50	138.07	HQ
Orion	AN -16-013	618855	7113124	1368	230	-87	129.24	HQ
Orion	AN -16-014	618876	7113067	1389	260	-50	116.74	HQ
Orion	AN -16-015	618874	7113067	1389	220	-88	96.93	HQ
Orion	AN -16-016	618812	7113170	1342	220	-90	131.98	HQ
Orion	AN -16-017	618812	7113170	1337	280	-50	110.64	HQ
Orion	AN -16-018	618812	7113170	1337	313	-58	155.75	HQ
Orion	AN -16-019	618815	7113170	1344	40	-75	282.85	HQ

DIAMOND DRILLING RESULTS

Observations from the Orion Zone drilled this year is described below. Significantly mineralized intervals from the holes are listed in Table VII.

TABLE VII: 2016 SIGNIFICANT DIAMOND DRILL INTERSECTIONS

Zone	Hole	From (m)	To (m)	Interval (m)	Au (g/t)
Orion	AN-16-010	18.00	79.29	61.29	2.75
	incl.	18.00	32.61	14.61	3.98
	incl.	66.14	79.29	13.15	3.92
	AN-16-011	173.13	188.02	14.89	1.01
	AN-16-012	36	41.85	5.85	1.09
	AN-16-013	96.93	103.24	6.31	1.00
	AN-16-017	77.11	81.69	4.58	0.59
	AN-16-018	118.30	125.70	7.40	0.59

Orion Zone Summary

Drilling in 2016 started by re-testing a number of RAB holes drilled in both 2015 and 2016 to provide improved geological information and sample validity. Additionally mineralization was targeted along strike to the north and east and down dip.

Mineralization at Orion occurs near the intersection of the Anubis Fault and a series of later cross faults. The Anubis Fault is one of two northwesterly trending graben-bounding structures and is strongly anomalous over its length for Carlin pathfinder elements (arsenic, antimony, mercury and thallium). Gold mineralization intersected to date at Orion occurs in both siltstone and shales that form the hanging wall of the Anubis Fault. Mineralization also occurs within breccias developed in a massive limestone unit in the footwall of the Anubis Fault. Diamond drilling has confirmed that the Anubis Fault displays extensional fault textures with angular siltstone breccia clasts indurated within a strongly oxidized matrix.

DISCUSSION AND CONCLUSIONS

The Rackla Gold Property lies at the boundary between Mackenzie Platform and Selwyn Basin, within geomorphological and geological settings similar to those at the Carlin gold district in northeast Nevada. At the eastern end of the 185 km long Rackla Gold Property, the Nadaleen Trend represents the first discovery of Carlin type gold mineralization in Canada. Progression of the property's known geochemical anomalies has resulted in the discovery of many significant new gold zones.

Diamond drilling in 2016 confirmed the existence of gold mineralization at the Orion Zone and provided additional geologic knowledge of Anubis Fault. Further diamond drilling at the Orion Zone and all other gold targets in the Anubis Cluster is warranted to extend known mineralized zones along the Anubis Fault corridor and test for other mineralized structures.

RAB drilling in 2016 proved that the drill is an effective tool to test for subsurface mineralization, but when areas of ground water are encountered, sample volume and quality should be assessed before holes are advanced. RAB drilling at other gold targets in the Anubis Cluster should be conducted on a high priority basis, with focus directed to testing the areas on the hanging wall side of the Anubis fault. If a consistent orientation of the mineralized zone is defined, RAB drilling should be followed up with diamond drilling.

It is likely that undiscovered gold occurrences within the Nadaleen Trend occur at depth and may have relatively subdued surface signatures. Further surface exploration efforts should focus on areas where the coincident presence of favourable indicator elements in soil occurring in association with favourable stratigraphy as well as structural features which could facilitate auriferous fluid transport and deposition.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Julia Lane, P.Geo.

Derek Walsh, GIT

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APPENDIX I

STATEMENTS OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Julia Lane, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 2008 with a B.Sc. in Earth and Ocean Science.

2. From 2006 to present, I have been actively engaged in mineral exploration in Yukon Territory, British Columbia and Ontario.

3. I am a Professional Geologist (P.Geo.) with the Association of Professional Engineers and Geoscientists of British Columbia (Licence Number 39441).

4. I am a partner with Archer, Cathro & Associates (1981) Limited.

5. I have personally participated in the fieldwork reported herein and have interpreted all data resulting from this work.

Julia Lane, P.Geo.

STATEMENT OF QUALIFICATIONS

I, Derek Walsh, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Surrey, British Columbia, hereby certify that:

1. I graduated from Simon Fraser University in 2013 with a B.Sc. in Earth Sciences.

2. From 2011 to present, I have been actively engaged in mineral exploration in Yukon Territory and British Columbia.

3. I am a Geoscientist in Training (GIT) with the Association of Professional Engineers and Geoscientists of British Columbia.

4. I have personally participated in the fieldwork reported herein and have interpreted data resulting from this work.

Derek Walsh, GIT

APPENDIX II

STATEMENT OF EXPENDITURES

Statement of Expenditures
Nadaleen Group D (750 Claims)
Dale 1-12, ST 1-24, 87-91, 432-517, Sten 90, 92, 94, 96, 98, 100, 102-104, 127-142, T 748-771, 786-809, 824-847, 862-889, 904-1071, 2296, 2298, 2342-2348, 2388-2397, 2428-2437, 2468-2477, 2508-2517, 2548-2557, 2588-2597, 2628-2637, 2668-2677, 2708-2717, 2748-2757, 2772, 2774, 2776, 2778, 2780, 2782, 2784, 2786, 2788-2807, 2815-2850, 2859-2870, 2871-2894, 2903-2938, 2950-2971, 3005, 3007 and WH 1-61 mineral claims
February 20, 2017

Contract Diamond Drilling (including management)

Superior Diamond Drilling Inc.	$305,566.58

APPENDIX III

DIAMOND DRILLING - SAMPLING METHODS, ANALYSIS, DATA VERIFICATION AND QA/QC RESULTS

2016 Drill Core Sampling Methods, Sample Analysis, Data Verification and QA/QC Results

Geotechnical and geological logging was performed on all drill core from the 2016 program. A geotechnical log was filled out prior to geological logging of drill core and included the conversion of drill marker blocks from imperial to metric and determinations of recovery, rock quality designations (RQD), hardness and weathering. Wetted core photographs were taken and catalogued prior to logging.

Random samples were collected for density measurements using both wet and dry evaluation methods to provide base level density data for resource evaluation.

All logging data were recorded as a hardcopy during the day and transcribed to digital format during the evenings.

Drill core samples were collected using the following procedures:

1) Core was reassembled, lightly washed and measured.
2) Core was photographed.
3) Core was geotechnically logged.
4) Core was geologically logged and sample intervals were designated. Sample intervals were set at geological boundaries, drill blocks or sharp changes in visual mineral content.
5) Core recovery was calculated for each sample interval.
6) In 2010, visually promising core intervals were sawn in half using a rock saw and the remainder was split with an impact core splitter. In 2011 through 2016, intervals of core deemed to hold promise of gold mineralization were sawn in half using a rock saw and the remainder left unsampled. All drill intervals not sawn had chips sampled every ten centimetres for up to six metre long intervals of core.
7) Samples were double bagged in 6 mm plastic bags, a sample tag was placed in each sample bag, then two or three samples were placed in a durable fiber bag sealed with a metal clasp and sample numbers were written on the outside of that bag with permanent felt pen. The fibre bag was sealed with a numbered security tag.
8) Two blank and two standard samples were randomly included in every batch of 31 core samples (in 2012 to 2016, batches comprised 30 core samples).
9) One quarter-split duplicate sample was included in every batch of 31 core samples (in 2012 to 2016, batches comprised 30 core samples).
10) In 2012 and 2016, one coarse reject (laboratory) duplicate sample was included in every batch of 30 core samples.

Core recovery is generally poor in the top 10-20 metres of the holes and excellent below that, averaging 90% for all drilled intervals from the 2010 to 2016 drill programs at the Nadaleen Trend Drill Zones. Care was taken to ensure that the sample split was not biased to sulphide content and, therefore, the sampling should be reliable and representative of the mineralization.

Sample Handling and Security

Drill core was flown by helicopter from the drill sites to a logging and sampling area in the Nadaleen Camp. The samples were later flown by helicopter to the Stewart Airstrip, flown by fixed wing to the Mayo airport and transported to Whitehorse by truck. All samples were controlled by employees of Archer Cathro until they were delivered directly to ALS Minerals' laboratory in Whitehorse for preparation. ALS Minerals was responsible for shipping the prepared sample splits to its North Vancouver laboratory, where they were analyzed.

Archer Cathro ensured that a Chain of Custody form accompanied all batches of drill core during transportation from the Property to the laboratory. A unique security tag was attached to each individual fibre bag when the bag was sealed. The bags and security tags had to be intact in order to be delivered to ALS Minerals.

Sample Analysis

All samples were sent to ALS Minerals' laboratory in Whitehorse for preparation and then on to its laboratory in North Vancouver for analysis. ALS Minerals, a wholly owned subsidiary of ALS Limited, is an independent commercial laboratory specializing in analytical geochemistry services. Both ALS Minerals' Whitehorse and North Vancouver laboratories are individually certified to standards within ISO 9001:2008. The North Vancouver laboratory has also received accreditation to ISO/IEC 17025:2005 from the Standards Council of Canada for several analytical methods.

All rock and core samples were dried, fine crushed to better than 70% passing -2 mm and then a 250 g split was pulverized to better than 85% passing 75 microns. The pulverizing circuit was cleaned with quartz sand twice between core samples. Pulps were then analyzed at ALS Minerals in North Vancouver where gold determinations were carried out. Splits of the pulverized fraction were routinely dissolved in aqua regia and analyzed for 49 elements using inductively coupled plasma (ICP) together with mass spectrometry (MS) or atomic emission spectroscopy (AES). Gold analyses were by the Au-AA26 procedure that involves fire assay preparation using a 50 gram charge with an atomic absorption spectroscopy finish. Mercury analyses are performed using atomic absorption spectroscopy (AAS).

DATA VERIFICATION

Database

Geological and geotechnical logging prior to 2011 was initially recorded as a hardcopy and then transcribed into MS Excel®. In 2011 through 2015, logging was recorded as a hardcopy and then entered into a MS SQL Server® database. All of the 2010 data has been transferred to the database.

Visual comparison of hardcopy data and digital data was conducted on select holes to ensure accuracy. Any discrepancies identified by this process were investigated, by examining the core stored on the Property, and corrected.

Collar Locations

All drill hole collars were located and recorded using a Trimble RTK GPS system.

Down-hole Orientations

Prior to 2011, no down-hole azimuth measurements were made and dip deviations were measured using an acid test at the bottom of each hole.

Original 2011 to 2015 survey data obtained from the Reflex survey tools supplied by the drill contractor in CSV format has been imported directly into the MS SQL Server® database. All of the down-hole data was visually inspected and erroneous data has been omitted.

Assays

Assay certificates, for all of the drilling done to date, were obtained from ALS Minerals in CSV format and imported directly into the MS SQL Server® database. Spot checking of data within the database to hard copy certificates issued by ALS Minerals has not revealed any issues.

Samples from the diamond drilling programs were subjected to a QA/QC program designed by Archer Cathro for ATAC. The QA/QC program consisted of:

1) Sequentially numbered sample tickets: to identify each sample with a unique number to minimize the possibility of sample numbering errors and to ensure uniform collection of sample data.
2) Sealed sample bags: to secure individual sample bags in order to reduce the possibility of sample contamination, spilling or tampering.
3) Chain of custody: samples were stored in a secure preparation area and delivered to the laboratory directly by Archer Cathro personnel.
4) Sample duplicates: select samples were quartered and re-submitted for assay. In addition, duplicates of coarse reject material of select 2012 through 2014 samples were re-submitted for assay.
5) Sample blanks: commercial samples were purchased and inserted in the sample sequence. All blank samples yielded background values, including samples inserted directly following a "standard" value to test for "smear effect" during the sample preparation process, indicating no observable contamination. These blanks each comprised 5 kg (NQ samples) and 7 kg (HQ samples) of material and were assigned unique sample numbers within the sample sequence so as to be "blind" to the laboratory.
6) Reference standard samples: commercially available standard samples consider matrix compatible with Nadaleen Trend –style gold mineralization were purchased for the 2010 through 2012 drill programs. Four standards were prepared from coarse reject material

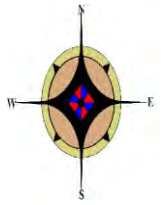
from the 2012 core samples for use during the 2012 through 2016 drill programs. Standards were assigned a unique sample number within the sample sequence.

The consensus and two standard deviation values for each of the standard samples used during the 2016 program while the certificates for each of the standard samples prepared occur in the following pages.

Standard Sample Parameters

Standard Name	Standard Gold Grade	2Sigma
OS-CS1	0.49	0.52
OS-CS2	2.54	2.70
OS-CS3	7.75	8.19
OS-CS4	12.8	13.19

Of the 17 batches analyzed in 2016, all but one passed the QA/QC program on the first try. Batch N16-009 initially failed because standard OS-CS2 returned a gold value is 1.96 g/t Au, well below the two standard deviation range allowable. Upon reanalysis the sample returned an acceptable value of 2.62 g/t Au. There was not notable variation of any of the other gold values in the sample batch as the values in both the original and rerun batch ranged from <0.005-0.05 g/t Au and <0.005-0.05 g/t Au respectively.



SMEE & ASSOCIATES CONSULTING LTD.

CONSULTING GEOCHEMISTRY / GEOLOGY

Certificate of Analysis

ATAC OS CS 1

Element	Certified Mean	Two Standard Deviations (between lab)
FA Au Inst.	**0.490 g/t**	**0.030 g/t**

Means and standard deviations were calculated from data supplied by six laboratories. Instructions to the laboratories were for the laboratory to finish the fire assay gold with AAS or ICP and with gravimetric if above 5 g/t.

The participating laboratories were:

ALS Chemex, Vancouver
Acme, Vancouver
TSL, Saskatoon
Actlabs, Ancaster
Actlabs, Thunder Bay
SGS, Vancouver

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ± 2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data (shown as the 1st Iteration in the attached Excel spreadsheets). The standard deviation values are known as the "Between Lab" deviations, and can be used to monitor accuracy of a single analysis.

Standards with a Relative Standard Deviation (RSD) of near or less than 5 % are classified as Certified, RSD's of between near 5 % and 15 % are classified as Provisional and must be used with caution when assessing the accuracy of a single analysis, and RSD's of more than 15 % are Indicated and cannot be used to monitor accuracy.

The bulk standards were prepared and packaged by CDN Labs of Langley B.C. Each bulk sample was pulverized in a large rod mill, screened through 270 mesh using an electric sieve, and homogenized in a large rotating mixer.

Barry W. Smee, Ph.D., P.Geo.
June, 2013

SMEE & ASSOCIATES CONSULTING LTD.
CONSULTING GEOCHEMISTRY / GEOLOGY

Certificate of Analysis

ATAC OS CS 2

Element	Certified Mean	Two Standard Deviations (between lab)
FA Au Inst.	**2.544 g/t**	**0.158 g/t**

Means and standard deviations were calculated from data supplied by six laboratories. Instructions to the laboratories were for the laboratory to finish the fire assay gold with AAS or ICP and with gravimetric if above 5 g/t.

The participating laboratories were:

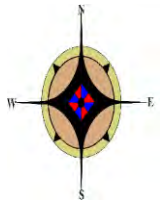
ALS Chemex, Vancouver
Acme, Vancouver
TSL, Saskatoon
Actlabs, Ancaster
Actlabs, Thunder Bay
SGS, Vancouver

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ± 2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data (shown as the 1st Iteration in the attached Excel spreadsheets). The standard deviation values are known as the "Between Lab" deviations, and can be used to monitor accuracy of a single analysis.

Standards with a Relative Standard Deviation (RSD) of near or less than 5 % are classified as Certified, RSD's of between near 5 % and 15 % are classified as Provisional and must be used with caution when assessing the accuracy of a single analysis, and RSD's of more than 15 % are Indicated and cannot be used to monitor accuracy.

The bulk standards were prepared and packaged by CDN Labs of Langley B.C. Each bulk sample was pulverized in a large rod mill, screened through 270 mesh using an electric sieve, and homogenized in a large rotating mixer.

Barry W. Smee, Ph.D., P.Geo.
June, 2013



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Certificate of Analysis

ATAC OS CS 3

Element	Certified Mean	Two Standard Deviations (between lab)
FA Au Grav.	**7.75 g/t**	**0.44 g/t**

Means and standard deviations were calculated from data supplied by six laboratories. Instructions to the laboratories were for the laboratory to finish the fire assay gold with AAS or ICP and with gravimetric if above 5 g/t.

The participating laboratories were:

ALS Chemex, Vancouver
Acme, Vancouver
TSL, Saskatoon
Actlabs, Ancaster
Actlabs, Thunder Bay
SGS, Vancouver

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ± 2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data (shown as the 1st Iteration in the attached Excel spreadsheets). The standard deviation values are known as the "Between Lab" deviations, and can be used to monitor accuracy of a single analysis.

Standards with a Relative Standard Deviation (RSD) of near or less than 5 % are classified as Certified, RSD's of between near 5 % and 15 % are classified as Provisional and must be used with caution when assessing the accuracy of a single analysis, and RSD's of more than 15 % are Indicated and cannot be used to monitor accuracy.

The bulk standards were prepared and packaged by CDN Labs of Langley B.C. Each bulk sample was pulverized in a large rod mill, screened through 270 mesh using an electric sieve, and homogenized in a large rotating mixer.

Barry W. Smee, Ph.D., P.Geo.
June, 2013

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Certificate of Analysis

ATAC OS CS 4

Element	Certified Mean	Two Standard Deviations (between lab)
FA Au Grav.	**12.80 g/t**	**0.39 g/t**

Means and standard deviations were calculated from data supplied by six laboratories. Instructions to the laboratories were for the laboratory to finish the fire assay gold with AAS or ICP and with gravimetric if above 5 g/t.

The participating laboratories were:

ALS Chemex, Vancouver
Acme, Vancouver
TSL, Saskatoon
Actlabs, Ancaster
Actlabs, Thunder Bay
SGS, Vancouver

The final limits were calculated after first determining if all data was compatible within a spread normally expected for similar analytical methods done by reputable laboratories. Data from any one laboratory was removed from further calculations when the mean of all analyses from that laboratory failed a t test of the global means of the other laboratories. The means and standard deviations were calculated using all remaining data. Any analysis that fell outside of the mean ± 2 standard deviations was removed from the ensuing data base. The mean and standard deviations were again calculated using the remaining data (shown as the 1st Iteration in the attached Excel spreadsheets). The standard deviation values are known as the "Between Lab" deviations, and can be used to monitor accuracy of a single analysis.

Standards with a Relative Standard Deviation (RSD) of near or less than 5 % are classified as Certified, RSD's of between near 5 % and 15 % are classified as Provisional and must be used with caution when assessing the accuracy of a single analysis, and RSD's of more than 15 % are Indicated and cannot be used to monitor accuracy.

The bulk standards were prepared and packaged by CDN Labs of Langley B.C. Each bulk sample was pulverized in a large rod mill, screened through 270 mesh using an electric sieve, and homogenized in a large rotating mixer.

Barry W. Smee, Ph.D., P.Geo.
June, 2013

APPENDIX IV

DIAMOND DRILLING - GEOLOGICAL, GEOTECHNICAL AND SAMPLE LOGS

Rock Type Legend	
Code	**Name**
-?-	Unknown
ARG	Argellite
CGL	Conglomerate
DMT	Diamictite
DST	Dolostone
FLR	Fault Rock
FLT	Fault
INT	Intermediate Rock
LST	Limestone
MST	Mudstone
OVB	Overburden
SED	Sedimentary Rock
SHL	Shale
SLC	Siliciclastic
SLT	Siltstone
SST	Sandstone

Unit Legend	
Code	**Name**
---	None
AN-LST1	Poorly Bedded Micritic Limestone
AN-LST3	Fossiliferous Limestone
A-NONAD	Amon - Nodad Mudstone
AN-SLT1	Variably calcaresour carbonaceous Siltstone
AN-SLT2	Interbedded Limestone within Argillite
C-DMT	Conrad Diamictite
C-DST	Conrad Dolostone
C-FLR	Conrad Fault Rock
C-INT	Conrad Intrusive
C-LST1	Conrad Limestone 1
C-LST2	Conrad Limestone 2
C-NONAD	Nonad Mudstone
C-SHL	Conrad Black Shale
C-SLC	Conrad Siliciclastic
HY-LST1	Thickly bedded calcareous floatstone
HY-SLT1	Interbedded Siltstone within calcareous floatstone
IA-DST	Isis-Amon Dolostone
IA-SLT	Isis-Amon Siltstone1
O-DMT	Osiris Diamictite
O-DST	Osiris Dolostone
O-LST1	Osiris - Ping B
O-LST2	Osiris-Algae Limestone
O-MST1	Ping A Mudstone
O-SLT1	Ping B Siltstone
O-SLT2	Algae Mudstone
OVB	Overburden
PY-ARG	Pyramid - Argillite
PY-LST	Pyramid - Limestone
PY-MST	Pyramid-Mudstone
PY-SLC	Pyramid -Siliciclastic

Alteration Type Legend	
Code	**Name**
---	Not Applicable
ARG	Argillic
ASO	Arsenic Oxide
BLE	Bleached
CLY	Clay
DCA	Decalcification
DOL	Dolomite
HEM	Hematite
LIM	Limonite
MBL	Marbleized
OXI	Oxidized
SER	Sericite
SID	Siderite
SIL	Silica

Alteration Intensity Legend	
Code	**Name**
--	N/A
0I	None
1I	Trace
2I	Weak
3I	Moderate
4I	Strong
5I	Intense

Colour Legend	
Code	**Name**
--	N/A
BF	buff
BG	beige
BK	black
BL	blue
BN	brown
BR	brass
CR	cream
GN	green
GY	grey
OL	olive
OR	orange
PK	pink
PU	purple
RD	red
SI	silver
TN	tan
TP	taupe
WH	white
YW	yellow

Grain Size Legend	
Code	**Name**
--	N/A
CG	Coarse
FG	Fine
MG	Medium
VC	Very Coarse
VF	Very Fine

Hardness Legend	
Code	**Name**
--	N/A
1H	Very Soft
2H	Soft
3H	Moderately Hard
4H	Hard
5H	Very Hard

HCL Reactivity Legend	
Code	**Name**
--	N/A
0R	None
1R	Weak
2R	Moderate
3R	Strong
4R	Intense

Joint Roughness Legend	
Code	**Name**
1	Slickenside
2	Smooth
3	Rough
4	Very Rough
5	Hackley

Joint Shape Legend	
Code	**Name**
1	Planar
2	Slightly Undulating
3	Curved/Undulating
4	Stepped
5	Irregular

Mineral Legend	
Code	**Name**
--	N/A
Ak	Ankerite
As	Arsenopyrite
Ba	Barite
Ca	Calcite
Cb	Carbonate
Ci	Cinnabar
Cl	Chlorite
Cn	Carbon
Cp	Chalcopyrite
Do	Dolomite
Fl	Fluorite
Gn	Galena
Gr	Graphite
He	Hematite
Li	Limonite
Ma	Marcasite
Om	Orpiment
Py	Pyrite
Qz	Quartz
Re	Realgar
Se	Sericite
Sp	Sphalerite
St	Stibnite
Un	Unknown

Shade Legend	
Code	**Name**
--	N/A
DK	dark
LT	light
MD	medium

Strain Legend	
Code	**Name**
--	N/A
1S	Very Weak
2S	Weak
3S	Moderate
4S	Strong
5S	Very Strong

Strength Legend	
Code	**Name**
--	N/A
0S	Extremely Weak
1S	Very Weak
2S	Weak
3S	Moderate
4S	Strong
5S	Very Strong
6S	Extremely Strong

Structure Legend	
Code	**Name**
AP	Axial Plane
BD	Bedding
BX	Breccia
CV	Cleavage
DY	Dyke
FA	Fold Axis
FD	Fold
FO	Foliation
FR	Fracture
FT	Fault
GO	Gouge
JT	Joint
LA	Lamination
LI	Lineation
NF	Nadaleen Fault
SH	Shear
SN	Strain
SS	Slickenside
ST	Stringer
ST	Stylolite
VB	Vein Breccia
VN	Vein
VT	Veinlet

Texture Legend	
Code	**Name**
---	Not Applicable
AN	Aphanitic
BD	Bedded
BL	Blebby
BN	Banded
BU	Bouma
BX	Breccia
CR	Crackled
DB	Debris flow
DI	Disseminated
EU	Euhedral
FL	Floatstone
FO	Foliated
FR	Fractured
FS	Fossiliferous
GR	Grainstone
IN	Interstitial
MA	Massive
PA	Patchy
PB	Pebbly
PK	Packestone
PO	Porphyritic
RB	Rubbly
RD	Rudstone
RX	Recrystalized
SD	Soft-Sediment Deformed
SH	Sheared
SN	Strained
VU	Vuggy
WK	Wackestone
XL	Crystalline

Weathering Legend	
Code	**Name**
--	N/A
1W	Fresh
2W	Slightly Weathered
3W	Moderately Weathered
4W	Highly Weathered
5W	Extremely Weathered

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618794	7113122	1344	150.57

ZONE: Orion

SECTION:

HOLE: AN -16-010

CLAIM: T 2964

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth: 4.57m, Out

Drilling Dates: Aug 06 - Aug 15, 2016

Geology Logged By: R. Phillips

SURVEY			
Depth (m)	Azimuth	Dip	Method
12.19	16.12	-64.7	Reflex
149.35	1.62	-66.5	Reflex

TARGET: Twinning hole ARB-15-026

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2.5	2.5	-?-
2.5	5.18	2.68	LST
5.18	79.29	74.11	SHL
79.29	150.57	71.28	LST

SAMPLES	
Numbers:	Q010704 to Q010723, S036601 to S036665
Total:	85
Batch:	001, 002, C01, C02
Certificates:	WH16134984, WH16134985, WH16135083, WH16139949

COMMENTS
Hole ended drilling into footwall limestone that was fresh and unaltered

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	2.50	2.50	-?-	--	No recovery							
						--	--	---	---	--	--	0
2.50	5.18	2.68	LST	CG	OVB, medium grey KST with 12cm section of altered/oxidized material. Rubbly and rounded pieces, with some smooth green mudstone material							
						MD	GY	MA	OXI	1I	--	0
5.18	12.80	7.62	SHL	FG	Medium black gougey shale. Minor orange and brown weathering on surfaces. Very spoungey and clay rich							
						MD	BK		OXI	1I	--	0
12.80	20.21	7.41	SHL	FG	80% rubbly chips of shale with orange/brown/green weathering on surfaces. High As on XRF. 20% more competent shale with trace fine grained py. Green oxidation might be AsO?							
						MD	BK	RB	OXI	2I	Py	1
						DK	BN					
20.21	23.47	3.26	SHL	FG	Dark grey gougey material, with minor qtz rubble chips within gouge. Minor oxidation throughout gouge (same brown/orange as above). Fine grained py throughtout gouge as well. Some pieces very high on XRF (13k). Suspected fault zone?							
						DK	GY	---	OXI	1I	--	0
23.47	73.76	50.29	SHL	FG	Dark black rubbly shale with trace oxidation on fractures. Oxidation on fractures ends ~4 metres into interval. Qtz stringer run throughout at no defined orientation, but very spares (<1%). Pyrite bands parallel to bedding represent ~1% of interval. Zones of gougey, sheared material throughout (10%), as well as substantial rubble zones. Bedding has deformation textures, such as small scale faulting and folding.							
						DK	BK	RB	---	--	Py	2
73.76	75.29	1.53	SHL	FG	Zone of increased competency (silicified?). Small section of realgar slivers (infilling crack or qtz veins). XRF has 2k As. Section is still pretty rotted and vuggy.							
						DK	BK	---	SIL	1I	Re	0.01

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
75.29	77.12	1.83	SHL	FG	Shale with brown oxidation. Contact to Anubis fault at bottom of interbal. Fairly gougey/rotted. No visible realgar but very high As values on XRF							
						MD	BK	---	OXI	1I	--	0
79.29	102.72	23.43	LST	MG	Oxidized limestone. Light brown and red material, concentrated on fractures but sometimes has replaced the whol lst section for 0.30 metre sections. Calcite stringes in the competent sections as well as a crackle texture.							
						MD	BN	RB				
						LT	GY	MA	OXI	3I	--	0
						LT	RD	CR				
102.72	150.57	47.85	LST	MG	Switch into more competent, less oxidized limestone. Has a strong crackle rexture cut by sporadic calcite veinlets. One calcite stringer has a bleb of realgar. Very small zones of oxidized material. Some intervals are bleached. Interval is very hard, and crystalline.							
						LT	GY	MA	OXI	1I	Re	0.01
						LT	BN	CR				

AN -16-010

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	2.50	2.50	-?-	--	NO recovery							
						--	--	---	---	--	--	0
2.50	5.18	2.68	LST	CG	OVB, medium grey KST with 12cm section of altered/oxidized material. Rubbly and rounded pieces, with some smooth green mudstone material							
						MD	GY	MA	OXI	2I	--	0
5.18	79.29	74.11	SHL	FG	Medium black gougey shale. Minor orange and brown weathering on surfaces. Very spoungey and clay rich							
						MD	BK	---	OXI	1I	--	0
79.29	150.57	71.28	LST	MG	Variable oxidized massive limestone with crackle texture							
						MD	BN	CR				
						LT	GY	MA	OXI	2I	--	0

AN -16-010

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.50	2.50	0	0	0.00	0	0R	--	--	No recovery
2.50	3.35	0.85	0.35	41	0.10	12	3R	3H	3W	
3.35	5.18	1.83	0.07	4	0.00	0	3R	3H	3W	
5.18	6.71	1.53	0.4	26	0.00	0	1R	2H	2W	
6.71	8.23	1.52	0.22	14	0.10	7	1R	2H	2W	
8.23	9.75	1.52	1.15	76	0.25	16	0R	2H	2W	
9.75	11.28	1.53	1.22	80	0.10	7	0R	2H	3W	
11.28	12.80	1.52	1.06	70	0.27	18	0R	2H	2W	
12.80	14.33	1.53	0.89	58	0.22	14	0R	2H	3W	
14.33	15.85	1.52	1.4	92	0.24	16	0R	3H	3W	
15.85	17.37	1.52	1.31	86	0.11	7	0R	3H	3W	
17.37	18.90	1.53	1.39	91	0.00	0	0R	3H	3W	
18.90	20.42	1.52	0.88	58	0.00	0	0R	3H	3W	
20.42	21.95	1.53	1.1	72	0.58	38	0R	1H	2W	
21.95	23.47	1.52	0.99	65	0.16	11	0R	2H	2W	
23.47	24.99	1.52	1.45	95	0.15	10	0R	3H	1W	
24.99	26.52	1.53	1.4	92	0.00	0	0R	2H	2W	
26.52	28.04	1.52	0.59	39	0.00	0	0R	2H	2W	
28.04	29.57	1.53	1.16	76	0.13	8	0R	2H	1W	
29.57	31.09	1.52	1.37	90	0.00	0	0R	2H	1W	
31.09	32.61	1.52	1.2	79	0.00	0	0R	2H	2W	
32.61	34.14	1.53	0.96	63	0.11	7	0R	3H	1W	
34.14	35.66	1.52	1.36	89	0.26	17	0R	2H	1W	
35.66	37.19	1.53	1.1	72	0.00	0	0R	2H	1W	
37.19	38.71	1.52	1.32	87	0.00	0	1R	2H	1W	
38.71	40.23	1.52	1.44	95	0.56	37	1R	3H	1W	
40.23	41.76	1.53	1.51	99	0.24	16	1R	3H	1W	
41.76	43.28	1.52	1.04	68	0.25	16	0R	3H	1W	
43.28	44.81	1.53	1.3	85	0.00	0	0R	2H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
44.81	46.33	1.52	1.01	66	0.10	7	1R	2H	1W	
46.33	47.85	1.52	1.29	85	0.14	9	0R	3H	1W	
47.85	49.38	1.53	1.19	78	0.25	16	0R	2H	1W	
49.38	50.90	1.52	1.28	84	0.26	17	0R	3H	1W	
50.90	52.43	1.53	1.18	77	0.10	7	0R	3H	1W	
52.43	53.95	1.52	1.42	93	0.00	0	0R	2H	1W	
53.95	55.47	1.52	1.41	93	0.00	0	0R	2H	1W	
55.47	57.00	1.53	1.17	76	0.52	34	0R	2H	1W	
57.00	58.52	1.52	1.31	86	0.22	14	0R	2H	1W	
58.52	60.05	1.53	1.39	91	0.00	0	0R	2H	1W	
60.05	61.57	1.52	1.4	92	0.10	7	0R	2H	1W	
61.57	63.09	1.52	1.36	89	0.00	0	0R	2H	1W	
63.09	64.62	1.53	1.36	89	0.00	0	0R	2H	1W	
64.62	66.14	1.52	1.25	82	0.00	0	0R	2H	1W	
66.14	67.67	1.53	1.37	90	0.00	0	0R	2H	1W	
67.67	69.19	1.52	1.36	89	0.00	0	0R	2H	1W	
69.19	70.71	1.52	1.47	97	0.00	0	0R	2H	1W	
70.71	72.24	1.53	1.36	89	0.00	0	0R	2H	1W	
72.24	73.76	1.52	1.01	66	0.00	0	0R	3H	1W	
73.76	75.29	1.53	1.34	88	0.00	0	0R	2H	1W	
75.29	76.81	1.52	1.44	95	0.87	57	0R	2H	2W	
76.81	78.33	1.52	1.47	97	0.24	16	0R	1H	4W	
78.33	79.89	1.56	1.51	97	0.00	0	1R	1H	4W	
79.89	81.38	1.49	0.92	62	0.12	8	2R	3H	3W	
81.38	82.91	1.53	1.26	82	0.19	12	3R	3H	3W	
82.91	84.43	1.52	1.23	81	0.00	0	3R	2H	3W	
84.43	85.95	1.52	1.18	78	0.15	10	3R	3H	3W	
85.95	87.48	1.53	1.24	81	0.00	0	3R	2H	3W	
87.48	89.00	1.52	1.37	90	0.00	0	3R	3H	3W	
89.00	90.53	1.53	1.33	87	0.00	0	3R	3H	3W	
90.53	92.05	1.52	1.43	94	0.76	50	3R	3H	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
92.05	93.57	1.52	1.19	78	0.00	0	3R	3H	3W	
93.57	95.10	1.53	1.14	75	0.00	0	3R	3H	3W	
95.10	96.62	1.52	1.21	80	0.00	0	3R	3H	3W	
96.62	98.15	1.53	1.5	98	1.29	84	3R	3H	1W	
98.15	99.67	1.52	1.28	84	0.68	45	3R	3H	3W	
99.67	101.19	1.52	1.3	86	0.47	31	3R	3H	2W	
101.19	102.72	1.53	1.53	100	0.78	51	3R	3H	3W	
102.72	104.24	1.52	1.52	100	1.24	82	3R	3H	3W	
104.24	105.77	1.53	1.53	100	1.34	88	3R	3H	3W	
105.77	107.29	1.52	1.45	95	1.30	86	3R	3H	1W	
107.29	108.81	1.52	1.38	91	0.75	49	3R	3H	3W	
108.81	110.34	1.53	1.49	97	1.26	82	3R	3H	2W	
110.34	111.86	1.52	1.51	99	1.19	78	3R	3H	2W	
111.86	113.39	1.53	1.53	100	1.35	88	4R	3H	2W	
113.39	114.91	1.52	1.52	100	0.99	65	4R	3H	2W	
114.91	116.43	1.52	1.37	90	0.50	33	4R	3H	2W	
116.43	117.96	1.53	1.31	86	0.75	49	4R	3H	1W	
117.96	119.48	1.52	1.52	100	1.46	96	4R	3H	1W	
119.48	121.01	1.53	1.53	100	1.43	93	4R	3H	1W	
121.01	122.53	1.52	1.52	100	1.50	99	4R	3H	1W	
122.53	124.05	1.52	1.52	100	1.33	88	4R	3H	1W	
124.05	125.58	1.53	1.44	94	1.10	72	4R	4H	3W	
125.58	127.10	1.52	1.4	92	1.24	82	4R	4H	1W	
127.10	128.63	1.53	1.53	100	1.28	84	4R	3H	1W	
128.63	130.15	1.52	1.52	100	1.41	93	4R	4H	1W	
130.15	131.67	1.52	1.42	93	1.25	82	4R	2H	3W	
131.67	133.20	1.53	1.53	100	1.28	84	4R	3H	1W	
133.20	134.72	1.52	1.52	100	0.67	44	4R	3H	1W	
134.72	136.25	1.53	1.33	87	0.88	58	4R	3H	1W	
136.25	137.77	1.52	1.52	100	1.10	72	4R	3H	2W	
137.77	139.29	1.52	1.11	73	0.42	28	4R	3H	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
139.29	140.82	1.53	1.22	80	0.64	42	4R	3H	2W	
140.82	142.34	1.52	1.51	99	0.84	55	4R	3H	3W	
142.34	143.87	1.53	1.39	91	0.85	56	4R	3H	3W	
143.87	145.39	1.52	1.44	95	1.39	91	4R	3H	3W	
145.39	146.91	1.52	1.52	100	0.45	30	4R	3H	3W	
146.91	148.44	1.53	1.31	86	0.74	48	4R	3H	1W	
148.44	149.96	1.52	1.42	93	1.02	67	4R	3H	1W	
149.96	150.57	0.61	0.5	82	0.23	38	4R	3H	1W	

AN -16-010

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	S036614	☐	N16-001	Core	CS2	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036620	☐	N16-001	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036627	☐	N16-001	Core	CS1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036641	☐	N16-002	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036645	☐	N16-002	Core	CS2	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036663	☐	N16-002	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036605	☐	N16-001	Core		☑	☐	☐
5.18	8.23	3.05	SHL, LST	0.62	20	S036601	☐	N16-001	Core		☐	☐	☐
5.18	12.80	7.62	SHL, LST	4.05	53	Q010704	☐	N16-C01	Chip		☐	☐	☐
8.23	11.28	3.05	SHL	2.37	78	S036602	☐	N16-001	Core		☐	☐	☐
11.28	12.80	1.52	SHL	1.06	70	S036603	☐	N16-001	Core		☐	☐	☐
12.80	18.00	5.20	SHL	4.01	77	Q010705	☐	N16-C01	Chip		☐	☐	☐
12.80	15.85	3.05	SHL	2.29	75	S036604	☐	N16-001	Core		☐	☐	☐
15.85	18.00	2.15	SHL	1.89	88	S036606	☐	N16-001	Core		☐	☐	☐
18.00	20.21	2.21	SHL	1.44	65	S036607	☐	N16-001	Core		☐	☐	☐
18.00	23.47	5.47	SHL	2.70	49	Q010706	☐	N16-C01	Chip		☐	☐	☐
20.21	21.95	1.74	SHL	1.20	69	S036608	☐	N16-001	Core		☐	☐	☐
21.95	23.47	1.52	SHL	0.99	65	S036609	☐	N16-001	Core		☐	☐	☐
23.47	31.09	7.62	SHL	5.97	78	Q010707	☐	N16-C01	Chip		☐	☐	☐
23.47	26.52	3.05	SHL	2.85	93	S036610	☐	N16-001	Core		☐	☐	☐
23.47	26.52	3.05	SHL	2.85	93	S036611	☐	N16-001	Core		☐	☑	☐
26.52	29.57	3.05	SHL	1.75	57	S036612	☐	N16-001	Core		☐	☐	☐
29.57	32.61	3.04	SHL	2.57	85	S036613	☐	N16-001	Core		☐	☐	☐
31.09	38.71	7.62	SHL	5.94	78	Q010708	☐	N16-C01	Chip		☐	☐	☐
32.61	35.66	3.05	SHL	2.32	76	S036615	☐	N16-001	Core		☐	☐	☐
35.66	38.71	3.05	SHL	2.42	79	S036616	☐	N16-001	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
38.71	41.76	3.05	SHL	2.95	97	S036617	☐	N16-001	Core		☐	☐	☐
38.91	46.33	7.42	SHL	5.65	76	Q010709	☐	N16-C01	Chip		☐	☐	☐
41.76	44.81	3.05	SHL	2.34	77	S036618	☐	N16-001	Core		☐	☐	☐
44.81	47.85	3.04	SHL	2.30	76	S036619	☐	N16-001	Core		☐	☐	☐
46.33	53.95	7.62	SHL	6.20	81	Q010710	☐	N16-C01	Chip		☐	☐	☐
47.85	50.90	3.05	SHL	2.47	81	S036621	☐	N16-001	Core		☐	☐	☐
50.90	53.95	3.05	SHL	2.60	85	S036622	☐	N16-001	Core		☐	☐	☐
53.95	57.00	3.05	SHL	2.58	85	S036623	☐	N16-001	Core		☐	☐	☐
53.95	61.57	7.62	SHL	6.68	88	Q010711	☐	N16-C01	Chip		☐	☐	☐
57.00	60.05	3.05	SHL	2.70	89	S036624	☐	N16-001	Core		☐	☐	☐
60.05	63.09	3.04	SHL	2.76	91	S036625	☐	N16-001	Core		☐	☐	☐
61.57	69.19	7.62	SHL	6.70	88	Q010712	☐	N16-C01	Chip		☐	☐	☐
63.09	66.14	3.05	SHL	2.61	86	S036626	☐	N16-001	Core		☐	☐	☐
66.14	69.19	3.05	SHL	2.73	90	S036628	☐	N16-001	Core		☐	☐	☐
69.19	76.81	7.62	SHL	6.33	83	Q010713	☐	N16-C01	Chip		☐	☐	☐
69.19	72.24	3.05	SHL	2.83	93	S036629	☐	N16-001	Core		☐	☐	☐
69.19	72.24	3.05	SHL	2.83	93	S036630	☐	N16-001	Core		☐	☐	☑
72.24	73.76	1.52	SHL	1.01	66	S036631	☐	N16-001	Core		☐	☐	☐
73.76	75.29	1.53	SHL	1.34	88	S036632	☐	N16-001	Core		☐	☐	☐
75.29	77.12	1.83	SHL	1.55	85	S036633	☐	N16-001	Core		☐	☐	☐
76.81	84.43	7.62	SHL	6.39	84	Q010714	☐	N16-C01	Chip		☐	☐	☐
77.12	79.29	2.17	SHL	1.95	90	S036634	☐	N16-001	Core		☐	☐	☐
79.29	81.38	2.09	SHL, LST	1.90	91	S036635	☐	N16-001	Core		☐	☐	☐
81.38	82.58	1.20	LST	1.05	88	S036636	☐	N16-001	Core		☐	☐	☐
82.58	84.90	2.32	LST	2.05	88	S036637	☐	N16-002	Core		☐	☐	☐
84.43	92.05	7.62	LST	6.55	86	Q010715	☐	N16-C01	Chip		☐	☐	☐
84.90	85.95	1.05	LST	0.85	81	S036638	☐	N16-002	Core		☐	☐	☐
85.95	89.00	3.05	LST	2.61	86	S036639	☐	N16-002	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
89.00	92.05	3.05	LST	2.80	92	S036640	☐	N16-002	Core		☐	☐	☐
92.05	95.10	3.05	LST	2.33	76	S036642	☐	N16-002	Core		☐	☐	☐
92.05	99.67	7.62	LST	6.32	83	Q010716	☐	N16-C01	Chip		☐	☐	☐
95.10	98.15	3.05	LST	2.71	89	S036643	☐	N16-002	Core		☐	☐	☐
98.15	101.19	3.04	LST	2.58	85	S036644	☐	N16-002	Core		☐	☐	☐
99.67	107.29	7.62	LST	7.33	96	Q010717	☐	N16-C02	Chip		☐	☐	☐
101.19	102.72	1.53	LST	1.53	100	S036646	☐	N16-002	Core		☐	☐	☐
102.72	105.77	3.05	LST	3.05	100	S036647	☐	N16-002	Core		☐	☐	☐
105.77	108.81	3.04	LST	2.83	93	S036648	☐	N16-002	Core		☐	☐	☐
107.29	114.91	7.62	LST	7.43	98	Q010718	☐	N16-C02	Chip		☐	☐	☐
108.81	111.86	3.05	LST	3.00	98	S036649	☐	N16-002	Core		☐	☐	☐
111.86	114.91	3.05	LST	3.05	100	S036650	☐	N16-002	Core		☐	☐	☐
114.91	117.96	3.05	LST	2.68	88	S036651	☐	N16-002	Core		☐	☐	☐
114.91	122.53	7.62	LST	7.25	95	Q010719	☐	N16-C02	Chip		☐	☐	☐
114.91	117.96	3.05	LST	2.68	88	S036652	☐	N16-002	Core		☐	☐	☑
117.96	121.01	3.05	LST	3.05	100	S036653	☐	N16-002	Core		☐	☐	☐
121.01	124.05	3.04	LST	3.04	100	S036654	☐	N16-002	Core		☐	☐	☐
122.53	130.15	7.62	LST	7.41	97	Q010720	☐	N16-C02	Chip		☐	☐	☐
124.05	127.10	3.05	LST	2.84	93	S036655	☐	N16-002	Core		☐	☐	☐
127.10	130.15	3.05	LST	3.05	100	S036656	☐	N16-002	Core		☐	☐	☐
130.15	137.77	7.62	LST	7.32	96	Q010721	☐	N16-C02	Chip		☐	☐	☐
130.15	133.20	3.05	LST	2.95	97	S036657	☐	N16-002	Core		☐	☐	☐
130.15	133.20	3.05	LST	2.95	97	S036658	☐	N16-002	Core		☐	☑	☐
133.20	136.25	3.05	LST	2.85	93	S036659	☐	N16-002	Core		☐	☐	☐
136.25	139.29	3.04	LST	2.65	87	S036660	☐	N16-002	Core		☐	☐	☐
137.77	143.87	6.10	LST	5.23	86	Q010722	☐	N16-C02	Chip		☐	☐	☐
139.29	142.34	3.05	LST	2.73	90	S036661	☐	N16-002	Core		☐	☐	☐
142.34	143.87	1.53	LST	1.39	91	S036662	☐	N16-002	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
143.87	150.57	6.70	LST	6.19	92	Q010723	☐	N16-C02	Chip		☐	☐	☐
146.91	148.44	1.53	LST	1.31	86	S036664	☐	N16-002	Core		☐	☐	☐
148.44	150.57	2.13	LST	1.92	90	S036665	☐	N16-002	Core		☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618796	7113120	1344	227.99

ZONE: Orion

SECTION:

HOLE: AN -16-011

CLAIM: T 2964

Contractor: Superior

Drill: 1

Core Size: HQ-NQ

Casing Depth: 6.1m, Out

Drilling Dates: Aug 16 - Aug 19, 2016

Geology Logged By: R. Phillips

SURVEY			
Depth (m)	Azimuth	Dip	Method
8.53	58.73	-50.4	Reflex
227.99	63.73	-56.9	Reflex

TARGET: Testing stratigraphy down dip of Anubis fault

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	8.09	8.09	OVB
8.09	8.44	0.35	LST
8.44	161.56	153.12	SHL
161.56	227.99	66.43	LST

SAMPLES	
Numbers:	Q010724 to Q010752, S036667 to S036761
Total:	124
Batch:	002, 003, 004, 005, C03
Certificates:	WH16139218, WH16139948, WH16139949, WH16139950, WH16139954

COMMENTS
Hole ended drilling into footwall limestone that was fresh and unaltered.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	8.09	8.09	OVB	--	no recovery							
						--	--	---	---	--	--	0
8.09	8.44	0.35	LST	--	Rubbly LST OVB							
						MD	GY	RB	---	--	--	0
8.44	26.82	18.38	SHL	FG	Rubbly shale with oxidation on fractures. Some gougey zones, and sheared zones.							
						MD	BK	RB	OXI	2I	--	0
						MD	GN					
						MD	BN					
26.82	160.42	133.60	SHL	FG	rubbly pyritic shale. Increased competency relative to previous interval. Some areas have a blueish, rainbow hue on fracture surfaces (like a fuel spill), especially near top of interval. Unsure what this is. Trace qtz veins within interval.							
						DK	BK	RB	---	--	Py	2
160.42	161.56	1.14	FLR	FG	Anubis fault zone. Sheared black shale with brownish weathering clasts. Shear fabric is at a low angle to core axis , 20 degrees.							
						MD	BK	SH	---	--	--	0
161.56	162.66	1.10	LST	MG	Fresh calcite flooded Limestone on footwall side of Anubis fault.							
						MD	GY	MA	---	--	--	0
162.66	164.07	1.41	LST	MG	Gougey medium brown limestone. Looks like it could be back into Anubis fault zone? Redish brown oxidation pervase throughout.							
						MD	BN	SH	OXI	3I	--	0
164.07	187.33	23.26	LST	MG	Varaible oxidized, calcite flooded limestone. Small gouge zones and clay altered zones. Minor styolitic seams throughout.							
						MD	GY	RB	OXI	3I	--	0
						MD	BN					
						LT	RD					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
187.33	188.06	0.73	SHL	MG	Dark black gougey material. Possibly decalcified limestone? Looks like gougey sheared shale. Very out of place in this unit							
						MD	BK	RB	---	--	--	0
188.06	227.99	39.93	LST	MG	Medium grey massive limestone. Very competent. Has crackle texture throughout. Some sections have minor bleaching. One calcite veinlet at 203.00 m has a fleck of realgar. Minor calcite veining at no parctiular orientation, although there appears to be one set at 80 deg to core axis.							
											Re	0.01

AN -16-011

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
0.00	8.09	8.09	OVB	--	no recovery							
						--	--	---	---	--	--	0
8.09	8.44	0.35	LST	MG	Rubbly LST OVB							
						MD	GY	RB	OXI	2I	--	0
8.44	161.56	153.12	SHL	FG	Rubbly SHL with oxi on surfaces on fractures at top of interval. Fine grained Pryritic beds (1-2%). Trace qtz veining. Occaisonal gougey zones. Bottom of interval is faulted contact into the LST							
						MD	BK	RB	OXI	2I	--	0
161.56	227.99	66.43	LST	MG	Varaible oxidized Limestone transitioning to fresh crackled texture massive limestone							
						LT	BN	RB				
						MD	GY	MA	OXI	1I	--	0

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	8.53	8.53	0.47	6	0.00	0	0R	2H	3W	
8.53	10.06	1.53	1.08	71	0.00	0	0R	2H	3W	
10.06	11.58	1.52	0.92	61	0.00	0	0R	2H	3W	
11.58	13.11	1.53	0.72	47	0.00	0	0R	1H	3W	
13.11	14.63	1.52	1.24	82	0.00	0	0R	2H	3W	
14.63	16.15	1.52	0.98	64	0.00	0	0R	2H	3W	
16.15	17.68	1.53	0.57	37	0.00	0	0R	2H	3W	
17.68	19.20	1.52	1.31	86	0.00	0	0R	2H	2W	
19.20	20.73	1.53	1.2	78	0.00	0	0R	2H	3W	
20.73	22.25	1.52	1.23	81	0.00	0	0R	2H	2W	
22.25	23.77	1.52	0.9	59	0.00	0	0R	2H	2W	
23.77	25.30	1.53	1.24	81	0.00	0	0R	3H	2W	
25.30	26.82	1.52	1.22	80	0.18	12	0R	3H	1W	
26.82	28.35	1.53	1.47	96	0.52	34	0R	3H	1W	
28.35	29.87	1.52	1.37	90	0.00	0	0R	3H	1W	
29.87	31.39	1.52	1.29	85	0.00	0	0R	3H	1W	
31.39	32.92	1.53	1.29	84	0.00	0	0R	3H	1W	
32.92	34.44	1.52	1.52	100	0.18	12	0R	2H	1W	
34.44	35.97	1.53	1.48	97	0.54	35	0R	2H	1W	
35.97	37.49	1.52	1.4	92	0.44	29	0R	2H	1W	
37.49	39.01	1.52	1.52	100	0.00	0	0R	2H	1W	
39.01	40.54	1.53	1.53	100	0.00	0	0R	2H	1W	
40.54	42.06	1.52	1.48	97	0.00	0	0R	2H	1W	
42.06	43.59	1.53	1.31	86	0.00	0	0R	2H	1W	
43.59	45.11	1.52	1.52	100	0.00	0	0R	2H	1W	
45.11	46.63	1.52	0.9	59	0.00	0	0R	3H	1W	
46.63	48.16	1.53	1.44	94	0.00	0	0R	3H	1W	
48.16	49.68	1.52	1.52	100	0.00	0	0R	2H	1W	
49.68	51.21	1.53	1.53	100	0.00	0	0R	2H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
51.21	52.73	1.52	0.88	58	0.00	0	0R	2H	1W	
52.73	54.25	1.52	1.48	97	0.00	0	0R	2H	1W	
54.25	55.78	1.53	1.23	80	0.00	0	0R	2H	1W	
55.78	58.83	3.05	1.17	38	0.00	0	0R	2H	1W	
58.83	60.35	1.52	1.14	75	0.00	0	0R	2H	1W	
60.35	61.87	1.52	0.96	63	0.00	0	0R	2H	1W	
61.87	63.40	1.53	1.39	91	0.00	0	0R	2H	1W	
63.40	64.92	1.52	1.37	90	0.00	0	0R	2H	1W	
64.92	66.45	1.53	0.85	56	0.00	0	0R	2H	1W	
66.45	67.97	1.52	1.15	76	0.00	0	0R	2H	1W	
67.97	69.50	1.53	1.27	83	0.00	0	0R	2H	1W	
69.50	71.02	1.52	1.49	98	0.00	0	0R	2H	1W	
71.02	72.54	1.52	1.1	72	0.00	0	0R	2H	1W	
72.54	74.06	1.52	1.28	84	0.00	0	0R	2H	1W	
74.06	75.59	1.53	1.24	81	0.00	0	0R	2H	1W	
75.59	77.11	1.52	1.02	67	0.00	0	0R	2H	1W	
77.11	78.64	1.53	1.26	82	0.00	0	0R	2H	1W	
78.64	80.16	1.52	0.96	63	0.00	0	0R	2H	1W	
80.16	81.69	1.53	1.41	92	0.33	22	0R	3H	1W	
81.69	83.21	1.52	1.52	100	0.00	0	0R	2H	1W	
83.21	84.73	1.52	1.52	100	0.00	0	0R	2H	1W	
84.73	86.26	1.53	1.27	83	0.00	0	0R	2H	1W	
86.26	87.78	1.52	1.28	84	0.00	0	0R	2H	1W	
87.78	89.31	1.53	1.03	67	0.00	0	0R	2H	1W	
89.31	90.83	1.52	1.28	84	0.00	0	0R	2H	1W	
90.83	92.35	1.52	1.46	96	0.00	0	0R	2H	1W	
92.35	93.88	1.53	1.41	92	0.00	0	0R	2H	1W	
93.88	95.40	1.52	1.44	95	1.30	86	0R	2H	1W	
95.40	96.93	1.53	1.48	97	0.00	0	0R	2H	1W	
96.93	98.45	1.52	1.15	76	0.00	0	0R	2H	1W	
98.45	99.97	1.52	1.42	93	0.00	0	0R	2H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
99.97	101.50	1.53	1.28	84	0.19	12	0R	3H	1W	
101.50	103.02	1.52	1.46	96	0.20	13	0R	3H	1W	
103.02	104.55	1.53	1.38	90	0.00	0	0R	3H	1W	
104.55	106.07	1.52	0.62	41	0.00	0	0R	2H	1W	
106.07	107.59	1.52	1.2	79	0.32	21	0R	2H	1W	
107.59	109.12	1.53	1.43	93	0.30	20	0R	2H	1W	
109.12	110.64	1.52	1.27	84	0.23	15	0R	2H	1W	
110.64	112.17	1.53	1.47	96	0.20	13	0R	2H	1W	
112.17	113.69	1.52	1.39	91	0.00	0	0R	2H	1W	
113.69	115.21	1.52	1.08	71	0.00	0	0R	2H	1W	
115.21	116.74	1.53	1.17	76	0.00	0	0R	2H	1W	
116.74	118.26	1.52	1.23	81	0.40	26	0R	2H	1W	
118.26	119.79	1.53	1.5	98	0.28	18	0R	2H	1W	
119.79	121.31	1.52	1.42	93	0.46	30	0R	3H	1W	
121.31	122.83	1.52	1.25	82	0.28	18	0R	3H	1W	
122.83	124.36	1.53	1.35	88	0.25	16	0R	3H	1W	
124.36	125.88	1.52	1.46	96	0.22	14	0R	2H	1W	
125.88	127.41	1.53	1.52	99	0.00	0	0R	2H	1W	
127.41	128.93	1.52	1.47	97	0.32	21	0R	2H	1W	
128.93	130.45	1.52	1.46	96	0.00	0	0R	2H	1W	
130.45	131.98	1.53	1.52	99	0.00	0	0R	2H	1W	
131.98	133.50	1.52	1.51	99	0.00	0	0R	2H	1W	
133.50	135.03	1.53	1.37	90	0.00	0	0R	2H	1W	
135.03	136.55	1.52	1.52	100	0.00	0	0R	2H	1W	
136.55	138.07	1.52	1.26	83	0.00	0	0R	2H	1W	
138.07	139.60	1.53	1.44	94	0.36	24	0R	2H	1W	
139.60	141.12	1.52	1.38	91	0.00	0	0R	2H	1W	
141.12	142.65	1.53	1.3	85	0.16	10	0R	2H	1W	
142.65	144.17	1.52	1.52	100	0.00	0	0R	2H	1W	
144.17	145.69	1.52	1.52	100	0.00	0	0R	2H	1W	
145.69	147.22	1.53	1.53	100	0.00	0	0R	2H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
147.22	148.74	1.52	1.52	100	0.77	51	0R	2H	1W	
148.74	150.27	1.53	1.35	88	0.81	53	0R	2H	1W	
150.27	151.79	1.52	1.39	91	0.00	0	0R	2H	1W	
151.79	153.31	1.52	1.5	99	0.00	0	0R	2H	1W	
153.31	154.84	1.53	1.53	100	0.00	0	0R	2H	1W	
154.84	156.36	1.52	1.52	100	0.00	0	0R	2H	1W	
156.36	157.89	1.53	1.53	100	0.80	52	0R	2H	1W	
157.89	159.41	1.52	1.49	98	0.74	49	0R	2H	1W	
159.41	160.93	1.52	1.52	100	0.52	34	0R	2H	1W	
160.93	162.46	1.53	1.43	93	0.76	50	4R	2H	2W	
162.46	163.98	1.52	1.49	98	0.40	26	3R	2H	3W	
163.98	165.51	1.53	1.49	97	0.47	31	4R	2H	3W	
165.51	167.03	1.52	1.52	100	0.32	21	3R	2H	4W	
167.03	168.55	1.52	1.46	96	0.45	30	4R	4H	2W	
168.55	170.08	1.53	1.38	90	0.34	22	4R	3H	3W	
170.08	171.60	1.52	1.51	99	0.27	18	4R	4H	3W	
171.60	173.13	1.53	1.1	72	0.12	8	4R	4H	3W	
173.13	174.65	1.52	1.41	93	0.57	38	4R	4H	3W	
174.65	176.17	1.52	1.52	100	0.32	21	4R	3H	4W	
176.17	177.70	1.53	1.53	100	0.32	21	4R	4H	4W	
177.70	179.22	1.52	1.45	95	0.18	12	4R	4H	3W	
179.22	180.75	1.53	1.46	95	0.26	17	4R	4H	3W	
180.75	182.27	1.52	1.41	93	0.38	25	4R	4H	3W	
182.27	183.79	1.52	1.52	100	0.00	0	4R	4H	4W	
183.79	185.32	1.53	1.31	86	0.00	0	4R	4H	4W	
185.32	186.84	1.52	1.28	84	0.27	18	4R	4H	3W	
186.84	188.37	1.53	1.41	92	0.23	15	3R	3H	3W	
188.37	189.89	1.52	1.41	93	1.28	84	4R	4H	1W	
189.89	191.41	1.52	1.52	100	1.50	99	4R	1H	1W	
191.41	192.94	1.53	1.46	95	1.28	84	4R	4H	1W	
192.94	194.46	1.52	1.52	100	1.27	84	4R	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
194.46	195.99	1.53	1.33	87	1.10	72	4R	3H	1W	
195.99	197.51	1.52	1.5	99	0.89	59	4R	3H	1W	
197.51	199.03	1.52	1.49	98	1.24	82	4R	3H	1W	
199.03	200.56	1.53	1.5	98	1.41	92	4R	4H	1W	
200.56	202.08	1.52	1.52	100	1.39	91	4R	4H	1W	
202.08	203.61	1.53	1.53	100	1.26	82	4R	4H	1W	
203.61	205.13	1.52	1.44	95	1.19	78	4R	4H	1W	
205.13	206.65	1.52	1.52	100	1.50	99	4R	4H	1W	
206.65	208.18	1.53	1.53	100	1.34	88	4R	4H	1W	
208.18	209.70	1.52	1.47	97	1.37	90	4R	4H	1W	
209.70	211.23	1.53	1.47	96	1.45	95	4R	4H	1W	
211.23	212.75	1.52	1.44	95	1.30	86	4R	4H	1W	
212.75	214.27	1.52	1.52	100	1.50	99	4R	4H	1W	
214.27	215.80	1.53	1.53	100	1.29	84	4R	4H	1W	
215.80	217.32	1.52	1.52	100	1.23	81	3R	3H	1W	
217.32	218.85	1.53	1.33	87	0.96	63	3R	3H	2W	
218.85	220.37	1.52	1.52	100	0.81	53	3R	3H	2W	
220.37	221.89	1.52	1.42	93	1.19	78	3R	3H	2W	
221.89	223.42	1.53	1.53	100	1.34	88	3R	3H	1W	
223.42	224.94	1.52	1.52	100	1.37	90	3R	3H	1W	
224.94	226.47	1.53	1.53	100	1.15	75	3R	3H	1W	
226.47	227.99	1.52	1.36	89	0.78	51	3R	3H	1W	

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From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	S036671	☐	N16-002	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036677	☐	N16-003	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036686	☐	N16-003	Core	CS1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036698	☐	N16-003	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036706	☐	N16-003	Core	CS1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036713	☐	N16-004	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036723	☐	N16-004	Core	CS1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036730	☐	N16-004	Core	CS2	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036734	☐	N16-004	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036758	☐	N16-005	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036669	☐	N16-002	Core	CS1	☐	☐	☐
8.44	10.06	1.62	LST, SHL	1.24	77	S036667	☐	N16-002	Core		☐	☐	☐
8.44	14.63	6.19	LST, SHL	0.00	0	Q010734	☐	N16-C03	Chip		☐	☐	☐
10.06	13.11	3.05	SHL	1.64	54	S036668	☐	N16-002	Core		☐	☐	☐
13.11	16.15	3.04	SHL	2.12	70	S036670	☐	N16-002	Core		☐	☐	☐
14.63	22.25	7.62	SHL	0.00	0	Q010735	☐	N16-C03	Chip		☐	☐	☐
16.15	19.20	3.05	SHL	1.88	62	S036672	☐	N16-002	Core		☐	☐	☐
19.20	22.25	3.05	SHL	2.43	80	S036673	☐	N16-003	Core		☐	☐	☐
22.25	25.30	3.05	SHL	2.14	70	S036674	☐	N16-003	Core		☐	☐	☐
22.25	29.87	7.62	SHL	0.00	0	Q010736	☐	N16-C03	Chip		☐	☐	☐
25.30	26.82	1.52	SHL	1.22	80	S036675	☐	N16-003	Core		☐	☐	☐
26.82	28.35	1.53	SHL	1.47	96	S036676	☐	N16-003	Core		☐	☐	☐
28.35	31.39	3.04	SHL	2.66	88	S036678	☐	N16-003	Core		☐	☐	☐
29.87	37.49	7.62	SHL	0.00	0	Q010737	☐	N16-C03	Chip		☐	☐	☐
31.39	34.44	3.05	SHL	2.81	92	S036679	☐	N16-003	Core		☐	☐	☐
34.44	37.49	3.05	SHL	2.88	94	S036680	☐	N16-003	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
34.44	37.49	3.05	SHL	2.88	94	S036681	☐	N16-003	Core		☐	☐	☑
37.49	40.54	3.05	SHL	3.05	100	S036682	☐	N16-003	Core		☐	☐	☐
37.49	45.55	8.06	SHL	0.00	0	Q010738	☐	N16-C03	Chip		☐	☐	☐
40.54	43.59	3.05	SHL	2.79	91	S036683	☐	N16-003	Core		☐	☐	☐
43.59	46.63	3.04	SHL	2.42	80	S036684	☐	N16-003	Core		☐	☐	☐
45.55	52.73	7.18	SHL	0.00	0	Q010739	☐	N16-C03	Chip		☐	☐	☐
46.63	49.68	3.05	SHL	2.96	97	S036685	☐	N16-003	Core		☐	☐	☐
49.68	52.73	3.05	SHL	2.41	79	S036687	☐	N16-003	Core		☐	☐	☐
52.73	55.78	3.05	SHL	2.71	89	S036688	☐	N16-003	Core		☐	☐	☐
52.73	60.35	7.62	SHL	0.00	0	Q010740	☐	N16-C03	Chip		☐	☐	☐
55.78	58.83	3.05	SHL	1.17	38	S036689	☐	N16-003	Core		☐	☐	☐
58.83	61.87	3.04	SHL	2.10	69	S036690	☐	N16-003	Core		☐	☐	☐
60.35	67.97	7.62	SHL	0.00	0	Q010741	☐	N16-C03	Chip		☐	☐	☐
61.87	64.92	3.05	SHL	2.76	90	S036691	☐	N16-003	Core		☐	☐	☐
64.92	67.97	3.05	SHL	2.00	66	S036692	☐	N16-003	Core		☐	☐	☐
67.97	71.02	3.05	SHL	2.76	90	S036693	☐	N16-003	Core		☐	☐	☐
67.97	75.59	7.62	SHL	0.00	0	Q010742	☐	N16-C03	Chip		☐	☐	☐
71.02	74.07	3.05	SHL	2.38	78	S036694	☐	N16-003	Core		☐	☐	☐
74.07	77.11	3.04	SHL	2.26	74	S036695	☐	N16-003	Core		☐	☐	☐
75.59	83.21	7.62	SHL	0.00	0	Q010743	☐	N16-C03	Chip		☐	☐	☐
77.11	80.16	3.05	SHL	2.22	73	S036696	☐	N16-003	Core		☐	☐	☐
80.16	83.21	3.05	SHL	2.93	96	S036697	☐	N16-003	Core		☐	☐	☐
83.21	86.26	3.05	SHL	2.77	91	S036699	☐	N16-003	Core		☐	☐	☐
83.21	90.83	7.62	SHL	0.00	0	Q010744	☐	N16-C03	Chip		☐	☐	☐
86.26	89.31	3.05	SHL	2.31	76	S036700	☐	N16-003	Core		☐	☐	☐
89.31	92.35	3.04	SHL	2.74	90	S036701	☐	N16-003	Core		☐	☐	☐
90.83	98.45	7.62	SHL	0.00	0	Q010745	☐	N16-C03	Chip		☐	☐	☐
92.35	95.40	3.05	SHL	2.85	93	S036702	☐	N16-003	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
92.35	95.40	3.05	SHL	2.85	93	S036703	☐	N16-003	Core		☐	☑	☐
95.40	98.45	3.05	SHL	2.63	86	S036704	☐	N16-003	Core		☐	☐	☐
98.45	101.50	3.05	SHL	2.70	89	S036705	☐	N16-003	Core		☐	☐	☐
98.45	106.07	7.62	SHL	0.00	0	Q010746	☐	N16-C03	Chip		☐	☐	☐
101.50	104.55	3.05	SHL	2.84	93	S036707	☐	N16-003	Core		☐	☐	☐
104.55	107.59	3.04	SHL	1.82	60	S036708	☐	N16-003	Core		☐	☐	☐
106.07	113.69	7.62	SHL	0.00	0	Q010747	☐	N16-C03	Chip		☐	☐	☐
107.59	110.64	3.05	SHL	2.70	89	S036709	☐	N16-004	Core		☐	☐	☐
110.64	113.69	3.05	SHL	2.86	94	S036710	☐	N16-004	Core		☐	☐	☐
113.69	116.74	3.05	SHL	2.25	74	S036711	☐	N16-004	Core		☐	☐	☐
113.69	121.31	7.62	SHL	0.00	0	Q010748	☐	N16-C03	Chip		☐	☐	☐
116.74	119.79	3.05	SHL	2.73	90	S036712	☐	N16-004	Core		☐	☐	☐
119.79	122.83	3.04	SHL	2.67	88	S036714	☐	N16-004	Core		☐	☐	☐
121.31	128.93	7.62	SHL	0.00	0	Q010749	☐	N16-C03	Chip		☐	☐	☐
122.83	125.88	3.05	SHL	2.81	92	S036715	☐	N16-004	Core		☐	☐	☐
125.88	128.93	3.05	SHL	2.97	97	S036716	☐	N16-004	Core		☐	☐	☐
128.93	131.98	3.05	SHL	2.97	97	S036717	☐	N16-004	Core		☐	☐	☐
128.93	136.55	7.62	SHL	0.00	0	Q010750	☐	N16-C03	Chip		☐	☐	☐
128.93	131.98	3.05	SHL	2.97	97	S036718	☐	N16-004	Core		☐	☐	☑
131.98	135.03	3.05	SHL	2.88	94	S036719	☐	N16-004	Core		☐	☐	☐
135.03	138.07	3.04	SHL	2.78	91	S036720	☐	N16-004	Core		☐	☐	☐
136.55	144.17	7.62	SHL	0.00	0	Q010751	☐	N16-C03	Chip		☐	☐	☐
138.07	141.12	3.05	SHL	2.82	92	S036721	☐	N16-004	Core		☐	☐	☐
141.12	144.17	3.05	SHL	2.82	92	S036722	☐	N16-004	Core		☐	☐	☐
144.17	147.22	3.05	SHL	3.04	100	S036724	☐	N16-004	Core		☐	☐	☐
144.17	153.31	9.14	SHL	0.00	0	Q010752	☐	N16-C03	Chip		☐	☐	☐
147.22	150.27	3.05	SHL	2.87	94	S036725	☐	N16-004	Core		☐	☐	☐
150.27	153.31	3.04	SHL	2.89	95	S036726	☐	N16-004	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
153.31	156.36	3.05	SHL	3.05	100	S036727	☐	N16-004	Core		☐	☐	☐
153.31	161.56	8.25	SHL	0.00	0	Q010724	☐	N16-C03	Chip		☐	☐	☐
156.36	159.41	3.05	SHL	3.02	99	S036728	☐	N16-004	Core		☐	☐	☐
159.41	161.55	2.14	SHL	2.14	100	S036729	☐	N16-004	Core		☐	☐	☐
161.55	162.87	1.32	SHL	1.23	93	S036731	☐	N16-004	Core		☐	☐	☐
161.56	168.55	6.99	SHL, LST	0.00	0	Q010725	☐	N16-C03	Chip		☐	☐	☐
162.87	164.07	1.20	LST	1.17	98	S036732	☐	N16-004	Core		☐	☐	☐
164.07	167.03	2.96	LST	2.86	97	S036733	☐	N16-004	Core		☐	☐	☐
167.03	170.08	3.05	LST	2.84	93	S036735	☐	N16-004	Core		☐	☐	☐
168.55	176.17	7.62	LST	0.00	0	Q010726	☐	N16-C03	Chip		☐	☐	☐
170.08	173.13	3.05	LST	2.51	82	S036736	☐	N16-004	Core		☐	☐	☐
173.13	174.81	1.68	LST	1.41	84	S036737	☐	N16-004	Core		☐	☐	☐
174.81	176.17	1.36	LST	1.23	90	S036738	☐	N16-004	Core		☐	☐	☐
174.81	176.17	1.36	LST	1.23	90	S036739	☐	N16-004	Core		☐	☑	☐
176.17	179.22	3.05	LST	2.98	98	S036740	☐	N16-004	Core		☐	☐	☐
176.17	183.79	7.62	LST	0.00	0	Q010727	☐	N16-C03	Chip		☐	☐	☐
179.22	182.27	3.05	LST	2.87	94	S036741	☐	N16-004	Core		☐	☐	☐
182.27	184.20	1.93	LST	1.58	82	S036742	☐	N16-004	Core		☐	☐	☐
183.79	188.06	4.27	LST	0.00	0	Q010728	☐	N16-C03	Chip		☐	☐	☐
184.20	185.32	1.12	LST	0.70	63	S036743	☐	N16-004	Core		☐	☐	☐
185.32	187.25	1.93	LST	1.44	75	S036744	☐	N16-004	Core		☐	☐	☐
187.25	188.02	0.77	LST	0.77	100	S036745	☐	N16-005	Core		☐	☐	☐
188.02	189.89	1.87	LST	1.70	91	S036746	☐	N16-005	Core		☐	☐	☐
188.06	195.99	7.93	LST	0.00	0	Q010729	☐	N16-C03	Chip		☐	☐	☐
189.89	192.94	3.05	LST	2.98	98	S036747	☐	N16-005	Core		☐	☐	☐
192.94	195.99	3.05	LST	2.85	93	S036748	☐	N16-005	Core		☐	☐	☐
195.99	203.61	7.62	LST	0.00	0	Q010730	☐	N16-C03	Chip		☐	☐	☐
195.99	199.03	3.04	LST	1.99	65	S036749	☐	N16-005	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
199.03	202.08	3.05	LST	3.02	99	S036750	☐	N16-005	Core		☐	☐	☐
202.08	205.13	3.05	LST	2.97	97	S036751	☐	N16-005	Core		☐	☐	☐
203.61	211.23	7.62	LST	0.00	0	Q010731	☐	N16-C03	Chip		☐	☐	☐
205.13	208.18	3.05	LST	3.05	100	S036752	☐	N16-005	Core		☐	☐	☐
205.13	208.18	3.05	LST	3.05	100	S036753	☐	N16-005	Core		☐	☑	☐
208.18	211.23	3.05	LST	2.94	96	S036754	☐	N16-005	Core		☐	☐	☐
211.23	214.27	3.04	LST	2.96	97	S036755	☐	N16-005	Core		☐	☐	☐
211.23	218.85	7.62	LST	0.00	0	Q010732	☐	N16-C03	Chip		☐	☐	☐
214.27	217.32	3.05	LST	3.05	100	S036756	☐	N16-005	Core		☐	☐	☐
217.32	220.37	3.05	LST	2.85	93	S036757	☐	N16-005	Core		☐	☐	☐
218.85	227.99	9.14	LST	0.00	0	Q010733	☐	N16-C03	Chip		☐	☐	☐
220.37	223.42	3.05	LST	2.95	97	S036759	☐	N16-005	Core		☐	☐	☐
223.42	226.47	3.05	LST	3.05	100	S036760	☐	N16-005	Core		☐	☐	☐
226.47	227.99	1.52	LST	1.32	87	S036761	☐	N16-005	Core		☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618855	7113124	1368	138.07

ZONE: Orion

SECTION:

HOLE: AN -16-012

CLAIM: Dale 12

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth: 10.67m, Out

Drilling Dates: Aug 20 - Aug 22, 2016

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
9.14	143.93	-85.4	Reflex
137.16	234.03	-50.6	Reflex

TARGET: Drilled towards to Anubis fault

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	5.44	5.44	OVB
5.44	7.01	1.57	OVB
7.01	47.95	40.94	SHL
47.95	52.73	4.78	SHL
52.73	60.35	7.62	FLR
60.35	138.07	77.72	LST

SAMPLES	
Numbers:	Q010753 to Q010770, S036762 to S036819
Total:	76
Batch:	005, 006, 007, C04
Certificates:	VA16145520, VA16145521, WH16139894, WH16139954

COMMENTS
Hole ended drilling into footwall limestone that was fresh and unaltered.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
7.01	21.32	14.31	SHL	VF	Partially to significantly clay altered and rubbly black shale. Trace to weak oxidation along fracture surfaces. Oxidation intensity and abundance decreases with depth.							
						DK	BK	RB	OXI	1I		
									CLY	2I		
									CLY	1I		
									OXI	2I		
21.32	41.85	20.53	SHL	VF	Rubbly partially clay altered black shale.							
						DK	BK	RB	CLY	2I		
41.85	47.95	6.10	SHL	VF	Black shale that is competent but highly fractured with moderate to strong oxidation along fracture surfaces fault breccia(?). Gives a brecciated orange net texture to the black shale. Weakly calcareous.							
						MD	OR					
						DK	BK	FR	OXI	3I		
52.73	60.35	7.62	FLR	FG	Fault breccia comprised of ~30% calcareous black shale and ~70% grey limestone. Moderate to strongly oxidized. <10% gouge altered. Oxidation partially obscures rock textures.							
						MD	OR	BX	OXI	3I		
						MD	GY					
						DK	BK		OXI	4I		
60.35	69.49	9.14	LST	VF	Heavily calcite veined limestone with patchy moderate to strong oxidation along fracture surfaces. Veining is ~40% of the core.							
						MD	GY	FR	OXI	2I		
						MD	OR		OXI	3I		
69.49	128.01	58.52	LST	VF	Medium grey limestone. Moderately oxidized along fracture surfaces. Oxidation ends at 72.76m. Calcite veining is less then 10% of core. Trace realgar in calcite veining.							
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
128.01	138.07	10.06	LST	VF	Crackle texture massive limestone. Patchy moderate to strong oxidation along fracture surfaces. <10% calcite veining.							
						MD	GY	CR	OXI	2I		
									OXI	1I		

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From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
7.01	47.95	40.94	SHL	VF	Partially to significantly clay altered and rubbly black shale. Trace to weak oxidation along fracture surfaces at top of hole. Oxidation intensity and abundance decreases with depth.							
									CLY	2I		
									CLY	1I		
									OXI	2I		
						DK	BK	RB	OXI	1I		
52.73	60.35	7.62	FLR	FG	Fault breccia comprised of ~30% calcareous black shale and ~70% grey limestone. Moderate to strongly oxidized. <10% gouge altered. Oxidation partially obscures rock textures.							
						MD	GY					
						DK	BK		OXI	4I		
						MD	OR	BX	OXI	3I		
60.35	138.07	77.72	LST	VF	Medium grey massive limestone, high abundances of calcite veining and strongly oxidized fracture surfaces. Abundances and intensity of oxidation decreases with depth. Trace realgar in calcite veining.							
									OXI	2I		
						MD	GY	MA	OXI	1I	Re	0.1

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	5.49	5.49	0	0	0.00	0	--	--	--	Overburden, no recovery.
5.49	7.01	1.52	0.06	4	0.00	0	0R	1H	3W	
7.01	8.53	1.52	0.14	9	0.00	0	0R	1H	3W	
8.53	10.06	1.53	1.31	86	0.00	0	0R	1H	3W	
10.06	11.58	1.52	1.32	87	0.00	0	0R	1H	3W	
11.58	13.11	1.53	0.92	60	0.00	0	0R	1H	3W	
13.11	14.63	1.52	1.06	70	0.00	0	0R	2H	3W	
14.63	16.15	1.52	0.78	51	0.00	0	0R	2H	3W	
16.15	17.68	1.53	0.83	54	0.00	0	0R	2H	2W	
17.68	19.20	1.52	1.21	80	0.00	0	0R	2H	2W	
19.20	20.73	1.53	1.05	69	0.00	0	0R	2H	2W	
20.73	22.25	1.52	1.45	95	0.00	0	0R	1H	2W	
22.25	23.77	1.52	0.93	61	0.00	0	0R	1H	1W	
23.77	25.91	2.14	1.3	61	0.00	0	0R	2H	1W	
25.91	26.82	0.91	0.7	77	0.00	0	0R	2H	1W	
26.82	28.35	1.53	1.34	88	0.00	0	0R	2H	1W	
28.35	29.87	1.52	1.3	86	0.00	0	0R	2H	1W	
29.87	31.39	1.52	1.07	70	0.00	0	0R	2H	1W	
31.39	32.92	1.53	1.18	77	0.00	0	0R	2H	1W	
32.92	34.44	1.52	1.22	80	0.00	0	0R	2H	1W	
34.44	35.97	1.53	1.32	86	0.00	0	0R	2H	1W	
35.97	37.49	1.52	1.28	84	0.00	0	0R	2H	1W	
37.49	39.01	1.52	1.11	73	0.00	0	0R	1H	2W	
39.01	40.54	1.53	1.53	100	0.00	0	0R	2H	2W	
40.54	42.06	1.52	1.32	87	0.54	36	0R	3H	2W	
42.06	43.59	1.53	1.45	95	1.09	71	0R	3H	2W	
43.59	45.11	1.52	1.51	99	1.05	69	0R	3H	2W	
45.11	46.63	1.52	1.43	94	0.94	62	0R	3H	2W	
46.63	48.15	1.52	1.52	100	0.00	0	0R	3H	3W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
48.15	49.68	1.53	1.35	88	0.62	41	0R	3H	3W	
49.68	51.21	1.53	1.29	84	0.11	7	0R	2H	4W	
51.21	52.73	1.52	1.21	80	0.00	0	0R	2H	4W	
52.73	54.25	1.52	1.16	76	0.72	47	3R	3H	4W	
54.25	55.78	1.53	1.42	93	0.76	50	3R	3H	4W	
55.78	57.30	1.52	1.51	99	0.96	63	3R	3H	4W	
57.30	58.83	1.53	1.36	89	1.02	67	3R	2H	4W	
58.83	60.35	1.52	1.47	97	0.86	57	3R	3H	4W	
60.35	61.87	1.52	1.31	86	0.62	41	4R	3H	3W	
61.87	63.40	1.53	1.39	91	0.90	59	4R	3H	3W	
63.40	64.92	1.52	1.25	82	0.33	22	4R	3H	3W	
64.92	66.45	1.53	1.47	96	0.65	42	4R	3H	3W	
66.45	67.97	1.52	1.47	97	0.96	63	4R	3H	4W	
67.97	69.49	1.52	1.18	78	0.43	28	4R	3H	4W	
69.49	71.02	1.53	1.53	100	1.04	68	4R	4H	2W	
71.02	72.54	1.52	1.52	100	1.28	84	4R	4H	2W	
72.54	74.07	1.53	1.53	100	1.35	88	4R	4H	2W	
74.07	75.59	1.52	1.52	100	1.41	93	4R	4H	1W	
75.59	77.11	1.52	1.52	100	1.52	100	4R	4H	1W	
77.11	78.64	1.53	1.53	100	1.53	100	4R	4H	1W	
78.64	80.16	1.52	1.52	100	1.52	100	4R	4H	1W	
80.16	81.69	1.53	1.53	100	1.53	100	4R	4H	1W	
81.69	83.21	1.52	1.49	98	1.35	89	4R	4H	1W	
83.21	84.73	1.52	1.45	95	1.36	89	4R	4H	1W	
84.73	86.26	1.53	1.53	100	1.48	97	4R	4H	1W	
86.26	87.78	1.52	1.52	100	1.52	100	4R	4H	1W	
87.78	89.31	1.53	1.4	92	1.37	90	4R	4H	1W	
89.31	90.83	1.52	1.52	100	1.34	88	4R	4H	1W	
90.83	92.35	1.52	1.52	100	1.52	100	4R	4H	1W	
92.35	93.88	1.53	1.53	100	1.53	100	4R	4H	1W	
93.88	95.41	1.53	1.25	82	1.19	78	4R	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
95.41	96.93	1.52	1.52	100	1.52	100	4R	4H	1W	
96.93	98.45	1.52	1.52	100	1.40	92	4R	4H	2W	
98.45	99.97	1.52	1.52	100	1.40	92	4R	4H	2W	
99.97	101.50	1.53	1.53	100	1.32	86	4R	4H	2W	
101.50	103.02	1.52	1.52	100	1.52	100	4R	4H	2W	
103.02	104.55	1.53	1.51	99	1.42	93	4R	4H	2W	
104.55	106.07	1.52	1.52	100	1.52	100	4R	4H	2W	
106.07	107.59	1.52	1.4	92	1.40	92	4R	4H	1W	
107.59	109.12	1.53	1.53	100	1.52	99	4R	4H	2W	
109.12	110.64	1.52	1.5	99	1.50	99	4R	4H	1W	
110.64	112.17	1.53	1.53	100	1.26	82	4R	4H	2W	
112.17	113.69	1.52	1.47	97	1.36	89	4R	4H	2W	
113.69	115.21	1.52	1.52	100	1.34	88	4R	4H	2W	
115.21	116.74	1.53	1.44	94	1.44	94	4R	4H	1W	
116.74	118.26	1.52	1.5	99	1.45	95	4R	4H	2W	
118.26	119.79	1.53	1.43	93	1.43	93	4R	4H	3W	
119.79	121.31	1.52	1.42	93	1.42	93	4R	4H	2W	
121.31	122.83	1.52	1.51	99	1.40	92	4R	4H	1W	
122.83	124.36	1.53	1.53	100	1.53	100	4R	4H	1W	
124.36	125.88	1.52	1.47	97	1.47	97	4R	4H	2W	
125.88	127.41	1.53	1.53	100	1.36	89	4R	4H	3W	
127.41	128.93	1.52	1.41	93	1.41	93	4R	4H	2W	
128.93	130.45	1.52	1.52	100	1.52	100	4R	4H	2W	
130.45	133.50	3.05	1.53	50	1.42	47	4R	4H	3W	
133.50	135.03	1.53	1.43	93	0.90	59	4R	4H	2W	
135.03	136.55	1.52	1.52	100	1.49	98	4R	4H	2W	
136.55	138.07	1.52	1.38	91	1.38	91	4R	4H	2W	

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From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	S036773	☐	N16-005	Core	CS1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036777	☐	N16-005	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036790	☐	N16-006	Core	CS2	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036798	☐	N16-006	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036802	☐	N16-006	Core	CS1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036811	☐	N16-006	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036765	☐	N16-005	Core	CS2	☐	☐	☐
7.01	14.63	7.62	SHL, OVB	0.00	0	Q010753	☐	N16-C04	Chip		☐	☐	☐
7.01	10.06	3.05	SHL, OVB	1.51	50	S036762	☐	N16-005	Core		☐	☐	☐
10.06	13.11	3.05	SHL	2.24	73	S036763	☐	N16-005	Core		☐	☐	☐
13.11	16.15	3.04	SHL	1.84	61	S036764	☐	N16-005	Core		☐	☐	☐
14.63	22.25	7.62	SHL	0.00	0	Q010754	☐	N16-C04	Chip		☐	☐	☐
16.15	19.20	3.05	SHL	2.04	67	S036766	☐	N16-005	Core		☐	☐	☐
19.20	22.25	3.05	SHL	2.50	82	S036767	☐	N16-005	Core		☐	☐	☐
22.25	25.30	3.05	SHL	2.23	73	S036768	☐	N16-005	Core		☐	☐	☐
22.25	29.87	7.62	SHL	0.00	0	Q010755	☐	N16-C04	Chip		☐	☐	☐
22.25	25.30	3.05	SHL	2.23	73	S036769	☐	N16-005	Core		☐	☐	☑
25.91	28.35	2.44	SHL	2.04	84	S036770	☐	N16-005	Core		☐	☐	☐
28.35	31.39	3.04	SHL	2.37	78	S036771	☐	N16-005	Core		☐	☐	☐
29.87	37.49	7.62	SHL	0.00	0	Q010756	☐	N16-C04	Chip		☐	☐	☐
31.39	34.44	3.05	SHL	2.40	79	S036772	☐	N16-005	Core		☐	☐	☐
34.44	36.00	1.56	SHL	1.56	100	S036774	☐	N16-005	Core		☐	☐	☐
36.00	39.01	3.01	SHL	2.39	79	S036775	☐	N16-005	Core		☐	☐	☐
37.49	41.85	4.36	SHL	0.00	0	Q010757	☐	N16-C04	Chip		☐	☐	☐
39.01	41.85	2.84	SHL	2.84	100	S036776	☐	N16-005	Core		☐	☐	☐
41.85	43.59	1.74	SHL	1.73	99	S036778	☐	N16-005	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
41.85	47.87	6.02	SHL	0.00	0	Q010758	☐	N16-C04	Chip		☐	☐	☐
43.59	45.11	1.52	SHL	1.51	99	S036779	☐	N16-005	Core		☐	☐	☐
45.11	47.87	2.76	SHL	2.76	100	S036780	☐	N16-005	Core		☐	☐	☐
47.87	52.73	4.86	SHL	0.00	0	Q010759	☐	N16-C04	Chip		☐	☐	☐
47.87	50.30	2.43	SHL	2.33	96	S036781	☐	N16-006	Core		☐	☐	☐
50.30	52.73	2.43	SHL	2.26	93	S036782	☐	N16-006	Core		☐	☐	☐
52.73	55.00	2.27	FLR, SHL	1.94	85	S036783	☐	N16-006	Core		☐	☐	☐
52.73	60.35	7.62	FLR, SHL	0.00	0	Q010760	☐	N16-C04	Chip		☐	☐	☐
55.00	57.30	2.30	FLR	2.29	100	S036784	☐	N16-006	Core		☐	☐	☐
57.30	58.83	1.53	FLR	1.36	89	S036785	☐	N16-006	Core		☐	☐	☐
58.83	60.35	1.52	FLR	1.47	97	S036786	☐	N16-006	Core		☐	☐	☐
60.35	69.49	9.14	FLR, LST	0.00	0	Q010761	☐	N16-C04	Chip		☐	☐	☐
60.35	63.40	3.05	FLR, LST	2.70	89	S036787	☐	N16-006	Core		☐	☐	☐
63.40	66.45	3.05	LST	2.72	89	S036788	☐	N16-006	Core		☐	☐	☐
66.45	69.49	3.04	LST	2.65	87	S036789	☐	N16-006	Core		☐	☐	☐
69.49	72.11	2.62	LST	0.00	0	Q010762	☐	N16-C04	Chip		☐	☐	☐
69.49	72.54	3.05	LST	3.04	100	S036791	☐	N16-006	Core		☐	☐	☐
72.11	84.73	12.62	LST	0.00	0	Q010763	☐	N16-C04	Chip		☐	☐	☐
72.54	75.59	3.05	LST	3.05	100	S036792	☐	N16-006	Core		☐	☐	☐
75.59	78.64	3.05	LST	3.05	100	S036793	☐	N16-006	Core		☐	☐	☐
78.64	81.69	3.05	LST	3.05	100	S036794	☐	N16-006	Core		☐	☐	☐
78.64	81.69	3.05	LST	3.05	100	S036795	☐	N16-006	Core		☐	☑	☐
81.69	84.73	3.04	LST	2.94	97	S036796	☐	N16-006	Core		☐	☐	☐
84.73	87.78	3.05	LST	3.05	100	S036797	☐	N16-006	Core		☐	☐	☐
84.73	92.35	7.62	LST	0.00	0	Q010764	☐	N16-C04	Chip		☐	☐	☐
87.78	90.83	3.05	LST	2.92	96	S036799	☐	N16-006	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
90.83	93.88	3.05	LST	3.05	100	S036800	☐	N16-006	Core		☐	☐	☐
92.35	99.97	7.62	LST	0.00	0	Q010765	☐	N16-C04	Chip		☐	☐	☐
93.88	96.93	3.05	LST	2.81	92	S036801	☐	N16-006	Core		☐	☐	☐
96.93	99.97	3.04	LST	3.04	100	S036803	☐	N16-006	Core		☐	☐	☐
99.97	103.02	3.05	LST	3.05	100	S036804	☐	N16-006	Core		☐	☐	☐
99.97	107.59	7.62	LST	0.00	0	Q010766	☐	N16-C04	Chip		☐	☐	☐
103.02	104.55	1.53	LST	1.53	100	S036805	☐	N16-006	Core		☐	☐	☐
104.55	107.59	3.04	LST	2.92	96	S036806	☐	N16-006	Core		☐	☐	☐
104.55	107.59	3.04	LST	2.92	96	S036807	☐	N16-006	Core		☐	☐	☑
107.59	110.64	3.05	LST	3.03	99	S036808	☐	N16-006	Core		☐	☐	☐
107.59	115.21	7.62	LST	0.00	0	Q010767	☐	N16-C04	Chip		☐	☐	☐
110.64	113.69	3.05	LST	3.03	99	S036809	☐	N16-006	Core		☐	☐	☐
113.69	116.74	3.05	LST	2.96	97	S036810	☐	N16-006	Core		☐	☐	☐
115.21	122.83	7.62	LST	0.00	0	Q010768	☐	N16-C04	Chip		☐	☐	☐
116.74	119.79	3.05	LST	2.93	96	S036812	☐	N16-006	Core		☐	☐	☐
119.79	122.83	3.04	LST	3.03	100	S036813	☐	N16-006	Core		☐	☐	☐
122.83	125.88	3.05	LST	3.00	98	S036814	☐	N16-006	Core		☐	☐	☐
122.83	130.45	7.62	LST	0.00	0	Q010769	☐	N16-C04	Chip		☐	☐	☐
125.88	128.93	3.05	LST	2.94	96	S036815	☐	N16-006	Core		☐	☐	☐
128.93	131.98	3.05	LST	3.05	100	S036816	☐	N16-006	Core		☐	☐	☐
130.45	138.07	7.62	LST	0.00	0	Q010770	☐	N16-C04	Chip		☐	☐	☐
131.98	133.50	1.52	LST	1.52	100	S036817	☐	N16-007	Core		☐	☐	☐
133.50	135.03	1.53	LST	1.43	93	S036818	☐	N16-007	Core		☐	☐	☐
135.03	138.07	3.04	LST	2.90	95	S036819	☐	N16-007	Core		☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618855	7113124	1368	129.24

ZONE: Orion

SECTION:

HOLE: AN -16-013

CLAIM: Dale 12

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth: 4.57m, Out

Drilling Dates: Aug 22 - Aug 24, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
28.34	235.43	-86.6	Reflex
128.93	227.03	-86.8	Reflex

TARGET: Anubis Fault

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	5.34	5.34	OVB
5.34	89.31	83.97	SHL
89.31	100.21	10.9	SHL
100.21	103.24	3.03	FLT
103.24	129.24	26	LST

SAMPLES	
Numbers:	Q010771 to Q010788, S036820 to S036877
Total:	76
Batch:	007, 008, C05
Certificates:	VA16145521, WH16144493

COMMENTS

Hole ended once through the Anubis fault and into the limestone. We had planned to drill a bit further into the limestone, but drill hole conditions did not allow for efficient continuation of the drill hole.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
5.34	14.63	9.29	SHL	VF	Dark black rubbly, fractured shale. Fine beds of pyrite throughout, generally thinner than 2mm, and discontinuous. Wavy, irregularly planar morphology. Some sections of shale are softer (mushy recovery) with stronger pervasive hydrothermal alteration. Fracture-limited weathering and oxide development occurs, with oxide products being light white-yellow-orange in colour. Pyrite has been weathered away.							
						DK	BK	RB	OXI	2I		
								FR				
14.63	38.45	23.82	SHL	VF	Dark black rubbly, fractured shale. Fine beds of pyrite throughout, generally thinner than 2mm, and discontinuous. Wavy, irregularly planar morphology. Some sections of shale are softer (mushy recovery) with stronger pervasive hydrothermal alteration.							
						DK	BK	FR	OXI	1I	Py	0.1
								RB				
38.45	80.96	42.51	SHL	VF	Moderate hydrothermally altered, rubbly, fractured, clay-rich shales that have been brecciated. Clasts include angular pieces of massive pyrite. Recovery alternates between rubble and clay. Recovery is more competent below 55m depth, though, still easily broken by hand. Rare calcite veinlets at 1 per 5m spacing.							
						DK	BK	FR	CLY	3I	Py	0.5
								RB				
								BX				
80.96	89.31	8.35	SHL	VF	Dominated by brecciation, fracturing, rubble, and short gouge intervals, with 5-10% medium grey sandy shale interbeds. Gouge is 5% of recovery. Some oxide on fractures, mostly light white-yellow. Some pyrite and calcite vein clasts. Some trace realgar on oxide fractures.							
						MD	GY	FR	CLY	2I	Re	0.1
						DK	BK	RB	OXI	2I	Py	0.1
								BX				
89.31	100.21	10.90	SHL	VF	Brecciated shale adjacent to fault plane. Semi-pervasive oxide along fractures and in matrix. Much of matrix is medium orange, and increases to 50% of recovery below 96.93m.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	OR	SN	OXI	4I		
						DK	BK	BX				
100.21	103.24	3.03	FLT	FG	Pervasive strong oxide in fault plane. 20 cm of bright yellow gouge. Pervasive gouge in 10% of recovery. Recovery is mostly crumbled.							
						MD	OR	FR	OXI	5I		
								SN				
								RB				
103.24	111.17	7.93	LST	FG	Medium grey limestone with fracture-hosted oxide and gouge.							
						MD	OR	FR				
						MD	GY	CR	OXI	4I		
111.17	129.24	18.07	LST	FG	Medium grey limestone with fracture-hosted oxide and gouge, cut by calcite veinlets at varying angles (increasing frequency with depth). Some trace realgar in calcite veinlets. Limestone has crackled texture from dark grey-black seams, increasing in frequency below 116 m. Patchy bleaching in 30-50 cm sections.							
						MD	GY	CR	OXI	3I	Re	0.1
						MD	OR					
						LT	GY					

AN -16-013

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
5.34	89.31	83.97	SHL	VF	Dark black rubbly, fractured shale. Fine beds of pyrite throughout, generally thinner than 2mm, and discontinuous. Wavy, irregularly planar morphology. Some sections of shale are softer (mushy recovery) with stronger pervasive hydrothermal alteration.							
								RB				
						DK	BK	FR	OXI	1I	Py	0.1
89.31	100.21	10.90	SHL	VF	Brecciated shale adjacent to fault plane. Semi-pervasive oxide along fractures and in matrix. Much of matrix is medium orange, and increases to 50% of recovery below 96.93m.							
						DK	BK	BX				
						MD	OR	SN	OXI	4I		
100.21	103.24	3.03	FLT	FG	Pervasive strong oxide in fault plane. 20 cm of bright yellow gouge. Pervasive gouge in 10% of recovery. Recovery is mostly crumbled.							
								SN				
								RB				
						MD	OR	FR	OXI	5I		
103.24	129.24	26.00	LST	FG	Medium grey limestone with fracture-hosted oxide and gouge, cut by calcite veinlets at varying angles (increasing frequency with depth). Some trace realgar in calcite veinlets. Oxide intensity decreases with depth. Light yellow gouge interval at 107.59-107.90 m is unusual, could be drilling material/cave, but it has been sampled. Limestone has crackled texture from dark grey-black seams, increasing in frequency below 116 m. Patchy bleaching in 30-50 cm.							
						MD	OR					
						LT	GY					
						MD	GY	CR	OXI	3I	Re	0.1

AN -16-013

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	5.34	5.34	0	0	0.00	0	0R	--	--	OVB - no recovery
5.34	7.01	1.67	0.23	14	0.00	0	0R	2H	3W	
7.01	8.53	1.52	0.72	47	0.00	0	0R	2H	3W	
8.53	10.06	1.53	0.58	38	0.00	0	0R	2H	3W	
10.06	11.58	1.52	0.8	53	0.00	0	0R	2H	2W	
11.58	13.11	1.53	0.55	36	0.00	0	0R	2H	2W	
13.11	14.63	1.52	0.59	39	0.00	0	0R	2H	2W	
14.63	16.15	1.52	0.52	34	0.00	0	0R	2H	2W	
16.15	17.68	1.53	0.5	33	0.00	0	0R	3H	2W	
17.68	19.20	1.52	0.89	59	0.00	0	0R	3H	2W	
19.20	20.73	1.53	1.25	82	0.00	0	0R	3H	2W	
20.73	22.25	1.52	0.75	49	0.00	0	0R	2H	1W	
22.25	23.77	1.52	0.73	48	0.00	0	0R	2H	1W	
23.77	25.30	1.53	0.9	59	0.00	0	0R	2H	1W	
25.30	26.82	1.52	1.22	80	0.00	0	0R	3H	1W	
26.82	28.35	1.53	1.31	86	0.00	0	0R	3H	1W	
28.35	29.87	1.52	1.22	80	0.00	0	0R	3H	1W	
29.87	31.39	1.52	1.44	95	0.00	0	0R	2H	1W	
31.39	32.92	1.53	0.97	63	0.00	0	0R	3H	1W	
32.92	34.44	1.52	0.67	44	0.00	0	0R	3H	1W	
34.44	35.97	1.53	1.1	72	0.00	0	0R	3H	1W	
35.97	37.49	1.52	1.37	90	0.00	0	0R	2H	1W	
37.49	39.01	1.52	1.18	78	0.00	0	0R	2H	1W	
39.01	40.54	1.53	1.15	75	0.00	0	0R	3H	1W	
40.54	42.06	1.52	1.52	100	0.00	0	0R	2H	1W	
42.06	43.59	1.53	1.42	93	0.00	0	0R	2H	1W	
43.59	45.11	1.52	1.35	89	0.00	0	0R	2H	1W	
45.11	46.63	1.52	1.18	78	0.00	0	0R	2H	1W	
46.63	48.16	1.53	1.26	82	0.00	0	0R	2H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
48.16	49.68	1.52	1.4	92	0.00	0	0R	3H	1W	
49.68	51.21	1.53	1.03	67	0.00	0	0R	2H	1W	
51.21	52.73	1.52	1.18	78	0.00	0	0R	2H	1W	
52.73	54.26	1.53	1.21	79	0.00	0	0R	2H	1W	
54.26	55.79	1.53	1.44	94	0.00	0	0R	2H	1W	
55.79	57.30	1.51	1.22	81	0.00	0	0R	2H	1W	
57.30	58.83	1.53	1.34	88	0.00	0	0R	2H	1W	
58.83	60.35	1.52	1.52	100	0.00	0	0R	2H	1W	
60.35	61.87	1.52	1.52	100	0.00	0	0R	2H	1W	
61.87	63.40	1.53	1.46	95	0.00	0	0R	2H	1W	
63.40	64.92	1.52	1.4	92	0.00	0	0R	2H	1W	
64.92	66.45	1.53	1.31	86	0.00	0	0R	2H	1W	
66.45	67.97	1.52	1.47	97	0.00	0	0R	2H	1W	
67.97	69.49	1.52	1.52	100	0.00	0	0R	2H	1W	
69.49	71.02	1.53	1.22	80	0.00	0	0R	2H	1W	
71.02	72.54	1.52	1.35	89	0.00	0	0R	2H	1W	
72.54	74.07	1.53	1.21	79	0.00	0	0R	2H	1W	
74.07	75.60	1.53	1.23	80	0.00	0	0R	2H	1W	
75.60	77.12	1.52	1.21	80	0.00	0	0R	2H	1W	
77.12	78.64	1.52	1.46	96	0.00	0	0R	2H	1W	
78.64	80.16	1.52	1.13	74	0.00	0	0R	2H	1W	
80.16	81.69	1.53	1.25	82	0.00	0	0R	2H	2W	
81.69	83.21	1.52	1.33	88	0.00	0	0R	2H	2W	
83.21	84.73	1.52	1.42	93	0.00	0	0R	2H	1W	
84.73	86.26	1.53	1.31	86	0.00	0	0R	2H	1W	
86.26	87.78	1.52	1.09	72	0.14	9	0R	2H	1W	
87.78	89.31	1.53	1.51	99	0.26	17	0R	2H	2W	
89.31	90.83	1.52	1.44	95	0.55	36	0R	2H	2W	
90.83	92.35	1.52	1.31	86	0.72	47	0R	3H	3W	
92.35	93.88	1.53	1.51	99	1.04	68	0R	3H	3W	
93.88	95.40	1.52	1.46	96	0.40	26	0R	3H	3W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
95.40	96.93	1.53	1.45	95	0.86	56	0R	3H	3W	
96.93	98.45	1.52	1.47	97	0.79	52	0R	3H	4W	
98.45	99.97	1.52	1.44	95	0.40	26	0R	3H	5W	
99.97	101.50	1.53	1.4	92	0.38	25	0R	2H	5W	
101.50	103.02	1.52	0.8	53	0.00	0	1R	2H	5W	
103.02	104.55	1.53	1.19	78	0.37	24	4R	2H	4W	
104.55	106.07	1.52	1.52	100	0.70	46	4R	3H	3W	
106.07	107.59	1.52	1.1	72	0.67	44	4R	3H	3W	
107.59	109.12	1.53	1.36	89	0.24	16	4R	2H	4W	
109.12	110.64	1.52	1.38	91	0.46	30	4R	3H	3W	
110.64	112.17	1.53	1.53	100	0.90	59	4R	3H	3W	
112.17	113.69	1.52	1.41	93	0.98	64	4R	3H	3W	
113.69	115.21	1.52	1.46	96	0.63	41	4R	3H	3W	
115.21	116.74	1.53	1.51	99	1.25	82	4R	4H	3W	
116.74	118.26	1.52	1.51	99	0.95	63	4R	4H	2W	
118.26	119.79	1.53	1.5	98	1.17	76	4R	4H	2W	
119.79	121.31	1.52	1.52	100	1.07	70	4R	4H	2W	
121.31	122.83	1.52	1.49	98	1.03	68	4R	4H	2W	
122.83	124.36	1.53	1.53	100	1.35	88	4R	4H	2W	
124.36	125.88	1.52	1.49	98	1.10	72	4R	4H	2W	
125.88	127.41	1.53	1.53	100	1.14	75	4R	4H	2W	
127.41	128.93	1.52	1.35	89	1.07	70	4R	4H	2W	
128.93	129.24	0.31	0.3	97	0.26	84	4R	4H	2W	

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From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	S036837	☐	N16-007	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036841	☐	N16-007	Core	CS2	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036845	☐	N16-007	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036857	☐	N16-008	Core	CS2	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036873	☐	N16-008	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036823	☐	N16-007	Core	CS1	☐	☐	☐
5.34	7.01	1.67	OVB, SHL	0.33	20	S036820	☐	N16-007	Core		☐	☐	☐
5.34	11.58	6.24	OVB, SHL	0.00	0	Q010771	☐	N16-C05	Chip		☐	☐	☐
7.01	10.06	3.05	SHL	1.30	43	S036821	☐	N16-007	Core		☐	☐	☐
10.06	13.11	3.05	SHL	1.35	44	S036822	☐	N16-007	Core		☐	☐	☐
11.58	19.20	7.62	SHL	0.00	0	Q010772	☐	N16-C05	Chip		☐	☐	☐
13.11	16.15	3.04	SHL	1.11	37	S036824	☐	N16-007	Core		☐	☐	☐
16.15	19.20	3.05	SHL	1.39	46	S036825	☐	N16-007	Core		☐	☐	☐
19.20	22.25	3.05	SHL	2.00	66	S036826	☐	N16-007	Core		☐	☐	☐
19.20	26.82	7.62	SHL	0.00	0	Q010773	☐	N16-C05	Chip		☐	☐	☐
22.25	25.30	3.05	SHL	1.63	53	S036827	☐	N16-007	Core		☐	☐	☐
22.25	25.30	3.05	SHL	1.63	53	S036828	☐	N16-007	Core		☐	☐	☑
25.30	28.35	3.05	SHL	2.53	83	S036829	☐	N16-007	Core		☐	☐	☐
26.82	34.44	7.62	SHL	0.00	0	Q010774	☐	N16-C05	Chip		☐	☐	☐
28.35	31.39	3.04	SHL	2.66	88	S036830	☐	N16-007	Core		☐	☐	☐
31.39	34.44	3.05	SHL	1.64	54	S036831	☐	N16-007	Core		☐	☐	☐
31.39	34.44	3.05	SHL	1.64	54	S036832	☐	N16-007	Core		☐	☑	☐
34.44	37.49	3.05	SHL	2.47	81	S036833	☐	N16-007	Core		☐	☐	☐
34.44	42.06	7.62	SHL	0.00	0	Q010775	☐	N16-C05	Chip		☐	☐	☐
37.49	40.54	3.05	SHL	2.33	76	S036834	☐	N16-007	Core		☐	☐	☐
40.54	43.59	3.05	SHL	2.95	97	S036835	☐	N16-007	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
42.06	49.68	7.62	SHL	0.00	0	Q010776	☐	N16-C05	Chip		☐	☐	☐
43.59	46.63	3.04	SHL	2.53	83	S036836	☐	N16-007	Core		☐	☐	☐
46.63	49.68	3.05	SHL	2.66	87	S036838	☐	N16-007	Core		☐	☐	☐
49.68	57.30	7.62	SHL	0.00	0	Q010777	☐	N16-C05	Chip		☐	☐	☐
49.68	52.73	3.05	SHL	2.21	72	S036839	☐	N16-007	Core		☐	☐	☐
52.73	55.79	3.06	SHL	2.65	87	S036840	☐	N16-007	Core		☐	☐	☐
55.79	58.83	3.04	SHL	2.56	84	S036842	☐	N16-007	Core		☐	☐	☐
57.30	64.92	7.62	SHL	0.00	0	Q010778	☐	N16-C05	Chip		☐	☐	☐
58.83	61.87	3.04	SHL	3.04	100	S036843	☐	N16-007	Core		☐	☐	☐
61.87	64.92	3.05	SHL	2.86	94	S036844	☐	N16-007	Core		☐	☐	☐
64.92	67.97	3.05	SHL	2.78	91	S036846	☐	N16-007	Core		☐	☐	☐
64.92	72.54	7.62	SHL	0.00	0	Q010779	☐	N16-C05	Chip		☐	☐	☐
67.97	71.02	3.05	SHL	2.77	91	S036847	☐	N16-007	Core		☐	☐	☐
71.02	74.07	3.05	SHL	2.56	84	S036848	☐	N16-007	Core		☐	☐	☐
72.54	80.87	8.33	SHL	0.00	0	Q010780	☐	N16-C05	Chip		☐	☐	☐
74.07	77.11	3.04	SHL	2.98	98	S036849	☐	N16-007	Core		☐	☐	☐
77.11	78.64	1.53	SHL	1.46	95	S036850	☐	N16-007	Core		☐	☐	☐
78.64	80.87	2.23	SHL	1.39	62	S036851	☐	N16-007	Core		☐	☐	☐
80.87	82.25	1.38	SHL	1.14	83	S036852	☐	N16-007	Core		☐	☐	☐
80.87	84.73	3.86	SHL	0.00	0	Q010781	☐	N16-C05	Chip		☐	☐	☐
82.25	84.73	2.48	SHL	1.94	78	S036853	☐	N16-008	Core		☐	☐	☐
84.73	87.78	3.05	SHL	2.26	74	S036854	☐	N16-008	Core		☐	☐	☐
84.73	89.31	4.58	SHL	0.00	0	Q010782	☐	N16-C05	Chip		☐	☐	☐
87.78	89.31	1.53	SHL	1.51	99	S036855	☐	N16-008	Core		☐	☐	☐
89.31	92.35	3.04	SHL, SHL	2.75	90	S036856	☐	N16-008	Core		☐	☐	☐
89.31	96.93	7.62	SHL, SHL	0.00	0	Q010783	☐	N16-C05	Chip		☐	☐	☐
92.35	95.40	3.05	SHL	2.97	97	S036858	☐	N16-008	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
95.40	96.93	1.53	SHL	1.52	99	S036859	☐	N16-008	Core		☐	☐	☐
96.93	98.45	1.52	SHL	1.47	97	S036860	☐	N16-008	Core		☐	☐	☐
96.93	103.24	6.31	SHL	0.00	0	Q010784	☐	N16-C05	Chip		☐	☐	☐
98.45	100.21	1.76	SHL	1.71	97	S036861	☐	N16-008	Core		☐	☐	☐
98.45	100.21	1.76	SHL	1.71	97	S036862	☐	N16-008	Core		☐	☐	☑
100.21	101.69	1.48	SHL, FLT	1.20	81	S036863	☐	N16-008	Core		☐	☐	☐
101.69	103.24	1.55	FLT	0.87	56	S036864	☐	N16-008	Core		☐	☐	☐
103.24	106.07	2.83	LST, FLT	2.42	86	S036865	☐	N16-008	Core		☐	☐	☐
103.24	110.64	7.40	LST, FLT	0.00	0	Q010785	☐	N16-C05	Chip		☐	☐	☐
106.07	107.59	1.52	LST	1.13	74	S036866	☐	N16-008	Core		☐	☐	☐
106.07	107.59	1.52	LST	1.13	74	S036867	☐	N16-008	Core		☐	☑	☐
107.59	108.25	0.66	LST	0.66	100	S036868	☐	N16-008	Core		☐	☐	☐
108.25	111.05	2.80	LST	2.43	87	S036869	☐	N16-008	Core		☐	☐	☐
110.64	118.26	7.62	LST	0.00	0	Q010786	☐	N16-C05	Chip		☐	☐	☐
111.05	113.69	2.64	LST	2.55	97	S036870	☐	N16-008	Core		☐	☐	☐
113.69	116.74	3.05	LST	2.97	97	S036871	☐	N16-008	Core		☐	☐	☐
116.74	119.79	3.05	LST	3.01	99	S036872	☐	N16-008	Core		☐	☐	☐
118.26	125.88	7.62	LST	0.00	0	Q010787	☐	N16-C05	Chip		☐	☐	☐
119.79	122.83	3.04	LST	3.04	100	S036874	☐	N16-008	Core		☐	☐	☐
122.83	124.36	1.53	LST	1.53	100	S036875	☐	N16-008	Core		☐	☐	☐
124.36	127.41	3.05	LST	3.02	99	S036876	☐	N16-008	Core		☐	☐	☐
125.88	129.24	3.36	LST	0.00	0	Q010788	☐	N16-C05	Chip		☐	☐	☐
127.41	129.24	1.83	LST	1.38	75	S036877	☐	N16-008	Core		☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618876	7113067	1389	116.74

ZONE: Orion

SECTION:

HOLE: AN -16-014

CLAIM: Dale 12

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth: 32m, Out

Drilling Dates: Aug 26 - Aug 27, 2016

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
34.44	30.93	-51.1	Reflex
116.73	257.83	-53.1	Reflex

TARGET: Anubis Fault

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	24.32	24.32	OVB
24.32	26.8	2.48	OVB
26.8	31.39	4.59	SHL
31.39	52.73	21.34	SHL
52.73	54.5	1.77	FLT
54.5	116.74	62.24	LST

SAMPLES	
Numbers:	Q010789 to Q010801, S036878 to S036901
Total:	37
Batch:	008, 009, C06
Certificates:	VA16150623, VA16174992, WH16143869, WH16144493

COMMENTS
Early recovery is very poor, RAB drilling on this pad experienced similar conditions.

AN -16-014

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
24.32	26.80	2.48	OVB	--	Dark brown and black overburden (dirt)							
						DK	BK					
						DK	BN					
26.80	31.39	4.59	SHL	VF	Very rubbly and weathered dark brown to black shale.							
						DK	BN		OXI	4I		
31.39	51.21	19.82	SHL	VF	Interbedded black shale and grey limestone. Shale is ~80% and limestone is ~20% of the interval. Shale is sporadically (1%), weakly calcareous. Trace to weakly oxidized along fractures. ~3 white calcite veinlets per meter. Interval is ~80-90% rubbly.							
								RB				
52.73	54.50	1.77	FLT	VF	Weak to moderately oxidized, very rubbly and soft, medium to dark brown , weakly calcareous fault rock							
						MD	BN	RB	OXI	2I		
						DK	BN		OXI	3I		
54.50	116.74	62.24	LST	VF	Medium grey limestone. First 6m are very rubbly and have moderate to strong oxidation along fracture surfaces. Oxidation decreases with depth. Rest of the interval has trace to moderate oxidation along its fractures. High abundance of white calcite veining per meter, ~ 5% of the interval.							
						MD	GY	MA				

AN -16-014

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
24.32	26.80	2.48	OVB	--	Dark brown and black overburden (dirt)							
						DK	BK					
						DK	BN					
26.80	31.39	4.59	SHL	VF	Very rubbly and weathered dark brown to black shale.							
						DK	BN		OXI	4I		
31.39	52.73	21.34	SHL	VF	Interbedded black shale and grey limestone. Shale is ~80% and limestone is ~20% of the interval. Shale is sporadically (1%), weakly calcareous. Trace to weakly oxidized along fractures. ~3 white calcite veinlets per meter. Interval is ~80-90% rubbly.							
								RB				
52.73	54.50	1.77	FLT	VF	Weak to moderately oxidized, very rubbly and soft, medium to dark brown , weakly calcareous fault rock							
						DK	BN		OXI	3I		
						MD	BN	RB	OXI	2I		
54.50	116.74	62.24	LST	VF	Medium grey limestone. First 6m are very rubbly and have moderate to strong oxidation along fracture surfaces. Oxidation decreases with depth. Rest of the interval has trace to moderate oxidation along its fractures. High abundance of white calcite veining per meter, ~ 5% of the interval.							
						MD	GY	MA				

AN -16-014

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	24.32	24.32	0	0	0.00	0	--	--	--	
24.32	25.30	0.98	0.92	94	0.00	0	0R	1H	5W	
25.30	26.82	1.52	0.56	37	0.00	0	0R	1H	5W	
26.82	28.35	1.53	0.67	44	0.00	0	0R	1H	5W	
28.35	29.87	1.52	0.57	38	0.00	0	0R	1H	5W	
29.87	31.39	1.52	0.12	8	0.00	0	0R	1H	4W	
31.39	32.92	1.53	1.15	75	0.59	39	2R	3H	3W	
32.92	34.44	1.52	0.13	9	0.00	0	1R	3H	3W	
34.44	35.97	1.53	0.55	36	0.00	0	2R	3H	3W	
35.97	37.49	1.52	0.08	5	0.00	0	3R	2H	3W	
37.49	39.01	1.52	0.76	50	0.00	0	3R	3H	2W	
39.01	40.54	1.53	0.49	32	0.00	0	3R	3H	2W	
40.54	42.06	1.52	1.13	74	0.34	22	3R	3H	1W	
42.06	43.59	1.53	0.33	22	0.00	0	2R	3H	2W	
43.59	45.11	1.52	0.83	55	0.00	0	1R	3H	2W	
45.11	46.63	1.52	0.44	29	0.00	0	1R	3H	2W	
46.63	48.16	1.53	1.16	76	0.00	0	1R	2H	2W	
48.16	49.68	1.52	1.14	75	0.00	0	0R	2H	2W	
49.68	51.21	1.53	0.27	18	0.00	0	0R	2H	2W	
51.21	52.73	1.52	1.13	74	0.84	55	0R	3H	2W	
52.73	54.25	1.52	0.31	20	0.00	0	1R	1H	4W	
54.25	55.78	1.53	0.93	61	0.00	0	3R	3H	4W	
55.78	57.30	1.52	0.43	28	0.00	0	4R	4H	3W	
57.30	58.83	1.53	1.53	100	0.59	39	4R	4H	3W	
58.83	60.35	1.52	1.19	78	0.45	30	4R	4H	3W	
60.35	61.87	1.52	1.45	95	0.96	63	4R	4H	3W	
61.87	63.40	1.53	1.41	92	1.18	77	4R	4H	3W	
63.40	64.92	1.52	1.52	100	1.11	73	4R	4H	3W	
64.92	66.45	1.53	1.29	84	0.50	33	4R	4H	3W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
66.45	67.97	1.52	1.4	92	0.87	57	4R	4H	3W	
67.97	69.49	1.52	0.85	56	0.13	9	4R	4H	3W	
69.49	71.02	1.53	1.48	97	0.54	35	4R	4H	3W	
71.02	72.54	1.52	1.43	94	0.61	40	4R	4H	3W	
72.54	74.07	1.53	1.35	88	0.97	63	4R	4H	3W	
74.07	75.59	1.52	1.52	100	1.52	100	4R	4H	5W	
75.59	77.11	1.52	1.52	100	0.96	63	4R	4H	3W	
77.11	78.64	1.53	1.08	71	0.79	52	4R	4H	3W	
78.64	80.16	1.52	0.83	55	0.32	21	4R	4H	4W	
80.16	81.69	1.53	1.41	92	1.41	92	4R	4H	2W	
81.69	83.21	1.52	1.52	100	1.52	100	4R	4H	1W	
83.21	84.73	1.52	1.47	97	1.47	97	4R	4H	2W	
84.73	86.26	1.53	1.52	99	1.33	87	4R	4H	1W	
86.26	87.78	1.52	1.47	97	1.47	97	4R	4H	2W	
87.78	89.31	1.53	1.53	100	1.45	95	4R	4H	5W	
89.31	90.83	1.52	1.52	100	1.24	82	4R	4H	2W	
90.83	92.35	1.52	1.46	96	1.46	96	4R	4H	2W	
92.35	93.88	1.53	1.53	100	1.48	97	4R	4H	2W	
93.88	95.40	1.52	1.52	100	1.52	100	4R	4H	2W	
95.40	96.93	1.53	1.53	100	1.20	78	4R	4H	2W	
96.93	98.45	1.52	1.4	92	1.07	70	4R	4H	2W	
98.45	99.97	1.52	1.46	96	0.99	65	4R	4H	3W	
99.97	101.50	1.53	1.48	97	0.99	65	4R	4H	3W	
101.50	103.02	1.52	1.51	99	1.51	99	4R	4H	2W	
103.02	104.55	1.53	1.39	91	0.58	38	4R	4H	3W	
104.55	106.07	1.52	1.5	99	0.95	63	4R	4H	3W	
106.07	107.59	1.52	1.47	97	1.29	85	4R	4H	2W	
107.59	109.12	1.53	1.52	99	1.33	87	4R	4H	2W	
109.12	110.64	1.52	1.51	99	1.51	99	4R	4H	2W	
110.64	112.17	1.53	1.53	100	1.33	87	4R	4H	2W	
112.17	113.69	1.52	1.42	93	1.42	93	4R	4H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
113.69	115.21	1.52	1.52	100	1.44	95	4R	4H	2W	
115.21	116.74	1.53	1.5	98	1.35	88	4R	4H	2W	

AN -16-014

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	S036884	☐	N16-008	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036893	☐	N16-009	Core	CS2	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036881	☐	N16-008	Core	CS1	☐	☐	☐
24.32	25.30	0.98	OVB, OVB	0.92	94	S036878	☐	N16-008	Core		☐	☐	☐
24.32	31.39	7.07	OVB, OVB	0.00	0	Q010789	☐	N16-C06	Chip		☐	☐	☐
25.30	28.35	3.05	OVB	1.23	40	S036879	☐	N16-008	Core		☐	☐	☐
28.35	31.39	3.04	SHL	0.69	23	S036880	☐	N16-008	Core		☐	☐	☐
31.39	39.01	7.62	SHL, SHL	0.00	0	Q010790	☐	N16-C06	Chip		☐	☐	☐
31.39	34.44	3.05	SHL, SHL	1.25	41	S036882	☐	N16-008	Core		☐	☐	☐
34.44	37.49	3.05	SHL	0.63	21	S036883	☐	N16-008	Core		☐	☐	☐
37.49	40.54	3.05	SHL	1.15	38	S036885	☐	N16-008	Core		☐	☐	☐
39.01	46.63	7.62	SHL	0.00	0	Q010791	☐	N16-C06	Chip		☐	☐	☐
40.54	43.59	3.05	SHL	1.46	48	S036886	☐	N16-008	Core		☐	☐	☐
43.59	46.63	3.04	SHL	1.27	42	S036887	☐	N16-008	Core		☐	☐	☐
46.63	49.68	3.05	SHL	2.30	75	S036888	☐	N16-008	Core		☐	☐	☐
46.63	52.73	6.10	SHL	0.00	0	Q010792	☐	N16-C06	Chip		☐	☐	☐
49.68	52.73	3.05	SHL	1.40	46	S036889	☐	N16-009	Core		☐	☐	☐
52.73	58.83	6.10	SHL, FLT	0.00	0	Q010793	☐	N16-C06	Chip		☐	☐	☐
52.73	54.50	1.77	SHL, FLT	0.66	37	S036890	☐	N16-009	Core		☐	☐	☐
54.50	57.30	2.80	LST, FLT	1.36	49	S036891	☐	N16-009	Core		☐	☐	☐
57.30	60.35	3.05	LST	1.72	56	S036892	☐	N16-009	Core		☐	☐	☐
58.83	66.45	7.62	LST	0.00	0	Q010794	☐	N16-C06	Chip		☐	☐	☐
60.35	63.40	3.05	LST	2.86	94	S036894	☐	N16-009	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
63.40	66.45	3.05	LST	2.81	92	S036895	☐	N16-009	Core		☐	☐	☐
66.45	74.07	7.62	LST	0.00	0	Q010795	☐	N16-C06	Chip		☐	☐	☐
66.45	69.49	3.04	LST	2.25	74	S036896	☐	N16-009	Core		☐	☐	☐
66.45	69.49	3.04	LST	2.25	74	S036897	☐	N16-009	Core		☐	☐	☑
69.49	72.54	3.05	LST	2.91	95	S036898	☐	N16-009	Core		☐	☐	☐
72.54	75.59	3.05	LST	2.87	94	S036899	☐	N16-009	Core		☐	☐	☐
74.07	81.69	7.62	LST	0.00	0	Q010796	☐	N16-C06	Chip		☐	☐	☐
75.59	78.64	3.05	LST	2.60	85	S036900	☐	N16-009	Core		☐	☐	☐
78.64	80.16	1.52	LST	0.83	55	S036901	☐	N16-009	Core		☐	☐	☐
81.69	89.31	7.62	LST	0.00	0	Q010797	☐	N16-C06	Chip		☐	☐	☐
89.31	96.93	7.62	LST	0.00	0	Q010798	☐	N16-C06	Chip		☐	☐	☐
96.93	104.55	7.62	LST	0.00	0	Q010799	☐	N16-C06	Chip		☐	☐	☐
104.55	112.17	7.62	LST	0.00	0	Q010800	☐	N16-C06	Chip		☐	☐	☐
112.17	116.74	4.57	LST	0.00	0	Q010801	☐	N16-C06	Chip		☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618874	7113067	1389	96.93

ZONE: Orion

SECTION:

HOLE: AN -16-015

CLAIM: Dale 12

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth: 9.14m, Out

Drilling Dates: Aug 27 - Aug 28, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
23.77	275.73	-86.7	Reflex
96.92	278.03	-87.1	Reflex

TARGET: Anubis Fault

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	8.53	8.53	OVB
8.53	10.06	1.53	OVB
10.06	39.01	28.95	SHL
39.01	48	8.99	LST
48	62	14	SHL
62	73.41	11.41	SHL
73.41	96.93	23.52	LST

SAMPLES	
Numbers:	Q010802 to Q010814, S036902 to S036939
Total:	51
Batch:	009, 010, C07
Certificates:	VA16150618, VA16150623, VA16174992

COMMENTS
Hole was ended because it was well into very solid, massive limestone past the Anubis fault.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
8.53	10.06	1.53	OVB	FG	Rubbly overburden, with fragments of shale and limestone with moderate oxidation.							
						MD	GY					
						DK	BK	RB	OXI	3I		
10.06	39.01	28.95	SHL	VF	Dark black shale, approximately 60% of recovery is softend to gouge, with 40% competent sections. Oxide is weak between 10.06-20.72m, and on occasional fracture surfaces below 20.72m. Shale contains fragments of calcite veins and limestone. Weakly calcareous from 10.06-17m.							
						DK	BK	RB	OXI	2I		
								FR				
39.01	48.00	8.99	LST	FG	Interbedded 60% fossiliferous medium grey limestone with calcite veinlets and softer dark black shale (also with calcite veinlets). Lithologies are sheared together between 46.58-48.00m, and have a 5 degree TCA trend. Weak oxide on fractures. Approximately 2% calcite veinlets.							
						MD	GY	FR				
						DK	BK	SH	OXI	1I		
								RB				
								FS				
62.00	73.41	11.41	SHL	VF	Interbedded dark black shale and medium grey limestone, dominated by 75% shale. Calcite veinlets are found in both shale and limestone, but are more prominent in limestone. This zone shows signs of strain with foliation in the shale, weak breccia, and softening of the shale.							
						MD	GY	RB				
						DK	BK	FR				
73.41	96.93	23.52	LST	FG	Massive grey limestone with thin black stylolites. Cut by 7-10% calcite veinlets and veins, few of which host blebby realgar (no deeper than 80m). Possible limestone bedding at 90 m depth, showing 25 degrees TCA. Weak crackle texture develops at 94-96.93m. Trace oxide on fractures near contact.							
						MD	GY	MA	OXI	1I	Re	0.1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	GY	CR				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
8.53	10.06	1.53	OVB	FG	Rubbly overburden, with fragments of shale and limestone with moderate oxidation.							
						MD	GY					
						DK	BK	RB	OXI	3I		
10.06	39.01	28.95	SHL	VF	Dark black shale, approximately 60% of recovery is softend to gouge, with 40% competent sections. Oxide is weak between 10.06-20.72m, and on occasional fracture surfaces below 20.72m. Shale contains fragments of calcite veins and limestone. Weakly calcareous from 10.06-17m.							
								FR				
						DK	BK	RB	OXI	2I		
39.01	48.00	8.99	LST	FG	Interbedded 60% fossiliferous medium grey limestone with calcite veinlets and softer dark black shale (also with calcite veinlets). Lithologies are sheared together between 46.58-48.00m, and have a 5 degree TCA trend. Weak oxide on fractures. Approximately 2% calcite veinlets.							
								FS				
								RB				
						MD	GY	FR				
						DK	BK	SH	OXI	1I		
62.00	73.41	11.41	SHL	VF	Interbedded dark black shale and medium grey limestone, dominated by 75% shale. Calcite veinlets are found in both shale and limestone, but are more prominent in limestone. This zone shows signs of strain with foliation in the shale, weak breccia, and softening of the shale.							
						MD	GY	RB				
						DK	BK	FR				
73.41	96.93	23.52	LST	FG	Massive grey limestone with thin black stylolites. Cut by 7-10% calcite veinlets and veins, few of which host blebby realgar (no deeper than 80m). Possible limestone bedding at 90 m depth, showing 25 degrees TCA. Weak crackle texture develops at 94-96.93m. Trace oxide on fractures near contact. EOH							
						LT	GY	CR				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	MA	OXI	1I	Re	0.1

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From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	8.53	8.53	0	0	0.00	0	--	--	--	Casing - No recovery
8.53	10.06	1.53	0	0	0.00	0	3R	--	--	Overburden
10.06	11.58	1.52	0.48	32	0.00	0	3R	2H	2W	
11.58	13.11	1.53	0.35	23	0.00	0	3R	2H	2W	
13.11	14.63	1.52	0.34	22	0.00	0	3R	2H	2W	
14.63	16.15	1.52	0.38	25	0.00	0	3R	2H	2W	
16.15	17.68	1.53	0.1	7	0.00	0	3R	2H	2W	
17.68	19.20	1.52	0.1	7	0.00	0	2R	2H	2W	
19.20	20.73	1.53	0.1	7	0.00	0	1R	2H	2W	
20.73	22.25	1.52	0.32	21	0.00	0	1R	2H	2W	
22.25	23.77	1.52	0.62	41	0.00	0	0R	1H	1W	
23.77	25.30	1.53	0.76	50	0.00	0	0R	1H	1W	
25.30	26.83	1.53	0.71	46	0.00	0	0R	1H	1W	
26.83	28.35	1.52	0.87	57	0.00	0	0R	1H	1W	
28.35	29.87	1.52	0.83	55	0.00	0	0R	1H	1W	
29.87	31.39	1.52	1.08	71	0.10	7	0R	1H	1W	
31.39	32.92	1.53	0.79	52	0.13	8	0R	1H	2W	
32.92	34.44	1.52	0.84	55	0.00	0	0R	2H	2W	
34.44	35.97	1.53	1.37	90	0.00	0	0R	3H	2W	
35.97	37.49	1.52	0.84	55	0.00	0	0R	3H	2W	
37.49	39.01	1.52	0.87	57	0.15	10	1R	3H	2W	
39.01	40.54	1.53	1.03	67	0.00	0	3R	3H	1W	
40.54	42.06	1.52	1.01	66	0.36	24	4R	3H	1W	
42.06	43.59	1.53	1.53	100	0.35	23	3R	3H	1W	
43.59	45.11	1.52	1.28	84	0.26	17	3R	3H	1W	
45.11	46.64	1.53	1.22	80	0.00	0	3R	3H	2W	
46.64	48.16	1.52	0.66	43	0.00	0	3R	3H	2W	
48.16	49.68	1.52	1.16	76	0.00	0	1R	3H	1W	
49.68	51.21	1.53	0.76	50	0.14	9	1R	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
51.21	52.73	1.52	1.08	71	0.29	19	1R	3H	1W	
52.73	54.25	1.52	1.5	99	0.57	38	1R	3H	1W	
54.25	55.78	1.53	0.68	44	0.00	0	1R	3H	1W	
55.78	57.30	1.52	1.52	100	0.19	13	0R	2H	1W	
57.30	58.83	1.53	0.71	46	0.11	7	0R	2H	1W	
58.83	60.35	1.52	1.45	95	0.41	27	0R	3H	1W	
60.35	61.87	1.52	1.32	87	0.00	0	1R	2H	1W	
61.87	63.40	1.53	1.4	92	0.46	30	2R	3H	1W	
63.40	64.92	1.52	1.16	76	0.00	0	2R	3H	1W	
64.92	66.45	1.53	1.21	79	0.15	10	1R	2H	1W	
66.45	67.97	1.52	1.44	95	0.00	0	1R	3H	1W	
67.97	69.49	1.52	1.37	90	0.16	11	2R	2H	1W	
69.49	71.02	1.53	1.52	99	0.18	12	1R	2H	1W	
71.02	72.54	1.52	1.52	100	0.58	38	1R	3H	1W	
72.54	74.07	1.53	1.43	93	1.26	82	2R	2H	2W	
74.07	75.59	1.52	1.52	100	1.30	86	2R	4H	1W	
75.59	77.11	1.52	1.43	94	0.88	58	2R	4H	1W	
77.11	78.64	1.53	1.47	96	0.87	57	3R	4H	2W	
78.64	80.16	1.52	1.52	100	1.30	86	2R	4H	1W	
80.16	81.69	1.53	1.53	100	1.14	75	3R	4H	1W	
81.69	83.21	1.52	1.52	100	1.07	70	4R	4H	1W	
83.21	84.73	1.52	1.52	100	1.13	74	4R	4H	1W	
84.73	86.26	1.53	1.4	92	1.40	92	4R	4H	1W	
86.26	87.78	1.52	1.52	100	1.40	92	4R	3H	1W	
87.78	89.31	1.53	1.52	99	1.25	82	4R	4H	1W	
89.31	90.83	1.52	1.52	100	1.17	77	4R	4H	1W	
90.83	92.35	1.52	1.04	68	0.94	62	4R	4H	1W	
92.35	93.88	1.53	1.53	100	1.50	98	4R	4H	1W	
93.88	95.40	1.52	1.42	93	1.23	81	4R	4H	1W	
95.40	96.93	1.53	1.53	100	1.51	99	4R	4H	1W	

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From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	S036915	☐	N16-009	Core	CS1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036920	☐	N16-009	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036929	☐	N16-010	Core	CS2	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036935	☐	N16-010	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036906	☐	N16-009	Core		☑	☐	☐
8.53	11.58	3.05	OVB, OVB	0.48	16	S036902	☐	N16-009	Core		☐	☐	☐
8.53	14.63	6.10	OVB, OVB	0.00	0	Q010802	☐	N16-C07	Chip		☐	☐	☐
11.58	13.11	1.53	SHL	0.99	65	S036903	☐	N16-009	Core		☐	☐	☐
13.11	16.15	3.04	SHL	0.69	23	S036904	☐	N16-009	Core		☐	☐	☐
14.63	22.25	7.62	SHL	0.00	0	Q010803	☐	N16-C07	Chip		☐	☐	☐
16.15	19.20	3.05	SHL	0.48	16	S036905	☐	N16-009	Core		☐	☐	☐
19.20	22.25	3.05	SHL	0.42	14	S036907	☐	N16-009	Core		☐	☐	☐
22.25	23.77	1.52	SHL	0.94	62	S036908	☐	N16-009	Core		☐	☐	☐
22.25	29.87	7.62	SHL	0.00	0	Q010804	☐	N16-C07	Chip		☐	☐	☐
23.77	26.83	3.06	SHL	1.47	48	S036909	☐	N16-009	Core		☐	☐	☐
26.83	29.87	3.04	SHL	1.70	56	S036910	☐	N16-009	Core		☐	☐	☐
26.83	29.87	3.04	SHL	1.70	56	S036911	☐	N16-009	Core		☐	☑	☐
29.87	32.92	3.05	SHL	1.87	61	S036912	☐	N16-009	Core		☐	☐	☐
29.87	37.49	7.62	SHL	0.00	0	Q010805	☐	N16-C07	Chip		☐	☐	☐
32.92	35.97	3.05	SHL	2.21	72	S036913	☐	N16-009	Core		☐	☐	☐
35.97	39.01	3.04	SHL	1.71	56	S036914	☐	N16-009	Core		☐	☐	☐
37.49	45.11	7.62	SHL	0.00	0	Q010806	☐	N16-C07	Chip		☐	☐	☐
39.01	42.06	3.05	LST, SHL	2.04	67	S036916	☐	N16-009	Core		☐	☐	☐
42.06	45.11	3.05	LST	2.81	92	S036917	☐	N16-009	Core		☐	☐	☐
45.11	52.73	7.62	LST	0.00	0	Q010807	☐	N16-C07	Chip		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
45.11	48.16	3.05	LST	1.82	60	S036918	☐	N16-009	Core		☐	☐	☐
48.16	49.68	1.52	SHL	0.76	50	S036919	☐	N16-009	Core		☐	☐	☐
49.68	52.73	3.05	SHL	2.58	85	S036921	☐	N16-009	Core		☐	☐	☐
52.73	55.78	3.05	SHL	2.18	71	S036922	☐	N16-009	Core		☐	☐	☐
52.73	58.83	6.10	SHL	0.00	0	Q010808	☐	N16-C07	Chip		☐	☐	☐
55.78	58.83	3.05	SHL	2.23	73	S036923	☐	N16-009	Core		☐	☐	☐
58.83	61.87	3.04	SHL	2.77	91	S036924	☐	N16-009	Core		☐	☐	☐
58.83	66.45	7.62	SHL	0.00	0	Q010809	☐	N16-C07	Chip		☐	☐	☐
61.87	64.92	3.05	SHL	2.56	84	S036925	☐	N16-010	Core		☐	☐	☐
64.92	67.97	3.05	SHL	2.65	87	S036926	☐	N16-010	Core		☐	☐	☐
66.45	73.41	6.96	SHL	0.00	0	Q010810	☐	N16-C07	Chip		☐	☐	☐
67.97	71.02	3.05	SHL	2.89	95	S036927	☐	N16-010	Core		☐	☐	☐
71.02	73.41	2.39	SHL	2.30	96	S036928	☐	N16-010	Core		☐	☐	☐
73.41	75.59	2.18	SHL, LST	2.18	100	S036930	☐	N16-010	Core		☐	☐	☐
73.41	80.16	6.75	SHL, LST	0.00	0	Q010811	☐	N16-C07	Chip		☐	☐	☐
75.59	78.64	3.05	LST	2.90	95	S036931	☐	N16-010	Core		☐	☐	☐
78.64	81.69	3.05	LST	3.05	100	S036932	☐	N16-010	Core		☐	☐	☐
80.16	87.78	7.62	LST	0.00	0	Q010812	☐	N16-C07	Chip		☐	☐	☐
81.69	84.73	3.04	LST	3.04	100	S036933	☐	N16-010	Core		☐	☐	☐
84.73	87.78	3.05	LST	2.96	97	S036934	☐	N16-010	Core		☐	☐	☐
87.78	90.83	3.05	LST	3.04	100	S036936	☐	N16-010	Core		☐	☐	☐
87.78	92.35	4.57	LST	0.00	0	Q010813	☐	N16-C07	Chip		☐	☐	☐
90.83	93.88	3.05	LST	2.93	96	S036937	☐	N16-010	Core		☐	☐	☐
92.35	96.93	4.58	LST	0.00	0	Q010814	☐	N16-C07	Chip		☐	☐	☐
93.88	96.93	3.05	LST	2.95	97	S036938	☐	N16-010	Core		☐	☐	☐
93.88	96.93	3.05	LST	2.95	97	S036939	☐	N16-010	Core		☐	☐	☑

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618812	7113170	1342	131.98

ZONE: Orion

SECTION:

HOLE: AN -16-016

CLAIM: Dale 10

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth: 3.05m, Out

Drilling Dates: Aug 29 - Sep 01, 2016

Geology Logged By: D. Walsh

SURVEY			
Depth (m)	Azimuth	Dip	Method
0.91	178.63	-0.4	Reflex
128.93	88.73	-89.1	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	2.13	2.13	OVB
2.13	11.58	9.45	OVB
11.58	17.68	6.1	SHL
17.68	89.75	72.07	SHL
89.75	96.28	6.53	FLR
96.28	131.98	35.7	LST

SAMPLES	
Numbers:	Q010815 to Q010831, S036940 to S036992
Total:	70
Batch:	010, 011, C07
Certificates:	VA16150618, WH16149285

COMMENTS
Hole was ended in competent limestone below the Anubis fault.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
11.58	17.68	6.10	OVB	VF	Weakly calcareous black shale. Very rubbly. Weak to moderately oxidized along fractures. "Oil slick" weathering seen along some fractures.							
						MD	OR		OXI	3I		
						DK	BK	RB	OXI	2I		
17.68	26.82	9.14	SHL	VF	Rubbly black shale, occasional "oil slick" weathering on fracture surfaces.							
						DK	BK					
26.82	55.78	28.96	SHL	VF	Interbedded rubbly black shale and sporadic coarse grey to dark grey sand. ~95^ shale and 5% sand beds.							
						MD	GY					
						DK	GY	BD				
55.78	75.02	19.24	SHL	VF	Rubbly black shale, ~1% pyrite beds.							
						DK	BK	RB				
75.02	83.21	8.19	SHL	VF	Black shale with an increased abundance of pyrite beds and nodules. Pyrite comprises ~ 20% of the interval.							
						DK	BK					
83.21	89.75	6.54	SHL	VF	Faulted, partially rubbly black shale. ~15% gouge altered.							
						DK	BK	RB				
89.75	96.28	6.53	FLR	VF	Anubis faults. Rubbly interbedded, faulted black shale and grey limestone. Shale is brecciated and moderately to strongly oxidized. Limestone is fractured and has strong oxidation along fracture surfaces. Interval is ~60% shale and 40% limestone.							
						MD	OR	RB				
						MD	GY	FR	OXI	4I		
						DK	BK	BX	OXI	3I		
96.28	97.10	0.82	LST	VF	Rubbly, oxidized gouge altered limestone.							
						MD	GY	CR	OXI	2I		
								MA				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
97.10	98.60	1.50	LST	VF	Interval host large tan clasts(?) of bleached limestone in grey limestone.							
						MD	GY	BX	OXI	2I		
						MD	TN					
98.60	131.98	33.38	LST	VF	Crackle textured massive limestone. Weak to moderate oxidation along fractures until 101.50m. ~2 calcite veinlets per meter , = ~1% of interval. Trace realgar in calcite veining.							
						MD	GY	CR				
								MA				

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From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
11.58	17.68	6.10	SHL	VF	Weakly calcareous black shale. Very rubbly. Weak to moderately oxidized along fractures. "Oil slick" weathering seen along some fractures.							
						MD	OR		OXI	3I		
						DK	BK	RB	OXI	2I		
17.68	89.75	72.07	SHL	VF	Rubbly black shale. Weak to moderately oxidized along fracture surfaces until 19.01m. Contains intervals of coarse sandy interbeds. ~1% pyrite beds. Shale is ~30% incompetent.							
						MD	OR		OXI	3I		
						DK	BK	RB	OXI	2I		
89.75	96.28	6.53	FLR	VF	Anubis faults. Rubbly interbedded, faulted black shale and grey limestone. Shale is brecciated and moderately to strongly oxidized. Limestone is fractured and has strong oxidation along fracture surfaces. Interval is ~60% shale and 40% limestone.							
						MD	OR	RB				
						MD	GY	FR	OXI	4I		
						DK	BK	BX	OXI	3I		
96.28	131.98	35.70	LST	VF	Crackle textured massive limestone. Weak to moderate oxidation along fractures until 101.50m. ~2 calcite veinlets per meter , = ~1% of interval. Trace realgar in calcite veining.							
								MA				
						MD	GY	CR	OXI	2I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	2.13	2.13	0	0	0.00	0	--	--	--	Casing/overburden. No recovery.
2.13	2.44	0.31	0.31	100	0.00	0	0R	3H	2W	
2.44	3.96	1.52	0.1	7	0.00	0	0R	3H	2W	
3.96	5.49	1.53	0.1	7	0.00	0	0R	3H	3W	
5.49	7.01	1.52	0.08	5	0.00	0	0R	3H	3W	
7.01	8.53	1.52	0.15	10	0.00	0	0R	3H	3W	
8.53	10.06	1.53	0.05	3	0.00	0	0R	3H	2W	
10.06	11.58	1.52	0.05	3	0.00	0	0R	3H	3W	
11.58	13.11	1.53	0.24	16	0.00	0	0R	3H	3W	
13.11	14.63	1.52	0.55	36	0.00	0	0R	3H	2W	
14.63	16.15	1.52	0.46	30	0.00	0	1R	3H	3W	
16.15	17.68	1.53	0.66	43	0.00	0	0R	3H	3W	
17.68	19.21	1.53	0.76	50	0.00	0	0R	3H	3W	
19.21	20.73	1.52	1.01	66	0.00	0	0R	3H	2W	
20.73	22.25	1.52	0.82	54	0.11	7	0R	3H	1W	
22.25	23.77	1.52	0.91	60	0.19	13	0R	3H	1W	
23.77	25.30	1.53	0.85	56	0.57	37	0R	3H	1W	
25.30	26.82	1.52	0.43	28	0.11	7	0R	3H	1W	
26.82	28.35	1.53	0.54	35	0.00	0	0R	3H	1W	
28.35	29.87	1.52	0.8	53	0.36	24	0R	3H	1W	
29.87	31.39	1.52	0.85	56	0.17	11	0R	3H	1W	
31.39	32.92	1.53	0.97	63	0.34	22	0R	3H	1W	
32.92	34.44	1.52	0.99	65	0.39	26	0R	3H	1W	
34.44	35.97	1.53	0.69	45	0.10	7	0R	3H	1W	
35.97	37.49	1.52	0.98	64	0.33	22	0R	3H	1W	
37.49	39.01	1.52	1.03	68	0.12	8	0R	3H	1W	
39.01	40.54	1.53	0.87	57	0.00	0	0R	3H	1W	
40.54	42.06	1.52	0.94	62	0.13	9	0R	3H	1W	
42.06	43.59	1.53	1.53	100	0.75	49	0R	3H	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
43.59	45.11	1.52	1.26	83	0.32	21	0R	3H	1W	
45.11	46.63	1.52	1.38	91	0.75	49	0R	3H	1W	
46.63	48.16	1.53	1.42	93	0.49	32	0R	3H	1W	
48.16	49.68	1.52	1.08	71	0.32	21	0R	3H	1W	
49.68	51.21	1.53	1.53	100	0.72	47	0R	3H	1W	
51.21	52.73	1.52	0.98	64	0.00	0	0R	2H	1W	
52.73	54.25	1.52	0.96	63	0.00	0	0R	2H	1W	
54.25	55.78	1.53	1.01	66	0.23	15	0R	2H	1W	
55.78	57.30	1.52	0.67	44	0.00	0	0R	1H	1W	
57.30	58.83	1.53	0.91	59	0.00	0	0R	2H	1W	
58.83	60.35	1.52	1.35	89	0.58	38	0R	3H	1W	
60.35	61.87	1.52	1.52	100	0.27	18	0R	2H	1W	
61.87	63.40	1.53	0.92	60	0.17	11	0R	2H	1W	
63.40	64.92	1.52	0.92	61	0.57	38	0R	3H	1W	
64.92	66.45	1.53	0.73	48	0.00	0	0R	3H	1W	
66.45	67.97	1.52	1.26	83	0.28	18	0R	2H	1W	
67.97	71.02	3.05	1.14	37	0.29	10	0R	3H	1W	
71.02	72.54	1.52	1.32	87	0.47	31	0R	3H	1W	
72.54	74.07	1.53	1.33	87	0.43	28	0R	3H	1W	
74.07	75.59	1.52	1.42	93	0.96	63	0R	3H	1W	
75.59	77.11	1.52	1.48	97	0.21	14	0R	3H	1W	
77.11	78.64	1.53	1.27	83	0.47	31	0R	3H	1W	
78.64	80.16	1.52	1.28	84	0.32	21	0R	3H	1W	
80.16	81.69	1.53	1.44	94	0.48	31	0R	3H	1W	
81.69	83.21	1.52	1.45	95	0.89	59	0R	2H	1W	
83.21	84.73	1.52	1.32	87	0.70	46	0R	2H	1W	
84.73	86.26	1.53	1.16	76	0.14	9	0R	2H	1W	
86.26	87.78	1.52	1.52	100	1.38	91	0R	2H	1W	
87.78	89.31	1.53	1.46	95	1.18	77	0R	3H	1W	
89.31	90.83	1.52	1.27	84	0.41	27	0R	2H	3W	
90.83	92.35	1.52	1.49	98	1.06	70	3R	2H	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
92.35	93.88	1.53	1.31	86	1.05	69	0R	2H	3W	
93.88	95.40	1.52	0.87	57	0.00	0	3R	3H	3W	
95.40	96.93	1.53	1.1	72	0.30	20	3R	2H	4W	
96.93	98.45	1.52	1.26	83	1.15	76	4R	3H	3W	
98.45	99.97	1.52	1.33	88	0.88	58	4R	4H	2W	
99.97	101.50	1.53	1.41	92	1.07	70	4R	4H	2W	
101.50	103.02	1.52	1.52	100	1.52	100	4R	4H	2W	
103.02	104.55	1.53	1.53	100	1.47	96	3R	4H	2W	
104.55	106.07	1.52	1.5	99	1.50	99	4R	4H	2W	
106.07	107.59	1.52	1.43	94	1.38	91	4R	4H	2W	
107.59	109.12	1.53	1.53	100	1.53	100	4R	4H	2W	
109.12	110.64	1.52	1.47	97	1.31	86	4R	4H	2W	
110.64	112.17	1.53	1.53	100	1.53	100	4R	4H	2W	
112.17	113.69	1.52	1.39	91	1.39	91	4R	4H	2W	
113.69	115.21	1.52	1.48	97	1.48	97	4R	4H	2W	
115.21	116.74	1.53	1.5	98	1.43	93	4R	4H	2W	
116.74	118.26	1.52	1.51	99	1.51	99	4R	4H	2W	
118.26	119.79	1.53	1.53	100	1.53	100	4R	4H	2W	
119.79	121.31	1.52	1.44	95	1.29	85	4R	4H	2W	
121.31	122.83	1.52	1.35	89	1.28	84	4R	4H	1W	
122.83	124.36	1.53	1.36	89	1.36	89	4R	4H	1W	
124.36	125.88	1.52	1.52	100	1.52	100	4R	4H	1W	
125.88	127.41	1.53	1.53	100	1.45	95	4R	4H	1W	
127.41	128.93	1.52	1.37	90	1.25	82	4R	4H	2W	
128.93	130.45	1.52	1.52	100	1.52	100	4R	4H	1W	
130.45	131.98	1.53	1.53	100	1.53	100	4R	4H	1W	

AN -16-016

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	S036952	☐	N16-010	Core	CS2	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036967	☐	N16-011	Core	CS2	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036981	☐	N16-011	Core	CS1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036990	☐	N16-011	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036943	☐	N16-010	Core		☑	☐	☐
11.58	14.63	3.05	SHL, OVB	0.79	26	S036940	☐	N16-010	Core		☐	☐	☐
11.58	19.21	7.63	SHL, OVB	0.00	0	Q010815	☐	N16-C07	Chip		☐	☐	☐
14.63	17.68	3.05	SHL	1.12	37	S036941	☐	N16-010	Core		☐	☐	☐
17.68	19.21	1.53	SHL, SHL	0.76	50	S036942	☐	N16-010	Core		☐	☐	☐
19.21	26.82	7.61	SHL	0.00	0	Q010816	☐	N16-C07	Chip		☐	☐	☐
19.21	22.25	3.04	SHL	1.83	60	S036944	☐	N16-010	Core		☐	☐	☐
22.25	25.30	3.05	SHL	1.76	58	S036945	☐	N16-010	Core		☐	☐	☐
25.30	26.82	1.52	SHL	1.28	84	S036946	☐	N16-010	Core		☐	☐	☐
25.30	26.82	1.52	SHL	1.28	84	S036947	☐	N16-010	Core		☐	☑	☐
26.82	29.87	3.05	SHL	1.34	44	S036948	☐	N16-010	Core		☐	☐	☐
26.82	34.44	7.62	SHL	0.00	0	Q010817	☐	N16-C07	Chip		☐	☐	☐
29.87	32.92	3.05	SHL	1.82	60	S036949	☐	N16-010	Core		☐	☐	☐
32.92	35.97	3.05	SHL	1.68	55	S036950	☐	N16-010	Core		☐	☐	☐
34.44	42.06	7.62	SHL	0.00	0	Q010818	☐	N16-C07	Chip		☐	☐	☐
35.97	39.01	3.04	SHL	2.01	66	S036951	☐	N16-010	Core		☐	☐	☐
39.01	42.06	3.05	SHL	1.81	59	S036953	☐	N16-010	Core		☐	☐	☐
42.06	45.11	3.05	SHL	2.79	91	S036954	☐	N16-010	Core		☐	☐	☐
42.06	49.68	7.62	SHL	0.00	0	Q010819	☐	N16-C07	Chip		☐	☐	☐
45.11	48.16	3.05	SHL	2.80	92	S036955	☐	N16-010	Core		☐	☐	☐
48.16	51.21	3.05	SHL	2.61	86	S036956	☐	N16-010	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
49.68	57.30	7.62	SHL	0.00	0	Q010820	☐	N16-C07	Chip		☐	☐	☐
51.21	54.25	3.04	SHL	1.94	64	S036957	☐	N16-010	Core		☐	☐	☐
54.25	55.78	1.53	SHL	1.01	66	S036958	☐	N16-010	Core		☐	☐	☐
55.78	58.83	3.05	SHL	1.58	52	S036959	☐	N16-010	Core		☐	☐	☐
57.30	64.92	7.62	SHL	0.00	0	Q010821	☐	N16-C07	Chip		☐	☐	☐
58.83	61.87	3.04	SHL	2.90	95	S036960	☐	N16-010	Core		☐	☐	☐
61.87	64.92	3.05	SHL	1.84	60	S036961	☐	N16-011	Core		☐	☐	☐
64.92	67.97	3.05	SHL	1.99	65	S036962	☐	N16-011	Core		☐	☐	☐
64.92	72.54	7.62	SHL	0.00	0	Q010822	☐	N16-C07	Chip		☐	☐	☐
67.97	71.02	3.05	SHL	2.14	70	S036963	☐	N16-011	Core		☐	☐	☐
71.02	74.07	3.05	SHL	2.65	87	S036964	☐	N16-011	Core		☐	☐	☐
72.54	80.16	7.62	SHL	0.00	0	Q010823	☐	N16-C07	Chip		☐	☐	☐
74.07	77.11	3.04	SHL	2.90	95	S036965	☐	N16-011	Core		☐	☐	☐
77.11	80.16	3.05	SHL	2.55	84	S036966	☐	N16-011	Core		☐	☐	☐
80.16	83.21	3.05	SHL	2.89	95	S036968	☐	N16-011	Core		☐	☐	☐
80.16	86.26	6.10	SHL	0.00	0	Q010824	☐	N16-C07	Chip		☐	☐	☐
83.21	86.26	3.05	SHL	2.48	81	S036969	☐	N16-011	Core		☐	☐	☐
86.26	87.78	1.52	SHL	1.52	100	S036970	☐	N16-011	Core		☐	☐	☐
86.26	89.54	3.28	SHL	0.00	0	Q010825	☐	N16-C07	Chip		☐	☐	☐
87.78	89.59	1.81	SHL	1.80	99	S036971	☐	N16-011	Core		☐	☐	☐
89.54	93.88	4.34	SHL	0.00	0	Q010826	☐	N16-C07	Chip		☐	☐	☐
89.59	90.83	1.24	SHL	1.21	98	S036972	☐	N16-011	Core		☐	☐	☐
90.83	92.00	1.17	FLR	1.16	99	S036973	☐	N16-011	Core		☐	☐	☐
92.00	93.88	1.88	FLR	1.61	86	S036974	☐	N16-011	Core		☐	☐	☐
93.88	96.45	2.57	FLR	1.81	70	S036975	☐	N16-011	Core		☐	☐	☐
93.88	101.50	7.62	FLR	0.00	0	Q010827	☐	N16-C07	Chip		☐	☐	☐
96.45	98.45	2.00	LST	1.77	89	S036976	☐	N16-011	Core		☐	☐	☐
96.45	98.45	2.00	LST	1.77	89	S036977	☐	N16-011	Core		☐	☑	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
98.45	99.34	0.89	LST	0.76	85	S036978	☐	N16-011	Core		☐	☐	☐
99.34	101.50	2.16	LST	2.03	94	S036979	☐	N16-011	Core		☐	☐	☐
101.50	104.55	3.05	LST	3.05	100	S036980	☐	N16-011	Core		☐	☐	☐
101.50	109.12	7.62	LST	0.00	0	Q010828	☐	N16-C07	Chip		☐	☐	☐
104.55	107.59	3.04	LST	2.93	96	S036982	☐	N16-011	Core		☐	☐	☐
107.59	110.64	3.05	LST	3.00	98	S036983	☐	N16-011	Core		☐	☐	☐
109.12	116.74	7.62	LST	0.00	0	Q010829	☐	N16-C07	Chip		☐	☐	☐
110.64	113.69	3.05	LST	2.92	96	S036984	☐	N16-011	Core		☐	☐	☐
113.69	116.74	3.05	LST	2.98	98	S036985	☐	N16-011	Core		☐	☐	☐
116.74	125.88	9.14	LST	0.00	0	Q010830	☐	N16-C07	Chip		☐	☐	☐
116.74	119.79	3.05	LST	3.01	99	S036986	☐	N16-011	Core		☐	☐	☐
116.74	119.79	3.05	LST	3.01	99	S036987	☐	N16-011	Core		☐	☐	☑
119.79	122.83	3.04	LST	2.79	92	S036988	☐	N16-011	Core		☐	☐	☐
122.83	125.88	3.05	LST	2.88	94	S036989	☐	N16-011	Core		☐	☐	☐
125.88	128.93	3.05	LST	2.90	95	S036991	☐	N16-011	Core		☐	☐	☐
125.88	131.98	6.10	LST	0.00	0	Q010831	☐	N16-C07	Chip		☐	☐	☐
128.93	131.98	3.05	LST	3.05	100	S036992	☐	N16-011	Core		☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618812	7113170	1337	110.64

ZONE: Orion

SECTION:

HOLE: AN -16-017

CLAIM: Dale 10

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth: 4.57m, Out

Drilling Dates: Sep 01 - Sep 06, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
3.96	280.93	-48.7	Reflex
104.54	279.33	-51.1	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	5.3	5.3	OVB
5.3	18.91	13.61	OVB
18.91	21.07	2.16	SHL
21.07	79.93	58.86	SHL
79.93	81.69	1.76	FLR
81.69	110.64	28.95	LST

SAMPLES	
Numbers:	M898501 to M898528, S036993 to S037000
Total:	36
Batch:	011, 012
Certificates:	WH16149285, WH16154023

COMMENTS

Hole ended in weakly oxidized limestone with stylolites.
Reflex files are on Rich's computer but have not been imported

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
5.30	18.91	13.61	OVB	FG	Rubbly, very poor recovery through overburden. Lithology is varied, including shale, green mudstone, and limestone. Most fragments have been re-drilled or spun.							
						MD	GY	RB				
						MD	BN					
18.91	21.07	2.16	SHL	VF	Brown, pervasively oxidized and gouged calcareous shale with fragments of shale, maroon mudstone, and grey limestone. Possible fault zone.							
						MD	BN	BX	OXI	4I		
									CLY	4I		
21.07	48.16	27.09	SHL	VF	Pervasively gouged and oxidized non-calcareous shale. Very poor recovery - zero rock recovered between 23.77-28.35m. Core is rubbly and fractured, with oxides on most fracture faces.							
						DK	GY		OXI	3I		
						DK	BN		CLY	3I		
48.16	75.59	27.43	SHL	VF	Dark black non-calcareous shale with beds of pyrite (approximately 0.5% of recovered core). Recovery is fractured, rubbly, and gouged. Oxide is weaker than earlier in the shale.							
						DK	BK	RB	OXI	2I	Py	0.5
								FR				
75.59	79.93	4.34	SHL	VF	Dark black non-calcareous shale with shear sense at 55 TCA. Massive pyrite in discontinuous beds and nodules. Thin quartz stringers (less than 1% recovery).							
						DK	BK	SH	OXI	2I	Py	0.35
79.93	81.69	1.76	FLR	FG	Limey fault rock and gouge with pervasive moderate-strong oxidization. Some limestone and non-calcareous shale fragments in gouge. Approximately 20cm of red gouge at 80-80.16m.							
						MD	BN		OXI	4I		
						MD	RD					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
81.69	94.23	12.54	LST	FG	Massive medium grey limestone with crackled texture, fractures, and fracture-limited oxidization. Cut by calcite veins, veinlets, and stringers which comprise about 5% of total recovery.							
						MD	BN	MA				
						MD	GY	FR	OXI	3I		
								CR				
94.23	110.64	16.41	LST	FG	Massive medium grey crackled limestone with weak oxidization on fractures and patch bleaching. Few thin black stylolites and rare 2cm oxide gouge seams. EOH							
						MD	GY	MA	OXI	2I		
						MD	BN	CR				

AN -16-017

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
5.30	18.91	13.61	OVB	FG	Rubbly, very poor recovery through overburden. Lithology is varied, including shale, green mudstone, and limestone. Most fragments have been re-drilled or spun.							
						MD	BN					
						MD	GY	RB				
18.91	21.07	2.16	SHL	VF	Brown, pervasively oxidized and gouged calcareous shale with fragments of shale, maroon mudstone, and grey limestone. Possible fault zone.							
									CLY	4I		
						MD	BN	BX	OXI	4I		
21.07	79.93	58.86	SHL	VF	Pervasively gouged and oxidized non-calcareous shale. Very poor recovery - zero rock recovered between 23.77-28.35m.							
						DK	BN		CLY	3I		
						DK	GY		OXI	3I		
79.93	81.69	1.76	FLR	FG	Limey fault rock and gouge with pervasive moderate-strong oxidization. Some limestone and non-calcareous shale fragments in gouge. Approximately 20cm of red gouge at 80-80.16m.							
						MD	RD					
						MD	BN		OXI	4I		
81.69	110.64	28.95	LST	FG	Massive medium grey limestone with crackled texture, fractures, and fracture-limited oxidization. Cut by calcite veins, veinlets, and stringers which comprise about 5% of total recovery. Limestone is more competent below 94m depth. EOH							
								MA				
						MD	BN	CR				
						MD	GY	FR	OXI	3I		

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	5.30	5.30	0	0	0.00	0	--	--	--	Casing, no recovery.
5.30	5.49	0.19	0.1	53	0.00	0	4R	3H	3W	Overburden from 5.30-19.20.
5.49	7.01	1.52	0	0	0.00	0	--	--	--	No recovery.
7.01	8.53	1.52	0.1	7	0.00	0	4R	3H	3W	Poor recovery.
8.53	10.06	1.53	0.05	3	0.00	0	4R	3H	3W	Poor recovery.
10.06	11.58	1.52	0.1	7	0.00	0	4R	3H	3W	Poor recovery.
11.58	13.11	1.53	0.1	7	0.00	0	4R	3H	3W	Poor recovery.
13.11	14.63	1.52	0.1	7	0.00	0	4R	3H	3W	Poor recovery.
14.63	16.15	1.52	0.12	8	0.00	0	4R	3H	3W	Poor recovery.
16.15	17.68	1.53	0.45	29	0.10	7	4R	3H	3W	Poor recovery.
17.68	19.20	1.52	0.4	26	0.00	0	2R	2H	3W	Poor recovery and end of overburden.
19.20	20.73	1.53	1.36	89	0.00	0	2R	2H	4W	
20.73	22.25	1.52	1	66	0.00	0	1R	1H	3W	
22.25	23.77	1.52	0.15	10	0.00	0	0R	1H	3W	Poor recovery.
23.77	25.30	1.53	0	0	0.00	0	--	--	--	No recovery.
25.30	26.82	1.52	0	0	0.00	0	--	--	--	No recovery.
26.82	28.35	1.53	0	0	0.00	0	--	--	--	No recovery.
28.35	29.87	1.52	0.08	5	0.00	0	0R	1H	2W	Poor recovery.
29.87	31.39	1.52	0.1	7	0.00	0	0R	1H	2W	Poor recovery.
31.39	32.92	1.53	0.08	5	0.00	0	0R	1H	2W	Poor recovery. Recovery is wet and muddy.
32.92	34.44	1.52	0.35	23	0.00	0	0R	2H	2W	
34.44	35.97	1.53	0.36	24	0.00	0	0R	2H	2W	
35.97	37.49	1.52	0.73	48	0.00	0	0R	2H	3W	
37.49	39.01	1.52	0.72	47	0.00	0	0R	2H	3W	
39.01	40.54	1.53	0.76	50	0.00	0	0R	2H	2W	
40.54	42.06	1.52	0.57	38	0.00	0	0R	2H	2W	
42.06	43.59	1.53	0.85	56	0.00	0	0R	3H	2W	
43.59	45.11	1.52	1.27	84	0.00	0	0R	3H	2W	
45.11	46.63	1.52	1.42	93	0.00	0	0R	3H	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
46.63	48.16	1.53	1.24	81	0.00	0	0R	3H	2W	
48.16	49.68	1.52	0.55	36	0.00	0	0R	2H	2W	
49.68	51.21	1.53	0.8	52	0.00	0	0R	2H	1W	
51.21	52.73	1.52	1.17	77	0.00	0	0R	2H	1W	
52.73	54.25	1.52	0.03	2	0.00	0	0R	2H	1W	
54.25	55.78	1.53	0	0	0.00	0	0R	--	--	No Recovery
55.78	57.30	1.52	0.2	13	0.00	0	0R	2H	1W	
57.30	58.83	1.53	0.29	19	0.00	0	0R	3H	1W	
58.83	60.35	1.52	1.13	74	0.00	0	0R	3H	1W	
60.35	61.87	1.52	1.45	95	0.21	14	0R	2H	2W	
61.87	63.40	1.53	1.3	85	0.29	19	0R	2H	2W	
63.40	64.92	1.52	1.52	100	0.25	16	0R	2H	2W	
64.92	66.45	1.53	1.3	85	0.10	7	0R	3H	1W	
66.45	67.97	1.52	1.22	80	0.00	0	0R	2H	1W	
67.97	69.49	1.52	1.41	93	0.14	9	0R	2H	1W	
69.49	71.02	1.53	1.49	97	0.36	24	0R	3H	1W	
71.02	72.54	1.52	1.36	89	0.13	9	0R	2H	1W	
72.54	74.07	1.53	1.46	95	0.00	0	0R	3H	1W	
74.07	75.59	1.52	1.41	93	0.22	14	0R	2H	1W	
75.59	77.11	1.52	1.4	92	0.64	42	0R	2H	1W	
77.11	78.64	1.53	1.51	99	0.26	17	0R	2H	1W	
78.64	80.16	1.52	1.29	85	0.75	49	0R	2H	2W	
80.16	81.69	1.53	1.3	85	0.00	0	2R	2H	4W	
81.69	83.21	1.52	1.5	99	0.35	23	4R	3H	3W	
83.21	84.73	1.52	1.5	99	0.00	0	4R	3H	2W	
84.73	86.26	1.53	1.48	97	0.00	0	4R	3H	2W	
86.26	87.78	1.52	0.72	47	0.00	0	4R	3H	3W	
87.78	89.31	1.53	1.24	81	0.00	0	4R	3H	3W	
89.31	90.83	1.52	1.17	77	0.14	9	4R	2H	3W	
90.83	92.35	1.52	0.87	57	0.14	9	4R	3H	2W	
92.35	93.88	1.53	0.88	58	0.27	18	4R	3H	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
93.88	95.40	1.52	1.52	100	0.44	29	4R	3H	2W	
95.40	96.93	1.53	1.39	91	1.08	71	4R	3H	2W	
96.93	98.45	1.52	1.52	100	1.20	79	4R	3H	2W	
98.45	99.97	1.52	1.52	100	0.85	56	4R	3H	1W	
99.97	101.50	1.53	1.53	100	0.92	60	4R	3H	1W	
101.50	103.02	1.52	1.5	99	1.24	82	4R	3H	1W	
103.02	104.55	1.53	1.52	99	0.97	63	4R	3H	1W	
104.55	106.07	1.52	1.39	91	1.16	76	4R	3H	2W	
106.07	107.59	1.52	1.38	91	1.14	75	4R	4H	2W	
107.59	109.12	1.53	1.53	100	1.19	78	4R	4H	1W	
109.12	110.64	1.52	1.49	98	1.10	72	4R	4H	1W	

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From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	M898506	☐	N16-012	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898516	☐	N16-012	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898518	☐	N16-012	Core	CS3	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	S036994	☐	N16-011	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898501	☐	N16-012	Core	CS1	☐	☐	☐
18.91	20.73	1.82	SHL, OVB	1.73	95	S036993	☐	N16-011	Core		☐	☐	☐
20.73	23.77	3.04	SHL	1.51	50	S036995	☐	N16-011	Core		☐	☐	☐
28.35	31.39	3.04	SHL	0.18	6	S036996	☐	N16-011	Core		☐	☐	☐
31.39	34.44	3.05	SHL	0.43	14	S036997	☐	N16-012	Core		☐	☐	☐
34.44	37.49	3.05	SHL	1.09	36	S036998	☐	N16-012	Core		☐	☐	☐
37.49	40.54	3.05	SHL	1.48	49	S036999	☐	N16-012	Core		☐	☐	☐
40.54	43.59	3.05	SHL	1.42	47	S037000	☐	N16-012	Core		☐	☐	☐
43.59	46.63	3.04	SHL	2.69	88	M898502	☐	N16-012	Core		☐	☐	☐
46.63	49.68	3.05	SHL	1.79	59	M898503	☐	N16-012	Core		☐	☐	☐
49.68	52.73	3.05	SHL	1.97	65	M898504	☐	N16-012	Core		☐	☐	☐
55.78	58.83	3.05	SHL	0.49	16	M898505	☐	N16-012	Core		☐	☐	☐
58.83	61.87	3.04	SHL	1.42	47	M898507	☐	N16-012	Core		☐	☐	☐
61.87	64.92	3.05	SHL	2.75	90	M898508	☐	N16-012	Core		☐	☐	☐
64.92	67.97	3.05	SHL	2.52	83	M898509	☐	N16-012	Core		☐	☐	☐
67.97	71.02	3.05	SHL	2.63	86	M898510	☐	N16-012	Core		☐	☐	☐
67.97	71.02	3.05	SHL	2.63	86	M898511	☐	N16-012	Core		☐	☐	☑
71.02	74.07	3.05	SHL	1.82	60	M898512	☐	N16-012	Core		☐	☐	☐
74.07	77.11	3.04	SHL	2.81	92	M898513	☐	N16-012	Core		☐	☐	☐
77.11	79.93	2.82	SHL	2.48	88	M898514	☐	N16-012	Core		☐	☐	☐
79.93	81.69	1.76	FLR, SHL	1.41	80	M898515	☐	N16-012	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
81.69	84.73	3.04	LST, FLR	3.00	99	M898517	☐	N16-012	Core		☐	☐	☐
84.73	87.78	3.05	LST	2.20	72	M898519	☐	N16-012	Core		☐	☐	☐
87.78	90.83	3.05	LST	2.41	79	M898520	☐	N16-012	Core		☐	☐	☐
90.83	93.88	3.05	LST	1.75	57	M898521	☐	N16-012	Core		☐	☐	☐
93.88	96.93	3.05	LST	1.91	63	M898522	☐	N16-012	Core		☐	☐	☐
96.93	99.97	3.04	LST	3.04	100	M898523	☐	N16-012	Core		☐	☐	☐
96.93	99.97	3.04	LST	3.04	100	M898524	☐	N16-012	Core		☐	☑	☐
99.97	103.02	3.05	LST	3.03	99	M898525	☐	N16-012	Core		☐	☐	☐
103.02	106.07	3.05	LST	2.91	95	M898526	☐	N16-012	Core		☐	☐	☐
106.07	109.12	3.05	LST	2.33	76	M898527	☐	N16-012	Core		☐	☐	☐
109.12	110.64	1.52	LST	1.10	72	M898528	☐	N16-012	Core		☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618812	7113170	1337	155.75

ZONE: Orion

SECTION:

HOLE: AN -16-018

CLAIM: Dale 10

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth: 6.1m, Out

Drilling Dates: Sep 07 - Sep 13, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
16.76	312.83	-58.3	Reflex
153.92	311.33	-61.1	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	6.1	6.1	OVB
6.1	16.15	10.05	OVB
16.15	120.57	104.42	SHL
120.57	125.66	5.09	FLR
125.66	129.14	3.48	SHL
129.14	131.7	2.56	FLR
131.7	152.5	20.8	LST
152.5	155.75	3.25	LST

SAMPLES	
Numbers:	M898529 to M898589
Total:	61
Batch:	012, 013, 014
Certificates:	WH16154023, WH16158763, WH16158764

COMMENTS

Hole ended when it hit a lower gouge seam that forced the drill torque high enough to break the timber it was sitting on. The core barrel was lost down the hole leading to the hole to be abandoned.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
6.10	16.15	10.05	OVB	FG	Rubbly, oxidized overburden with significant re-drill marks. Return is mostly limestone boulders.							
						MD	GY	RB				
						MD	BN					
16.15	45.11	28.96	SHL	VF	Low recovery in shattered, oxidized, non-calcareous black shale. Some intervals have very poor recovery, less than 10cm.							
						DK	BK	FR	OXI	3I		
								RB				
45.11	92.35	47.24	SHL	VF	Fresher, more compentent shale with pyrite bedding and white quartz stringers.							
						DK	BK				Py	1
92.35	120.57	28.22	SHL	VF	Sheared, strained black shale with 1-3cm pyrite beds. Nearing the fault.							
						DK	BK	SN			Py	2
120.57	125.66	5.09	FLR	FG	Calcite matrix fault breccia with non-calcareous shale clasts (dominant) and fewer medium grey limestone clasts. Shale and limestone show some oxide staining. Breccia make up varies between clast- and matrix-dominated.							
						MD	BN					
						MD	GY					
						LT	WH					
						DK	BK	BX	OXI	2I		
125.66	127.62	1.96	SHL	VF	Shale with pervasive weak clay alteration.							
						DK	BK		CLY	3I		
127.62	129.14	1.52	SHL	VF	Shale with pervasive clay alteration and oxidization along closed fractures.							
						DK	RD		CLY	2I		
						DK	BK		OXI	3I		
129.14	131.70	2.56	FLR	FG	Calcite-matrix fault breccia with dominantly limestone clasts and fewer non-calcareous shale clasts. Oxidization throughout.							
						MD	BN					
						MD	GY					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						LT	WH					
						DK	BK		OXI	3I		
131.70	150.07	18.37	LST	FG	Massive crackled medium grey limestone with bleached patches in the upper 5m. Oxide is mostly fracture-limited and decreases with depth.							
						MD	GY	MA	OXI	2I	Re	0.1
						MD	BN	CR	BLE	2I		
150.07	152.50	2.43	LST	FG	Massive crackled limestone with rubbly, fractured recovery, bleached patches, and moderate oxide on fracture surfaces. Cut by a 2cm orange gouge seam.							
						MD	BN	RB	BLE	3I		
						MD	GY	FR	OXI	3I		
152.50	155.75	3.25	LST	FG	Crackled limestone with oxidization, fracturing, and bleaching. Limestone is cut by 50cm calcite-cemented breccia and 20cm olive green gouge. EOH							
						MD	GY	RB	OXI	3I		
						MD	BN	CR	BLE	2I		
								FR				
								BX				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
6.10	16.15	10.05	OVB	FG	Rubbly, oxidized overburden with significant re-drill marks. Return is mostly limestone boulders.							
						MD	BN					
						MD	GY	RB				
16.15	120.57	104.42	SHL	VF	Low recovery, oxidized, non-calcareous black shale. Some intervals have very poor recovery, less than 10cm. Recovery gains competency and pyrite bedding below 45.11m.							
						DK	BK	FR				
						MD	BN	RB	OXI	3I		
120.57	125.66	5.09	FLR	FG	Calcite matrix fault breccia with non-calcareous shale clasts (dominant) and fewer medium grey limestone clasts. Shale and limestone show some oxide staining. Breccia make up varies between clast- and matrix-dominated.							
						MD	GY					
						LT	WH					
						MD	BN					
						DK	BK	BX	OXI	2I		
125.66	129.14	3.48	SHL	VF	Non calcareous shale with weak pervasive softening due to clay alteration and moderate oxidization below 127.62m.							
						DK	BK		CLY	3I	Py	2
129.14	131.70	2.56	FLR	FG	Calcite-matrix fault breccia with dominantly limestone clasts and fewer non-calcareous shale clasts. Oxidization throughout.							
						MD	BN					
						DK	BK		OXI	3I		
						LT	WH					
						MD	GY					
131.70	152.50	20.80	LST	FG	Massive crackled medium grey limestone with bleached patches in the upper 5m. Oxide is mostly fracture-limited and decreases with depth, but returns at 150m.							

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	MA	OXI	2I	Re	0.1
						MD	BN	CR	BLE	2I		
152.50	155.75	3.25	LST	FG	Crackled limestone with oxidization, fracturing, and bleaching. Limestone is cut by 50cm calcite-cemented breccia and 20cm olive green gouge. EOH							
								FR				
						MD	BN	CR	BLE	2I		
								BX				
						MD	GY	RB	OXI	3I		

AN -16-018

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	6.10	6.10	0	0	0.00	0	0R	--	--	OVB Casing
6.10	7.01	0.91	0.35	38	0.00	0	3R	3H	2W	OVB
7.01	8.53	1.52	0.11	7	0.00	0	3R	3H	2W	Overburden
8.53	10.06	1.53	0.1	7	0.00	0	3R	3H	2W	Overburden
10.06	11.58	1.52	0.31	20	0.00	0	3R	3H	2W	Overburden
11.58	13.11	1.53	0.26	17	0.00	0	3R	3H	2W	Overburden
13.11	14.63	1.52	0.16	11	0.00	0	3R	3H	3W	Overburden
14.63	16.15	1.52	0.15	10	0.00	0	3R	3H	3W	Overburden
16.15	17.68	1.53	0.06	4	0.00	0	0R	2H	3W	
17.68	19.20	1.52	0.23	15	0.00	0	0R	2H	3W	
19.20	20.73	1.53	0.05	3	0.00	0	0R	2H	3W	
20.73	22.25	1.52	0.02	1	0.00	0	0R	2H	3W	
22.25	23.77	1.52	0.32	21	0.00	0	0R	2H	3W	
23.77	25.30	1.53	0.44	29	0.00	0	0R	2H	3W	
25.30	26.82	1.52	1.32	87	0.11	7	0R	3H	3W	
26.82	28.35	1.53	1.15	75	0.00	0	0R	3H	3W	
28.35	29.87	1.52	0.84	55	0.00	0	0R	3H	3W	
29.87	31.39	1.52	0.89	59	0.00	0	0R	3H	3W	
31.39	32.92	1.53	1.53	100	0.00	0	0R	2H	3W	
32.92	34.44	1.52	0.68	45	0.00	0	0R	2H	3W	
34.44	35.97	1.53	0.63	41	0.00	0	0R	2H	3W	
35.97	37.49	1.52	1.14	75	0.00	0	0R	2H	3W	
37.49	39.01	1.52	0.76	50	0.00	0	0R	2H	2W	
39.01	40.54	1.53	0.7	46	0.00	0	0R	2H	1W	
40.54	42.06	1.52	0.55	36	0.00	0	0R	2H	1W	
42.06	43.59	1.53	1.11	73	0.00	0	0R	2H	1W	
43.59	45.11	1.52	0.85	56	0.00	0	0R	3H	1W	
45.11	46.63	1.52	1.46	96	0.17	11	0R	3H	1W	
46.63	48.16	1.53	1.3	85	0.61	40	0R	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
48.16	49.68	1.52	1.45	95	0.47	31	0R	3H	1W	
49.68	51.21	1.53	1.27	83	0.21	14	0R	2H	1W	
51.21	52.73	1.52	1.11	73	0.00	0	0R	2H	1W	
52.73	54.25	1.52	1.16	76	0.00	0	0R	2H	1W	
54.25	55.78	1.53	1.44	94	0.00	0	0R	3H	1W	
55.78	57.30	1.52	1.33	88	0.18	12	0R	2H	1W	
57.30	58.83	1.53	1.43	93	0.43	28	0R	2H	1W	
58.83	60.35	1.52	1.49	98	0.88	58	0R	3H	1W	
60.35	61.87	1.52	1.16	76	0.25	16	0R	2H	1W	
61.87	63.40	1.53	1.49	97	1.36	89	0R	3H	1W	
63.40	64.92	1.52	1.42	93	1.24	82	0R	3H	1W	
64.92	66.45	1.53	1.48	97	0.44	29	0R	3H	1W	
66.45	67.97	1.52	1.49	98	0.62	41	0R	3H	1W	
67.97	69.49	1.52	1.46	96	0.75	49	0R	3H	1W	
69.49	71.02	1.53	1.4	92	0.89	58	0R	3H	1W	
71.02	72.54	1.52	1.5	99	1.01	66	0R	3H	1W	
72.54	74.07	1.53	1.43	93	1.24	81	0R	3H	1W	
74.07	75.59	1.52	1.52	100	0.96	63	0R	3H	1W	
75.59	77.11	1.52	1.21	80	0.88	58	0R	3H	1W	
77.11	78.64	1.53	1.53	100	1.05	69	0R	3H	1W	
78.64	80.16	1.52	1.44	95	0.96	63	0R	3H	1W	
80.16	81.69	1.53	1.53	100	0.91	59	0R	3H	1W	
81.69	83.21	1.52	1.34	88	0.69	45	0R	3H	1W	
83.21	84.73	1.52	1.44	95	1.09	72	0R	3H	1W	
84.73	86.26	1.53	1.47	96	0.98	64	0R	3H	1W	
86.26	87.78	1.52	1.4	92	0.76	50	0R	3H	1W	
87.78	89.31	1.53	1.53	100	1.27	83	0R	3H	1W	
89.31	90.83	1.52	1.48	97	1.09	72	0R	3H	1W	
90.83	92.35	1.52	1.47	97	1.25	82	0R	3H	1W	
92.35	93.88	1.53	1.5	98	1.14	75	0R	3H	1W	
93.88	95.40	1.52	1.4	92	1.36	89	0R	2H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
95.40	96.93	1.53	1.45	95	1.27	83	0R	2H	1W	
96.93	98.45	1.52	1.44	95	1.35	89	0R	2H	1W	
98.45	99.97	1.52	1.46	96	1.39	91	0R	2H	1W	
99.97	101.50	1.53	1.36	89	1.09	71	0R	2H	1W	
101.50	103.02	1.52	1.49	98	0.71	47	0R	2H	1W	
103.02	104.55	1.53	1.41	92	0.00	0	0R	2H	1W	
104.55	106.07	1.52	1.33	88	0.00	0	0R	2H	1W	
106.07	107.59	1.52	1.43	94	0.92	61	0R	2H	1W	
107.59	109.12	1.53	1.43	93	0.57	37	0R	2H	1W	
109.12	110.64	1.52	1.48	97	1.02	67	0R	2H	1W	
110.64	112.17	1.53	1.52	99	0.92	60	0R	2H	1W	
112.17	113.69	1.52	1.4	92	0.82	54	0R	2H	1W	
113.69	115.21	1.52	1.46	96	1.07	70	0R	2H	1W	
115.21	116.74	1.53	1.44	94	1.04	68	0R	2H	1W	
116.74	118.26	1.52	1.52	100	0.37	24	0R	2H	1W	
118.26	119.79	1.53	1.19	78	0.35	23	2R	2H	1W	
119.79	121.31	1.52	1.45	95	1.12	74	2R	2H	2W	
121.31	122.83	1.52	1.51	99	0.99	65	2R	3H	2W	
122.83	124.36	1.53	1.31	86	0.85	56	2R	2H	3W	
124.36	125.88	1.52	1.23	81	0.00	0	2R	3H	3W	
125.88	127.41	1.53	1.5	98	0.90	59	0R	2H	1W	
127.41	128.93	1.52	1.47	97	0.70	46	0R	2H	4W	
128.93	130.45	1.52	0.7	46	0.24	16	2R	2H	3W	
130.45	131.98	1.53	0.75	49	0.37	24	2R	3H	2W	Re-drill
131.98	133.50	1.52	1.19	78	0.82	54	2R	3H	2W	
133.50	135.03	1.53	1.53	100	1.36	89	2R	4H	2W	
135.03	136.55	1.52	1.42	93	1.42	93	3R	4H	2W	
136.55	138.07	1.52	1.51	99	1.51	99	3R	4H	2W	
138.07	139.60	1.53	1.53	100	1.34	88	3R	4H	2W	
139.60	141.12	1.52	1.52	100	1.50	99	3R	4H	2W	
141.12	142.65	1.53	1.53	100	1.48	97	3R	4H	2W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
142.65	144.17	1.52	1.43	94	1.28	84	3R	4H	1W	
144.17	145.69	1.52	1.44	95	1.03	68	3R	4H	1W	
145.69	147.22	1.53	1.53	100	0.82	54	3R	4H	2W	
147.22	148.74	1.52	1.47	97	1.02	67	3R	4H	2W	
148.74	150.27	1.53	1.38	90	1.05	69	3R	4H	2W	
150.27	151.79	1.52	1.52	100	0.62	41	3R	4H	3W	
151.79	153.31	1.52	1.42	93	0.79	52	3R	4H	3W	
153.31	154.84	1.53	0.6	39	0.21	14	3R	3H	3W	
154.84	155.75	0.91	0.91	100	0.43	47	3R	4H	3W	

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From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	M898546	☐	N16-013	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898550	☐	N16-013	Core	CS1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898567	☐	N16-013	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898571	☐	N16-014	Core	CS3	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898574	☐	N16-014	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898588	☐	N16-014	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898540	☐	N16-013	Core	CS3	☐	☐	☐
16.15	19.20	3.05	SHL, OVB	0.29	10	M898529	☐	N16-012	Core		☐	☐	☐
19.20	22.25	3.05	SHL	0.07	2	M898530	☐	N16-012	Core		☐	☐	☐
22.25	25.30	3.05	SHL	0.76	25	M898531	☐	N16-012	Core		☐	☐	☐
25.30	28.35	3.05	SHL	2.47	81	M898532	☐	N16-012	Core		☐	☐	☐
28.35	31.39	3.04	SHL	1.73	57	M898533	☐	N16-013	Core		☐	☐	☐
31.39	34.44	3.05	SHL	1.62	53	M898534	☐	N16-013	Core		☐	☐	☐
34.44	37.49	3.05	SHL	1.77	58	M898535	☐	N16-013	Core		☐	☐	☐
37.49	40.54	3.05	SHL	1.46	48	M898536	☐	N16-013	Core		☐	☐	☐
37.49	40.54	3.05	SHL	1.46	48	M898537	☐	N16-013	Core		☐	☑	☐
40.54	43.59	3.05	SHL	1.66	54	M898538	☐	N16-013	Core		☐	☐	☐
43.59	46.63	3.04	SHL	2.31	76	M898539	☐	N16-013	Core		☐	☐	☐
46.63	49.68	3.05	SHL	1.75	57	M898541	☐	N16-013	Core		☐	☐	☐
49.68	52.73	3.05	SHL	2.38	78	M898542	☐	N16-013	Core		☐	☐	☐
52.73	55.78	3.05	SHL	2.60	85	M898543	☐	N16-013	Core		☐	☐	☐
55.78	58.83	3.05	SHL	1.76	58	M898544	☐	N16-013	Core		☐	☐	☐
58.83	61.87	3.04	SHL	2.65	87	M898545	☐	N16-013	Core		☐	☐	☐
61.87	64.92	3.05	SHL	2.91	95	M898547	☐	N16-013	Core		☐	☐	☐
64.92	67.97	3.05	SHL	2.97	97	M898548	☐	N16-013	Core		☐	☐	☐
67.97	71.02	3.05	SHL	2.86	94	M898549	☐	N16-013	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
71.02	74.07	3.05	SHL	2.93	96	M898551	☐	N16-013	Core		☐	☐	☐
74.07	77.11	3.04	SHL	2.73	90	M898552	☐	N16-013	Core		☐	☐	☐
77.11	80.16	3.05	SHL	2.97	97	M898553	☐	N16-013	Core		☐	☐	☐
80.16	83.21	3.05	SHL	2.87	94	M898554	☐	N16-013	Core		☐	☐	☐
83.21	86.26	3.05	SHL	2.91	95	M898555	☐	N16-013	Core		☐	☐	☐
83.21	86.26	3.05	SHL	2.91	95	M898556	☐	N16-013	Core		☐	☐	☑
86.26	89.31	3.05	SHL	2.93	96	M898557	☐	N16-013	Core		☐	☐	☐
89.31	92.35	3.04	SHL	2.95	97	M898558	☐	N16-013	Core		☐	☐	☐
92.35	95.40	3.05	SHL	2.90	95	M898559	☐	N16-013	Core		☐	☐	☐
95.40	98.45	3.05	SHL	2.89	95	M898560	☐	N16-013	Core		☐	☐	☐
98.45	101.50	3.05	SHL	2.82	92	M898561	☐	N16-013	Core		☐	☐	☐
101.50	104.55	3.05	SHL	2.90	95	M898562	☐	N16-013	Core		☐	☐	☐
104.55	107.59	3.04	SHL	2.77	91	M898563	☐	N16-013	Core		☐	☐	☐
107.59	110.64	3.05	SHL	2.91	95	M898564	☐	N16-013	Core		☐	☐	☐
110.64	113.69	3.05	SHL	1.92	63	M898565	☐	N16-013	Core		☐	☐	☐
113.69	116.74	3.05	SHL	1.90	62	M898566	☐	N16-013	Core		☐	☐	☐
116.74	118.26	1.52	SHL	1.52	100	M898568	☐	N16-013	Core		☐	☐	☐
118.26	120.57	2.31	SHL	1.93	84	M898569	☐	N16-014	Core		☐	☐	☐
120.57	122.83	2.26	SHL, FLR	2.25	100	M898570	☐	N16-014	Core		☐	☐	☐
122.83	125.66	2.83	FLR	1.30	46	M898572	☐	N16-014	Core		☐	☐	☐
125.66	127.62	1.96	FLR, SHL	1.96	100	M898573	☐	N16-014	Core		☐	☐	☐
127.62	129.14	1.52	SHL	1.43	94	M898575	☐	N16-014	Core		☐	☐	☐
129.14	131.70	2.56	FLR, SHL	0.93	36	M898576	☐	N16-014	Core		☐	☐	☐
131.70	133.50	1.80	LST, FLR	1.38	77	M898577	☐	N16-014	Core		☐	☐	☐
131.70	133.50	1.80	LST, FLR	1.38	77	M898578	☐	N16-014	Core		☐	☑	☐
133.50	136.55	3.05	LST	2.95	97	M898579	☐	N16-014	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
136.55	139.60	3.05	LST	3.04	100	M898580	☐	N16-014	Core		☐	☐	☐
139.60	142.65	3.05	LST	3.05	100	M898581	☐	N16-014	Core		☐	☐	☐
142.65	144.17	1.52	LST	1.43	94	M898582	☐	N16-014	Core		☐	☐	☐
144.17	147.22	3.05	LST	1.94	64	M898583	☐	N16-014	Core		☐	☐	☐
147.22	150.27	3.05	LST	1.38	45	M898584	☐	N16-014	Core		☐	☐	☐
147.22	150.27	3.05	LST	1.38	45	M898585	☐	N16-014	Core		☐	☐	☑
150.27	152.50	2.23	LST	2.23	100	M898586	☐	N16-014	Core		☐	☐	☐
152.50	154.84	2.34	LST, LST	2.34	100	M898587	☐	N16-014	Core		☐	☐	☐
154.84	155.75	0.91	LST	0.91	100	M898589	☐	N16-014	Core		☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618815	7113170	1343.8	282.85

ZONE: Orion

SECTION:

HOLE: AN -16-019

CLAIM: Dale 10

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth: 7.62m, Out

Drilling Dates: Sep 14 - Sep 19, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method
17.67	40.43	-59.3	Reflex
282.85	35.63	-60.8	Reflex

TARGET:

SUMMARY			
From (m)	To (m)	Interval (m)	Rock Type
0	7.5	7.5	OVB
7.5	14.63	7.13	OVB
14.63	25.4	10.77	SHL
25.4	252.37	226.97	SHL
252.37	262.34	9.97	SHL
262.34	264.22	1.88	FLR
264.22	282.85	18.63	LST

SAMPLES	
Numbers:	M898590 to M898698
Total:	109
Batch:	014, 015, 016, 017
Certificates:	WH16158764, WH16158766, WH16161288, WH16161290

COMMENTS

Anubis fault was 120m deeper than expected. Hole was ended in footwall limestone.

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
7.50	14.63	7.13	OVB	FG	Overburden with lots of re-drill, limestone, non-calcareous shale, and very poor recovery.							
						MD	GY	RB				
								FR				
14.63	25.40	10.77	SHL	VF	Black non-calcareous shale with fracturing and moderate oxidization on fractures.							
						DK	BK	FR	OXI	3I		
						DK	BN					
25.40	176.17	150.77	SHL	VF	Black non-calcareous shale with pyrite beds/stringers and few white quartz-calcite veins and vein breccias. Occasional dark grey 1cm sandy beds are present at a 1 per 2 m frequency. Sand bed frequency increases to 10 per 1 m frequency with depth. Fracturing is preferential along bedding planes, ranging between 25-45 TCA. Occasionaly gougey, clay altered patches.							
						DK	BK				Py	0.1
176.17	188.37	12.20	SHL	VF	As above, but weakly calcareous in fractures, except around rubble at 183.70m.							
						DK	BK	FR			Py	0.1
								BD				
188.37	252.37	64.00	SHL	VF	Black non-calcareous shale with sandy beds at 2 per 1m, beginning to show lower angle fractures/bedding and longer rubble/gouge sections. White quartz 1-3cm veining and vein breccias are found from 215.4-224.6m. Trace oxide between 244-246m.							
						DK	BK	FR			Py	0.1
252.37	262.34	9.97	SHL	VF	Softened black non-calcareous shale with low angle fracturing and foliation. Weak to moderate oxidization in fractures and clay-altered areas.							
						MD	BN		CLY	1I		
						DK	BK	SN	OXI	3I		
262.34	263.04	0.70	LST	FG	Medium grey limestone with thin netted quartz stringers and oxidization limited to stringers and fractures. 25cm oxidized gouge.							
									OXI	3I		
									CLY	3I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
263.04	264.22	1.18	SHL	VF	Softened, strained shale with pervasive oxidization and stringer/fracture-limited oxide. Short oxidized gouge section at end of interval.							
						MD	BN					
						DK	BK	SN				
264.22	282.85	18.63	LST	FG	Massive medium grey limestone with netted white quartz-calcite veinlets/stringers. Fractures have weak-moderate oxide. Veining is approximately 5% of rock volume. Brittle fracturing increases at 277.3m, but lacks clay alteration, gouge, or stronger oxidization. EOH							
						MD	GY	FR	OXI	2I		
						MD	BN					

AN -16-019

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
7.50	14.63	7.13	OVB	FG	Overburden with lots of re-drill, limestone, non-calcareous shale, and very poor recovery.							
								FR				
						MD	GY	RB				
14.63	25.40	10.77	SHL	VF	Black non-calcareous shale with fracturing and moderate oxidization on fractures.							
						DK	BN					
						DK	BK	FR	OXI	3I		
25.40	252.37	226.97	SHL	VF	Black non-calcareous shale with pyrite beds/stringers and few white quartz-calcite veins and vein breccias. Occasional dark grey 1cm sandy beds are present at a 1 per 2 m frequency. Sand bed frequency increases to 10 per 1 m frequency with depth. Fracturing is preferential along bedding planes, ranging between 25-45 TCA. Occasionaly gougey, clay altered patches.							
						DK	BK				Py	0.1
252.37	262.34	9.97	SHL	VF	Softened black non-calcareous shale with low angle fracturing and foliation. Weak to moderate oxidization in fractures and clay-altered areas.							
						MD	BN		CLY	1I		
						DK	BK	SN	OXI	3I		
262.34	264.22	1.88	FLR	FG	Fault rock which alternates between shale and limestone, with 33% of the interval being oxidized/strained shale and 66% oxidized limestone. There are short gouge intervals at the start and end of the interval.							
						MD	GY					
						MD	BN		OXI	3I		
						DK	BK	SN	CLY	3I		
264.22	282.85	18.63	LST	FG	Massive medium grey limestone with netted white quartz-calcite veinlets/stringers. Fractures have weak-moderate oxide. Veining is approximately 5% of rock volume. Brittle fracturing increases at 277.3m, but lacks clay alteration, gouge, or stronger oxidization. EOH							
						MD	BN					

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Shade	Colour	Texture	Alteration	Intensity	Mineral	Conc.
						MD	GY	FR	OXI	2I		

AN -16-019

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
0.00	7.50	7.50	0	0	0.00	0	0R	--	--	Overburden, no recovery
7.50	8.53	1.03	0.73	71	0.00	0	3R	3H	3W	Overburden
8.53	10.06	1.53	0.27	18	0.00	0	3R	2H	3W	Overburden
10.06	11.58	1.52	0.06	4	0.00	0	3R	3H	3W	Overburden
11.58	13.11	1.53	0	0	0.00	0	0R	--	--	Overburden, no recovery
13.11	14.63	1.52	0.11	7	0.00	0	2R	3H	3W	Overburden
14.63	16.15	1.52	0.25	16	0.00	0	0R	2H	3W	
16.15	17.68	1.53	1.2	78	0.00	0	0R	2H	3W	
17.68	19.20	1.52	1.18	78	0.00	0	0R	3H	3W	
19.20	20.73	1.53	1.47	96	0.00	0	0R	3H	2W	
20.73	22.25	1.52	0.51	34	0.00	0	0R	2H	2W	
22.25	23.77	1.52	0.98	64	0.00	0	0R	2H	2W	
23.77	25.30	1.53	0.45	29	0.00	0	0R	3H	2W	
25.30	26.82	1.52	0.77	51	0.00	0	0R	3H	2W	
26.82	28.35	1.53	0.85	56	0.12	8	0R	3H	1W	
28.35	29.87	1.52	1.37	90	0.00	0	0R	3H	1W	
29.87	31.39	1.52	0.52	34	0.26	17	0R	3H	1W	
31.39	32.92	1.53	1.46	95	0.26	17	0R	3H	1W	
32.92	34.44	1.52	0.62	41	0.00	0	0R	2H	1W	
34.44	35.97	1.53	1.53	100	0.22	14	0R	3H	1W	
35.97	37.49	1.52	1.32	87	0.00	0	0R	3H	1W	
37.49	39.01	1.52	1.14	75	0.12	8	0R	3H	1W	
39.01	40.54	1.53	1.53	100	0.31	20	0R	3H	1W	
40.54	42.06	1.52	1.25	82	0.26	17	0R	3H	1W	
42.06	43.59	1.53	1.53	100	0.58	38	0R	3H	1W	
43.59	45.11	1.52	1.28	84	0.25	16	0R	3H	1W	
45.11	46.63	1.52	1.26	83	0.11	7	0R	3H	1W	
46.63	48.16	1.53	1.48	97	0.00	0	0R	3H	1W	
48.16	49.68	1.52	1.03	68	0.00	0	0R	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
49.68	51.21	1.53	1.41	92	0.46	30	0R	3H	1W	
51.21	52.73	1.52	1.43	94	0.41	27	0R	3H	1W	
52.73	54.25	1.52	1.52	100	0.00	0	0R	3H	1W	
54.25	55.78	1.53	1.53	100	0.62	41	0R	3H	1W	
55.78	57.30	1.52	1.27	84	0.30	20	0R	3H	1W	
57.30	58.83	1.53	1.49	97	0.11	7	0R	3H	1W	
58.83	60.35	1.52	1.52	100	0.31	20	0R	3H	1W	
60.35	61.87	1.52	1.45	95	0.14	9	0R	3H	1W	
61.87	63.40	1.53	1.53	100	0.26	17	0R	3H	1W	
63.40	64.92	1.52	1.52	100	0.47	31	0R	3H	1W	
64.92	66.45	1.53	1.5	98	0.00	0	0R	3H	1W	
66.45	67.97	1.52	0.2	13	0.00	0	0R	3H	1W	
67.97	69.49	1.52	1.52	100	0.40	26	0R	3H	1W	
69.49	71.02	1.53	1.42	93	0.00	0	0R	3H	1W	
71.02	72.54	1.52	1.43	94	0.53	35	0R	3H	1W	
72.54	74.07	1.53	1.47	96	0.31	20	0R	3H	1W	
74.07	75.59	1.52	1.42	93	0.55	36	0R	3H	1W	
75.59	77.11	1.52	1.38	91	0.27	18	0R	3H	1W	
77.11	78.64	1.53	1.47	96	0.36	24	0R	3H	1W	
78.64	80.16	1.52	1.52	100	0.63	41	0R	3H	1W	
80.16	81.69	1.53	1.41	92	0.23	15	0R	3H	1W	
81.69	83.21	1.52	1.4	92	0.31	20	0R	3H	1W	
83.21	84.73	1.52	1.52	100	0.29	19	0R	3H	1W	
84.73	86.26	1.53	0.89	58	0.00	0	0R	3H	1W	
86.26	87.78	1.52	1.46	96	0.00	0	0R	3H	1W	
87.78	89.31	1.53	1.42	93	0.00	0	0R	3H	1W	
89.31	90.83	1.52	1.5	99	0.42	28	0R	3H	1W	
90.83	92.35	1.52	1.46	96	0.20	13	0R	3H	1W	
92.35	93.88	1.53	1.53	100	0.11	7	0R	3H	1W	
93.88	95.40	1.52	1.37	90	0.22	14	0R	3H	1W	
95.40	96.93	1.53	1.4	92	0.28	18	0R	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
96.93	98.45	1.52	1.35	89	0.38	25	0R	3H	1W	
98.45	99.97	1.52	1.49	98	0.41	27	0R	3H	1W	
99.97	101.50	1.53	1.24	81	0.00	0	0R	3H	1W	
101.50	103.02	1.52	1.52	100	0.00	0	0R	3H	1W	
103.02	104.55	1.53	1.42	93	0.00	0	0R	3H	1W	
104.55	106.07	1.52	1.32	87	0.00	0	0R	3H	1W	
106.07	107.59	1.52	1.51	99	0.10	7	0R	3H	1W	
107.59	109.12	1.53	1.18	77	0.12	8	0R	3H	1W	
109.12	110.64	1.52	1.52	100	0.45	30	0R	3H	1W	
110.64	112.17	1.53	1.49	97	0.22	14	0R	3H	1W	
112.17	113.69	1.52	1.3	86	0.00	0	0R	3H	1W	
113.69	115.21	1.52	1.37	90	0.00	0	0R	3H	1W	
115.21	116.74	1.53	1.53	100	0.26	17	0R	3H	1W	
116.74	118.26	1.52	1.52	100	0.62	41	0R	2H	1W	
118.26	119.79	1.53	1.53	100	0.86	56	0R	3H	1W	
119.79	121.31	1.52	1.52	100	0.72	47	0R	3H	1W	
121.31	122.83	1.52	1.51	99	0.84	55	0R	3H	1W	
122.83	124.36	1.53	1.51	99	1.18	77	0R	3H	1W	
124.36	125.88	1.52	1.39	91	0.80	53	0R	3H	1W	
125.88	127.41	1.53	1.46	95	1.14	75	0R	3H	1W	
127.41	128.93	1.52	1.45	95	0.98	64	0R	3H	1W	
128.93	130.45	1.52	1.49	98	0.53	35	0R	2H	1W	
130.45	131.98	1.53	1.45	95	1.10	72	0R	3H	1W	
131.98	133.50	1.52	1.4	92	0.63	41	0R	3H	1W	
133.50	135.03	1.53	1.45	95	0.00	0	0R	3H	1W	
135.03	136.55	1.52	1.52	100	0.72	47	0R	3H	1W	
136.55	138.07	1.52	1.4	92	0.15	10	0R	3H	1W	
138.07	139.60	1.53	1.44	94	0.25	16	0R	3H	1W	
139.60	141.12	1.52	1.46	96	0.30	20	0R	3H	1W	
141.12	142.65	1.53	1.53	100	0.42	27	0R	3H	1W	
142.65	144.17	1.52	1.52	100	0.22	14	0R	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
144.17	145.69	1.52	1.43	94	0.80	53	0R	3H	1W	
145.69	147.22	1.53	1.47	96	0.63	41	0R	3H	1W	
147.22	148.74	1.52	1.52	100	0.56	37	0R	3H	1W	
148.74	150.27	1.53	1.53	100	0.21	14	0R	3H	1W	
150.27	151.79	1.52	1.52	100	0.00	0	0R	2H	1W	
151.79	153.31	1.52	1.35	89	0.67	44	0R	3H	1W	
153.31	154.84	1.53	1.46	95	0.65	42	0R	3H	1W	
154.84	156.36	1.52	1.48	97	0.88	58	0R	3H	1W	
156.36	157.89	1.53	1.53	100	0.12	8	0R	3H	1W	
157.89	159.41	1.52	1.42	93	0.00	0	0R	3H	1W	
159.41	160.94	1.53	1.45	95	0.18	12	0R	3H	1W	
160.94	162.46	1.52	1.36	89	0.63	41	0R	2H	1W	
162.46	163.98	1.52	1.52	100	0.10	7	0R	2H	1W	
163.98	165.51	1.53	1.17	76	0.10	7	0R	3H	1W	
165.51	167.03	1.52	1.52	100	0.11	7	0R	3H	1W	
167.03	168.55	1.52	1.48	97	0.30	20	0R	3H	1W	
168.55	170.08	1.53	1.49	97	0.72	47	0R	3H	1W	
170.08	171.60	1.52	1.52	100	1.06	70	0R	3H	1W	
171.60	173.13	1.53	1.53	100	0.59	39	0R	3H	1W	
173.13	174.65	1.52	1.52	100	0.24	16	0R	3H	1W	
174.65	176.17	1.52	1.42	93	0.53	35	0R	3H	1W	
176.17	177.70	1.53	1.53	100	0.82	54	0R	3H	1W	
177.70	179.22	1.52	1.52	100	0.93	61	0R	3H	1W	
179.22	180.75	1.53	1.45	95	1.16	76	1R	3H	1W	
180.75	182.27	1.52	1.32	87	0.52	34	1R	3H	1W	
182.27	183.79	1.52	1.5	99	1.00	66	2R	3H	1W	
183.79	185.32	1.53	1.53	100	0.73	48	1R	3H	1W	
185.32	186.84	1.52	1.48	97	0.90	59	1R	3H	1W	
186.84	188.37	1.53	1.52	99	0.38	25	1R	3H	1W	
188.37	189.89	1.52	1.4	92	0.31	20	0R	3H	1W	
189.89	191.41	1.52	1.52	100	0.41	27	0R	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
191.41	192.94	1.53	1.38	90	0.63	41	1R	3H	1W	
192.94	194.46	1.52	1.52	100	0.78	51	0R	3H	1W	
194.46	195.99	1.53	1.4	92	0.12	8	0R	3H	1W	
195.99	197.51	1.52	1.18	78	0.22	14	0R	2H	1W	
197.51	199.03	1.52	1.52	100	0.75	49	0R	3H	1W	
199.03	200.56	1.53	1.48	97	0.28	18	0R	3H	1W	
200.56	202.08	1.52	1.39	91	0.00	0	1R	2H	1W	
202.08	203.61	1.53	1.52	99	0.00	0	0R	2H	1W	
203.61	205.13	1.52	1.31	86	0.49	32	1R	3H	1W	
205.13	206.65	1.52	1.52	100	0.27	18	0R	3H	1W	
206.65	208.18	1.53	1.42	93	0.67	44	0R	3H	1W	
208.18	209.70	1.52	1.43	94	0.12	8	0R	3H	1W	
209.70	211.23	1.53	1.5	98	0.53	35	0R	3H	1W	
211.23	212.75	1.52	1.21	80	0.13	9	0R	3H	1W	
212.75	214.27	1.52	1.52	100	0.53	35	0R	3H	1W	
214.27	215.80	1.53	1.53	100	0.41	27	0R	3H	1W	
215.80	217.32	1.52	1.49	98	0.58	38	0R	3H	1W	
217.32	218.85	1.53	1.39	91	0.22	14	0R	3H	1W	
218.85	220.37	1.52	1.51	99	0.00	0	0R	3H	1W	
220.37	221.89	1.52	1.41	93	0.78	51	0R	3H	1W	
221.89	223.42	1.53	1.52	99	0.72	47	0R	3H	1W	
223.42	224.94	1.52	1.45	95	0.60	39	0R	3H	1W	
224.94	226.47	1.53	1.53	100	1.21	79	0R	3H	1W	
226.47	227.99	1.52	1.45	95	1.00	66	0R	3H	1W	
227.99	229.51	1.52	1.52	100	0.23	15	0R	2H	1W	
229.51	231.04	1.53	1.51	99	0.20	13	0R	2H	1W	
231.04	232.56	1.52	1.4	92	0.83	55	0R	2H	1W	
232.56	234.09	1.53	1.46	95	0.46	30	0R	3H	1W	
234.09	235.61	1.52	1.52	100	0.44	29	0R	2H	1W	
235.61	237.13	1.52	1.5	99	0.20	13	0R	2H	1W	
237.13	238.66	1.53	1.43	93	0.28	18	0R	3H	1W	

From (m)	To (m)	Interval (m)	Recovery (m)	Recovery %	RQD	RQD %	Reactivity	Hardness	Weathering	Comments
238.66	240.18	1.52	1.31	86	0.00	0	0R	2H	1W	
240.18	241.71	1.53	1.47	96	0.26	17	0R	3H	1W	
241.71	243.23	1.52	1.52	100	0.81	53	0R	3H	1W	
243.23	244.75	1.52	1.13	74	0.19	13	0R	3H	3W	
244.75	246.28	1.53	1.47	96	0.43	28	0R	3H	3W	
246.28	247.80	1.52	1.44	95	0.44	29	0R	3H	1W	
247.80	249.33	1.53	1.49	97	0.13	8	0R	3H	1W	
249.33	250.85	1.52	1.41	93	0.00	0	0R	3H	1W	
250.85	252.37	1.52	1.4	92	0.00	0	0R	2H	1W	
252.37	253.90	1.53	1.49	97	0.00	0	0R	2H	1W	
253.90	255.42	1.52	1.45	95	0.00	0	0R	2H	2W	
255.42	256.95	1.53	1.53	100	0.44	29	0R	2H	3W	
256.95	258.47	1.52	1.37	90	0.13	9	0R	2H	3W	
258.47	260.00	1.53	1.53	100	0.00	0	0R	2H	3W	
260.00	261.52	1.52	1.52	100	0.34	22	0R	2H	3W	
261.52	263.04	1.52	1.4	92	0.10	7	2R	2H	4W	
263.04	264.57	1.53	1.52	99	0.46	30	2R	3H	3W	
264.57	266.09	1.52	1.45	95	0.84	55	4R	4H	2W	
266.09	267.61	1.52	1.41	93	0.65	43	4R	4H	2W	
267.61	269.14	1.53	1.48	97	0.94	61	4R	4H	3W	
269.14	270.66	1.52	1.43	94	0.89	59	4R	4H	2W	
270.66	272.19	1.53	1.53	100	1.15	75	4R	4H	2W	
272.19	273.71	1.52	1.44	95	0.26	17	4R	4H	2W	
273.71	275.23	1.52	1.45	95	0.59	39	4R	4H	2W	
275.23	276.76	1.53	1.47	96	0.84	55	4R	4H	2W	
276.76	278.28	1.52	1.45	95	0.28	18	4R	4H	2W	
278.28	279.81	1.53	1.07	70	0.00	0	4R	4H	2W	
279.81	281.33	1.52	1.44	95	0.11	7	4R	4H	2W	
281.33	282.85	1.52	1.52	100	0.24	16	4R	4H	1W	

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From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	0.00	0.00	-QC-	0.00	0	M898698	☐	N16-017	Core	CS1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898611	☐	N16-015	Core	CS1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898618	☐	N16-015	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898621	☐	N16-015	Core	CS2	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898624	☐	N16-015	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898644	☐	N16-016	Core	CS3	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898651	☐	N16-016	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898663	☐	N16-016	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898670	☐	N16-016	Core	CS1	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898679	☐	N16-017	Core	CS2	☐	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898682	☐	N16-017	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898688	☐	N16-017	Core		☑	☐	☐
0.00	0.00	0.00	-QC-	0.00	0	M898596	☐	N16-014	Core	CS2	☐	☐	☐
14.63	17.68	3.05	SHL, OVB	1.45	48	M898590	☐	N16-014	Core		☐	☐	☐
17.68	20.73	3.05	SHL	2.65	87	M898591	☐	N16-014	Core		☐	☐	☐
20.73	23.77	3.04	SHL	1.49	49	M898592	☐	N16-014	Core		☐	☐	☐
23.77	26.82	3.05	SHL	1.22	40	M898593	☐	N16-014	Core		☐	☐	☐
26.82	29.87	3.05	SHL	2.32	76	M898594	☐	N16-014	Core		☐	☐	☐
29.87	32.92	3.05	SHL	1.98	65	M898595	☐	N16-014	Core		☐	☐	☐
32.92	35.97	3.05	SHL	2.15	70	M898597	☐	N16-014	Core		☐	☐	☐
35.97	39.01	3.04	SHL	2.46	81	M898598	☐	N16-014	Core		☐	☐	☐
39.01	42.06	3.05	SHL	2.78	91	M898599	☐	N16-014	Core		☐	☐	☐
42.06	45.11	3.05	SHL	2.81	92	M898600	☐	N16-014	Core		☐	☐	☐
45.11	48.16	3.05	SHL	2.74	90	M898601	☐	N16-014	Core		☐	☐	☐
48.16	51.21	3.05	SHL	2.44	80	M898602	☐	N16-014	Core		☐	☐	☐
51.21	54.25	3.04	SHL	2.95	97	M898603	☐	N16-014	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
54.25	57.30	3.05	SHL	2.90	95	M898604	☐	N16-014	Core		☐	☐	☐
57.30	60.35	3.05	SHL	3.01	99	M898605	☐	N16-015	Core		☐	☐	☐
60.35	63.40	3.05	SHL	2.98	98	M898606	☐	N16-015	Core		☐	☐	☐
60.35	63.40	3.05	SHL	2.98	98	M898607	☐	N16-015	Core		☐	☐	☑
63.40	66.45	3.05	SHL	3.02	99	M898608	☐	N16-015	Core		☐	☐	☐
66.45	69.49	3.04	SHL	1.72	57	M898609	☐	N16-015	Core		☐	☐	☐
69.49	72.54	3.05	SHL	2.85	93	M898610	☐	N16-015	Core		☐	☐	☐
72.54	75.59	3.05	SHL	2.89	95	M898612	☐	N16-015	Core		☐	☐	☐
75.59	78.64	3.05	SHL	2.85	93	M898613	☐	N16-015	Core		☐	☐	☐
78.64	81.69	3.05	SHL	2.93	96	M898614	☐	N16-015	Core		☐	☐	☐
81.69	84.73	3.04	SHL	2.92	96	M898615	☐	N16-015	Core		☐	☐	☐
84.73	87.78	3.05	SHL	2.35	77	M898616	☐	N16-015	Core		☐	☐	☐
87.78	90.83	3.05	SHL	2.92	96	M898617	☐	N16-015	Core		☐	☐	☐
90.83	93.88	3.05	SHL	2.99	98	M898619	☐	N16-015	Core		☐	☐	☐
93.88	96.93	3.05	SHL	2.77	91	M898620	☐	N16-015	Core		☐	☐	☐
96.93	99.97	3.04	SHL	2.84	93	M898622	☐	N16-015	Core		☐	☐	☐
99.97	103.02	3.05	SHL	2.76	90	M898623	☐	N16-015	Core		☐	☐	☐
103.02	106.07	3.05	SHL	2.74	90	M898625	☐	N16-015	Core		☐	☐	☐
106.07	109.12	3.05	SHL	2.69	88	M898626	☐	N16-015	Core		☐	☐	☐
109.12	112.17	3.05	SHL	3.01	99	M898627	☐	N16-015	Core		☐	☐	☐
112.17	115.21	3.04	SHL	2.67	88	M898628	☐	N16-015	Core		☐	☐	☐
115.21	118.26	3.05	SHL	3.05	100	M898629	☐	N16-015	Core		☐	☐	☐
118.26	121.31	3.05	SHL	3.05	100	M898630	☐	N16-015	Core		☐	☐	☐
121.31	124.36	3.05	SHL	3.02	99	M898631	☐	N16-015	Core		☐	☐	☐
124.36	127.41	3.05	SHL	2.85	93	M898632	☐	N16-015	Core		☐	☐	☐
127.41	130.45	3.04	SHL	2.94	97	M898633	☐	N16-015	Core		☐	☐	☐
130.45	133.50	3.05	SHL	2.85	93	M898634	☐	N16-015	Core		☐	☐	☐
130.45	133.50	3.05	SHL	2.85	93	M898635	☐	N16-015	Core		☐	☑	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
133.50	136.55	3.05	SHL	2.97	97	M898636	☐	N16-015	Core		☐	☐	☐
136.55	139.60	3.05	SHL	2.44	80	M898637	☐	N16-015	Core		☐	☐	☐
139.60	142.65	3.05	SHL	2.99	98	M898638	☐	N16-015	Core		☐	☐	☐
142.65	145.69	3.04	SHL	2.95	97	M898639	☐	N16-015	Core		☐	☐	☐
145.69	148.74	3.05	SHL	2.99	98	M898640	☐	N16-015	Core		☐	☐	☐
148.74	151.79	3.05	SHL	3.05	100	M898641	☐	N16-016	Core		☐	☐	☐
151.79	154.84	3.05	SHL	2.81	92	M898642	☐	N16-016	Core		☐	☐	☐
154.84	157.89	3.05	SHL	3.01	99	M898643	☐	N16-016	Core		☐	☐	☐
157.89	160.94	3.05	SHL	1.87	61	M898645	☐	N16-016	Core		☐	☐	☐
160.94	163.98	3.04	SHL	2.88	95	M898646	☐	N16-016	Core		☐	☐	☐
160.94	163.98	3.04	SHL	2.88	95	M898647	☐	N16-016	Core		☐	☐	☑
163.98	167.03	3.05	SHL	2.69	88	M898648	☐	N16-016	Core		☐	☐	☐
167.03	170.08	3.05	SHL	2.97	97	M898649	☐	N16-016	Core		☐	☐	☐
170.08	173.13	3.05	SHL	3.05	100	M898650	☐	N16-016	Core		☐	☐	☐
173.13	176.17	3.04	SHL	2.95	97	M898652	☐	N16-016	Core		☐	☐	☐
176.17	179.22	3.05	SHL	3.05	100	M898653	☐	N16-016	Core		☐	☐	☐
179.22	182.27	3.05	SHL	2.77	91	M898654	☐	N16-016	Core		☐	☐	☐
179.22	182.27	3.05	SHL	2.77	91	M898655	☐	N16-016	Core		☐	☑	☐
182.27	185.32	3.05	SHL	3.03	99	M898656	☐	N16-016	Core		☐	☐	☐
185.32	188.37	3.05	SHL	3.00	98	M898657	☐	N16-016	Core		☐	☐	☐
188.37	191.41	3.04	SHL	2.92	96	M898658	☐	N16-016	Core		☐	☐	☐
191.41	194.46	3.05	SHL	2.90	95	M898659	☐	N16-016	Core		☐	☐	☐
194.46	197.51	3.05	SHL	2.58	85	M898660	☐	N16-016	Core		☐	☐	☐
197.51	200.56	3.05	SHL	3.00	98	M898661	☐	N16-016	Core		☐	☐	☐
200.56	203.61	3.05	SHL	2.91	95	M898662	☐	N16-016	Core		☐	☐	☐
203.61	206.65	3.04	SHL	2.83	93	M898664	☐	N16-016	Core		☐	☐	☐
206.65	209.70	3.05	SHL	2.85	93	M898665	☐	N16-016	Core		☐	☐	☐
209.70	212.75	3.05	SHL	2.71	89	M898666	☐	N16-016	Core		☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
212.75	215.80	3.05	SHL	3.05	100	M898667	☐	N16-016	Core		☐	☐	☐
215.80	218.85	3.05	SHL	2.88	94	M898668	☐	N16-016	Core		☐	☐	☐
218.85	221.89	3.04	SHL	2.92	96	M898669	☐	N16-016	Core		☐	☐	☐
221.89	224.94	3.05	SHL	2.97	97	M898671	☐	N16-016	Core		☐	☐	☐
224.94	227.99	3.05	SHL	2.98	98	M898672	☐	N16-016	Core		☐	☐	☐
227.99	231.04	3.05	SHL	3.03	99	M898673	☐	N16-016	Core		☐	☐	☐
231.04	234.09	3.05	SHL	2.86	94	M898674	☐	N16-016	Core		☐	☐	☐
234.09	237.13	3.04	SHL	3.02	99	M898675	☐	N16-016	Core		☐	☐	☐
237.13	240.18	3.05	SHL	2.74	90	M898676	☐	N16-016	Core		☐	☐	☐
240.18	243.23	3.05	SHL	2.99	98	M898677	☐	N16-017	Core		☐	☐	☐
243.23	246.28	3.05	SHL	2.60	85	M898678	☐	N16-017	Core		☐	☐	☐
246.28	249.33	3.05	SHL	2.93	96	M898680	☐	N16-017	Core		☐	☐	☐
249.33	252.37	3.04	SHL	2.81	92	M898681	☐	N16-017	Core		☐	☐	☐
252.37	255.42	3.05	SHL, SHL	2.94	96	M898683	☐	N16-017	Core		☐	☐	☐
255.42	258.47	3.05	SHL	2.90	95	M898684	☐	N16-017	Core		☐	☐	☐
258.47	260.00	1.53	SHL	1.53	100	M898685	☐	N16-017	Core		☐	☐	☐
260.00	262.34	2.34	SHL	2.28	97	M898686	☐	N16-017	Core		☐	☐	☐
262.34	264.22	1.88	SHL, FLR	1.68	89	M898687	☐	N16-017	Core		☐	☐	☐
264.22	266.09	1.87	FLR, LST	1.75	94	M898689	☐	N16-017	Core		☐	☐	☐
266.09	269.14	3.05	LST	2.89	95	M898690	☐	N16-017	Core		☐	☐	☐
266.09	269.14	3.05	LST	2.89	95	M898691	☐	N16-017	Core		☐	☐	☑
269.14	272.19	3.05	LST	2.96	97	M898692	☐	N16-017	Core		☐	☐	☐
272.19	275.23	3.04	LST	2.99	98	M898693	☐	N16-017	Core		☐	☐	☐
275.23	276.76	1.53	LST	1.47	96	M898694	☐	N16-017	Core		☐	☐	☐
276.76	279.81	3.05	LST	2.52	83	M898695	☐	N16-017	Core		☐	☐	☐
276.76	279.81	3.05	LST	2.52	83	M898696	☐	N16-017	Core		☐	☑	☐
279.81	282.85	3.04	LST	2.96	97	M898697	☐	N16-017	Core		☐	☐	☐

APPENDIX V

DIAMOND DRILLING - CERTIFICATES OF ANALYSIS

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- SEP- 2016
Account: RCM

CERTIFICATE WH16135083

Project: Nadaleen

P.O. No.: N16- 001

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 16- AUG- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21d	Sample logging - ClientBarCode Dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

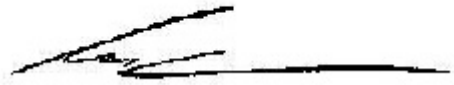
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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VANCOUVER BC V6B 1L8

Finalized Date: 6- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16135083

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S036601		1.52	2.48	4.08	159.5	3200	1.19	0.16	1.99	2.78	41.9	4.8	139	13.85	60.8	2.07
S036602		7.42	2.09	4.88	309	3830	1.58	0.22	0.32	2.19	52.7	4.7	146	14.45	70.1	2.40
S036603		3.36	1.90	5.47	207	3060	1.63	0.29	0.25	1.75	64.7	4.1	123	15.05	54.3	2.28
S036604		6.90	3.54	6.45	2230	2110	1.85	0.24	0.19	1.33	68.0	3.2	101	14.70	94.7	2.05
S036605		7.04	0.03	0.10	5.7	90	0.07	0.04	20.8	0.08	1.38	0.6	1	0.26	2.2	0.47
S036606		6.68	5.00	5.94	5170	810	2.84	0.28	0.21	4.95	63.2	11.7	88	12.95	196.5	4.21
S036607		4.66	4.12	6.48	7210	1510	2.60	0.28	0.17	4.55	68.2	11.0	101	15.25	209	2.48
S036608		4.08	4.31	5.71	5200	1870	1.51	0.19	0.26	4.89	63.3	2.0	96	15.80	206	1.45
S036609		3.60	5.44	5.76	>10000	1030	1.73	0.29	0.10	7.23	57.1	8.2	162	14.55	524	2.68
S036610		7.66	5.74	5.84	7120	350	2.04	0.25	0.08	3.46	57.1	13.0	111	11.85	119.5	2.86
S036611		3.64	5.38	5.75	7700	400	1.89	0.26	0.09	3.90	59.2	12.9	111	11.80	115.0	2.64
S036612		7.12	3.74	5.89	6250	620	2.13	0.29	0.14	4.47	63.5	17.5	101	17.15	109.0	2.67
S036613		8.38	2.36	6.22	5060	460	3.33	0.28	0.16	4.89	65.9	11.5	102	24.5	171.0	2.79
S036614		0.30	0.19	3.75	6150	200	1.02	0.15	12.05	0.13	41.2	13.1	43	10.65	39.8	2.83
S036615		8.76	0.82	5.92	1625	520	2.01	0.28	0.48	1.82	61.5	15.9	92	14.20	93.2	3.13
S036616		8.68	0.60	5.83	910	660	1.92	0.28	0.86	1.19	63.4	14.9	85	16.05	85.8	3.18
S036617		10.74	0.83	5.44	1525	600	1.83	0.26	0.78	0.98	59.9	11.0	83	13.25	76.1	3.13
S036618		8.84	1.68	5.83	5140	740	1.86	0.30	0.71	0.70	66.0	13.8	86	13.60	83.5	2.79
S036619		9.12	1.09	6.12	5310	780	1.83	0.30	0.75	0.93	70.8	14.3	90	14.05	88.0	2.73
S036620		6.98	0.01	0.07	13.4	40	0.07	0.03	20.9	0.07	1.58	0.7	<1	0.19	1.9	0.48
S036621		9.50	2.06	6.07	7990	570	1.76	0.27	1.07	0.47	68.8	12.7	87	12.70	82.3	3.02
S036622		9.54	2.08	6.13	5710	480	1.78	0.28	1.05	0.26	67.4	12.5	88	13.35	88.1	3.57
S036623		8.42	1.29	6.00	5760	820	1.83	0.30	1.00	0.62	69.1	11.8	90	18.90	88.5	2.49
S036624		8.16	1.23	6.09	4360	900	1.75	0.30	0.84	0.68	69.2	12.7	93	16.40	84.3	2.58
S036625		8.62	1.23	5.66	4270	710	1.70	0.27	1.25	0.28	63.6	14.1	85	12.30	79.8	3.26
S036626		8.36	0.70	5.63	3420	980	1.72	0.28	1.36	1.03	64.4	14.4	86	13.15	79.7	2.86
S036627		0.30	0.09	3.34	2350	190	0.91	0.15	17.25	0.12	36.8	11.6	38	9.70	43.5	2.78
S036628		8.90	0.82	5.95	6340	880	1.73	0.28	0.71	0.79	67.4	14.8	90	14.35	103.5	2.95
S036629		8.48	0.97	5.85	1655	1290	1.50	0.26	0.18	0.39	66.2	6.1	88	15.05	79.0	2.80
S036630		<0.02	0.99	5.80	1620	1270	1.49	0.25	0.18	0.36	67.5	6.2	88	14.65	78.8	2.74
S036631		3.28	1.81	4.24	2850	1040	1.00	0.18	0.15	0.51	51.6	2.3	69	16.60	30.2	3.67
S036632		4.70	1.44	5.82	3270	1540	1.41	0.25	0.26	0.31	67.6	7.5	86	12.50	116.5	1.71
S036633		5.92	1.42	4.98	>10000	2500	1.36	0.27	0.30	0.89	61.9	2.1	81	9.45	56.7	4.14
S036634		6.90	1.98	5.69	>10000	1750	1.71	0.24	0.78	1.33	62.5	7.5	89	8.65	108.5	5.53
S036635		5.18	0.16	0.15	191.0	140	0.22	0.02	37.8	0.29	2.57	2.2	5	0.51	5.8	0.21
S036636		3.72	0.07	0.10	176.0	120	0.20	0.02	37.8	0.24	1.55	2.2	3	0.10	4.5	0.21

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 6- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16135083

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
S036601		11.70	0.10	2.1	1.365	0.034	1.43	27.6	11.8	0.25	87	9.34	0.07	10.1	76.9	1120
S036602		14.70	0.13	2.5	1.505	0.046	1.87	33.0	14.3	0.29	54	10.90	0.06	13.6	68.5	1250
S036603		17.90	0.14	3.0	1.525	0.070	2.34	36.9	14.4	0.36	51	7.34	0.05	17.4	54.4	1100
S036604		19.65	0.13	3.2	12.30	0.067	2.73	35.1	14.2	0.38	33	3.34	0.03	18.3	29.3	1090
S036605		0.33	<0.05	<0.1	0.050	0.006	0.03	0.6	1.1	12.90	208	0.12	<0.01	0.5	1.8	190
S036606		16.65	0.17	2.7	4.73	0.062	2.42	30.6	9.8	0.36	60	5.99	0.03	16.9	103.5	1310
S036607		19.45	0.15	3.0	14.20	0.061	2.82	35.1	11.1	0.42	35	3.98	0.03	18.4	61.2	890
S036608		18.85	0.14	2.8	11.75	0.103	2.11	32.6	15.5	0.26	30	5.11	0.02	17.2	15.4	1710
S036609		20.4	0.20	2.4	15.50	0.158	1.83	29.2	16.8	0.20	27	11.80	0.02	15.5	71.1	2050
S036610		16.75	0.15	2.6	11.30	0.056	2.35	29.2	11.2	0.31	26	6.28	0.02	15.8	82.2	1100
S036611		16.80	0.15	2.6	10.80	0.053	2.33	30.1	11.2	0.31	28	6.29	0.02	15.9	82.3	1070
S036612		17.35	0.13	2.7	23.2	0.041	2.49	31.9	12.6	0.34	22	5.67	0.03	16.9	87.2	1150
S036613		18.10	0.14	2.8	17.75	0.065	2.48	33.2	13.4	0.36	31	7.85	0.03	17.5	87.7	1830
S036614		10.85	0.09	2.1	16.40	0.034	1.79	20.3	12.4	2.54	1120	1.92	0.02	6.3	28.0	440
S036615		17.50	0.12	2.7	6.67	0.061	2.58	29.7	10.7	0.53	90	6.57	0.03	17.7	97.0	930
S036616		17.60	0.14	2.7	5.12	0.057	2.59	31.4	11.2	0.67	176	4.67	0.03	17.3	75.2	910
S036617		16.65	0.13	2.6	5.73	0.052	2.46	30.4	10.0	0.61	154	5.28	0.03	16.6	61.6	880
S036618		18.35	0.12	2.8	13.25	0.046	2.65	33.8	10.3	0.63	111	5.57	0.03	18.1	71.0	860
S036619		19.05	0.15	3.0	9.45	0.054	2.72	36.2	11.6	0.64	127	5.31	0.03	19.7	78.4	1040
S036620		0.22	<0.05	<0.1	0.047	<0.005	0.03	0.7	1.0	13.10	200	0.07	<0.01	0.2	1.8	210
S036621		18.75	0.15	2.9	9.59	0.042	2.67	35.3	10.6	0.77	138	5.32	0.03	19.1	71.3	1080
S036622		18.65	0.12	2.8	10.95	0.044	2.74	34.3	10.5	0.74	141	5.15	0.03	18.9	72.2	990
S036623		18.40	0.12	2.8	9.14	0.055	2.63	35.3	11.7	0.72	111	4.95	0.03	19.0	65.0	960
S036624		18.70	0.12	3.1	6.27	0.049	2.69	35.9	11.3	0.64	150	5.15	0.03	19.2	67.7	1040
S036625		17.00	0.13	2.7	8.36	0.049	2.50	32.8	9.8	0.78	280	5.74	0.03	17.3	72.2	1000
S036626		17.00	0.14	2.8	12.40	0.051	2.47	32.8	10.1	0.80	195	5.22	0.03	17.9	68.7	1020
S036627		9.69	0.09	1.8	3.62	0.035	1.58	17.1	8.8	1.31	1070	1.65	0.02	6.1	24.5	340
S036628		18.25	0.13	2.9	8.00	0.050	2.58	34.3	10.6	0.59	134	5.08	0.03	17.9	68.4	930
S036629		17.95	0.12	2.9	40.3	0.040	2.52	35.8	10.2	0.37	45	13.95	0.03	17.7	42.8	840
S036630		18.00	0.13	2.9	37.9	0.038	2.52	35.2	10.6	0.37	44	13.80	0.03	17.8	43.1	830
S036631		13.15	0.11	2.1	14.05	0.022	1.81	28.1	9.3	0.23	78	31.9	0.02	13.0	31.9	660
S036632		18.65	0.12	2.9	21.3	0.036	2.54	35.3	9.8	0.36	17	5.52	0.03	18.8	38.5	870
S036633		14.75	0.12	2.6	12.40	0.052	2.14	31.9	8.9	0.29	49	5.31	0.03	16.5	21.9	1260
S036634		15.35	0.11	2.6	9.71	0.047	2.27	35.3	10.2	0.32	192	7.29	0.03	14.8	57.4	1020
S036635		0.42	0.06	0.1	1.190	0.006	0.05	3.3	0.6	0.14	307	3.23	<0.01	0.3	13.3	210
S036636		0.16	0.07	<0.1	0.538	0.005	0.02	2.5	0.3	0.13	345	0.91	<0.01	0.1	13.0	50

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16135083

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
S036601		54.9	72.3	0.013	0.16	6.65	9.7	7	1.9	266	0.63	0.10	6.49	0.247	1.85	6.0
S036602		33.8	91.8	0.015	0.27	8.09	11.5	8	1.9	258	0.86	0.14	8.35	0.305	3.85	6.7
S036603		30.3	117.5	0.021	0.27	7.35	11.9	5	2.5	256	1.04	0.15	10.55	0.358	3.44	5.7
S036604		21.5	122.5	0.039	0.25	4.55	13.2	3	2.3	324	1.15	0.12	11.20	0.386	9.16	7.1
S036605		1.5	1.6	<0.002	<0.01	0.13	0.2	<1	0.2	50.6	0.07	<0.05	0.22	<0.005	0.04	0.8
S036606		26.6	107.5	0.009	2.63	6.97	12.9	27	1.8	270	1.06	0.11	9.44	0.340	10.55	8.3
S036607		24.4	128.0	0.008	1.23	4.88	14.1	13	2.3	203	1.16	0.13	10.70	0.380	13.75	6.2
S036608		24.8	88.5	0.007	0.30	9.67	29.5	12	4.7	524	1.04	0.24	11.00	0.342	32.5	8.4
S036609		27.8	77.2	0.005	1.34	12.55	41.5	32	2.1	414	0.92	0.20	9.64	0.301	24.9	25.7
S036610		39.0	101.5	0.007	2.44	9.49	10.9	8	1.9	227	1.00	0.12	8.64	0.326	9.97	7.4
S036611		38.9	101.5	0.004	2.12	10.00	11.1	8	1.8	232	1.00	0.12	8.77	0.323	9.68	7.7
S036612		26.0	112.5	0.003	2.19	4.79	12.5	6	2.3	171.5	1.09	0.12	9.86	0.343	27.7	7.1
S036613		27.2	117.0	0.005	1.85	5.75	15.7	6	2.2	232	1.09	0.11	10.10	0.343	11.55	14.3
S036614		11.8	82.1	0.002	2.53	24.6	11.2	2	1.6	310	0.45	<0.05	6.54	0.263	43.2	7.2
S036615		18.7	118.0	0.005	2.72	4.84	12.0	6	2.0	203	1.09	0.13	9.55	0.358	9.02	4.9
S036616		15.6	120.0	0.004	2.66	4.91	12.3	5	1.9	205	1.11	0.10	9.86	0.359	6.35	4.3
S036617		18.2	112.5	0.005	2.66	4.44	11.1	5	1.9	150.0	1.03	0.10	9.37	0.340	6.30	4.2
S036618		15.6	120.5	0.004	2.24	3.74	11.2	6	2.5	143.5	1.12	0.11	10.60	0.364	18.50	4.5
S036619		18.3	126.0	0.005	2.08	4.10	11.4	5	2.4	217	1.24	0.15	11.05	0.383	15.65	4.7
S036620		1.4	1.4	<0.002	0.02	0.09	0.2	<1	<0.2	51.9	<0.05	<0.05	0.09	<0.005	0.12	0.5
S036621		24.5	120.5	0.005	2.30	4.75	12.0	7	2.5	222	1.20	0.11	10.85	0.375	19.20	4.7
S036622		20.4	120.0	0.004	3.01	4.77	13.0	6	2.3	173.0	1.18	0.09	10.65	0.377	15.00	4.5
S036623		15.8	120.5	0.004	1.84	4.49	12.4	5	2.1	185.0	1.20	0.12	11.00	0.375	11.25	4.4
S036624		15.9	121.0	0.005	1.74	3.97	12.3	6	2.4	185.0	1.26	0.11	11.10	0.383	9.52	4.6
S036625		15.9	110.0	0.004	2.08	4.64	12.2	6	2.0	188.0	1.09	0.10	9.94	0.348	7.97	4.1
S036626		14.6	111.0	0.005	1.96	3.42	11.7	6	2.0	194.0	1.14	0.11	10.25	0.353	8.85	4.2
S036627		8.7	72.5	0.002	2.36	9.45	9.3	1	1.4	664	0.44	0.06	5.71	0.244	9.87	2.4
S036628		16.8	118.0	0.005	1.90	5.00	12.5	6	2.2	216	1.17	0.11	10.50	0.366	14.30	4.7
S036629		16.2	112.0	0.005	0.57	4.76	11.4	7	2.2	265	1.09	0.11	10.60	0.366	14.30	5.4
S036630		16.3	112.0	0.003	0.58	4.85	11.4	6	2.2	265	1.12	0.13	10.75	0.361	14.25	5.4
S036631		18.8	83.2	<0.002	0.19	4.13	8.2	3	1.7	254	0.83	0.05	8.08	0.264	10.15	4.0
S036632		22.1	112.0	0.005	0.92	3.70	10.1	5	2.2	326	1.17	0.08	10.70	0.379	15.10	5.7
S036633		18.9	97.3	0.005	0.18	5.96	10.2	4	1.8	571	1.06	0.10	9.40	0.321	26.3	6.2
S036634		18.4	90.7	<0.002	0.04	5.34	10.0	2	1.9	405	0.91	0.08	8.75	0.359	6.85	6.6
S036635		3.1	2.0	0.012	0.02	0.44	2.1	1	<0.2	206	<0.05	<0.05	0.20	0.007	1.22	4.2
S036636		2.1	0.7	0.002	0.01	0.27	1.6	1	<0.2	201	<0.05	<0.05	0.08	<0.005	0.21	3.1

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16135083

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	As- OG62	Au- AA26
	Analyte	V	W	Y	Zn	Zr	As	Au
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	1	0.1	0.1	2	0.5	0.001	0.01
S036601		292	6.2	28.9	360	81.1		0.02
S036602		406	3.9	28.9	267	100.5		0.04
S036603		382	5.3	29.7	197	118.0		0.03
S036604		389	12.1	24.0	126	120.5		0.90
S036605		3	0.1	0.9	19	0.8		<0.01
S036606		383	10.5	31.5	292	109.5		0.03
S036607		390	10.9	26.6	188	116.5		3.79
S036608		343	20.4	27.1	72	108.0		6.54
S036609		371	15.8	27.9	678	96.7	1.175	4.35
S036610		398	10.0	25.1	253	103.0		0.23
S036611		393	10.1	25.8	245	103.0		0.27
S036612		365	11.4	29.5	155	108.5		8.91
S036613		438	11.0	40.3	323	108.0		1.28
S036614		83	8.2	18.9	47	72.7		2.57
S036615		362	9.9	28.8	299	110.0		0.19
S036616		355	9.6	28.4	310	107.0		0.07
S036617		354	9.0	26.5	268	102.0		0.13
S036618		365	10.1	27.7	177	114.5		4.10
S036619		382	11.2	28.8	254	118.0		2.02
S036620		3	0.1	0.9	18	1.0		<0.01
S036621		381	12.3	26.2	119	112.0		4.92
S036622		376	13.2	27.3	66	114.0		2.36
S036623		363	12.9	26.9	148	113.0		1.41
S036624		386	13.3	27.6	193	116.0		1.97
S036625		362	11.1	28.0	121	105.0		1.57
S036626		354	10.7	28.0	226	109.0		0.61
S036627		69	5.4	16.2	44	61.8		0.49
S036628		367	10.3	28.2	161	115.5		2.23
S036629		361	10.5	21.7	72	114.5		3.70
S036630		357	10.7	22.6	68	118.0		3.55
S036631		275	10.4	18.0	36	86.3		9.57
S036632		366	10.8	21.4	36	115.5		3.43
S036633		352	10.8	22.6	63	102.0	1.180	4.68
S036634		358	18.9	34.0	231	95.3	1.420	2.34
S036635		28	0.6	10.9	81	2.7		0.20
S036636		14	0.3	8.2	111	1.2		0.04

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Nadaleen

Finalized Date: 6- SEP- 2016
Account: RCM

CERTIFICATE OF ANALYSIS WH16135083

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

As- OG62	Au- AA26	CRU- 31	CRU- QC
Hg- MS42	LOG- 21	LOG- 21d	LOG- 23
ME- MS61	ME- OG62	PUL- 31	PUL- 31d
PUL- QC	SPL- 21	SPL- 21d	WEI- 21

ALS Canada Ltd.

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2016
Account: RCM

CERTIFICATE WH16139949

Project: Nadaleen

P.O. No.: N16- 002

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 22- AUG- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
LOG- 23	Pulp Login - Rcvd with Barcode
PUL- 31	Pulverize split to 85% <75 um
LOG- 21d	Sample logging - ClientBarCode Dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

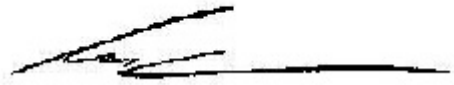
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 11- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16139949

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S036637		6.34	0.08	0.08	155.5	230	0.17	0.01	37.2	0.34	1.71	3.6	2	0.12	2.2	0.24
S036638		3.24	1.41	4.13	1845	3510	1.06	0.19	12.05	1.15	50.5	7.9	57	7.62	54.0	2.09
S036639		9.48	0.47	1.05	868	580	0.34	0.05	31.4	0.41	14.10	3.1	17	1.90	12.4	0.80
S036640		10.76	0.36	0.17	273	430	0.36	0.02	34.9	2.14	3.88	2.9	5	1.14	3.3	0.36
S036641		7.24	0.01	0.05	2.5	20	<0.05	0.03	20.6	0.05	1.05	0.7	1	0.14	2.1	0.46
S036642		7.94	0.54	0.85	170.5	1460	0.58	0.03	36.3	5.16	9.36	2.2	9	1.89	2.7	0.27
S036643		10.44	0.14	0.22	130.5	780	0.30	0.01	35.8	1.91	2.51	2.4	3	0.72	2.0	0.24
S036644		9.44	0.23	0.62	155.5	1020	0.38	0.02	36.6	3.29	5.30	4.8	6	1.58	5.5	0.48
S036645		0.30	0.18	4.01	6540	210	0.95	0.13	12.80	0.16	41.3	13.0	46	10.85	39.3	2.94
S036646		5.98	0.07	0.13	60.8	90	0.18	0.01	33.2	1.02	1.64	1.2	2	0.28	2.2	0.15
S036647		11.60	0.16	0.31	74.1	250	0.24	0.02	30.4	1.00	3.80	0.8	4	0.44	2.3	0.16
S036648		10.62	0.35	0.21	80.7	150	0.14	0.02	27.9	3.26	2.45	1.6	3	0.29	3.1	0.19
S036649		11.36	0.22	0.35	93.7	190	0.24	0.02	29.1	2.78	3.35	1.5	4	0.42	2.4	0.25
S036650		11.78	0.14	0.23	51.8	210	0.22	0.02	34.6	0.72	2.95	0.6	3	0.37	2.2	0.13
S036651		9.86	0.80	0.26	54.7	150	0.25	0.01	35.3	6.27	3.88	0.6	4	0.49	2.7	0.14
S036652		<0.02	0.75	0.28	57.3	150	0.29	0.02	34.6	5.97	4.05	0.6	4	0.52	2.7	0.15
S036653		11.52	1.61	0.53	38.1	230	0.42	0.02	31.9	23.0	5.54	1.0	5	0.86	3.2	0.25
S036654		12.10	0.48	0.40	65.6	180	0.35	0.03	35.3	3.87	4.32	0.9	5	1.01	2.5	0.17
S036655		10.94	0.06	0.24	17.6	110	0.23	0.02	34.9	0.47	3.86	0.4	4	0.65	1.5	0.10
S036656		12.44	0.03	0.29	21.5	110	0.28	0.02	35.9	0.06	3.16	0.6	4	1.16	1.9	0.11
S036657		11.22	0.01	0.12	15.2	90	0.16	0.01	36.5	0.05	2.51	0.3	2	0.15	1.3	0.05
S036658		5.48	0.01	0.11	15.8	80	0.14	0.01	36.2	0.06	2.51	0.3	2	0.15	1.3	0.04
S036659		11.02	0.06	0.18	36.7	100	0.24	0.01	36.8	0.92	2.91	0.5	3	0.58	1.9	0.07
S036660		9.88	0.01	0.09	32.0	90	0.21	0.01	36.6	0.13	1.83	0.3	2	0.19	2.1	0.06
S036661		10.16	0.01	0.19	62.2	100	0.33	0.02	36.4	0.11	2.19	0.4	3	0.33	1.7	0.11
S036662		5.12	0.02	0.21	45.4	160	0.21	0.01	36.6	0.10	2.31	0.5	3	0.30	1.9	0.10
S036663		7.34	<0.01	0.04	<0.2	20	<0.05	0.02	20.9	0.05	0.97	0.6	1	0.10	1.8	0.44
S036664		11.48	0.05	0.59	96.7	320	0.37	0.02	36.0	0.58	6.20	0.6	7	1.47	3.0	0.22
S036665		5.18	0.01	0.11	31.9	90	0.18	0.01	37.0	0.14	1.63	0.3	2	0.21	1.6	0.06
S036666		7.52	0.01	0.17	16.7	120	0.18	0.01	36.4	0.04	2.18	0.5	3	0.27	1.7	0.08
S036667		4.20	2.37	5.88	239	2350	1.49	0.23	0.26	0.59	67.4	1.3	107	16.70	36.5	1.72
S036668		5.44	1.07	6.31	259	1710	1.59	0.22	0.13	0.09	70.9	1.6	96	16.85	21.7	1.30
S036669		0.30	0.09	3.56	2530	200	0.95	0.13	17.80	0.09	38.5	10.7	41	9.79	41.1	2.88
S036670		7.94	2.19	6.20	2160	1390	1.70	0.22	0.19	0.20	67.0	2.3	104	16.05	226	1.86
S036671		7.00	0.01	0.05	1.4	30	<0.05	0.02	19.85	0.05	1.01	0.6	1	0.13	2.5	0.44
S036672		6.76	2.57	6.56	1570	290	1.98	0.28	0.16	1.04	68.5	4.2	104	15.20	215	2.72

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16139949

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
S036637		0.20	0.06	<0.1	0.772	0.010	0.02	2.7	0.4	0.12	522	0.34	<0.01	0.1	20.2	200
S036638		12.10	0.13	2.7	16.70	0.032	1.65	31.4	6.4	0.26	303	21.9	0.01	11.7	78.5	950
S036639		3.07	0.09	0.6	2.46	0.010	0.35	10.3	2.9	0.12	762	6.00	<0.01	3.1	23.0	350
S036640		0.69	0.07	0.1	4.32	0.011	0.04	3.8	1.8	0.12	485	2.29	<0.01	0.3	17.0	190
S036641		0.21	0.10	<0.1	0.020	<0.005	0.02	0.5	1.6	12.85	208	0.29	0.01	0.2	2.2	180
S036642		2.17	0.09	0.4	3.05	0.009	0.28	5.6	3.5	0.20	468	0.42	<0.01	1.3	14.8	360
S036643		0.64	0.09	0.1	0.989	<0.005	0.08	1.5	1.3	1.68	221	0.33	<0.01	0.3	11.7	70
S036644		1.35	0.07	0.2	1.170	0.005	0.18	2.9	3.0	0.43	239	0.60	<0.01	0.7	34.3	200
S036645		10.60	0.14	2.1	15.60	0.034	1.85	19.3	11.4	2.67	1210	1.93	0.02	6.0	28.8	460
S036646		0.35	0.13	<0.1	0.278	<0.005	0.04	0.9	0.7	3.25	116	0.20	<0.01	0.2	8.3	50
S036647		0.81	0.19	0.1	0.496	<0.005	0.11	1.8	1.5	5.90	73	0.30	0.01	0.5	4.2	150
S036648		0.61	0.22	0.1	0.619	<0.005	0.08	1.2	1.0	8.27	116	0.36	0.01	0.3	8.9	100
S036649		0.97	0.18	0.1	<0.005	0.006	0.14	1.6	1.6	6.45	139	0.34	0.01	0.5	6.8	120
S036650		0.62	0.20	0.1	0.249	<0.005	0.10	1.6	1.0	1.38	70	0.36	<0.01	0.4	3.0	80
S036651		0.69	0.15	0.1	0.708	<0.005	0.12	2.8	1.2	1.27	88	0.16	0.01	0.4	2.8	70
S036652		0.72	0.12	0.1	0.695	0.005	0.12	2.9	1.3	1.33	90	0.17	0.01	0.4	3.0	70
S036653		1.35	0.10	0.2	2.78	0.005	0.24	2.8	2.7	3.41	99	0.23	0.01	0.8	4.1	180
S036654		0.97	0.14	0.2	0.718	<0.005	0.17	2.5	1.6	0.99	55	0.35	0.01	0.6	3.3	100
S036655		0.57	0.13	0.1	0.096	<0.005	0.11	2.6	1.0	0.85	35	0.08	<0.01	0.4	1.0	70
S036656		0.71	0.10	0.1	0.084	<0.005	0.12	2.0	1.1	0.55	47	0.16	<0.01	0.5	1.8	50
S036657		0.31	0.13	0.1	0.061	<0.005	0.05	2.6	0.5	0.79	41	0.07	<0.01	0.2	0.5	50
S036658		0.28	0.12	<0.1	0.051	<0.005	0.04	2.6	0.5	0.63	36	0.07	<0.01	0.2	0.4	40
S036659		0.45	0.13	0.1	0.086	<0.005	0.07	2.5	0.7	0.14	116	0.20	<0.01	0.3	2.5	50
S036660		0.28	0.12	<0.1	0.054	<0.005	0.03	1.5	0.5	0.10	121	0.21	<0.01	0.2	1.5	40
S036661		0.49	0.12	0.1	0.077	<0.005	0.07	1.4	0.8	0.14	153	0.41	<0.01	0.3	2.9	80
S036662		0.51	0.09	0.1	0.136	<0.005	0.08	1.4	0.8	0.16	75	0.31	<0.01	0.3	2.2	110
S036663		0.17	0.15	<0.1	<0.005	0.005	0.02	<0.5	0.9	12.70	194	0.09	<0.01	0.1	1.3	170
S036664		1.47	0.13	0.2	0.103	<0.005	0.23	3.5	2.5	0.19	87	0.46	0.01	1.0	6.0	190
S036665		0.30	0.13	<0.1	0.087	<0.005	0.04	1.1	0.6	0.14	51	0.16	<0.01	0.2	1.4	40
S036666		0.42	0.15	0.1	0.091	<0.005	0.07	1.3	0.7	0.47	47	0.35	<0.01	0.3	1.3	80
S036667		17.30	0.19	2.9	2.55	0.045	2.58	35.4	11.2	0.38	21	5.65	0.03	16.5	25.5	800
S036668		17.90	0.22	3.2	2.90	0.051	2.80	36.4	10.1	0.44	18	3.68	0.03	17.6	21.8	610
S036669		9.17	0.17	1.7	3.70	0.039	1.64	16.7	9.1	1.36	1140	1.65	0.02	5.8	24.1	370
S036670		20.7	0.25	2.8	3.21	0.100	2.72	34.5	9.1	0.42	18	5.16	0.03	17.4	23.7	1020
S036671		0.21	0.14	<0.1	0.021	<0.005	0.02	0.5	0.8	12.50	194	0.07	<0.01	0.1	1.4	160
S036672		18.35	0.24	2.9	2.26	0.077	2.65	34.2	10.5	0.40	20	3.90	0.03	17.9	41.9	1390

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1016- 510 W HASTINGS ST
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Finalized Date: 11- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16139949

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
S036637		2.5	0.7	0.002	0.01	0.14	2.2	1	<0.2	204	<0.05	<0.05	0.11	<0.005	0.15	5.0
S036638		17.2	74.9	0.004	0.06	3.74	9.0	3	1.5	420	0.73	0.09	7.01	0.243	2.47	8.4
S036639		7.3	15.4	<0.002	0.01	1.27	5.9	1	0.4	241	0.18	<0.05	1.81	0.063	1.03	5.3
S036640		38.6	2.3	0.002	0.02	1.17	5.9	9	0.2	167.5	<0.05	0.25	0.30	0.008	1.98	5.5
S036641		1.9	1.1	<0.002	<0.01	0.12	0.1	1	<0.2	50.1	0.16	<0.05	0.05	<0.005	<0.02	0.5
S036642		54.0	11.6	0.003	0.04	0.50	7.0	1	0.3	225	0.10	<0.05	1.33	0.041	1.19	5.5
S036643		11.6	3.4	<0.002	0.03	0.42	1.4	1	<0.2	113.0	<0.05	<0.05	0.30	0.009	0.47	2.1
S036644		69.6	7.6	<0.002	0.03	1.00	2.4	1	0.2	147.0	0.05	<0.05	0.83	0.020	0.58	2.4
S036645		11.9	87.8	0.003	2.70	24.2	11.3	2	1.7	328	0.45	<0.05	6.07	0.270	47.4	6.5
S036646		13.0	1.9	<0.002	0.01	0.82	1.6	1	<0.2	111.0	<0.05	<0.05	0.19	0.006	0.19	0.9
S036647		39.7	4.4	<0.002	<0.01	1.48	1.5	1	<0.2	188.0	<0.05	<0.05	0.48	0.015	0.14	0.6
S036648		103.0	3.3	<0.002	<0.01	2.96	1.9	1	<0.2	131.0	<0.05	<0.05	0.31	0.009	0.20	1.3
S036649		81.2	5.1	<0.002	<0.01	2.31	3.4	1	0.2	139.5	<0.05	<0.05	0.48	0.016	0.28	1.2
S036650		16.0	3.7	<0.002	0.03	0.93	1.2	1	<0.2	207	<0.05	<0.05	0.37	0.012	0.20	0.7
S036651		41.0	4.5	<0.002	0.05	2.24	0.8	1	<0.2	200	<0.05	<0.05	0.41	0.013	0.46	0.7
S036652		43.1	4.8	<0.002	0.05	2.08	0.8	1	<0.2	201	<0.05	<0.05	0.49	0.014	0.38	0.6
S036653		30.2	9.6	0.002	0.22	1.72	1.4	1	0.2	198.0	0.05	<0.05	0.75	0.026	0.75	0.8
S036654		55.1	6.9	<0.002	0.13	2.05	0.9	1	0.2	167.5	<0.05	<0.05	0.61	0.020	0.85	0.6
S036655		15.1	4.3	<0.002	0.04	0.77	0.6	1	<0.2	170.5	<0.05	<0.05	0.43	0.013	0.28	0.4
S036656		1.6	5.3	0.002	0.07	0.18	1.8	1	<0.2	123.5	<0.05	<0.05	0.43	0.015	0.19	0.7
S036657		1.3	1.8	0.002	0.02	0.19	1.3	1	<0.2	122.5	<0.05	<0.05	0.20	0.006	0.08	0.4
S036658		1.0	1.7	0.002	0.01	0.16	1.2	1	<0.2	120.0	<0.05	<0.05	0.19	0.005	0.08	0.3
S036659		3.1	3.1	0.002	<0.01	0.72	3.5	1	<0.2	116.0	<0.05	<0.05	0.31	0.009	0.13	1.4
S036660		1.6	1.3	<0.002	<0.01	0.54	4.1	1	<0.2	380	<0.05	<0.05	0.18	0.005	0.03	1.6
S036661		1.1	2.9	<0.002	0.01	0.44	3.2	1	<0.2	104.0	<0.05	<0.05	0.29	0.010	0.09	2.0
S036662		1.2	3.2	0.003	0.02	0.26	1.6	1	<0.2	129.5	<0.05	<0.05	0.30	0.010	0.14	1.0
S036663		1.2	0.8	<0.002	<0.01	0.08	0.1	1	<0.2	47.5	<0.05	<0.05	0.12	<0.005	<0.02	0.6
S036664		5.7	9.7	<0.002	0.01	0.65	2.6	1	0.3	182.0	0.06	<0.05	0.97	0.030	0.22	1.9
S036665		1.8	1.8	<0.002	0.01	0.20	1.6	1	<0.2	115.0	<0.05	<0.05	0.19	0.006	0.12	1.0
S036666		0.8	2.7	0.002	0.05	0.17	2.2	1	<0.2	113.0	<0.05	<0.05	0.26	0.009	0.09	0.7
S036667		26.4	124.5	0.013	0.32	6.15	9.0	4	2.0	274	1.01	0.17	9.54	0.356	6.00	4.7
S036668		22.3	133.5	0.016	0.19	6.00	9.8	2	2.0	211	1.13	0.09	10.45	0.376	4.18	4.1
S036669		8.7	76.2	<0.002	2.49	9.25	9.0	2	1.4	701	0.43	<0.05	5.29	0.254	10.90	2.2
S036670		31.1	127.0	0.013	0.72	10.55	14.5	22	1.9	243	1.09	0.13	10.10	0.369	6.44	6.2
S036671		1.2	1.0	<0.002	0.01	0.11	0.1	1	<0.2	44.0	<0.05	<0.05	0.08	<0.005	0.02	0.9
S036672		32.2	126.5	0.008	1.91	8.54	13.3	15	1.9	263	1.12	0.14	10.05	0.368	6.08	9.4

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Finalized Date: 11- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16139949

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Au- AA26
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	0.01
S036637		19	0.3	12.9	116	1.6	0.04
S036638		262	7.0	26.3	389	84.9	1.21
S036639		89	2.6	19.4	123	22.3	0.64
S036640		35	1.0	17.8	117	4.5	1.03
S036641		1	0.1	0.7	18	0.5	<0.01
S036642		35	1.8	18.1	192	13.5	0.27
S036643		12	0.4	5.6	149	3.2	0.02
S036644		24	0.7	11.0	353	6.7	0.01
S036645		86	8.4	19.5	51	69.4	2.59
S036646		9	0.2	5.0	89	2.1	0.01
S036647		9	0.6	4.2	111	4.6	0.04
S036648		13	0.3	6.0	249	3.3	0.01
S036649		15	0.5	6.3	222	5.0	0.01
S036650		8	0.4	4.4	83	3.5	<0.01
S036651		6	0.5	7.1	692	4.1	<0.01
S036652		7	0.5	7.2	656	3.9	<0.01
S036653		10	0.8	4.9	2990	6.9	0.08
S036654		5	0.8	5.1	597	5.1	0.01
S036655		4	0.4	6.0	64	3.2	1.20
S036656		7	0.4	7.4	10	4.1	0.03
S036657		5	0.2	10.0	14	2.0	<0.01
S036658		4	0.1	10.0	13	1.8	0.07
S036659		14	0.2	11.1	54	3.2	0.01
S036660		15	0.1	10.9	23	2.3	<0.01
S036661		14	0.2	6.7	28	3.5	0.01
S036662		10	0.3	6.7	16	3.3	<0.01
S036663		1	0.1	0.7	15	<0.5	<0.01
S036664		16	0.6	6.8	52	8.0	<0.01
S036665		6	0.1	4.7	15	1.8	0.04
S036666		8	0.2	5.8	8	2.8	0.01
S036667		393	9.0	20.8	80	105.0	0.02
S036668		359	8.5	18.8	56	110.5	0.01
S036669		73	5.3	14.2	48	57.0	0.53
S036670		387	7.7	20.0	31	103.5	0.38
S036671		3	0.1	0.7	16	0.5	<0.01
S036672		412	6.9	25.4	105	105.5	0.01

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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Project: Nadaleen

Finalized Date: 11- SEP- 2016
Account: RCM

CERTIFICATE OF ANALYSIS WH16139949

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA26	CRU- 31	Hg- MS42	LOG- 21
LOG- 21d	LOG- 23	ME- MS61	PUL- 31
PUL- 31d	SPL- 21	SPL- 21d	WEI- 21

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Finalized Date: 26- OCT- 2016
Account: RCM

CERTIFICATE WH16179705

Project: Nadaleen

P.O. No.: N16- 003

This report is for 2 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20- OCT- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

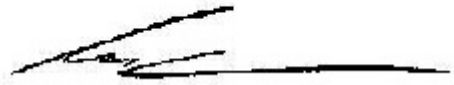
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA13	Au by cyanide leach and AAS	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 26- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16179705

Sample Description	Method	Au- AA13
	Analyte	Au
	Units	ppm
	LOR	0.03
S036680		<0.03
S036682		<0.03

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16179705

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA13 FND- 02

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- OCT- 2016
Account: RCM

CERTIFICATE WH16179707

Project: Nadaleen

P.O. No.: N16- 004

This report is for 11 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20- OCT- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

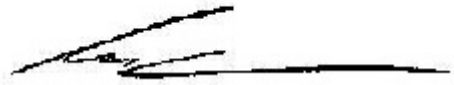
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA13	Au by cyanide leach and AAS	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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VANCOUVER BC V6B 1L8

Finalized Date: 26- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16179707

Sample Description	Method Analyte Units LOR	Au- AA13 Au ppm 0.03
S036732		0.72
S036733		0.44
S036735		0.23
S036736		0.57
S036737		1.32
S036738		1.43
S036740		0.98
S036741		0.27
S036742		0.56
S036743		2.27
S036744		1.14

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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Finalized Date: 26- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16179707

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA13 FND- 02

ALS Canada Ltd.

2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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VANCOUVER BC V6B 1L8

Finalized Date: 26- OCT- 2016
Account: RCM

CERTIFICATE WH16179708

Project: Nadaleen

P.O. No.: N16- 005

This report is for 5 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20- OCT- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

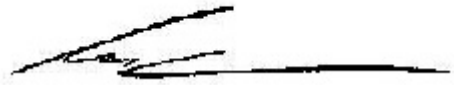
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA13	Au by cyanide leach and AAS	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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Finalized Date: 26- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16179708

Sample Description	Method Analyte Units LOR	Au- AA13 Au ppm 0.03
S036745		0.17
S036746		0.30
S036775		0.06
S036776		<0.03
S036780		0.04

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 26- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16179708

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA13 FND- 02

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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VANCOUVER BC V6B 1L8

Finalized Date: 16- SEP- 2016
Account: RCM

CERTIFICATE VA16145520

Project: NADALEEN

P.O. No.: N16- 006

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 29- AUG- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21d	Sample logging - ClientBarCode Dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

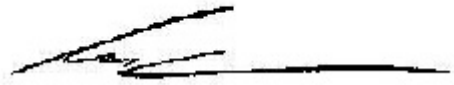
ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS
Hg- CV42	High Grade Hg - cold vapor/AA	FIMS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 16- SEP- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS VA16145520

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S036781		8.46	4.10	4.27	2200	1380	1.72	0.24	0.22	4.31	56.5	1.0	145	11.70	101.5	7.86
S036782		6.02	1.74	5.64	4120	860	8.47	0.12	1.12	22.2	30.4	52.6	322	6.37	680	21.6
S036783		6.12	1.93	3.91	644	1300	2.67	0.14	16.40	27.9	32.4	26.7	65	6.13	124.5	4.63
S036784		7.84	2.18	2.16	899	1580	1.06	0.11	23.4	13.40	23.8	8.4	63	4.70	45.4	2.59
S036785		4.84	1.34	1.35	625	4550	1.15	0.09	27.5	62.0	14.15	33.9	42	2.45	83.2	5.31
S036786		5.66	1.37	1.27	603	730	0.75	0.07	28.8	18.95	13.95	10.0	44	2.48	22.6	2.07
S036787		10.50	0.51	0.50	215	270	0.39	0.05	36.2	3.87	4.16	2.1	11	1.09	7.4	0.59
S036788		10.88	0.30	0.54	193.5	290	0.40	0.04	37.0	2.86	3.75	2.9	10	1.70	4.6	0.56
S036789		9.44	0.42	0.18	325	640	0.23	0.02	33.2	4.04	2.52	2.8	4	1.07	4.7	0.54
S036790		0.28	0.23	3.88	6240	210	1.05	0.15	12.30	0.15	41.1	11.7	44	10.50	35.2	2.90
S036791		11.78	0.22	0.04	73.9	180	0.20	0.02	37.9	1.44	2.02	0.8	2	0.09	2.3	0.12
S036792		11.40	3.18	0.07	61.7	120	0.17	0.02	37.6	0.55	3.14	0.9	3	0.10	16.4	0.08
S036793		11.88	0.08	0.06	66.8	150	0.13	0.02	35.5	0.46	2.32	0.9	3	0.09	1.5	0.06
S036794		11.84	0.35	0.04	24.3	90	0.10	0.02	37.2	0.32	2.01	0.6	2	0.05	4.6	0.05
S036795		5.50	0.14	0.03	19.9	90	0.10	0.02	35.5	0.22	1.70	0.5	2	<0.05	2.9	0.05
S036796		11.42	0.05	0.02	18.8	90	0.12	0.02	36.7	0.79	1.48	0.5	1	<0.05	1.1	0.05
S036797		12.04	0.07	0.02	60.7	90	0.07	0.02	36.6	0.38	1.63	0.4	2	<0.05	0.9	0.04
S036798		6.94	0.01	0.05	<0.2	20	<0.05	0.03	20.8	0.07	1.06	0.7	1	0.11	2.3	0.46
S036799		10.78	0.11	0.03	31.7	70	0.09	0.01	33.0	0.68	1.51	0.7	2	<0.05	1.3	0.06
S036800		12.38	0.04	0.03	17.9	100	0.11	0.01	33.5	0.24	1.36	0.5	2	<0.05	1.1	0.03
S036801		11.10	0.01	0.01	9.5	100	0.10	0.01	35.7	0.11	0.89	0.4	1	<0.05	0.8	0.02
S036802		0.30	0.10	3.65	2640	210	0.94	0.15	18.70	0.10	37.6	10.7	42	9.71	41.4	3.05
S036803		12.08	0.03	0.04	34.2	110	0.06	0.01	35.1	0.14	1.88	0.5	3	0.05	1.4	0.07
S036804		11.70	0.10	0.02	53.0	110	0.07	0.01	34.6	0.35	1.57	0.6	1	<0.05	1.4	0.05
S036805		5.42	0.06	0.02	48.9	110	0.07	0.02	36.1	0.69	1.46	1.5	2	<0.05	1.3	0.11
S036806		10.90	0.10	0.04	60.8	120	0.13	0.01	35.4	0.85	2.07	0.6	2	0.06	1.6	0.07
S036807		<0.02	0.12	0.04	64.3	120	0.12	0.01	36.2	0.87	2.20	0.6	2	0.06	1.8	0.07
S036808		11.06	0.06	0.06	56.4	170	0.16	0.01	36.9	0.92	2.73	1.1	3	0.07	3.2	0.12
S036809		10.96	0.03	0.03	54.6	110	0.12	0.01	37.8	0.81	1.76	0.7	2	0.06	1.6	0.07
S036810		10.88	0.03	0.03	36.4	110	0.09	0.01	37.0	0.28	1.96	0.5	2	<0.05	1.3	0.03
S036811		7.02	0.01	0.04	0.5	200	0.06	0.02	21.3	0.06	1.12	0.6	<1	0.13	2.1	0.45
S036812		10.60	0.02	0.03	37.5	90	0.08	0.01	37.2	0.46	1.43	0.7	2	<0.05	1.3	0.07
S036813		11.18	0.01	0.02	12.4	120	0.10	0.01	35.4	0.15	1.35	0.4	2	<0.05	1.0	0.03
S036814		11.08	0.01	0.03	34.8	70	0.09	0.01	34.8	0.09	1.43	0.5	2	<0.05	1.1	0.04
S036815		10.84	0.02	0.05	21.9	100	0.13	0.01	36.5	0.20	1.58	0.6	2	0.10	1.1	0.04
S036816		10.90	0.01	0.05	26.2	90	0.17	0.01	38.1	0.58	0.82	0.6	1	0.08	2.9	0.05

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 16- SEP- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS VA16145520

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
S036781		17.10	0.21	2.4	2.14	0.091	1.93	33.9	10.8	0.22	23	26.8	0.03	15.3	38.2	2520
S036782		21.9	0.22	0.9	1.285	0.545	1.10	17.7	13.6	0.11	381	26.2	0.01	4.9	805	10000
S036783		8.26	0.15	1.5	1.240	0.033	1.03	19.7	8.8	0.18	281	17.40	0.02	8.7	558	830
S036784		5.81	0.12	1.1	1.380	0.022	0.71	15.4	6.1	0.13	231	24.7	0.01	5.6	197.5	1320
S036785		3.43	0.14	0.6	1.105	0.010	0.42	10.0	3.1	0.11	568	31.0	<0.01	3.2	505	1080
S036786		3.53	0.10	0.6	1.595	0.013	0.46	9.5	3.0	0.12	371	14.45	0.01	3.3	158.5	1120
S036787		1.35	0.08	0.2	2.35	0.010	0.20	2.9	1.1	0.09	367	5.25	0.01	1.0	40.5	530
S036788		1.36	0.08	0.2	3.49	0.008	0.21	2.4	1.0	0.11	368	2.78	0.01	1.0	45.6	790
S036789		0.61	0.07	0.1	>100	0.005	0.05	2.1	3.7	0.08	367	3.03	<0.01	0.3	45.1	150
S036790		10.40	0.15	2.1	15.15	0.036	1.83	20.4	10.8	2.59	1160	1.92	0.02	6.1	26.0	460
S036791		0.21	0.07	<0.1	1.760	<0.005	0.02	3.7	0.4	0.21	174	0.92	<0.01	0.1	10.3	130
S036792		0.37	0.08	<0.1	1.300	<0.005	0.03	5.8	0.4	0.81	99	2.58	0.01	0.1	11.8	140
S036793		0.26	0.07	<0.1	0.600	<0.005	0.03	4.3	0.3	2.03	114	2.15	0.01	0.1	14.8	150
S036794		0.15	0.06	<0.1	3.28	<0.005	0.01	3.7	0.3	1.82	80	0.63	0.01	0.1	2.7	190
S036795		0.12	0.05	<0.1	0.737	<0.005	0.01	3.5	0.5	1.59	79	0.97	0.01	<0.1	3.4	170
S036796		0.10	0.06	<0.1	0.577	<0.005	0.01	3.4	0.3	1.41	64	0.53	0.01	<0.1	2.0	180
S036797		0.12	<0.05	<0.1	0.396	<0.005	0.01	3.7	0.3	1.29	66	0.46	<0.01	<0.1	1.5	160
S036798		0.15	<0.05	<0.1	<0.005	<0.005	0.02	0.5	0.8	12.80	196	0.08	0.01	0.1	1.5	160
S036799		0.12	0.07	<0.1	0.677	<0.005	0.01	2.9	0.3	3.13	155	0.25	<0.01	0.1	3.8	100
S036800		0.11	0.08	<0.1	0.239	<0.005	0.01	2.6	0.3	2.75	66	0.64	<0.01	0.1	4.5	170
S036801		0.06	<0.05	<0.1	0.088	<0.005	<0.01	1.9	0.3	0.64	57	0.33	<0.01	0.1	2.0	110
S036802		9.40	0.11	1.8	3.59	0.033	1.76	17.7	9.6	1.41	1180	1.53	0.02	5.9	23.8	380
S036803		0.15	0.06	<0.1	0.175	<0.005	0.01	3.5	0.3	1.75	51	0.27	<0.01	0.1	3.5	70
S036804		0.13	0.06	<0.1	0.355	<0.005	0.01	3.7	0.3	1.50	64	0.90	0.01	<0.1	9.6	60
S036805		0.12	0.06	<0.1	0.377	<0.005	0.01	3.6	0.3	1.71	67	1.21	0.01	<0.1	13.9	80
S036806		0.23	0.07	<0.1	0.756	<0.005	0.01	4.7	0.4	1.44	93	1.35	<0.01	0.1	9.1	80
S036807		0.21	0.08	<0.1	0.742	<0.005	0.01	4.8	0.3	1.47	95	1.28	0.01	0.1	9.9	80
S036808		0.28	0.07	<0.1	0.700	<0.005	0.02	6.0	0.4	1.30	78	2.38	0.01	0.1	18.0	120
S036809		0.14	<0.05	<0.1	0.663	<0.005	0.01	4.1	0.3	0.72	66	0.94	0.01	<0.1	9.5	90
S036810		0.20	0.08	<0.1	0.295	<0.005	0.01	4.6	0.2	0.89	43	0.57	0.01	0.1	6.2	90
S036811		0.19	<0.05	<0.1	0.012	<0.005	0.02	0.6	0.9	13.00	197	0.22	<0.01	0.1	1.4	210
S036812		0.13	0.06	<0.1	0.300	<0.005	0.01	3.0	0.3	0.97	110	0.19	<0.01	0.1	6.6	100
S036813		0.10	0.07	<0.1	0.169	<0.005	0.01	2.9	0.2	1.71	60	0.14	0.01	0.1	1.5	80
S036814		0.12	<0.05	<0.1	0.117	<0.005	0.01	3.0	0.3	2.45	69	0.14	0.01	0.1	2.2	80
S036815		0.18	0.05	<0.1	0.112	<0.005	0.02	2.7	0.4	1.19	77	0.16	<0.01	0.1	2.0	50
S036816		0.13	<0.05	<0.1	0.076	<0.005	0.02	0.8	0.2	0.35	36	0.11	<0.01	0.1	3.3	20

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 16- SEP- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS VA16145520

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
S036781		98.4	80.2	0.002	0.53	13.50	10.4	6	1.8	520	0.92	0.15	7.83	0.282	7.62	12.2
S036782		69.6	40.2	<0.002	0.78	10.30	71.4	10	0.8	756	0.32	0.16	3.68	0.105	4.93	56.5
S036783		28.0	49.5	<0.002	0.03	7.67	7.1	8	1.0	154.5	0.53	0.11	4.38	0.167	0.86	9.0
S036784		52.6	33.4	<0.002	0.02	6.91	4.9	4	0.7	211	0.34	0.08	3.17	0.116	0.72	7.3
S036785		52.5	19.1	<0.002	0.10	5.63	4.6	5	0.5	194.0	0.19	<0.05	2.03	0.064	0.44	7.9
S036786		42.0	20.6	<0.002	0.01	4.14	3.2	5	0.5	172.5	0.20	<0.05	1.93	0.071	0.33	5.8
S036787		34.3	7.9	<0.002	0.01	1.69	2.9	2	0.2	179.0	0.06	<0.05	0.77	0.026	0.24	4.7
S036788		23.2	8.5	0.002	0.02	1.43	2.9	2	0.3	145.5	0.06	<0.05	0.69	0.025	0.82	5.6
S036789		48.5	2.1	<0.002	0.02	1.99	1.5	2	0.2	211	<0.05	<0.05	0.24	0.007	0.51	3.2
S036790		11.1	82.0	0.002	2.66	23.7	10.0	2	1.6	326	0.46	<0.05	6.02	0.267	42.6	6.6
S036791		27.9	0.7	0.010	0.02	2.08	0.4	2	<0.2	469	<0.05	<0.05	0.08	<0.005	0.42	4.6
S036792		57.9	1.3	0.065	0.04	15.10	0.3	2	0.2	411	<0.05	<0.05	0.15	<0.005	0.32	5.6
S036793		3.5	1.0	0.049	0.06	0.96	0.2	2	<0.2	346	<0.05	<0.05	0.12	<0.005	0.35	6.3
S036794		39.8	0.7	0.002	0.04	9.66	0.3	2	<0.2	324	<0.05	<0.05	0.09	<0.005	0.43	3.7
S036795		30.7	0.5	0.004	0.04	6.71	0.3	1	<0.2	298	<0.05	<0.05	0.07	<0.005	0.33	3.3
S036796		12.2	0.3	0.004	0.04	3.97	0.7	1	<0.2	252	<0.05	<0.05	0.05	<0.005	0.31	2.9
S036797		18.3	0.3	<0.002	0.03	6.50	0.7	1	<0.2	255	<0.05	<0.05	0.06	<0.005	0.32	2.6
S036798		1.5	0.7	<0.002	<0.01	0.15	0.1	<1	<0.2	50.2	<0.05	<0.05	0.05	<0.005	<0.02	0.4
S036799		32.4	0.4	<0.002	<0.01	3.28	3.3	2	<0.2	189.5	<0.05	<0.05	0.07	<0.005	0.08	2.4
S036800		3.1	0.4	0.010	<0.01	0.79	1.2	2	<0.2	255	<0.05	<0.05	0.08	<0.005	0.17	3.0
S036801		0.6	0.2	0.004	0.01	0.32	1.1	1	<0.2	239	<0.05	<0.05	0.03	<0.005	0.06	3.3
S036802		8.7	76.7	<0.002	2.62	9.50	8.7	2	1.3	734	0.41	<0.05	5.18	0.269	10.15	2.2
S036803		1.3	0.6	<0.002	0.01	0.88	0.7	1	<0.2	269	<0.05	<0.05	0.08	<0.005	0.12	2.9
S036804		6.4	0.3	0.015	0.02	1.15	0.6	2	<0.2	287	<0.05	<0.05	0.05	<0.005	0.22	3.8
S036805		6.8	0.3	0.015	0.02	0.80	0.3	1	<0.2	223	<0.05	<0.05	0.04	<0.005	0.61	4.3
S036806		10.1	0.6	0.022	0.02	1.42	0.5	1	<0.2	223	<0.05	<0.05	0.09	<0.005	0.47	4.0
S036807		9.6	0.6	0.027	0.01	1.40	0.5	2	<0.2	229	<0.05	<0.05	0.10	<0.005	0.45	4.2
S036808		2.5	0.8	0.025	0.04	1.09	0.9	2	<0.2	245	<0.05	<0.05	0.14	<0.005	0.36	4.7
S036809		0.8	0.4	0.011	0.02	1.32	0.5	2	<0.2	244	<0.05	<0.05	0.06	<0.005	0.31	4.5
S036810		0.6	0.5	0.011	0.03	0.54	0.3	1	<0.2	245	<0.05	<0.05	0.08	<0.005	0.23	3.7
S036811		1.3	0.9	<0.002	<0.01	0.12	0.1	1	<0.2	56.6	<0.05	<0.05	0.05	<0.005	<0.02	0.5
S036812		0.7	0.4	0.002	0.01	0.99	1.6	2	<0.2	211	<0.05	<0.05	0.06	<0.005	0.16	4.3
S036813		1.0	0.3	0.002	0.01	0.37	1.3	1	<0.2	191.0	<0.05	<0.05	0.06	<0.005	0.05	3.1
S036814		1.4	0.4	0.002	0.02	0.76	1.2	1	<0.2	199.5	<0.05	<0.05	0.07	<0.005	0.14	3.3
S036815		3.6	0.8	<0.002	0.02	0.48	2.5	1	<0.2	181.0	<0.05	<0.05	0.10	<0.005	0.17	2.0
S036816		0.5	0.8	<0.002	0.01	0.41	0.4	1	<0.2	141.5	<0.05	<0.05	0.07	<0.005	0.14	0.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 16- SEP- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS VA16145520

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Hg- CV42	Au- AA26
	Analyte	V	W	Y	Zn	Zr	Hg	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	0.1	0.01
S036781		704	6.2	24.6	210	95.2		0.10
S036782		712	3.1	119.0	5360	37.5		0.14
S036783		319	2.9	167.5	2920	58.2		0.04
S036784		247	2.7	39.1	1300	41.6		0.05
S036785		162	2.1	154.0	3290	24.0		0.05
S036786		157	1.9	37.8	1140	24.2		0.04
S036787		45	1.6	12.5	271	9.0		0.15
S036788		34	1.8	11.3	245	8.4		0.44
S036789		23	0.8	8.6	283	2.7	169.0	0.94
S036790		85	8.4	18.2	52	70.4		2.56
S036791		17	0.3	7.6	112	1.1		0.01
S036792		17	0.3	8.4	69	1.6		<0.01
S036793		15	0.3	6.5	63	1.1		<0.01
S036794		11	0.1	6.4	48	0.7		<0.01
S036795		10	0.1	5.9	35	0.7		<0.01
S036796		12	0.1	7.0	116	0.8		<0.01
S036797		9	0.1	7.0	48	0.8		<0.01
S036798		2	0.1	0.7	16	<0.5		<0.01
S036799		27	0.1	15.4	71	2.4		<0.01
S036800		13	0.1	8.0	54	1.4		<0.01
S036801		15	0.1	7.6	16	0.8		<0.01
S036802		75	5.1	15.3	48	63.3		0.47
S036803		15	0.1	8.1	35	1.1		<0.01
S036804		16	0.2	6.9	41	1.0		<0.01
S036805		15	0.1	5.6	101	0.6		<0.01
S036806		16	0.2	6.8	86	1.0		0.01
S036807		16	0.2	6.9	87	1.0		0.01
S036808		20	0.2	10.0	92	1.5		<0.01
S036809		20	0.1	7.2	52	0.9		<0.01
S036810		18	0.1	6.1	25	0.9		<0.01
S036811		2	0.1	0.8	18	<0.5		<0.01
S036812		25	0.1	10.8	49	1.6		<0.01
S036813		19	0.1	8.5	21	1.0		<0.01
S036814		18	0.1	7.5	23	1.0		<0.01
S036815		19	0.1	10.9	26	1.8		<0.01
S036816		3	0.1	4.1	34	0.9		<0.01

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 16- SEP- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS VA16145520

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA26	CRU- 31	CRU- QC	Hg- CV42
Hg- MS42	LOG- 21	LOG- 21d	LOG- 23
ME- MS61	PUL- 31	PUL- 31d	PUL- QC
SPL- 21	SPL- 21d	WEI- 21	

ALS Canada Ltd.

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- OCT- 2016
Account: RCM

CERTIFICATE WH16179711

Project: NADALEEN

P.O. No.: N16- 007

This report is for 1 Drill Core sample submitted to our lab in Vancouver, BC, Canada on 20- OCT- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

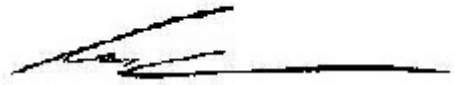
ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA13	Au by cyanide leach and AAS	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16179711

Sample Description	Method Analyte Units LOR	Au- AA13 Au ppm 0.03
S036847		<0.03

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 26- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16179711

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA13 FND- 02

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- OCT- 2016
Account: RCM

CERTIFICATE WH16179712

Project: Nadaleen

P.O. No.: N16- 008

This report is for 4 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20- OCT- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

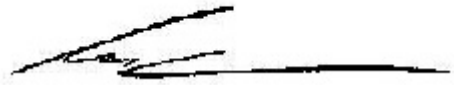
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA13	Au by cyanide leach and AAS	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 27- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16179712

Sample Description	Method Analyte Units LOR	Au- AA13 Au ppm 0.03
S036860		0.43
S036861		2.16
S036863		0.55
S036864		0.29

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16179712

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA13 FND- 02

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 5- OCT- 2016
Account: RCM

CERTIFICATE VA16150623

Project: Nadaleen

P.O. No.: N16- 009

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 6- SEP- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21d	Sample logging - ClientBarCode Dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

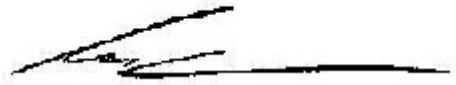
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 5- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16150623

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S036889		4.46	6.88	4.26	1610	1970	1.18	0.24	0.25	2.46	47.9	0.3	130	13.05	26.8	2.65
S036890		2.04	10.65	4.95	2680	1360	1.36	0.20	2.80	14.25	41.4	9.6	191	14.55	59.3	3.99
S036891		5.16	0.71	0.40	340	4820	0.45	0.02	34.0	5.94	3.67	1.6	10	1.39	13.1	0.54
S036892		11.90	0.31	0.14	246	990	0.20	0.01	36.2	1.75	2.64	0.8	5	0.37	1.5	0.25
S036893		0.28	0.16	3.75	6540	210	0.90	0.16	12.05	0.17	43.1	11.8	46	11.80	35.4	2.96
S036894		11.56	0.05	0.03	207	130	0.17	0.01	37.6	0.55	1.22	0.7	7	0.09	1.6	0.09
S036895		11.64	0.04	0.02	84.1	100	0.14	0.01	38.2	0.47	1.40	0.7	8	0.06	1.5	0.08
S036896		9.76	0.05	0.02	65.2	90	0.18	0.02	38.2	0.94	1.32	1.0	9	0.06	1.4	0.12
S036897		<0.02	0.04	0.02	53.9	80	0.10	0.01	37.3	0.81	1.13	0.9	8	<0.05	1.3	0.12
S036898		12.36	0.04	0.03	59.1	100	0.13	0.02	37.4	0.33	1.21	0.7	7	0.06	1.4	0.11
S036899		11.52	0.10	0.01	204	120	0.11	0.01	36.6	0.33	1.49	1.0	6	<0.05	1.7	0.18
S036900		9.88	0.03	0.03	89.4	130	0.17	0.01	37.7	1.16	1.06	0.7	6	0.11	2.9	0.11
S036901		4.16	0.12	0.91	206	400	0.65	0.04	34.4	2.93	7.87	3.2	15	3.72	19.4	0.55
S036902		2.28	1.17	2.31	105.5	3330	0.75	0.10	15.35	2.86	19.35	4.3	88	6.23	50.1	1.97
S036903		3.08	1.08	4.11	143.5	3180	1.58	0.15	12.05	3.57	40.9	5.3	114	15.55	78.4	2.52
S036904		1.74	0.82	1.78	77.0	4110	0.75	0.08	19.75	7.63	21.4	3.9	66	5.75	44.0	2.21
S036905		1.46	3.72	4.20	216	4060	1.29	0.18	5.78	5.46	39.2	6.8	147	12.70	121.0	2.94
S036906		7.04	0.01	0.05	0.8	40	0.06	0.02	20.5	0.08	1.16	0.5	1	0.22	6.5	0.45
S036907		1.46	3.66	4.04	219	2220	1.14	0.17	0.54	1.42	40.0	1.3	209	16.50	90.5	1.46
S036908		2.74	1.74	4.36	90.9	2870	1.13	0.22	0.23	0.29	40.2	0.5	214	13.35	75.1	0.77
S036909		5.24	1.78	3.61	78.1	3520	0.92	0.18	0.12	0.24	36.7	0.4	190	11.95	64.6	0.52
S036910		4.86	1.33	3.28	28.1	1130	0.83	0.19	0.10	0.78	34.3	0.4	170	9.04	44.1	0.37
S036911		2.00	1.48	3.26	28.8	1280	0.87	0.19	0.09	0.89	35.5	0.4	176	9.38	47.2	0.37
S036912		6.10	1.15	3.29	72.0	1230	0.91	0.17	0.10	0.51	35.5	1.1	128	11.20	43.6	0.85
S036913		6.88	4.77	4.35	198.0	200	1.33	0.20	0.15	7.95	39.1	5.8	142	12.25	99.7	2.46
S036914		5.88	1.40	3.74	202	480	1.21	0.17	2.72	0.99	38.0	7.1	182	15.80	51.0	2.55
S036915		0.28	0.11	3.72	2630	210	0.89	0.15	19.20	0.11	38.3	11.1	44	10.40	44.0	3.12
S036916		6.40	0.92	1.71	74.5	340	0.57	0.09	17.15	0.69	18.45	2.6	79	4.71	27.1	1.39
S036917		9.44	1.14	3.08	115.5	320	1.03	0.15	13.15	0.66	32.0	4.6	102	9.21	52.8	1.95
S036918		7.02	1.16	1.75	105.5	340	0.60	0.09	21.3	0.96	19.85	3.0	87	4.82	33.7	1.70
S036919		3.78	1.09	4.42	164.5	250	1.36	0.20	3.54	1.20	41.1	5.8	228	15.45	80.5	2.66
S036920		7.00	0.01	0.08	0.7	30	0.06	0.03	21.7	0.06	1.25	0.7	1	0.20	1.9	0.49
S036921		5.28	1.10	4.07	143.5	290	1.15	0.18	4.78	0.92	36.0	5.3	209	13.35	76.7	2.83
S036922		7.56	1.15	4.44	155.5	310	1.31	0.21	2.41	0.80	39.9	6.8	236	17.35	87.3	2.92
S036923		6.98	1.64	4.45	169.5	220	1.31	0.20	0.52	1.93	39.8	9.7	180	12.85	76.5	2.86
S036924		9.06	1.58	4.39	155.0	310	1.18	0.19	2.53	1.73	40.5	9.9	126	9.97	68.1	2.89

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 5- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16150623

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
S036889		14.05	0.15	2.3	3.79	0.035	1.80	34.4	11.7	0.21	17	5.50	0.03	9.2	14.9	1250
S036890		12.80	0.17	2.2	12.30	0.037	1.69	31.5	14.4	0.23	112	11.65	0.02	7.7	133.0	2120
S036891		0.92	0.09	0.2	1.340	0.006	0.11	3.2	1.6	0.21	425	1.19	<0.01	0.5	30.8	200
S036892		0.46	0.09	0.1	1.145	<0.005	0.04	2.6	0.8	0.17	456	0.79	<0.01	0.3	11.3	140
S036893		10.10	0.13	2.2	14.75	0.035	1.80	22.2	11.5	2.57	1180	1.89	0.02	6.4	25.8	460
S036894		0.15	0.08	<0.1	0.690	<0.005	0.01	2.1	0.5	0.15	345	0.37	<0.01	0.1	4.7	170
S036895		0.12	0.08	<0.1	0.336	<0.005	0.01	2.5	0.5	0.14	302	0.34	<0.01	<0.1	4.8	120
S036896		0.12	0.08	<0.1	0.319	<0.005	<0.01	2.3	0.4	0.15	391	0.25	<0.01	<0.1	7.0	110
S036897		0.11	0.10	<0.1	0.316	<0.005	<0.01	2.0	0.4	0.14	396	0.24	<0.01	<0.1	6.1	100
S036898		0.16	0.08	<0.1	0.670	<0.005	0.01	2.1	0.5	0.15	492	0.23	<0.01	0.1	4.2	210
S036899		0.13	0.12	<0.1	0.743	<0.005	<0.01	3.4	0.4	0.16	129	0.73	<0.01	<0.1	7.0	210
S036900		0.14	0.12	<0.1	0.657	<0.005	0.01	2.0	0.5	0.14	126	0.23	<0.01	<0.1	5.8	130
S036901		2.09	0.13	0.3	0.924	0.008	0.24	6.3	6.6	0.46	216	0.48	0.01	1.0	51.9	250
S036902		5.81	0.12	1.0	0.664	0.027	0.77	20.4	4.2	0.76	132	5.76	0.01	3.6	66.6	880
S036903		10.15	0.17	1.9	0.469	0.042	1.32	43.1	6.1	0.44	156	4.63	0.03	7.1	84.9	1920
S036904		4.69	0.12	1.1	0.272	0.020	0.58	20.5	2.8	0.22	137	7.94	0.02	3.1	72.1	1690
S036905		10.25	0.15	1.7	1.155	0.041	1.40	33.0	5.8	0.21	86	7.97	0.03	7.4	133.0	1090
S036906		0.14	<0.05	<0.1	0.006	<0.005	0.02	0.5	0.8	12.60	196	0.44	<0.01	0.2	1.8	160
S036907		11.30	0.14	1.9	2.95	0.031	1.51	26.0	9.8	0.22	21	15.10	0.04	8.3	53.5	1000
S036908		11.95	0.13	2.2	1.755	0.029	1.61	27.5	10.0	0.24	16	5.66	0.02	8.8	46.5	670
S036909		10.40	0.12	2.0	3.44	0.026	1.27	24.5	8.1	0.19	14	3.42	0.02	8.1	35.2	770
S036910		9.22	0.12	2.0	0.914	0.036	1.18	22.8	7.4	0.16	15	3.82	0.03	7.7	29.4	250
S036911		9.56	0.15	2.1	0.938	0.039	1.16	23.6	8.0	0.15	14	3.76	0.03	7.9	31.3	300
S036912		10.00	0.13	2.0	1.335	0.030	1.18	22.1	6.9	0.15	20	4.46	0.03	7.8	32.4	430
S036913		12.20	0.13	1.9	3.47	0.049	1.48	23.4	7.6	0.20	58	6.10	0.03	8.1	68.6	990
S036914		10.95	0.14	2.0	1.920	0.049	1.29	26.3	6.2	0.34	133	8.61	0.03	7.8	105.5	1350
S036915		9.62	0.08	1.8	3.42	0.035	1.78	16.8	8.7	1.46	1200	1.64	0.02	6.2	25.0	380
S036916		4.43	0.08	0.8	0.711	0.019	0.59	15.3	2.6	0.39	83	4.26	0.01	3.7	40.4	1000
S036917		7.97	0.12	1.5	1.370	0.031	1.11	29.4	4.1	0.55	80	3.72	0.02	5.9	60.3	1730
S036918		4.82	0.08	1.0	1.020	0.019	0.65	17.1	3.0	0.78	102	4.63	0.02	3.7	50.6	1530
S036919		11.90	0.16	2.2	1.995	0.049	1.65	26.1	10.3	0.46	62	8.97	0.03	8.2	125.0	1010
S036920		0.22	<0.05	0.1	0.007	<0.005	0.03	0.6	0.9	13.30	213	0.08	0.01	0.2	1.9	190
S036921		10.30	0.13	2.0	2.20	0.040	1.48	23.3	7.9	0.61	66	13.65	0.03	7.1	117.5	2070
S036922		11.70	0.16	2.0	2.41	0.043	1.61	26.1	9.9	0.47	64	11.70	0.04	7.9	140.5	880
S036923		12.35	0.13	2.2	1.995	0.040	1.54	23.1	11.8	0.27	93	8.90	0.03	8.3	133.5	1200
S036924		11.95	0.12	2.1	2.25	0.035	1.58	24.2	10.5	0.45	130	7.14	0.02	8.1	122.0	1130

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 5- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16150623

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
S036889		350	86.0	0.024	0.84	25.7	9.0	8	1.5	324	0.59	0.10	8.06	0.265	14.60	7.1
S036890		704	72.0	0.002	0.07	45.5	10.6	11	1.4	375	0.47	0.11	6.88	0.215	4.08	7.6
S036891		45.4	4.8	<0.002	0.13	2.68	4.8	1	0.2	95.2	<0.05	<0.05	0.58	0.013	0.43	4.8
S036892		12.6	2.0	0.002	0.05	1.46	14.8	1	<0.2	178.5	<0.05	<0.05	0.25	0.007	0.46	5.7
S036893		11.9	83.9	0.002	2.59	24.0	10.1	2	1.6	323	0.47	0.06	6.78	0.266	46.4	7.5
S036894		3.1	0.4	0.002	0.02	0.55	15.2	2	<0.2	156.5	<0.05	<0.05	0.09	<0.005	0.25	5.1
S036895		2.7	0.3	0.002	0.01	0.35	13.6	2	<0.2	166.0	<0.05	<0.05	0.09	<0.005	0.15	4.8
S036896		2.6	0.3	<0.002	0.01	0.33	16.7	2	<0.2	160.0	<0.05	<0.05	0.10	<0.005	0.08	4.7
S036897		2.4	0.3	0.002	<0.01	0.28	15.0	2	<0.2	147.0	<0.05	<0.05	0.09	<0.005	0.07	4.2
S036898		2.9	0.4	0.002	0.01	0.57	10.7	2	<0.2	169.0	<0.05	<0.05	0.08	<0.005	0.13	3.8
S036899		3.9	0.2	0.002	0.01	1.60	3.0	2	<0.2	262	<0.05	<0.05	0.06	<0.005	0.12	4.9
S036900		2.3	0.4	0.002	0.01	0.94	4.4	2	<0.2	218	<0.05	<0.05	0.07	<0.005	0.11	4.5
S036901		13.9	13.0	<0.002	<0.01	1.52	9.4	2	0.3	230	0.07	<0.05	1.17	0.031	0.42	4.8
S036902		13.5	38.9	0.042	0.11	1.54	5.9	5	0.7	813	0.24	0.07	2.96	0.135	1.60	3.3
S036903		15.4	73.4	0.042	0.17	2.21	12.1	8	1.3	693	0.48	0.09	5.35	0.229	2.43	5.8
S036904		7.5	29.8	0.032	0.25	3.18	9.1	11	0.6	1020	0.21	<0.05	2.69	0.098	1.25	5.8
S036905		105.5	68.2	0.059	0.17	5.95	11.6	17	1.3	388	0.47	0.09	6.00	0.247	2.96	7.3
S036906		2.0	1.2	<0.002	0.01	0.06	0.2	<1	0.2	48.4	<0.05	<0.05	0.06	<0.005	<0.02	0.6
S036907		322	73.0	0.036	0.30	13.05	10.0	16	1.4	446	0.53	0.10	5.94	0.255	6.17	9.2
S036908		29.4	75.4	0.023	0.22	4.62	8.7	9	1.4	263	0.59	0.06	6.67	0.290	4.05	10.1
S036909		49.8	64.8	0.027	0.16	3.54	7.9	15	1.2	255	0.53	0.05	5.66	0.251	2.69	9.2
S036910		20.6	57.4	0.021	0.13	4.24	6.7	17	1.3	117.5	0.50	0.08	5.43	0.243	1.85	6.8
S036911		23.4	59.7	0.016	0.13	4.32	7.0	15	1.4	132.5	0.54	0.08	5.82	0.240	1.85	7.3
S036912		33.3	59.7	0.019	0.43	3.92	6.4	16	1.4	159.0	0.51	0.10	5.50	0.228	2.22	6.8
S036913		250	69.1	0.016	2.09	18.00	11.8	11	1.5	263	0.55	0.09	5.58	0.255	2.91	6.2
S036914		25.4	65.7	0.024	1.03	5.24	9.3	18	1.3	339	0.52	0.10	5.77	0.245	6.10	8.8
S036915		9.2	78.2	0.003	2.66	9.66	9.2	2	1.5	731	0.44	0.06	5.79	0.279	10.75	2.4
S036916		5.9	29.1	0.009	1.34	3.16	5.4	6	0.7	710	0.23	<0.05	2.54	0.101	2.19	4.1
S036917		9.3	54.4	0.010	1.98	6.13	8.6	9	1.2	720	0.40	0.06	4.51	0.181	4.14	4.8
S036918		10.7	31.2	0.014	1.63	5.38	5.5	9	0.7	711	0.25	0.05	2.77	0.105	2.21	4.8
S036919		18.6	81.4	0.027	2.95	5.70	10.9	20	1.5	218	0.56	0.11	6.47	0.278	4.84	8.8
S036920		1.7	1.3	<0.002	0.01	<0.05	0.2	1	0.2	53.8	<0.05	<0.05	0.09	0.006	0.02	0.6
S036921		13.1	69.5	0.034	3.14	4.96	12.6	19	1.4	314	0.47	0.10	5.64	0.248	4.39	9.8
S036922		14.7	81.6	0.024	3.12	5.98	10.5	21	1.5	161.0	0.53	0.14	6.48	0.274	5.50	9.4
S036923		22.3	74.1	0.022	2.74	8.12	11.0	15	1.7	178.0	0.56	0.12	5.94	0.270	4.33	8.3
S036924		38.1	69.7	0.018	2.54	8.98	10.6	10	1.5	238	0.55	0.06	5.98	0.264	3.72	7.1

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CERTIFICATE OF ANALYSIS VA16150623

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- AA26 Au ppm 0.01
S036889		236	7.3	18.7	63	89.1	0.02
S036890		271	6.9	37.2	2450	89.2	0.02
S036891		42	0.9	21.3	459	8.6	0.05
S036892		61	0.4	25.5	124	6.8	0.02
S036893		85	8.4	18.9	50	72.6	1.96
S036894		56	0.1	23.9	44	4.8	0.01
S036895		45	0.1	22.9	30	3.3	<0.01
S036896		47	0.1	26.3	39	3.7	<0.01
S036897		45	0.1	23.4	38	3.2	<0.01
S036898		41	0.2	21.9	24	2.6	0.02
S036899		31	0.2	11.9	49	1.2	0.01
S036900		25	0.2	11.3	42	1.2	<0.01
S036901		55	0.5	27.7	352	11.7	0.01
S036902		128	1.7	22.3	475	44.3	0.01
S036903		217	1.4	50.6	496	82.1	0.01
S036904		163	0.5	53.1	553	61.8	0.01
S036905		229	3.2	41.4	601	72.9	0.01
S036906		2	0.1	0.9	20	0.5	<0.01
S036907		242	5.2	27.7	237	81.9	0.01
S036908		252	4.3	23.4	96	87.9	0.01
S036909		224	3.0	21.9	39	79.7	0.01
S036910		225	2.0	17.3	30	80.8	0.02
S036911		221	2.2	16.7	32	81.4	0.01
S036912		206	2.3	16.9	88	76.7	0.02
S036913		242	4.3	26.4	1100	79.3	0.01
S036914		251	2.5	28.9	658	79.9	0.01
S036915		76	5.3	17.0	52	69.7	0.51
S036916		164	0.9	27.3	98	37.5	0.01
S036917		184	1.7	34.6	162	59.6	0.02
S036918		147	1.3	27.2	153	44.1	0.01
S036919		233	2.5	33.3	417	84.3	0.02
S036920		3	0.1	0.9	18	2.5	<0.01
S036921		229	1.5	29.8	409	78.3	0.01
S036922		222	1.5	33.2	445	80.0	<0.01
S036923		227	3.6	37.4	610	86.0	<0.01
S036924		227	3.9	31.8	618	83.7	0.01

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Nadaleen

Finalized Date: 5- OCT- 2016
Account: RCM

CERTIFICATE OF ANALYSIS VA16150623

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA26	CRU- 31	CRU- QC	Hg- MS42
LOG- 21	LOG- 21d	LOG- 23	ME- MS61
PUL- 31	PUL- 31d	PUL- QC	SPL- 21
SPL- 21d	WEI- 21		

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 16- OCT- 2016
This copy reported on 24- OCT- 2016
Account: RCM

CERTIFICATE VA16174992

Project: RCM_VA16150623

P.O. No.: N16- 009

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 13- OCT- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
FND- 02	Find Sample for Addn Analysis

ANALYTICAL PROCEDURES

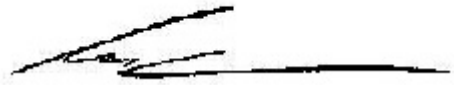
ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Comments: ***Re- analysis results for samples originally reported on certificate VA16150623.***

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 16- OCT- 2016
Account: RCM

Project: RCM_VA16150623

CERTIFICATE OF ANALYSIS VA16174992

Sample Description	Method Analyte Units LOR	Au- AA26 Au ppm 0.01
S036889		0.02
S036890		0.02
S036891		0.05
S036892		0.02
S036893		2.62
S036894		0.01
S036895		<0.01
S036896		<0.01
S036897		0.01
S036898		0.02
S036899		0.01
S036900		<0.01
S036901		0.01
S036902		<0.01
S036903		0.01
S036904		<0.01
S036905		0.01
S036906		<0.01
S036907		0.01
S036908		<0.01
S036909		<0.01
S036910		<0.01
S036911		<0.01
S036912		<0.01
S036913		0.02
S036914		<0.01
S036915		0.50
S036916		<0.01
S036917		0.01
S036918		<0.01
S036919		0.01
S036920		<0.01
S036921		<0.01
S036922		<0.01
S036923		0.01
S036924		0.01

Comments: ***Re- analysis results for samples originally reported on certificate VA16150623.***

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: RCM_VA16150623

Finalized Date: 16- OCT- 2016
Account: RCM

CERTIFICATE OF ANALYSIS VA16174992

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA26 FND- 02

ALS Canada Ltd.

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www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 4- OCT- 2016
Account: RCM

CERTIFICATE VA16150618

Project: Nadaleen

P.O. No.: N16- 010

This report is for 36 Drill Core samples submitted to our lab in Vancouver, BC, Canada on 6- SEP- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21d	Sample logging - ClientBarCode Dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

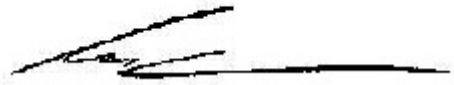
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 4- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16150618

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S036925		9.08	0.97	2.63	100.0	100	0.86	0.11	13.45	0.91	26.0	3.7	110	5.99	30.2	2.14
S036926		8.32	1.43	4.21	162.0	110	1.30	0.16	5.33	1.10	38.1	5.1	187	12.85	48.0	2.97
S036927		9.62	7.35	4.28	187.0	210	1.19	0.19	2.66	9.17	42.5	6.9	123	9.10	57.7	2.45
S036928		7.72	11.05	4.74	933	250	1.31	0.21	3.09	18.80	45.5	7.9	148	9.51	76.7	2.86
S036929		0.28	0.21	3.89	6250	230	1.09	0.14	12.60	0.18	41.0	11.8	55	11.55	35.1	3.02
S036930		8.52	0.49	0.21	153.0	470	0.39	0.01	35.5	1.53	3.05	0.8	10	0.25	3.0	0.16
S036931		10.92	0.11	0.04	170.5	140	0.17	0.01	38.4	0.71	1.51	0.6	4	0.07	1.5	0.09
S036932		12.02	0.02	0.02	25.8	120	0.15	0.01	38.0	0.18	1.03	0.5	3	<0.05	0.8	0.04
S036933		11.42	0.05	0.03	61.2	120	0.20	0.01	38.0	0.53	1.48	0.6	4	0.06	1.1	0.05
S036934		12.04	0.04	0.02	29.8	150	0.13	0.01	36.0	0.16	1.36	0.6	2	<0.05	1.0	0.04
S036935		7.12	0.01	0.05	<0.2	90	0.07	0.02	21.6	0.05	1.08	0.7	1	0.15	1.7	0.46
S036936		11.90	0.08	0.01	14.9	130	0.10	<0.01	37.5	0.76	1.05	0.7	2	<0.05	0.7	0.03
S036937		11.24	0.16	0.01	10.7	100	0.16	<0.01	36.6	0.15	1.10	0.5	2	<0.05	0.6	0.02
S036938		11.66	0.06	0.07	16.0	140	0.21	0.01	36.8	0.18	3.19	0.5	3	0.08	1.1	0.06
S036939		<0.02	0.65	6.23	189.0	2580	1.88	0.28	1.90	0.60	72.1	1.4	97	23.3	39.0	1.68
S036940		2.54	0.63	6.09	189.5	2540	1.82	0.28	2.21	0.59	71.1	1.4	97	22.6	39.4	1.71
S036941		4.16	0.67	6.14	651	900	1.98	0.26	0.16	0.57	63.0	4.1	97	22.2	155.0	2.41
S036942		2.52	0.53	6.43	512	910	2.72	0.30	0.16	1.07	68.4	8.5	103	22.3	306	2.28
S036943		7.00	0.01	0.07	1.9	40	0.09	0.03	20.6	0.06	1.52	0.2	<1	0.25	1.9	0.47
S036944		6.72	0.61	6.28	344	560	2.43	0.30	0.15	9.88	68.3	11.6	100	22.4	229	2.70
S036945		7.32	0.72	6.16	118.0	700	2.22	0.28	0.35	5.07	67.7	12.3	95	23.0	87.6	2.65
S036946		1.44	0.79	5.79	664	1170	2.02	0.26	1.14	2.58	64.2	11.6	92	17.90	80.4	2.68
S036947		0.96	0.77	5.86	533	1360	2.16	0.26	1.20	2.41	64.0	10.2	94	19.40	78.3	2.38
S036948		5.14	0.59	5.86	127.0	1970	2.42	0.29	0.24	2.11	66.1	10.4	97	19.20	86.9	1.56
S036949		6.96	0.69	5.89	168.0	1360	2.18	0.29	0.13	1.84	64.3	11.5	93	16.95	82.2	1.84
S036950		6.52	0.71	4.93	653	1000	1.60	0.22	0.07	2.64	49.5	12.7	92	12.50	72.6	4.56
S036951		8.60	1.23	3.82	636	490	1.20	0.17	0.07	1.37	35.9	12.0	93	9.49	64.8	5.32
S036952		0.30	0.08	3.44	2540	200	0.87	0.13	17.80	0.13	37.9	10.8	42	10.55	40.7	3.00
S036953		6.42	0.62	5.97	164.0	1170	1.72	0.27	0.09	1.53	67.2	11.0	96	14.85	79.8	1.64
S036954		9.78	0.62	6.07	867	620	1.82	0.28	0.08	1.45	69.1	11.7	101	15.10	84.6	1.94
S036955		10.70	0.65	6.15	247	370	1.90	0.30	0.10	1.59	66.9	11.2	101	13.05	87.7	2.66
S036956		10.84	0.62	6.24	249	700	1.95	0.30	0.10	1.57	70.5	11.5	106	15.15	88.3	2.40
S036957		8.68	1.95	5.21	3470	490	1.66	0.28	0.11	2.55	54.5	10.7	101	11.75	83.2	2.51
S036958		4.14	2.56	5.70	5330	620	1.63	0.28	0.15	6.98	61.5	11.2	96	10.15	82.2	2.32
S036959		7.02	0.77	5.89	428	320	1.74	0.28	0.09	2.22	61.8	10.8	95	12.05	85.1	3.41
S036960		11.00	0.56	6.01	234	410	1.83	0.27	0.12	1.48	64.6	11.3	96	12.05	84.4	2.88

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 4- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16150618

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
S036925		6.37	0.10	1.3	1.305	0.026	0.94	18.3	6.2	1.76	189	4.76	0.03	5.2	59.0	1590
S036926		10.20	0.14	1.8	1.940	0.042	1.52	25.9	9.8	0.50	108	7.50	0.03	7.4	92.8	1500
S036927		12.25	0.15	2.1	4.95	0.020	1.60	27.3	10.6	0.45	142	10.50	0.02	7.8	75.1	960
S036928		12.70	0.14	2.3	10.50	0.024	1.75	29.4	10.9	0.39	121	15.10	0.02	8.3	85.2	910
S036929		10.15	0.10	2.0	16.00	0.038	1.88	20.5	11.9	2.72	1230	1.96	0.02	5.9	26.9	490
S036930		0.64	0.06	0.2	1.540	<0.005	0.07	3.2	0.9	2.45	366	16.40	<0.01	0.5	11.0	170
S036931		0.17	0.08	<0.1	0.490	<0.005	0.01	2.7	0.4	0.30	210	0.48	<0.01	0.1	1.9	140
S036932		0.12	0.10	<0.1	0.219	<0.005	0.01	2.0	0.4	0.38	273	0.47	<0.01	<0.1	1.2	150
S036933		0.19	0.11	<0.1	0.460	<0.005	0.01	2.7	0.5	0.57	307	1.03	<0.01	0.1	6.3	140
S036934		0.17	0.12	<0.1	0.333	<0.005	0.01	2.4	0.4	1.61	406	1.01	<0.01	<0.1	4.7	170
S036935		0.21	0.16	<0.1	<0.005	<0.005	0.02	0.5	1.0	13.50	211	0.08	<0.01	0.2	1.3	200
S036936		0.11	0.14	<0.1	0.235	<0.005	<0.01	2.1	0.4	0.97	99	0.24	<0.01	<0.1	2.2	140
S036937		0.10	0.16	<0.1	0.089	<0.005	<0.01	2.2	0.4	1.60	92	0.17	<0.01	<0.1	1.2	110
S036938		0.31	0.15	<0.1	0.127	<0.005	0.03	5.8	0.6	1.38	59	0.46	<0.01	0.1	2.1	160
S036939		18.05	0.26	2.9	0.942	0.048	2.64	37.5	18.7	0.54	23	8.51	0.03	18.9	34.5	1250
S036940		17.90	0.24	2.9	0.993	0.048	2.57	36.9	17.5	0.53	23	8.84	0.03	17.9	34.5	1230
S036941		15.60	0.20	2.6	0.457	0.079	2.49	32.5	16.0	0.45	23	5.10	0.03	17.8	40.3	1860
S036942		18.30	0.16	3.0	0.319	0.076	2.60	37.0	21.4	0.46	24	5.05	0.03	20.3	64.1	1660
S036943		0.24	0.15	<0.1	0.007	<0.005	0.03	0.7	1.1	12.90	204	0.18	0.01	0.2	1.5	190
S036944		16.85	0.17	2.9	0.421	0.075	2.57	36.0	18.1	0.45	23	4.97	0.03	18.2	78.2	1470
S036945		17.20	0.14	3.0	0.441	0.058	2.68	36.5	17.7	0.54	60	5.38	0.03	18.6	72.0	1000
S036946		16.60	0.17	2.9	0.572	0.057	2.54	34.6	13.0	0.75	139	4.67	0.03	17.7	70.0	980
S036947		16.80	0.17	2.9	0.536	0.064	2.58	34.5	13.9	0.79	149	3.85	0.03	17.7	62.4	1000
S036948		17.85	0.15	3.0	0.363	0.063	2.58	36.3	15.1	0.46	61	3.80	0.03	17.8	66.6	880
S036949		17.20	0.17	2.9	0.808	0.056	2.58	34.5	14.7	0.41	29	3.50	0.03	17.4	59.3	840
S036950		13.75	0.13	2.4	1.485	0.048	2.04	23.3	14.4	0.32	30	5.22	0.03	14.6	71.5	1120
S036951		11.15	0.14	1.9	1.445	0.035	1.60	17.8	11.2	0.25	31	7.53	0.02	11.0	89.9	770
S036952		9.32	0.10	1.9	3.49	0.033	1.68	18.8	9.4	1.38	1150	1.54	0.02	6.4	23.6	370
S036953		17.10	0.16	2.9	0.363	0.061	2.58	35.9	13.8	0.40	29	4.20	0.03	18.5	62.0	1170
S036954		17.20	0.17	3.1	0.381	0.059	2.59	36.4	14.3	0.41	23	4.91	0.03	19.1	60.7	1170
S036955		17.05	0.14	3.1	0.815	0.061	2.44	33.7	16.4	0.40	21	5.25	0.03	19.4	61.7	1120
S036956		18.15	0.15	3.2	0.553	0.060	2.57	38.1	16.4	0.41	21	4.71	0.03	19.3	60.2	870
S036957		14.80	0.15	2.6	1.605	0.048	2.11	29.4	11.5	0.29	27	5.40	0.02	15.2	74.9	950
S036958		16.20	0.18	2.7	1.365	0.051	2.36	32.9	10.6	0.30	20	4.61	0.02	16.2	73.0	1180
S036959		17.05	0.17	2.8	1.550	0.060	2.47	31.8	13.7	0.36	20	4.37	0.03	17.0	57.1	850
S036960		17.40	0.14	2.9	0.955	0.053	2.46	34.0	15.8	0.37	21	4.60	0.03	18.2	59.2	950

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 4- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16150618

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
S036925		12.6	41.4	0.011	2.07	2.77	6.0	7	0.8	713	0.32	0.05	3.58	0.149	3.59	5.0
S036926		21.3	68.7	0.017	3.23	7.69	8.5	13	1.2	325	0.48	0.10	5.23	0.245	5.97	6.3
S036927		380	69.5	0.017	2.57	32.2	11.1	9	1.5	167.0	0.50	0.12	5.62	0.250	4.69	6.6
S036928		814	73.2	0.020	2.26	53.4	11.5	10	2.2	178.0	0.52	0.14	6.29	0.269	6.20	6.5
S036929		12.3	82.0	<0.002	2.70	23.2	10.2	1	1.5	333	0.42	0.05	5.85	0.278	45.7	6.8
S036930		45.2	2.6	0.032	0.11	3.44	11.1	2	0.3	359	<0.05	<0.05	0.35	0.012	1.20	7.1
S036931		5.5	0.5	0.004	0.04	0.75	0.9	1	<0.2	260	<0.05	<0.05	0.07	<0.005	0.41	4.2
S036932		4.3	0.3	0.002	0.02	0.56	0.5	1	<0.2	266	<0.05	<0.05	0.05	<0.005	0.39	4.0
S036933		5.9	0.6	0.009	0.03	0.62	0.5	1	<0.2	314	<0.05	<0.05	0.08	<0.005	0.71	4.5
S036934		2.2	0.4	0.013	0.02	0.48	0.6	1	<0.2	254	<0.05	<0.05	0.09	<0.005	0.94	4.7
S036935		1.2	1.0	<0.002	<0.01	0.10	0.2	<1	<0.2	52.2	<0.05	<0.05	0.07	<0.005	0.02	1.1
S036936		8.7	0.2	0.003	<0.01	2.90	0.6	1	<0.2	316	<0.05	<0.05	0.04	<0.005	0.26	3.5
S036937		43.1	0.2	<0.002	0.01	3.91	0.7	1	<0.2	256	<0.05	<0.05	0.04	<0.005	0.54	3.3
S036938		3.9	1.2	<0.002	0.05	2.83	0.5	1	<0.2	314	<0.05	<0.05	0.16	<0.005	0.26	4.3
S036939		20.2	132.0	0.016	0.14	6.04	9.8	7	1.9	391	1.08	0.11	11.45	0.393	4.29	5.2
S036940		17.0	130.5	0.016	0.14	5.99	9.8	6	1.9	391	1.05	0.14	11.40	0.382	4.20	5.3
S036941		15.1	117.5	0.012	0.72	4.73	12.2	6	1.8	366	1.02	0.09	10.20	0.374	3.84	7.0
S036942		17.5	133.5	0.003	1.52	3.90	14.4	9	2.0	232	1.25	0.10	11.00	0.384	3.76	10.6
S036943		1.4	1.5	<0.002	<0.01	0.07	0.2	1	<0.2	49.6	<0.05	<0.05	0.12	<0.005	0.02	0.5
S036944		16.9	128.0	0.004	2.40	4.39	12.3	5	2.0	185.0	1.12	0.10	10.75	0.363	4.79	8.1
S036945		20.6	130.5	0.006	2.17	5.21	12.5	6	1.9	149.5	1.18	0.06	10.65	0.374	3.29	4.8
S036946		23.6	121.0	0.003	1.83	5.25	12.1	5	1.9	168.0	1.09	0.06	10.20	0.350	6.18	4.7
S036947		20.9	123.5	0.006	1.44	4.41	12.0	4	1.9	187.0	1.10	0.12	10.40	0.357	5.11	4.8
S036948		15.5	129.5	0.004	0.95	3.86	11.1	5	1.9	250	1.11	0.14	10.80	0.350	1.94	4.7
S036949		28.5	126.0	0.003	1.44	4.56	10.7	5	1.9	226	1.10	0.11	10.45	0.355	4.94	4.4
S036950		20.4	96.8	0.003	4.61	6.39	8.6	6	1.6	344	0.89	0.10	7.34	0.303	10.35	4.5
S036951		34.1	75.7	0.004	5.56	8.65	6.9	8	1.2	217	0.67	0.08	5.37	0.234	8.57	3.3
S036952		9.0	75.9	<0.002	2.47	8.99	9.2	1	1.4	711	0.43	0.06	5.96	0.254	10.55	2.5
S036953		18.1	121.0	0.004	1.17	3.89	10.3	5	1.9	379	1.15	0.10	10.60	0.370	1.37	5.0
S036954		16.0	123.0	0.005	1.53	3.90	10.8	5	1.9	360	1.16	0.11	10.70	0.382	2.39	5.5
S036955		18.8	116.5	0.005	2.41	3.83	10.1	6	1.9	369	1.18	0.12	10.55	0.387	5.07	5.6
S036956		17.6	125.0	0.004	2.12	3.43	10.1	5	2.0	264	1.20	0.11	11.05	0.388	3.29	5.5
S036957		21.9	97.8	0.003	2.21	7.07	8.6	7	1.7	181.0	0.97	0.08	8.74	0.309	3.07	5.0
S036958		29.9	106.0	0.004	1.97	7.56	8.9	6	1.9	184.5	1.01	0.11	9.72	0.330	3.85	5.7
S036959		16.6	116.0	0.003	3.30	4.19	9.6	5	1.9	198.5	1.06	0.13	9.67	0.355	4.08	5.4
S036960		16.0	116.5	0.005	2.69	3.16	9.3	5	1.9	219	1.15	0.12	10.20	0.366	3.23	5.5

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 4- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16150618

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- AA26 Au ppm 0.01
S036925		165	1.4	23.6	213	55.7	<0.01
S036926		247	2.8	30.3	312	68.2	0.01
S036927		228	7.0	24.8	1180	82.1	0.02
S036928		259	8.9	25.5	2480	86.1	0.04
S036929		87	7.5	18.4	53	71.1	2.53
S036930		60	1.3	23.4	224	8.1	0.01
S036931		20	0.2	7.9	72	1.3	0.02
S036932		13	0.2	6.9	18	0.8	0.03
S036933		13	0.3	6.5	55	1.2	0.03
S036934		10	0.2	6.0	17	0.9	0.04
S036935		2	0.1	0.8	18	<0.5	<0.01
S036936		10	0.2	5.9	38	0.6	<0.01
S036937		10	0.1	6.5	28	0.6	<0.01
S036938		13	0.2	7.8	33	1.4	<0.01
S036939		409	2.6	20.6	102	117.0	<0.01
S036940		400	2.5	20.0	103	113.5	<0.01
S036941		421	2.7	20.8	122	103.5	0.01
S036942		411	1.9	25.7	177	115.5	0.01
S036943		4	0.1	0.9	18	0.7	<0.01
S036944		371	2.2	29.3	280	111.0	0.01
S036945		377	1.9	31.2	362	113.0	0.01
S036946		357	3.5	29.9	301	115.0	0.01
S036947		358	3.7	30.3	311	109.5	0.01
S036948		369	3.4	24.3	336	114.0	0.01
S036949		348	3.3	21.2	310	111.5	0.01
S036950		308	3.1	21.8	292	94.5	0.01
S036951		257	2.5	14.5	220	72.5	0.01
S036952		72	5.3	16.2	48	64.5	0.50
S036953		359	3.4	19.1	297	114.0	0.01
S036954		372	3.8	19.7	295	117.0	0.01
S036955		376	4.0	24.4	339	118.5	0.01
S036956		386	4.2	24.3	331	121.0	0.01
S036957		327	5.4	20.3	280	99.8	0.05
S036958		340	7.0	23.3	268	105.0	0.08
S036959		352	5.0	24.1	299	109.0	0.01
S036960		364	5.1	26.7	311	113.5	0.01

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Nadaleen

Finalized Date: 4- OCT- 2016
Account: RCM

CERTIFICATE OF ANALYSIS VA16150618

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA26	CRU- 31	CRU- QC	Hg- MS42
LOG- 21	LOG- 21d	LOG- 23	ME- MS61
PUL- 31	PUL- 31d	PUL- QC	SPL- 21
SPL- 21d	WEI- 21		

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2016
Account: RCM

CERTIFICATE WH16149285

Project: Nadaleen

P.O. No.: N16- 011

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 6- SEP- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
LOG- 23	Pulp Login - Rcvd with Barcode
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% < 75 um

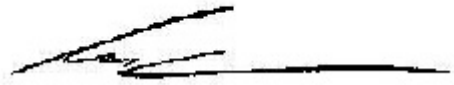
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16149285

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S036961		6.98	0.65	5.96	1025	120	1.49	0.27	0.15	1.37	62.9	10.9	98	9.54	86.3	2.65
S036962		7.74	0.58	6.33	295	260	1.77	0.29	0.18	1.56	67.4	10.4	97	11.50	90.9	2.41
S036963		8.84	0.58	6.32	296	200	1.83	0.28	0.18	1.55	67.7	10.3	101	10.75	92.5	2.53
S036964		11.16	0.57	5.74	458	80	1.48	0.26	0.15	1.43	57.1	10.6	94	9.89	81.3	5.16
S036965		10.64	0.53	6.14	405	120	1.59	0.28	0.14	1.58	65.8	11.0	92	10.15	80.6	3.02
S036966		9.94	0.61	5.76	838	80	1.44	0.27	0.15	1.47	57.9	11.0	96	9.66	78.5	6.45
S036967		0.28	0.18	3.72	6100	200	0.89	0.13	12.00	0.14	39.5	11.4	44	9.82	35.0	2.83
S036968		11.82	0.77	5.62	778	110	1.26	0.27	0.13	1.29	59.4	10.9	96	8.93	81.3	6.03
S036969		10.62	0.61	6.08	593	100	1.37	0.27	0.08	1.51	65.2	11.5	97	10.85	82.4	3.71
S036970		6.20	0.70	5.97	881	130	1.15	0.28	0.05	1.92	70.6	12.6	100	12.75	183.5	2.97
S036971		6.58	0.61	5.63	575	820	0.98	0.27	0.06	0.02	72.4	0.7	82	11.80	7.7	2.56
S036972		4.66	0.65	5.58	3660	1790	1.53	0.25	0.13	1.31	68.6	1.2	100	8.29	74.5	8.20
S036973		4.60	0.57	2.56	1255	860	0.69	0.11	21.8	1.55	31.0	1.3	42	3.37	38.7	2.35
S036974		5.84	1.46	5.54	2020	1810	1.23	0.23	0.17	0.90	68.4	1.4	96	7.32	50.1	4.18
S036975		6.18	0.93	1.87	1140	1410	0.71	0.06	27.2	1.40	22.1	4.8	25	13.60	26.2	1.63
S036976		3.34	0.43	0.61	219	430	0.71	0.03	31.7	2.12	6.54	1.8	7	1.01	4.6	0.46
S036977		6.26	0.37	0.68	221	980	0.70	0.03	33.5	2.43	7.04	1.9	7	1.28	4.8	0.43
S036978		2.50	1.34	1.51	485	3780	1.00	0.07	31.8	10.00	17.55	8.6	19	7.45	7.5	0.97
S036979		7.36	0.12	0.18	81.7	720	0.40	0.01	38.4	1.12	2.17	0.9	3	0.37	2.3	0.14
S036980		11.42	0.10	0.53	33.9	160	0.41	0.02	28.6	0.59	5.52	0.9	7	0.76	3.2	0.28
S036981		0.28	0.10	3.57	2550	200	1.06	0.14	18.65	0.12	38.9	10.9	43	10.70	42.8	3.00
S036982		10.88	0.19	0.69	49.5	220	0.45	0.03	24.6	1.20	7.62	1.1	8	0.91	3.1	0.39
S036983		11.00	2.79	0.28	202	130	0.31	0.02	30.5	43.5	2.98	0.7	4	0.38	5.1	0.31
S036984		11.30	0.07	0.22	19.7	140	0.39	0.02	35.4	0.24	3.70	0.6	4	0.30	1.5	0.12
S036985		10.86	0.08	0.17	26.5	110	0.43	0.01	35.4	0.71	2.00	0.7	2	0.26	2.0	0.11
S036986		11.02	0.23	0.55	36.0	220	0.56	0.02	33.5	2.19	5.90	1.4	6	0.96	2.9	0.35
S036987		<0.02	0.22	0.58	37.9	230	0.61	0.03	35.8	2.26	6.34	1.5	7	1.02	2.8	0.36
S036988		10.40	0.26	0.28	36.1	120	0.46	0.02	37.7	3.56	3.79	0.8	4	1.00	1.7	0.11
S036989		10.98	0.13	0.12	90.1	90	0.35	0.01	38.7	1.44	1.82	0.5	6	0.18	1.4	0.12
S036990		7.20	0.01	0.06	0.2	30	0.08	0.02	21.3	0.07	1.29	0.8	7	0.11	2.6	0.48
S036991		11.12	0.11	0.21	47.4	210	0.38	0.01	35.8	2.26	2.87	0.5	11	0.35	2.0	0.14
S036992		12.10	0.05	0.14	43.2	120	0.29	0.01	37.9	0.55	2.09	0.5	13	0.20	1.4	0.08
S036993		6.00	0.55	4.65	272	1230	1.41	0.16	9.46	1.42	55.5	8.3	77	9.83	40.0	2.92
S036994		7.08	0.01	0.06	0.9	30	0.05	0.02	21.3	0.06	1.09	0.6	6	0.35	2.7	0.46
S036995		4.60	1.78	5.18	325	2930	1.90	0.19	0.65	2.07	59.7	4.8	119	19.80	45.6	2.23
S036996		0.82	1.23	5.56	76.1	3620	1.79	0.23	0.12	0.43	66.3	2.0	99	21.1	42.7	0.98

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16149285

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
S036961		16.60	0.13	2.7	0.746	0.057	2.44	32.8	12.7	0.36	25	5.91	0.03	19.1	68.1	1200
S036962		18.00	0.15	2.9	0.748	0.066	2.62	38.2	14.4	0.42	23	4.94	0.03	17.4	57.6	1000
S036963		18.10	0.13	2.8	0.687	0.061	2.60	37.8	14.3	0.41	21	4.89	0.03	18.8	58.8	990
S036964		16.30	0.15	2.7	1.105	0.057	2.38	29.4	12.7	0.38	25	5.20	0.03	15.7	59.3	1010
S036965		17.35	0.13	2.8	1.235	0.061	2.45	34.5	14.8	0.40	23	4.68	0.03	17.3	61.4	1060
S036966		16.10	0.14	2.6	1.840	0.058	2.35	29.3	12.2	0.38	24	4.92	0.03	16.9	69.6	1160
S036967		10.05	0.09	1.8	15.25	0.035	1.78	21.4	11.6	2.53	1150	1.91	0.02	5.5	26.2	450
S036968		16.00	0.15	2.6	2.07	0.056	2.23	30.9	11.4	0.34	23	4.95	0.03	15.3	67.0	1100
S036969		17.05	0.17	2.8	1.800	0.057	2.33	34.8	13.8	0.34	23	5.06	0.03	16.9	66.1	1080
S036970		18.15	0.14	2.9	1.980	0.064	2.37	39.4	12.6	0.35	21	5.29	0.03	17.7	62.9	910
S036971		16.60	0.13	2.9	2.18	0.062	2.58	41.1	12.2	0.34	16	5.45	0.03	18.5	15.6	1080
S036972		16.05	0.13	2.4	1.490	0.076	2.18	40.4	12.0	0.31	57	14.40	0.03	14.4	16.6	1650
S036973		6.98	0.09	1.2	1.050	0.028	0.92	20.4	5.4	0.20	117	13.20	0.01	6.4	17.5	880
S036974		16.45	0.11	2.5	3.21	0.053	2.08	42.9	11.6	0.25	21	36.6	0.02	15.1	21.6	1400
S036975		4.82	0.06	0.9	1.980	0.017	0.55	15.9	9.8	0.14	234	13.75	0.01	4.4	70.5	740
S036976		1.58	0.06	0.3	1.270	0.005	0.27	3.3	2.4	3.14	634	1.59	0.01	0.9	19.5	360
S036977		1.70	0.07	0.2	1.075	0.005	0.29	3.7	2.6	2.58	623	1.29	0.01	1.0	17.7	350
S036978		4.27	0.07	0.6	4.75	0.017	0.54	10.9	7.7	0.53	589	0.76	0.01	3.0	42.0	410
S036979		0.52	0.07	0.1	0.309	<0.005	0.08	1.3	0.8	0.25	268	0.25	<0.01	0.3	6.3	60
S036980		1.41	0.08	0.2	0.571	0.005	0.24	2.9	2.7	6.80	242	0.28	0.01	0.9	6.9	90
S036981		9.49	0.10	1.7	3.60	0.037	1.70	19.6	9.2	1.43	1190	1.55	0.02	5.9	25.1	380
S036982		1.85	0.07	0.3	0.457	0.005	0.32	4.2	2.9	9.22	317	0.47	0.01	1.1	6.1	330
S036983		0.74	0.07	0.1	5.10	<0.005	0.12	1.8	1.4	4.62	885	0.19	0.01	0.4	2.2	90
S036984		0.56	0.08	0.1	0.113	<0.005	0.10	3.3	1.0	1.44	200	0.09	0.01	0.3	1.2	90
S036985		0.44	0.06	0.1	0.161	<0.005	0.08	1.2	0.8	0.66	332	0.16	<0.01	0.3	2.0	60
S036986		1.39	0.07	0.2	1.100	0.005	0.25	3.4	2.5	2.18	621	0.40	0.01	0.9	5.3	140
S036987		1.44	0.08	0.2	1.125	0.005	0.27	3.7	2.6	2.21	570	0.39	0.01	0.9	5.6	150
S036988		0.64	0.08	0.1	0.538	<0.005	0.12	2.9	1.0	0.18	99	0.16	<0.01	0.4	2.4	70
S036989		0.34	0.07	<0.1	0.453	<0.005	0.05	1.4	0.6	0.33	238	0.18	<0.01	0.2	2.0	40
S036990		0.21	0.10	<0.1	0.007	<0.005	0.02	0.6	1.0	13.15	204	0.09	0.01	0.2	1.7	190
S036991		0.54	0.08	0.1	0.178	<0.005	0.09	2.5	0.8	0.51	343	0.23	<0.01	0.3	2.9	100
S036992		0.38	0.08	0.1	0.103	<0.005	0.06	1.8	0.6	0.61	159	0.12	<0.01	0.2	1.9	60
S036993		11.75	0.13	2.1	0.459	0.046	1.68	29.8	22.0	1.60	368	3.00	0.31	12.4	36.9	830
S036994		0.18	0.06	<0.1	<0.005	<0.005	0.02	0.5	1.0	13.15	209	0.17	0.01	0.1	1.6	160
S036995		14.45	0.14	2.5	1.245	0.047	2.11	35.2	16.4	0.44	125	6.60	0.14	16.6	50.0	1030
S036996		16.30	0.16	2.6	0.995	0.036	2.33	36.7	14.0	0.41	19	3.92	0.04	18.6	30.8	830

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16149285

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
S036961		15.0	108.0	0.004	2.50	4.35	7.9	6	2.0	257	1.05	0.11	8.16	0.372	3.19	4.8
S036962		14.5	122.0	0.005	2.17	3.16	9.4	5	2.1	224	1.08	0.14	9.11	0.395	2.51	4.4
S036963		14.5	120.0	0.004	2.32	3.05	9.1	5	2.0	208	1.05	0.14	9.05	0.394	2.62	4.6
S036964		15.8	110.5	0.003	5.41	3.77	8.4	6	1.8	214	1.01	0.09	7.44	0.356	5.24	4.2
S036965		14.7	115.5	0.004	2.92	3.14	8.9	4	2.0	299	1.07	0.11	8.58	0.375	4.78	4.3
S036966		20.3	108.5	0.004	6.90	4.51	8.4	6	1.8	299	1.01	0.11	7.55	0.352	8.34	4.6
S036967		10.6	81.9	0.002	2.55	20.7	10.2	2	1.6	317	0.38	<0.05	5.33	0.261	43.8	5.9
S036968		16.9	103.0	0.006	6.48	4.86	8.0	6	1.9	250	0.97	0.10	7.55	0.342	9.04	4.2
S036969		17.1	109.5	0.004	3.74	4.03	8.5	5	1.9	260	1.06	0.14	8.45	0.364	7.43	4.6
S036970		18.0	108.5	0.004	2.74	5.19	8.2	6	2.1	292	1.08	0.10	9.04	0.380	12.90	5.4
S036971		17.6	116.0	0.011	0.75	4.97	7.9	7	2.0	338	1.07	0.12	9.63	0.373	23.2	4.4
S036972		14.8	98.5	0.013	0.22	7.36	8.4	5	1.8	339	0.92	0.15	8.73	0.334	9.00	6.4
S036973		8.7	41.8	0.005	0.06	4.35	5.1	3	0.8	279	0.40	<0.05	3.74	0.149	3.12	6.4
S036974		20.9	91.9	0.159	0.45	9.37	6.6	6	1.9	416	0.91	0.12	8.30	0.319	10.05	7.1
S036975		18.7	29.8	0.002	0.03	5.36	4.2	2	0.6	233	0.27	<0.05	2.47	0.097	1.35	7.9
S036976		51.3	10.3	0.003	0.04	2.45	2.0	2	0.2	169.5	0.06	<0.05	0.91	0.031	1.11	4.1
S036977		41.3	11.6	<0.002	0.04	1.62	2.2	2	0.2	170.0	0.07	<0.05	1.01	0.034	1.34	4.4
S036978		109.5	27.6	0.002	0.17	1.23	3.0	2	0.5	205	0.18	<0.05	2.21	0.075	3.61	2.9
S036979		6.3	2.9	0.002	0.03	0.71	1.7	1	<0.2	136.5	<0.05	<0.05	0.29	0.009	0.83	2.5
S036980		4.2	9.0	0.002	0.09	0.43	1.7	1	0.2	132.5	0.05	<0.05	0.80	0.030	0.36	1.0
S036981		7.8	81.1	<0.002	2.57	8.81	9.1	2	1.3	726	0.41	0.06	5.30	0.263	9.79	2.2
S036982		17.6	12.1	<0.002	0.20	0.76	1.7	1	0.2	156.0	0.07	<0.05	1.00	0.035	1.86	1.3
S036983		787	4.5	<0.002	0.26	14.05	1.2	1	<0.2	156.0	<0.05	<0.05	0.38	0.014	0.78	0.6
S036984		10.8	4.0	<0.002	0.06	0.31	0.9	1	<0.2	163.0	<0.05	<0.05	0.36	0.012	0.20	0.7
S036985		9.6	3.1	<0.002	0.06	0.88	0.6	1	<0.2	145.0	<0.05	<0.05	0.25	0.009	0.35	0.4
S036986		26.2	10.1	0.003	0.19	0.69	1.2	1	0.2	203	0.07	<0.05	0.79	0.028	0.60	0.7
S036987		23.0	10.7	0.003	0.21	0.71	1.3	1	0.3	215	0.08	<0.05	0.85	0.030	0.65	0.8
S036988		40.3	5.1	<0.002	0.08	0.88	1.4	1	<0.2	201	<0.05	<0.05	0.40	0.013	0.30	0.6
S036989		52.9	2.0	<0.002	0.10	3.20	3.0	1	<0.2	124.5	<0.05	<0.05	0.21	0.007	1.90	0.8
S036990		1.2	0.9	<0.002	0.01	0.10	0.2	1	<0.2	49.4	<0.05	<0.05	0.09	<0.005	<0.02	0.7
S036991		16.3	3.5	<0.002	0.03	2.80	3.4	2	<0.2	141.0	<0.05	<0.05	0.31	0.011	0.32	1.0
S036992		5.2	2.4	<0.002	0.02	1.11	0.9	1	<0.2	129.5	<0.05	<0.05	0.21	0.008	0.42	0.5
S036993		19.0	78.7	<0.002	0.11	2.58	8.8	4	1.4	305	0.73	0.05	7.58	0.304	1.08	2.9
S036994		1.1	1.6	<0.002	<0.01	0.09	0.1	1	<0.2	51.3	<0.05	<0.05	0.06	<0.005	0.02	0.4
S036995		26.2	105.5	0.008	0.16	6.35	9.3	5	1.6	176.5	0.96	0.09	8.10	0.328	2.29	4.3
S036996		14.1	121.0	0.031	0.22	5.57	8.2	8	1.8	305	1.04	0.08	9.91	0.356	4.86	5.0

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 6- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16149285

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- AA26 Au ppm 0.01
S036961		413	4.2	26.8	280	105.5	0.01
S036962		410	4.0	30.1	330	113.0	0.01
S036963		412	4.1	31.1	343	110.0	0.01
S036964		393	3.8	28.1	300	101.5	0.01
S036965		396	3.9	25.9	342	108.5	<0.01
S036966		408	4.2	27.7	308	101.5	0.01
S036967		83	7.4	18.0	47	67.1	2.63
S036968		363	4.0	24.4	275	101.0	0.01
S036969		363	4.4	24.4	301	107.0	<0.01
S036970		389	4.4	20.5	198	108.0	0.01
S036971		319	4.7	17.5	25	107.5	0.01
S036972		390	6.4	18.6	198	89.5	0.01
S036973		184	3.8	16.0	124	46.7	0.06
S036974		385	7.1	17.0	131	96.1	0.07
S036975		129	2.8	19.6	456	33.8	0.45
S036976		22	1.3	7.1	228	8.9	0.05
S036977		22	1.2	7.9	200	9.4	0.06
S036978		59	1.8	11.6	876	25.4	0.22
S036979		13	0.4	5.9	71	3.3	0.04
S036980		12	0.8	4.6	155	8.1	0.01
S036981		75	5.1	16.9	49	65.5	0.51
S036982		14	1.0	5.8	258	9.2	0.01
S036983		7	0.7	4.4	5380	4.4	<0.01
S036984		7	0.5	10.5	41	3.3	0.01
S036985		4	0.4	3.4	98	2.6	0.04
S036986		9	1.2	5.7	412	8.3	0.01
S036987		9	1.3	5.8	437	7.9	0.01
S036988		7	0.5	9.6	492	3.8	<0.01
S036989		11	0.3	9.0	200	2.4	<0.01
S036990		2	0.1	0.8	17	<0.5	<0.01
S036991		13	0.5	12.0	64	3.5	0.01
S036992		7	0.2	7.1	39	2.4	<0.01
S036993		200	1.4	22.4	205	81.8	0.03
S036994		2	0.1	0.7	18	<0.5	<0.01
S036995		444	3.3	23.1	239	103.5	0.08
S036996		392	5.0	19.4	77	112.0	0.01

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Nadaleen

Finalized Date: 6- OCT- 2016
Account: RCM

CERTIFICATE OF ANALYSIS WH16149285

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA26	CRU- 31	Hg- MS42	LOG- 21
LOG- 23	ME- MS61	PUL- 31	PUL- QC
SPL- 21	WEI- 21		

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- OCT- 2016
Account: RCM

CERTIFICATE WH16154023

Project: NADALEEN

P.O. No.: N16- 012

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 13- SEP- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
LOG- 23	Pulp Login - Rcvd with Barcode
PUL- 31	Pulverize split to 85% <75 um
LOG- 21d	Sample logging - ClientBarCode Dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

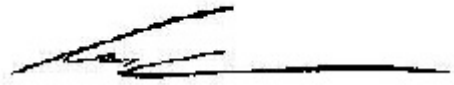
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	ICP- AES

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 11- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16154023

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
S036997		1.00	1.79	4.70	55.8	1820	1.43	0.37	1.13	0.50	64.4	5.1	27	19.40	71.8	1.41
S036998		4.44	0.68	5.40	503	170	1.88	0.30	0.09	0.36	57.9	5.2	44	16.40	149.0	3.24
S036999		5.90	0.72	6.47	289	1520	1.99	0.32	0.09	1.04	74.1	3.6	99	19.30	151.0	1.59
S037000		4.96	0.94	6.44	131.5	610	1.99	0.32	0.09	3.63	71.7	7.6	99	19.55	113.0	1.88
M898501		0.30	0.10	3.58	2530	200	0.96	0.16	18.35	0.12	38.8	11.9	43	9.91	44.9	3.05
M898502		7.78	0.66	6.44	167.0	310	2.32	0.32	0.12	3.66	71.0	9.8	106	21.0	192.5	2.60
M898503		5.72	0.66	6.47	167.5	380	2.35	0.32	0.15	4.75	71.3	12.0	104	19.70	169.0	2.53
M898504		5.70	4.58	6.52	917	320	2.06	0.30	0.16	4.00	72.9	12.8	107	21.3	153.0	2.47
M898505		2.08	1.07	4.99	374	70	1.73	0.26	1.17	2.51	51.1	13.7	77	11.65	92.2	7.65
M898506		6.92	0.02	0.08	4.8	20	0.08	0.05	20.2	0.08	1.39	0.7	1	0.21	3.6	0.48
M898507		9.14	0.82	6.16	443	70	1.71	0.30	0.17	2.43	66.6	13.5	99	15.85	128.0	5.65
M898508		10.72	2.31	6.09	404	370	1.96	0.32	0.23	2.79	70.3	11.8	94	15.50	142.0	2.24
M898509		10.12	0.60	6.02	508	80	1.61	0.30	0.18	2.08	66.6	13.3	97	13.90	119.0	4.17
M898510		10.66	1.49	6.45	555	380	1.80	0.33	0.17	2.28	73.7	13.8	104	14.20	151.0	2.33
M898511		<0.02	1.39	6.28	557	390	1.65	0.31	0.17	2.25	71.9	13.7	103	13.75	149.5	2.34
M898512		10.58	0.87	6.33	671	170	1.83	0.32	0.15	2.01	70.2	13.8	99	13.45	142.5	2.80
M898513		10.28	2.18	6.04	745	320	1.61	0.32	0.07	2.28	68.7	13.6	100	16.80	104.5	2.69
M898514		9.20	1.48	5.64	413	410	1.47	0.30	0.08	0.20	70.9	3.7	92	12.10	88.5	2.25
M898515		5.46	2.24	4.22	1605	2830	1.09	0.20	10.85	3.11	51.3	6.1	64	6.04	64.4	2.95
M898516		6.98	0.01	0.05	1.7	50	0.05	0.05	21.0	0.06	1.16	0.7	1	0.11	2.4	0.49
M898517		11.18	0.15	0.11	107.0	220	0.14	0.02	36.4	0.66	2.76	0.8	5	0.17	2.2	0.20
M898518		0.28	0.26	3.75	>10000	180	0.72	0.21	10.25	0.64	43.6	12.6	47	8.64	56.4	3.01
M898519		7.90	0.05	0.33	84.0	60	0.19	0.04	32.7	0.58	6.30	1.6	4	0.17	2.6	0.32
M898520		8.50	2.44	0.34	325	280	0.42	0.03	35.0	30.5	3.58	2.5	5	1.41	17.0	0.63
M898521		6.32	0.23	0.34	141.5	180	0.30	0.03	33.7	1.58	3.45	0.9	5	0.58	2.6	0.28
M898522		10.64	0.14	0.27	56.6	130	0.25	0.03	30.0	0.74	3.14	0.8	3	0.40	1.8	0.16
M898523		12.08	0.08	0.07	16.5	20	0.11	0.02	24.0	0.98	1.01	0.6	2	0.07	1.5	0.06
M898524		5.14	0.10	0.08	18.4	20	0.13	0.02	24.3	1.03	1.07	0.6	1	0.08	1.9	0.06
M898525		11.50	0.20	0.35	41.4	90	0.27	0.03	27.7	0.95	4.50	0.8	5	0.80	2.2	0.17
M898526		11.38	0.08	0.37	79.6	180	0.33	0.02	35.1	0.38	5.20	0.5	5	0.86	2.3	0.15
M898527		11.06	0.26	0.22	105.5	120	0.33	0.02	34.2	2.38	3.27	0.6	3	0.32	1.6	0.12
M898528		5.80	0.20	0.13	46.0	90	0.20	0.02	34.0	4.05	2.85	0.4	2	0.21	1.4	0.08
M898529		1.04	1.71	5.35	205	2530	2.09	0.23	0.68	0.89	61.5	9.9	99	21.7	122.0	1.87
M898530		0.40	2.36	4.90	227	3150	2.19	0.22	0.38	0.70	59.4	7.8	101	19.30	223	2.03
M898531		1.96	0.64	6.61	261	2210	1.97	0.32	0.16	3.12	73.7	6.7	97	25.8	132.0	2.23
M898532		8.52	0.48	6.21	285	80	2.03	0.30	0.11	1.87	62.5	5.7	92	24.5	240	4.82

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 11- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16154023

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
S036997		15.50	0.20	0.3	0.733	0.062	1.94	33.5	12.8	0.47	166	5.30	0.02	0.3	47.4	830
S036998		16.40	0.23	0.5	0.937	0.063	2.28	28.6	10.9	0.40	22	4.11	0.02	1.0	39.7	1380
S036999		19.20	0.18	3.0	0.386	0.060	2.77	39.9	15.8	0.49	23	4.15	0.03	20.9	33.6	1250
S037000		18.95	0.19	2.8	0.432	0.054	2.78	38.5	15.8	0.49	24	4.17	0.03	19.6	53.6	1000
M898501		9.93	0.11	1.7	3.35	0.036	1.71	19.2	10.0	1.38	1220	1.66	0.02	6.2	26.8	370
M898502		18.65	0.17	2.8	0.443	0.069	2.70	38.2	17.8	0.49	27	5.00	0.03	19.8	67.8	1140
M898503		18.75	0.17	2.8	0.403	0.070	2.78	38.5	17.1	0.49	31	5.02	0.03	19.6	77.7	1060
M898504		18.95	0.19	2.9	0.691	0.101	2.73	38.0	12.4	0.40	24	5.13	0.03	20.0	82.1	1390
M898505		13.95	0.17	2.1	1.635	0.052	1.98	25.6	12.5	0.34	135	5.56	0.06	16.4	80.5	1190
M898506		0.27	0.07	<0.1	0.014	0.006	0.03	0.7	1.0	12.55	206	0.18	<0.01	0.3	2.0	170
M898507		17.95	0.16	2.7	1.125	0.063	2.56	32.2	13.5	0.43	28	5.13	0.03	18.5	69.6	1090
M898508		17.75	0.16	2.7	0.679	0.075	2.60	36.8	12.1	0.42	39	4.81	0.03	19.8	69.3	1280
M898509		17.20	0.17	2.7	1.065	0.060	2.54	33.0	12.8	0.42	23	4.65	0.03	18.9	61.5	1000
M898510		18.60	0.18	2.9	0.913	0.068	2.65	39.1	13.4	0.44	24	5.76	0.03	19.4	72.5	1070
M898511		18.50	0.17	2.9	0.906	0.072	2.58	38.6	13.2	0.42	23	5.86	0.03	19.6	71.8	1040
M898512		18.20	0.15	2.7	2.37	0.062	2.66	35.3	12.3	0.43	22	4.60	0.03	18.7	64.2	980
M898513		18.00	0.18	2.8	4.34	0.068	2.49	36.7	12.8	0.39	20	4.36	0.03	19.1	59.7	770
M898514		17.75	0.16	2.7	17.20	0.062	2.49	38.0	9.9	0.38	16	5.42	0.03	18.6	28.2	1000
M898515		11.75	0.13	1.9	11.80	0.043	1.50	32.1	8.6	0.24	189	20.9	0.05	11.8	78.8	1730
M898516		0.18	0.08	<0.1	0.021	<0.005	0.02	0.5	1.5	12.95	218	0.17	<0.01	0.2	1.8	180
M898517		0.34	0.07	0.1	0.552	<0.005	0.04	3.2	0.5	0.09	298	0.90	<0.01	0.3	6.0	250
M898518		10.65	0.13	1.8	28.4	0.046	1.70	23.7	14.4	0.36	787	3.66	0.02	5.6	28.5	530
M898519		0.88	0.07	0.1	0.682	<0.005	0.09	4.8	2.0	0.11	260	0.28	<0.01	0.4	5.1	60
M898520		0.83	0.05	0.1	10.65	0.005	0.07	3.4	1.6	0.29	296	2.43	<0.01	0.3	29.5	140
M898521		0.97	0.08	0.1	0.498	<0.005	0.14	1.8	1.3	0.60	242	1.38	<0.01	0.6	10.7	110
M898522		0.78	0.09	0.1	0.541	<0.005	0.11	1.6	1.4	4.50	145	0.46	0.01	0.5	5.4	100
M898523		0.21	0.12	<0.1	0.324	<0.005	0.03	0.6	0.6	9.25	58	0.34	0.01	0.1	2.2	50
M898524		0.24	0.13	<0.1	0.288	<0.005	0.03	0.6	0.7	9.26	66	0.35	0.01	0.1	2.4	60
M898525		1.01	0.09	0.1	0.411	<0.005	0.15	2.4	1.6	5.61	74	0.35	0.01	0.6	4.2	150
M898526		0.92	0.11	0.1	0.167	0.006	0.15	3.1	1.5	0.69	67	0.32	0.01	0.7	1.7	120
M898527		0.56	0.10	0.1	0.597	<0.005	0.09	2.2	0.8	1.71	130	0.21	0.01	0.4	1.5	70
M898528		0.37	0.11	<0.1	0.728	<0.005	0.05	2.5	0.7	1.20	197	0.12	0.01	0.2	1.1	50
M898529		14.80	0.17	2.6	1.615	0.050	2.23	34.1	15.1	0.40	75	6.23	0.06	16.8	41.6	730
M898530		13.95	0.16	2.6	1.670	0.049	2.00	33.5	14.0	0.35	57	7.92	0.04	17.0	49.2	780
M898531		18.35	0.15	3.0	0.391	0.057	2.78	38.9	18.0	0.49	150	9.77	0.03	19.3	32.4	1050
M898532		16.90	0.13	2.7	0.319	0.066	2.54	30.2	15.2	0.48	25	4.13	0.03	17.1	40.0	1100

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Finalized Date: 11- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16154023

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
S036997		16.2	99.4	0.016	0.12	1.00	8.2	5	1.4	276	<0.05	0.05	7.71	0.037	4.55	2.1
S036998		18.6	114.0	0.005	2.69	1.10	9.4	6	1.6	332	<0.05	0.06	5.86	0.096	5.80	3.5
S036999		17.3	143.0	0.008	0.65	3.88	11.7	10	2.2	368	1.16	0.15	10.70	0.396	3.44	5.6
S037000		16.5	136.5	0.010	1.14	4.10	12.1	11	2.2	313	1.10	0.13	9.89	0.388	5.06	5.3
M898501		8.5	79.9	0.002	2.55	9.21	9.6	2	1.4	699	0.42	0.05	5.25	0.261	10.40	2.3
M898502		16.7	137.5	0.006	2.07	4.03	14.0	6	2.2	253	1.11	0.13	9.70	0.376	5.09	5.4
M898503		16.3	137.0	0.004	1.99	4.47	13.2	6	2.1	183.5	1.11	0.14	9.94	0.387	3.84	5.0
M898504		48.6	130.0	0.004	2.19	6.17	13.8	7	2.1	206	1.09	0.10	10.25	0.385	3.89	6.1
M898505		26.9	96.3	0.005	7.84	6.18	8.8	7	2.0	258	0.91	0.09	6.88	0.296	10.65	4.1
M898506		1.6	1.3	<0.002	0.01	0.09	0.2	1	0.2	49.6	<0.05	<0.05	0.11	<0.005	0.04	0.6
M898507		17.8	124.0	0.005	5.74	4.52	10.7	5	2.1	248	1.05	0.13	8.92	0.366	6.03	4.7
M898508		26.8	123.5	0.004	1.76	4.32	12.3	6	2.1	191.0	1.12	0.11	9.73	0.367	2.48	4.9
M898509		17.4	121.5	0.006	4.16	3.62	10.1	5	2.0	185.0	1.07	0.11	9.04	0.365	5.30	4.6
M898510		25.5	126.0	0.006	1.98	4.54	10.8	6	2.1	205	1.14	0.13	10.35	0.390	3.44	5.0
M898511		26.6	125.5	0.006	2.01	4.68	10.9	7	2.1	202	1.16	0.13	10.30	0.381	3.50	5.0
M898512		25.5	124.5	0.006	2.57	4.70	11.1	5	2.1	184.0	1.10	0.14	9.75	0.382	6.97	5.2
M898513		29.4	120.5	0.007	2.41	5.82	10.4	5	2.1	223	1.06	0.13	9.51	0.372	7.76	5.0
M898514		27.6	116.5	0.010	1.47	6.47	9.0	5	2.1	356	1.06	0.13	9.47	0.361	44.2	5.4
M898515		52.9	71.5	0.005	0.03	8.57	7.2	3	1.4	498	0.69	0.06	6.27	0.242	5.71	11.6
M898516		1.5	0.9	<0.002	<0.01	0.08	0.2	1	<0.2	49.0	<0.05	<0.05	0.09	<0.005	0.07	0.6
M898517		7.1	1.6	0.002	0.01	0.51	4.3	2	<0.2	105.5	<0.05	<0.05	0.20	0.006	0.17	6.5
M898518		16.5	81.5	0.003	3.49	106.0	9.0	3	1.9	426	0.40	0.14	6.35	0.215	69.2	4.2
M898519		9.8	4.5	<0.002	0.01	0.46	2.8	1	0.2	161.0	<0.05	<0.05	0.54	0.016	0.29	4.6
M898520		574	3.3	<0.002	0.02	11.75	1.8	2	0.2	154.0	<0.05	<0.05	0.34	0.010	0.42	5.0
M898521		20.4	5.2	<0.002	0.01	1.83	1.9	2	0.2	98.3	<0.05	<0.05	0.55	0.019	0.33	2.1
M898522		39.1	4.3	<0.002	0.06	2.03	2.6	1	<0.2	105.5	<0.05	<0.05	0.40	0.014	1.64	1.7
M898523		25.6	1.0	<0.002	<0.01	1.16	0.3	1	<0.2	93.0	<0.05	<0.05	0.11	<0.005	0.06	0.4
M898524		25.6	1.1	<0.002	<0.01	1.34	0.4	1	<0.2	95.2	<0.05	<0.05	0.12	<0.005	0.07	0.5
M898525		36.2	5.9	<0.002	0.07	1.60	1.1	1	0.2	116.5	<0.05	<0.05	0.54	0.019	0.64	0.9
M898526		14.0	5.7	<0.002	0.01	0.92	1.2	1	0.2	146.0	0.05	<0.05	0.67	0.020	0.24	0.8
M898527		42.2	3.4	<0.002	0.03	0.79	0.8	1	<0.2	216	<0.05	<0.05	0.44	0.013	0.34	0.6
M898528		33.2	1.9	<0.002	0.02	1.47	1.8	1	<0.2	135.0	<0.05	<0.05	0.24	0.006	0.52	1.2
M898529		36.1	99.0	0.011	0.17	7.10	10.3	4	1.8	143.5	1.09	0.11	9.46	0.330	3.90	5.3
M898530		25.7	90.0	0.029	0.20	8.37	12.1	5	1.6	174.5	1.12	0.12	9.12	0.319	4.71	6.5
M898531		17.8	124.5	0.009	0.21	7.38	9.7	5	2.2	272	1.29	0.08	12.25	0.395	4.09	7.6
M898532		19.1	116.0	0.005	4.28	4.05	12.4	8	2.0	165.0	1.16	0.07	10.05	0.357	5.55	7.4

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Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	As- OG62	Au- AA26
	Analyte	V	W	Y	Zn	Zr	As	Au
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	1	0.1	0.1	2	0.5	0.001	0.01
S036997		266	1.1	8.5	155	10.1		0.01
S036998		372	1.5	10.2	119	16.0		0.01
S036999		447	3.8	21.7	96	119.0		0.01
S037000		420	3.9	21.7	102	115.0		0.01
M898501		74	5.2	16.3	49	63.1		0.51
M898502		438	2.6	27.7	218	117.0		0.01
M898503		420	3.1	28.4	314	115.0		0.01
M898504		408	6.4	34.9	517	117.0		0.01
M898505		321	4.4	25.5	378	86.6		0.01
M898506		4	0.2	0.9	19	1.0		<0.01
M898507		361	5.1	29.2	278	110.0		0.01
M898508		366	4.9	32.3	356	109.0		0.01
M898509		357	4.8	26.7	284	109.0		0.01
M898510		380	5.8	26.0	269	117.0		0.01
M898511		372	5.9	25.8	266	114.5		0.01
M898512		352	6.6	26.4	258	112.0		0.01
M898513		369	7.4	23.0	278	114.5		0.01
M898514		354	7.2	23.9	62	112.5		0.39
M898515		291	6.1	25.2	451	80.0		0.90
M898516		2	0.1	0.8	18	<0.5		<0.01
M898517		26	0.4	12.3	56	3.2		0.02
M898518		62	8.0	22.2	137	63.6	3.50	8.06
M898519		19	0.2	11.3	38	5.1		0.02
M898520		40	0.7	13.5	2040	3.9		0.18
M898521		16	0.7	5.6	198	5.7		0.05
M898522		12	0.4	6.1	104	4.3		<0.01
M898523		3	0.1	1.9	62	1.3		<0.01
M898524		3	0.1	2.1	76	1.4		<0.01
M898525		7	0.5	3.6	154	6.0		<0.01
M898526		7	0.6	6.1	82	5.5		<0.01
M898527		6	0.5	5.6	327	4.0		<0.01
M898528		7	0.3	8.8	469	2.2		0.01
M898529		431	4.1	26.2	193	104.5		0.07
M898530		456	5.2	32.4	221	106.5		0.05
M898531		397	3.0	25.1	187	116.0		0.01
M898532		363	1.8	22.3	151	104.0		0.01

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16154023

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

As- OG62	Au- AA26	CRU- 31	Hg- MS42
LOG- 21	LOG- 21d	LOG- 23	ME- MS61
ME- OG62	PUL- 31	PUL- 31d	SPL- 21
SPL- 21d	WEI- 21		

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- OCT- 2016
Account: RCM

CERTIFICATE WH16158763

Project: NADALEEN

P.O. No.: N16- 013

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20- SEP- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21d	Sample logging - ClientBarCode Dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

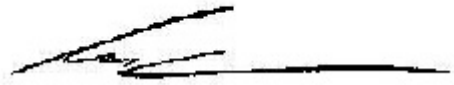
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	ICP- AES

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 17- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16158763

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
M898533		5.58	0.54	6.81	237	470	2.49	0.28	0.11	2.69	66.2	7.5	98	23.9	185.0	2.27
M898534		5.12	1.33	7.05	239	550	2.52	0.30	0.08	5.21	68.9	10.1	97	25.9	239	1.92
M898535		5.36	2.62	6.66	247	750	3.13	0.29	0.16	8.90	66.6	12.7	92	22.5	141.0	1.63
M898536		4.74	2.74	6.60	588	200	3.96	0.28	0.17	4.87	63.5	13.8	97	21.0	161.0	2.77
M898537		1.88	2.63	7.00	474	550	4.52	0.31	0.16	4.52	70.7	14.0	102	23.2	174.5	1.81
M898538		6.22	1.34	6.70	400	520	2.92	0.31	0.23	6.62	68.0	13.1	98	22.0	102.0	1.88
M898539		9.92	0.66	6.44	151.5	350	2.84	0.32	0.29	3.54	67.9	13.5	99	19.95	105.0	2.29
M898540		0.30	0.30	3.76	>10000	180	0.80	0.19	10.10	0.65	41.7	12.6	48	9.26	56.6	2.94
M898541		11.06	0.74	6.07	532	90	2.29	0.29	0.55	1.90	62.6	12.7	94	18.80	84.8	4.53
M898542		9.34	1.92	5.78	1390	150	2.11	0.27	0.85	1.36	64.3	14.8	88	17.50	80.1	3.69
M898543		10.46	0.59	6.01	433	120	2.23	0.29	0.20	1.32	65.2	12.0	92	17.95	81.4	3.28
M898544		10.50	0.62	6.43	213	390	2.39	0.31	0.21	1.43	67.4	11.6	100	18.65	90.4	2.14
M898545		10.38	0.64	6.26	911	240	2.25	0.30	0.22	1.50	65.7	11.9	94	17.85	84.5	2.57
M898546		7.06	0.01	0.06	1.8	30	0.06	0.02	20.9	0.06	1.26	0.7	1	0.19	2.1	0.45
M898547		11.52	0.67	6.63	113.0	1350	2.29	0.31	0.67	1.47	71.5	11.8	98	20.0	89.2	1.68
M898548		10.58	0.61	6.34	1145	170	2.23	0.31	0.26	1.39	64.6	11.5	100	17.70	86.8	3.33
M898549		11.00	0.65	6.50	494	150	2.31	0.31	0.24	1.54	65.8	11.9	102	19.00	87.7	3.51
M898550		0.30	0.10	3.44	2420	190	0.82	0.13	18.10	0.13	36.4	11.1	43	10.25	42.7	2.88
M898551		10.54	0.60	6.45	268	510	2.09	0.30	0.28	1.46	67.0	11.4	97	18.80	82.9	2.12
M898552		10.64	0.63	6.23	451	520	2.19	0.29	0.43	1.53	69.0	11.4	97	18.85	85.1	2.00
M898553		12.00	0.60	6.12	874	240	2.28	0.31	0.30	1.29	65.6	11.4	96	18.05	84.8	2.78
M898554		11.24	0.61	5.66	573	110	2.10	0.27	0.71	1.19	61.2	10.5	86	16.85	76.9	4.31
M898555		10.80	1.38	5.83	473	100	2.11	0.29	0.37	1.39	61.9	11.0	91	17.10	80.0	3.49
M898556		<0.02	1.30	5.89	476	80	2.05	0.28	0.37	1.45	61.0	11.0	91	16.75	80.1	3.58
M898557		10.38	0.63	6.24	481	240	2.27	0.30	0.31	1.24	66.4	11.4	95	17.10	85.4	3.02
M898558		10.74	0.59	6.13	1195	250	2.35	0.30	0.80	1.31	69.7	12.0	90	17.55	85.2	2.87
M898559		10.36	0.74	5.96	635	70	2.21	0.29	0.32	1.35	61.8	11.6	92	15.45	83.2	3.62
M898560		10.30	0.63	6.21	900	210	2.19	0.31	0.23	1.45	66.8	11.1	98	18.05	88.1	2.60
M898561		10.66	0.59	6.16	753	180	2.11	0.30	0.24	1.53	67.6	11.2	97	16.65	82.1	3.19
M898562		10.66	2.76	6.00	1695	140	1.91	0.28	0.27	1.96	66.2	11.2	94	14.15	76.9	3.46
M898563		10.58	1.11	6.25	665	230	1.90	0.28	0.21	1.49	65.4	10.9	97	13.05	81.1	2.94
M898564		10.46	2.08	6.02	660	210	1.79	0.28	0.21	1.63	66.7	11.1	98	18.90	84.5	2.89
M898565		10.74	1.16	6.20	632	230	1.81	0.28	0.22	1.61	67.8	10.8	95	17.65	82.2	2.80
M898566		10.80	4.49	6.29	1280	140	1.65	0.31	0.20	1.81	71.2	11.6	99	12.80	85.5	2.81
M898567		7.00	0.01	0.06	2.8	120	<0.05	0.02	21.3	0.06	1.25	0.7	1	0.20	2.4	0.45
M898568		6.20	3.73	6.12	1510	140	1.60	0.26	0.31	2.33	67.7	12.2	96	9.83	93.0	2.80

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16158763

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M898533		18.10	0.10	2.8	0.389	0.071	2.82	36.0	17.2	0.52	29	3.89	0.04	18.8	56.0	1130
M898534		18.95	0.13	2.9	0.368	0.061	2.89	37.7	16.3	0.51	27	4.31	0.04	18.1	86.8	1060
M898535		18.15	0.21	3.0	0.298	0.063	2.81	35.2	17.4	0.43	24	5.67	0.04	19.7	154.0	1150
M898536		17.35	0.18	2.8	0.380	0.069	2.70	32.9	16.4	0.41	58	5.30	0.03	18.7	186.0	1590
M898537		19.20	0.19	3.1	0.315	0.073	2.85	37.2	19.0	0.43	38	5.26	0.04	20.0	199.5	1680
M898538		18.55	0.18	3.0	0.237	0.065	2.80	36.1	21.2	0.52	62	5.32	0.04	18.9	99.6	1140
M898539		18.80	0.19	3.0	0.459	0.069	2.76	35.9	20.6	0.53	60	5.37	0.04	18.8	81.5	1010
M898540		10.85	0.12	1.8	28.4	0.043	1.77	22.2	16.2	0.36	743	3.64	0.02	6.1	28.2	520
M898541		17.70	0.15	2.8	0.393	0.063	2.68	30.9	14.4	0.58	105	5.03	0.03	18.2	67.2	1010
M898542		16.75	0.16	2.7	0.268	0.053	2.57	33.0	12.8	0.62	187	5.78	0.03	18.4	83.6	1120
M898543		18.10	0.15	2.9	0.355	0.066	2.60	32.8	17.7	0.45	33	4.81	0.03	18.9	61.1	1010
M898544		18.75	0.14	2.9	0.305	0.066	2.81	35.7	17.3	0.49	27	4.73	0.04	18.6	59.8	1010
M898545		18.20	0.15	3.0	0.243	0.063	2.66	34.9	18.8	0.47	45	5.04	0.03	18.5	64.4	1040
M898546		0.24	0.15	<0.1	0.012	0.005	0.03	<0.5	1.0	12.65	194	0.11	<0.01	0.2	1.6	180
M898547		19.05	0.21	3.1	0.194	0.064	2.91	38.0	18.3	0.67	93	5.03	0.04	19.6	63.8	1060
M898548		18.05	0.16	2.8	0.386	0.066	2.70	33.5	17.0	0.49	29	4.65	0.03	17.7	59.8	950
M898549		18.55	0.16	3.0	0.442	0.065	2.79	33.5	16.0	0.49	30	4.84	0.03	18.3	60.7	980
M898550		9.55	0.11	1.7	3.55	0.037	1.66	17.4	8.7	1.36	1110	1.59	0.02	6.3	24.8	370
M898551		17.95	0.15	3.0	0.318	0.060	2.71	35.0	16.6	0.51	53	4.87	0.04	19.0	58.5	1050
M898552		18.20	0.16	3.0	0.300	0.065	2.63	36.7	19.7	0.56	68	4.97	0.04	19.4	61.7	1040
M898553		18.15	0.14	2.9	0.527	0.063	2.60	34.8	19.4	0.51	45	4.28	0.03	18.1	61.7	880
M898554		16.75	0.15	2.8	0.561	0.060	2.47	30.3	15.7	0.63	92	4.71	0.03	18.2	58.5	1060
M898555		17.30	0.15	2.8	0.554	0.062	2.61	31.4	14.3	0.51	42	4.73	0.03	18.4	60.4	990
M898556		17.10	0.14	2.8	0.576	0.060	2.61	30.4	14.6	0.52	42	4.79	0.03	18.3	60.5	1010
M898557		18.35	0.16	2.9	0.636	0.063	2.74	34.7	16.8	0.54	48	4.43	0.03	18.2	59.7	920
M898558		18.85	0.15	3.0	0.387	0.067	2.63	36.2	18.9	0.69	102	5.33	0.03	18.4	65.0	1000
M898559		17.65	0.15	2.9	0.433	0.063	2.55	30.1	16.5	0.52	54	4.90	0.03	18.5	62.5	980
M898560		19.05	0.15	3.0	0.446	0.067	2.57	34.9	19.1	0.47	21	5.30	0.03	19.0	59.9	980
M898561		17.95	0.15	3.0	0.610	0.065	2.65	34.7	14.4	0.45	25	5.39	0.03	19.2	61.0	1050
M898562		17.70	0.15	3.0	1.040	0.066	2.67	34.3	10.5	0.41	27	6.29	0.03	19.7	64.6	1110
M898563		18.20	0.15	2.9	0.803	0.059	2.78	34.4	10.7	0.44	26	5.06	0.03	18.3	57.0	1020
M898564		18.20	0.14	3.0	1.065	0.064	2.58	34.6	13.1	0.42	22	5.72	0.03	18.7	59.7	980
M898565		18.20	0.15	3.0	2.28	0.063	2.63	35.7	12.1	0.43	25	5.23	0.03	19.2	55.5	1090
M898566		18.40	0.15	3.2	3.24	0.060	2.53	37.2	12.2	0.38	28	7.61	0.03	20.6	66.7	1160
M898567		0.23	0.14	<0.1	0.017	<0.005	0.03	<0.5	0.8	12.90	191	0.09	<0.01	0.2	1.6	190
M898568		17.00	0.16	3.0	3.65	0.056	2.44	36.4	10.0	0.38	25	12.80	0.03	19.2	66.2	1160

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Finalized Date: 17- OCT- 2016
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Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16158763

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
M898533		18.0	136.0	0.003	1.61	3.51	13.0	5	2.1	196.5	1.08	0.12	9.97	0.392	3.65	5.5
M898534		18.0	139.5	0.003	1.31	3.58	12.0	4	2.1	263	1.09	0.13	10.55	0.399	3.57	5.6
M898535		27.4	127.5	0.007	1.30	4.51	12.6	5	2.1	143.5	1.21	0.12	10.55	0.389	1.94	6.1
M898536		25.8	120.5	0.007	2.46	5.98	16.2	7	1.9	165.5	1.16	0.13	10.05	0.376	4.00	6.8
M898537		26.4	131.5	0.006	1.41	5.00	17.5	7	2.1	194.5	1.25	0.13	11.60	0.393	2.69	7.3
M898538		18.5	130.0	0.007	1.28	3.93	12.5	6	2.0	267	1.16	0.12	10.70	0.391	1.61	5.7
M898539		18.1	131.0	0.006	1.79	4.04	12.3	5	2.1	148.5	1.18	0.14	10.55	0.388	4.24	4.8
M898540		17.5	80.2	0.003	3.53	104.5	8.6	2	1.8	433	0.41	0.16	6.52	0.220	65.6	4.3
M898541		17.2	124.0	0.005	4.28	4.82	12.2	5	2.0	152.5	1.09	0.12	8.98	0.368	4.37	4.6
M898542		23.1	115.5	0.005	2.84	5.79	11.2	6	1.9	134.0	1.13	0.11	9.33	0.362	2.67	4.4
M898543		17.1	125.0	0.005	3.18	4.13	10.5	5	2.0	111.5	1.13	0.12	9.37	0.372	3.42	4.6
M898544		34.0	133.0	0.005	1.82	4.11	10.9	5	2.0	101.0	1.14	0.16	10.40	0.394	2.19	4.8
M898545		19.5	125.5	0.005	2.20	4.65	10.6	5	2.0	97.7	1.15	0.12	10.00	0.387	1.51	4.7
M898546		1.3	1.3	<0.002	<0.01	0.07	0.2	1	<0.2	46.0	<0.05	<0.05	0.11	<0.005	<0.02	0.6
M898547		20.7	136.5	0.006	0.94	3.75	12.6	6	2.2	97.1	1.20	0.12	11.05	0.408	1.25	4.9
M898548		18.0	125.5	0.006	3.20	4.33	10.6	5	2.0	90.5	1.10	0.12	9.64	0.379	3.70	4.5
M898549		19.4	133.5	0.006	3.40	4.69	11.2	5	2.1	103.0	1.13	0.11	9.52	0.389	3.50	4.4
M898550		8.8	73.2	0.002	2.49	9.26	8.3	2	1.4	684	0.42	0.07	5.18	0.251	10.30	2.3
M898551		18.0	128.0	0.006	1.58	3.93	11.0	5	2.1	111.5	1.17	0.11	10.35	0.401	2.30	4.8
M898552		18.3	129.0	0.005	1.42	4.00	11.8	6	2.1	98.9	1.20	0.12	10.30	0.389	1.65	4.6
M898553		18.0	127.5	0.005	2.46	4.84	11.4	5	2.0	84.4	1.14	0.12	10.15	0.372	3.51	4.5
M898554		17.3	122.0	0.005	4.19	5.36	10.7	5	1.9	117.5	1.10	0.10	9.19	0.356	5.72	4.4
M898555		30.0	126.0	0.005	3.37	6.42	10.8	5	2.0	103.0	1.13	0.10	9.05	0.365	4.65	4.4
M898556		31.5	124.0	0.005	3.48	6.27	10.6	5	2.0	104.5	1.14	0.11	9.06	0.363	4.79	4.4
M898557		18.8	133.0	0.004	2.73	4.96	11.2	5	2.1	98.2	1.13	0.11	9.92	0.381	5.00	4.5
M898558		19.4	131.0	0.006	2.33	4.93	12.2	6	2.1	108.5	1.13	0.12	10.40	0.367	2.70	4.5
M898559		22.2	122.0	0.005	3.46	5.10	10.8	5	2.0	163.0	1.13	0.12	9.24	0.367	3.80	4.3
M898560		18.1	125.0	0.005	2.37	5.07	11.2	5	2.1	94.8	1.16	0.12	10.10	0.375	3.28	4.7
M898561		23.4	122.0	0.004	3.10	5.83	10.6	5	2.1	88.6	1.18	0.10	9.97	0.377	4.27	4.6
M898562		57.6	119.0	0.005	3.45	17.35	9.6	5	2.0	74.9	1.22	0.12	10.15	0.378	4.63	4.8
M898563		22.7	122.0	0.006	2.79	7.99	9.0	5	2.1	104.5	1.15	0.11	9.73	0.381	3.91	4.9
M898564		31.4	118.0	0.005	2.81	9.72	9.4	5	2.1	103.5	1.15	0.13	9.85	0.374	3.69	5.3
M898565		28.4	119.5	0.005	2.70	8.25	8.9	5	2.2	106.0	1.20	0.08	9.96	0.386	7.94	5.7
M898566		102.5	115.0	0.006	2.75	15.80	7.8	6	2.3	156.5	1.28	0.13	10.15	0.401	12.45	5.8
M898567		1.4	1.2	<0.002	<0.01	0.08	0.2	1	<0.2	46.9	<0.05	<0.05	0.07	<0.005	0.03	0.6
M898568		118.5	104.0	0.035	2.46	18.90	6.9	6	2.2	175.5	1.20	0.10	9.60	0.387	12.80	7.0

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16158763

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	As- OG62	Au- AA26
	Analyte	V	W	Y	Zn	Zr	As	Au
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	1	0.1	0.1	2	0.5	0.001	0.01
M898533		385	2.0	25.2	179	113.5		0.01
M898534		381	3.0	26.2	275	115.0		0.01
M898535		406	3.8	35.4	478	113.0		0.01
M898536		408	4.0	46.6	618	106.0		0.01
M898537		425	4.3	51.1	601	115.5		0.01
M898538		401	3.3	32.0	430	113.0		0.01
M898539		400	2.7	31.4	411	113.5		0.01
M898540		63	8.2	21.6	130	63.0	3.36	8.06
M898541		386	2.8	30.9	445	107.0		0.01
M898542		368	3.7	32.1	545	104.0		0.02
M898543		362	3.0	28.0	305	108.0		0.01
M898544		414	3.0	25.8	326	110.5		0.01
M898545		380	3.0	24.5	380	108.5		0.01
M898546		4	0.1	0.8	17	0.6		<0.01
M898547		402	2.8	26.2	339	117.0		0.01
M898548		385	3.4	24.2	281	107.5		0.01
M898549		387	3.5	24.9	334	109.5		0.01
M898550		72	5.2	15.6	47	61.7		0.49
M898551		396	3.3	24.8	353	112.0		0.01
M898552		403	3.0	25.8	331	112.5		0.01
M898553		365	3.0	23.9	284	109.0		0.01
M898554		348	3.3	25.0	241	103.5		0.01
M898555		376	3.7	25.0	276	106.0		0.01
M898556		377	3.6	24.7	281	105.0		0.01
M898557		370	3.2	23.4	279	108.0		0.01
M898558		350	2.7	26.7	269	109.0		<0.01
M898559		359	2.9	23.3	266	107.5		0.01
M898560		372	3.3	24.8	263	112.0		0.01
M898561		378	3.6	25.6	275	112.5		0.01
M898562		386	5.1	25.2	341	112.5		0.08
M898563		387	4.3	24.7	279	110.5		0.02
M898564		403	4.3	25.2	298	113.5		0.01
M898565		400	3.7	25.8	304	113.5		0.01
M898566		405	5.8	27.7	310	120.5		0.06
M898567		4	0.1	0.8	17	0.6		<0.01
M898568		386	5.5	21.9	370	112.5		0.07

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VANCOUVER BC V6B 1L8

Finalized Date: 17- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16158763

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

As- OG62	Au- AA26	CRU- 31	CRU- QC
Hg- MS42	LOG- 21	LOG- 21d	LOG- 23
ME- MS61	ME- OG62	PUL- 31	PUL- 31d
SPL- 21	SPL- 21d	WEI- 21	

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CERTIFICATE WH16158764

Project: NADALEEN

P.O. No.: N16- 014

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20- SEP- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
LOG- 23	Pulp Login - Rcvd with Barcode
PUL- 31	Pulverize split to 85% <75 um
LOG- 21d	Sample logging - ClientBarCode Dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

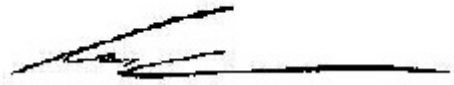
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	ICP- AES

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16158764

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
M898569		7.02	3.87	5.84	2480	70	1.42	0.27	0.30	2.53	62.2	11.6	97	12.05	72.6	4.09
M898570		8.30	2.95	3.84	1255	290	1.13	0.16	15.30	3.21	42.1	7.6	60	8.38	41.9	2.12
M898571		0.30	0.25	3.70	>10000	180	0.73	0.21	9.94	0.59	43.0	13.3	45	8.64	56.4	2.92
M898572		8.60	1.52	2.10	755	2990	0.98	0.10	26.1	1.89	27.9	3.9	35	10.30	26.7	1.21
M898573		6.78	1.30	5.83	879	180	1.64	0.28	0.46	3.15	68.5	20.5	101	23.9	83.1	2.63
M898574		6.88	0.01	0.04	5.4	510	0.07	0.04	20.4	0.07	1.17	1.0	<1	0.14	2.9	0.45
M898575		5.58	1.42	5.74	2420	1130	2.14	0.28	0.52	4.76	70.5	5.4	95	12.45	95.0	4.82
M898576		3.94	0.53	0.44	153.0	280	0.43	0.04	33.4	2.16	6.69	2.4	9	0.90	8.0	0.27
M898577		5.16	0.08	0.13	40.5	150	0.21	0.02	35.5	0.45	2.34	1.0	2	0.16	1.8	0.06
M898578		2.22	0.07	0.15	39.8	160	0.22	0.02	36.4	0.45	2.66	1.1	3	0.18	1.9	0.07
M898579		11.88	0.05	0.06	24.2	120	0.22	0.02	35.7	0.07	1.21	0.9	1	0.08	2.1	0.04
M898580		11.76	0.06	0.13	52.0	180	0.36	0.02	38.2	0.19	1.97	0.9	2	0.17	1.7	0.07
M898581		12.00	0.02	0.10	35.2	130	0.23	0.02	38.5	0.09	1.97	0.9	2	0.18	1.4	0.05
M898582		5.42	0.01	0.12	23.7	130	0.21	0.02	37.1	0.05	2.04	0.9	2	0.18	1.6	0.06
M898583		11.92	0.02	0.22	49.4	220	0.28	0.02	37.1	0.25	3.26	1.2	3	0.41	2.1	0.12
M898584		11.26	0.02	0.17	32.2	160	0.23	0.02	34.1	0.18	2.80	1.7	3	0.30	1.8	0.11
M898585		<0.02	0.02	0.18	31.4	180	0.23	0.02	34.5	0.19	3.14	1.6	3	0.33	1.9	0.10
M898586		8.86	0.05	0.51	79.8	290	0.48	0.04	32.0	0.34	8.77	2.4	6	1.57	2.6	0.27
M898587		4.62	0.17	1.57	149.0	570	0.85	0.06	34.6	1.29	16.25	6.9	18	5.80	8.3	0.61
M898588		6.98	<0.01	0.04	1.1	30	0.07	0.05	21.8	0.08	1.22	0.9	1	0.19	2.6	0.48
M898589		3.30	0.11	0.21	42.1	200	0.53	0.02	34.9	0.43	2.73	3.2	3	0.30	2.1	0.12
M898590		4.50	1.25	6.69	138.0	1920	2.19	0.32	0.26	1.10	77.4	1.9	102	25.8	35.1	2.00
M898591		8.66	0.62	6.31	377	250	2.45	0.32	0.15	1.65	72.6	7.3	101	21.9	185.5	3.73
M898592		5.42	0.71	6.42	141.5	220	2.50	0.30	0.11	5.21	71.7	8.0	102	20.1	176.5	2.85
M898593		4.60	0.66	6.49	168.5	150	2.62	0.29	0.09	11.50	71.2	13.4	100	19.75	139.0	2.90
M898594		8.48	0.50	6.24	74.3	290	2.78	0.29	0.27	7.25	71.4	14.7	93	21.9	104.5	3.06
M898595		7.68	0.65	5.72	68.6	150	2.62	0.27	0.68	3.21	66.0	15.3	84	19.60	82.7	4.04
M898596		0.30	0.16	3.55	5630	200	0.99	0.13	11.60	0.13	39.8	12.4	43	10.05	35.4	2.73
M898597		7.90	0.56	6.07	52.0	120	2.45	0.29	0.50	2.37	68.3	13.7	91	19.55	85.7	3.22
M898598		10.18	0.53	5.96	116.5	110	2.88	0.28	0.52	7.33	66.9	13.8	87	17.80	86.1	3.50
M898599		11.62	0.51	5.63	109.0	140	1.99	0.26	0.71	1.31	60.3	13.4	85	20.3	78.3	4.17
M898600		11.58	0.58	5.79	50.3	640	2.36	0.27	0.51	1.64	67.4	13.9	91	18.55	82.8	2.98
M898601		10.54	0.56	5.74	100.5	360	2.22	0.28	0.33	1.46	67.8	15.9	90	18.85	85.0	3.64
M898602		9.94	0.70	5.68	122.5	210	2.35	0.26	0.62	1.84	65.6	15.6	85	18.70	79.1	5.03
M898603		11.10	0.82	5.90	162.0	870	2.45	0.28	0.62	1.78	69.8	13.7	90	19.70	82.4	2.74
M898604		10.84	0.56	6.12	88.8	180	2.36	0.29	0.40	1.51	66.9	12.5	96	18.00	83.8	2.93

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CERTIFICATE OF ANALYSIS WH16158764

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M898569		16.85	0.14	2.9	8.21	0.058	2.36	32.4	9.2	0.37	26	6.79	0.03	18.4	79.2	1410
M898570		9.63	0.10	1.7	5.48	0.034	1.37	24.6	6.7	0.24	194	9.29	0.02	11.2	56.7	1440
M898571		10.50	0.16	2.1	28.1	0.051	1.75	23.5	14.9	0.35	735	3.62	0.02	6.0	27.4	520
M898572		5.95	0.11	1.2	3.47	0.021	0.76	18.5	6.9	0.16	317	12.15	0.01	6.6	29.0	1580
M898573		17.45	0.16	3.1	6.37	0.062	2.42	39.4	15.3	0.39	20	8.61	0.03	17.7	99.5	1330
M898574		0.21	0.11	<0.1	0.030	<0.005	0.02	0.6	1.2	12.45	196	0.15	0.01	0.2	1.9	180
M898575		17.35	0.15	2.9	7.69	0.070	2.44	41.5	12.7	0.39	26	10.65	0.03	17.5	56.6	1230
M898576		1.32	0.08	0.3	4.30	0.009	0.16	5.4	1.6	0.10	467	6.22	<0.01	1.2	10.2	440
M898577		0.41	0.11	0.1	0.883	<0.005	0.05	1.6	0.7	0.89	188	0.82	<0.01	0.2	3.1	110
M898578		0.48	0.11	0.1	0.711	<0.005	0.06	1.8	0.8	1.05	180	0.74	<0.01	0.3	3.3	110
M898579		0.24	0.14	<0.1	0.150	<0.005	0.02	0.8	0.6	1.81	104	0.16	<0.01	0.1	1.5	30
M898580		0.35	0.09	0.1	0.220	<0.005	0.05	1.4	0.7	0.34	83	0.33	<0.01	0.2	1.9	80
M898581		0.27	0.09	<0.1	0.182	<0.005	0.04	1.8	0.7	0.18	58	0.19	<0.01	0.2	2.3	70
M898582		0.36	0.10	0.1	0.066	<0.005	0.05	1.7	0.8	0.71	32	0.09	<0.01	0.2	1.1	70
M898583		0.63	0.09	0.1	0.108	<0.005	0.09	2.2	1.2	0.63	96	0.47	<0.01	0.4	6.0	110
M898584		0.51	0.12	0.1	0.118	<0.005	0.07	2.4	1.1	3.55	62	0.42	0.01	0.3	6.4	90
M898585		0.55	0.12	0.1	0.113	<0.005	0.08	2.8	1.2	3.56	58	0.43	0.01	0.3	6.3	90
M898586		1.34	0.12	0.3	0.165	<0.005	0.23	5.9	2.6	3.89	68	0.69	0.01	1.0	12.0	260
M898587		3.78	0.10	0.6	0.373	0.010	0.58	9.4	8.7	0.38	240	0.76	0.02	2.5	30.4	350
M898588		0.21	0.14	<0.1	<0.005	<0.005	0.02	0.6	1.2	13.20	208	0.19	<0.01	0.2	1.8	170
M898589		0.55	0.11	0.1	0.464	<0.005	0.08	1.4	1.3	3.13	198	0.24	0.01	0.3	9.9	140
M898590		19.75	0.16	3.3	0.380	0.062	2.92	41.7	18.9	0.53	22	3.46	0.05	18.8	30.9	860
M898591		18.30	0.13	3.2	0.360	0.069	2.66	38.3	19.0	0.49	58	5.06	0.03	18.1	40.5	1380
M898592		18.00	0.17	3.3	0.660	0.068	2.57	37.6	19.7	0.47	22	5.47	0.03	19.3	62.6	1300
M898593		18.15	0.13	3.4	0.649	0.068	2.66	36.4	19.4	0.47	27	6.34	0.03	20.8	108.5	1210
M898594		17.85	0.13	3.2	0.300	0.059	2.66	38.3	20.1	0.56	180	4.89	0.03	19.7	101.5	1050
M898595		16.40	0.14	3.1	0.369	0.055	2.38	34.4	19.1	0.65	220	10.55	0.03	19.2	98.2	1100
M898596		9.65	0.09	2.1	15.50	0.036	1.73	20.5	12.1	2.46	1080	1.75	0.02	6.1	25.1	420
M898597		17.65	0.12	3.3	0.376	0.062	2.50	35.1	20.9	0.59	129	4.64	0.03	19.6	63.8	980
M898598		17.20	0.14	3.2	0.465	0.056	2.36	33.6	22.2	0.58	99	5.22	0.03	20.3	106.5	1180
M898599		15.95	0.13	2.9	0.500	0.049	2.40	30.7	17.4	0.74	219	4.44	0.03	17.8	64.8	1010
M898600		17.10	0.13	3.0	0.225	0.062	2.50	36.6	18.8	0.76	257	4.85	0.03	18.2	71.6	930
M898601		17.30	0.14	3.1	0.262	0.066	2.41	36.4	20.7	0.61	295	4.72	0.03	18.2	83.0	960
M898602		16.00	0.14	2.8	0.299	0.055	2.44	34.3	19.3	0.84	421	5.04	0.03	17.7	84.7	1030
M898603		17.30	0.15	3.2	0.223	0.059	2.57	37.6	19.1	0.74	227	4.96	0.04	19.1	71.3	990
M898604		17.50	0.14	3.2	0.313	0.060	2.50	35.0	23.1	0.60	118	4.73	0.04	18.4	64.9	990

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16158764

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
M898569		79.8	103.5	0.010	4.45	23.4	6.7	6	2.0	186.0	1.12	0.12	8.74	0.366	29.8	7.0
M898570		150.0	57.0	0.017	2.02	17.00	6.1	4	1.2	171.0	0.66	0.09	5.50	0.228	16.35	10.0
M898571		18.0	81.3	<0.002	3.52	106.5	9.3	2	1.8	432	0.41	0.11	7.19	0.211	65.0	4.1
M898572		82.9	36.4	0.005	0.09	9.83	6.3	3	0.8	194.0	0.39	<0.05	3.84	0.128	2.76	11.8
M898573		47.2	119.0	0.028	2.64	8.99	8.9	5	2.0	140.0	1.10	0.08	10.40	0.350	40.2	9.8
M898574		1.5	0.9	<0.002	0.01	0.11	0.1	1	<0.2	56.8	<0.05	<0.05	0.08	<0.005	0.05	0.7
M898575		60.5	114.0	0.002	0.37	11.10	10.5	5	1.9	127.5	1.08	0.12	11.05	0.336	7.01	8.3
M898576		60.6	7.7	<0.002	0.01	2.85	5.8	2	0.2	101.0	0.06	<0.05	0.84	0.024	0.47	7.0
M898577		14.5	2.1	0.002	0.01	0.60	3.7	1	<0.2	154.5	<0.05	<0.05	0.23	0.006	0.22	2.3
M898578		7.8	2.5	0.003	0.01	0.60	2.9	2	<0.2	159.5	<0.05	<0.05	0.26	0.007	0.23	2.1
M898579		18.5	1.0	<0.002	0.01	0.53	1.6	1	<0.2	250	<0.05	<0.05	0.14	<0.005	0.17	1.1
M898580		8.2	2.2	<0.002	0.03	0.47	2.0	2	<0.2	122.5	<0.05	<0.05	0.23	0.007	0.19	0.6
M898581		2.1	1.7	<0.002	0.03	0.26	1.3	1	<0.2	133.0	<0.05	<0.05	0.18	0.005	0.33	0.5
M898582		1.4	2.3	<0.002	0.05	0.13	0.7	1	<0.2	126.5	<0.05	<0.05	0.23	0.006	0.13	0.5
M898583		2.8	4.0	0.002	0.03	0.50	3.6	1	<0.2	144.0	<0.05	<0.05	0.37	0.011	0.26	1.2
M898584		5.9	3.1	<0.002	0.02	0.64	0.9	1	<0.2	125.0	<0.05	<0.05	0.30	0.008	0.32	0.6
M898585		6.1	3.5	0.002	0.02	0.55	0.9	2	<0.2	132.5	<0.05	<0.05	0.32	0.009	0.43	0.7
M898586		3.9	10.8	<0.002	0.01	0.70	1.6	1	0.2	162.0	0.06	<0.05	1.02	0.028	0.34	1.1
M898587		10.4	28.8	<0.002	0.02	0.98	10.8	2	0.5	199.5	0.17	<0.05	1.97	0.069	0.94	2.0
M898588		1.4	1.3	<0.002	<0.01	0.07	0.2	1	<0.2	52.9	<0.05	<0.05	0.05	<0.005	<0.02	0.6
M898589		8.5	3.3	0.004	0.04	0.58	1.2	2	<0.2	131.5	<0.05	<0.05	0.32	0.010	0.43	1.3
M898590		24.8	145.5	0.009	0.36	4.34	11.0	3	2.1	221	1.13	0.12	11.95	0.385	4.35	4.7
M898591		18.1	136.5	0.008	1.87	5.45	13.4	6	2.0	217	1.10	0.11	11.75	0.358	5.02	6.2
M898592		18.6	132.0	0.007	2.07	5.46	13.1	9	2.1	278	1.21	0.11	11.45	0.362	5.59	5.8
M898593		19.0	134.0	0.004	2.58	5.46	12.3	7	2.0	284	1.29	0.10	11.00	0.384	4.36	5.5
M898594		17.2	135.0	0.007	2.01	5.27	13.0	5	2.1	149.5	1.22	0.10	11.55	0.371	2.72	5.0
M898595		24.5	121.5	0.004	3.11	6.71	12.2	6	1.9	152.0	1.16	0.08	9.99	0.350	3.34	4.7
M898596		11.2	80.4	<0.002	2.50	24.3	10.2	1	1.5	301	0.43	<0.05	6.32	0.247	42.9	6.2
M898597		16.8	126.5	0.004	2.66	4.35	12.6	5	2.1	206	1.22	0.10	10.30	0.360	3.07	4.3
M898598		18.6	124.0	0.004	3.20	5.74	13.1	5	2.0	248	1.23	0.08	10.45	0.363	5.00	5.0
M898599		15.2	119.5	0.002	3.05	4.75	12.1	4	1.8	235	1.09	0.07	9.42	0.346	5.26	3.9
M898600		16.9	129.0	0.005	1.01	3.77	13.2	4	1.9	152.0	1.08	0.10	10.90	0.352	1.58	4.1
M898601		17.4	127.0	0.003	1.85	4.04	12.8	4	2.0	111.5	1.11	0.09	10.75	0.347	1.89	4.1
M898602		24.1	123.5	0.003	2.26	4.26	13.1	5	1.8	130.5	1.05	0.08	9.96	0.341	2.54	3.9
M898603		24.0	132.5	0.006	0.99	4.02	13.1	5	2.0	115.0	1.15	0.10	11.00	0.361	1.39	4.2
M898604		18.3	126.0	0.004	2.12	4.39	12.7	5	1.9	177.0	1.14	0.11	10.65	0.366	3.21	4.0

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VANCOUVER BC V6B 1L8

Finalized Date: 17- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16158764

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001	Au- AA26 Au ppm 0.01
M898569		375	5.5	21.0	366	109.5		1.14
M898570		245	4.4	25.4	1100	69.1		0.43
M898571		62	8.5	21.9	131	63.1	3.26	7.92
M898572		156	2.9	21.7	485	43.3		0.26
M898573		383	6.1	20.1	444	104.5		0.06
M898574		3	0.1	0.8	18	<0.5		<0.01
M898575		411	7.0	22.2	523	97.6		0.13
M898576		63	1.2	14.7	138	10.0		0.37
M898577		16	0.3	9.4	55	2.7		0.04
M898578		15	0.3	8.6	71	2.8		0.05
M898579		7	0.2	6.1	20	1.8		<0.01
M898580		8	0.3	7.2	36	2.7		0.01
M898581		6	0.3	6.8	26	1.7		<0.01
M898582		5	0.2	5.7	7	3.3		<0.01
M898583		14	0.3	10.0	62	4.4		<0.01
M898584		6	0.2	7.9	80	2.9		<0.01
M898585		6	0.2	8.9	76	3.2		<0.01
M898586		11	0.5	12.4	114	9.1		<0.01
M898587		55	1.5	25.9	302	22.8		<0.01
M898588		3	0.1	0.9	19	<0.5		<0.01
M898589		13	0.4	4.9	123	3.5		<0.01
M898590		387	2.8	20.7	152	114.5		0.01
M898591		388	2.5	23.7	173	107.5		0.01
M898592		401	4.1	29.0	193	112.0		0.01
M898593		423	3.5	29.3	372	116.5		0.01
M898594		399	2.0	31.7	541	111.5		0.01
M898595		382	2.0	34.5	613	105.0		0.01
M898596		81	7.7	17.6	46	65.0		2.57
M898597		388	2.6	33.7	569	112.0		0.01
M898598		410	2.9	37.8	482	112.5		0.01
M898599		373	2.5	27.4	438	100.0		0.01
M898600		362	2.2	27.4	478	105.0		0.01
M898601		345	2.0	28.2	507	106.5		0.01
M898602		349	2.2	26.7	458	101.5		0.01
M898603		363	2.4	26.4	406	109.5		0.01
M898604		369	2.8	26.3	326	108.0		0.01

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16158764

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

As- OG62	Au- AA26	CRU- 31	Hg- MS42
LOG- 21	LOG- 21d	LOG- 23	ME- MS61
ME- OG62	PUL- 31	PUL- 31d	SPL- 21
SPL- 21d	WEI- 21		

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Finalized Date: 17- OCT- 2016
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CERTIFICATE WH16158766

Project: Nadaleen

P.O. No.: N16- 015

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 20- SEP- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
LOG- 23	Pulp Login - Rcvd with Barcode
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% <75 um
LOG- 21d	Sample logging - ClientBarCode Dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

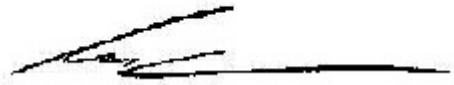
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 17- OCT- 2016
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CERTIFICATE OF ANALYSIS WH16158766

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
M898605		10.04	0.55	5.82	164.5	130	2.02	0.28	0.48	1.39	65.9	12.3	93	16.95	84.3	2.88
M898606		10.36	0.61	6.02	107.5	470	2.44	0.29	0.75	1.59	71.3	12.6	96	18.95	88.3	2.11
M898607		<0.02	0.63	5.96	117.0	340	1.91	0.26	0.73	1.38	62.9	11.4	92	19.40	88.8	2.11
M898608		10.96	0.92	5.71	84.1	850	1.97	0.25	0.80	1.24	61.2	12.9	86	19.55	79.7	3.45
M898609		6.04	0.57	6.19	267	780	2.00	0.26	0.78	1.12	64.9	11.5	91	20.5	84.1	1.79
M898610		9.58	0.71	6.03	444	290	2.03	0.27	0.71	1.15	65.7	11.9	92	21.3	84.4	2.79
M898611		0.32	0.10	3.50	2470	190	0.84	0.13	17.95	0.12	36.0	10.6	41	10.30	40.9	2.89
M898612		11.20	0.64	5.94	191.0	480	1.98	0.25	0.86	1.33	62.8	10.8	90	21.3	81.9	3.47
M898613		9.90	1.12	5.78	612	170	1.71	0.24	0.89	1.30	59.3	10.2	90	18.35	79.4	3.62
M898614		10.68	0.62	5.92	83.1	350	1.95	0.25	1.01	1.41	63.4	12.6	90	20.5	81.1	3.06
M898615		9.90	0.59	6.11	37.5	640	2.12	0.26	0.63	1.29	64.7	11.9	94	23.2	85.4	2.85
M898616		7.96	0.62	6.15	84.0	370	2.16	0.27	0.87	1.36	66.7	13.0	94	21.7	81.0	2.78
M898617		10.82	0.59	5.97	122.0	260	2.10	0.26	1.07	1.50	65.6	11.3	89	22.6	77.2	3.39
M898618		7.06	0.01	0.10	0.4	50	0.07	0.02	21.0	0.07	1.38	0.8	1	0.29	2.0	0.49
M898619		10.50	1.21	6.22	161.0	390	1.94	0.26	1.06	1.32	66.4	11.2	94	20.9	79.1	2.84
M898620		9.94	0.93	6.20	163.0	380	1.88	0.27	1.20	2.41	67.6	10.3	92	19.35	81.5	2.60
M898621		0.30	0.18	3.89	6040	210	0.91	0.14	12.45	0.14	39.3	12.3	45	11.00	36.8	2.90
M898622		10.68	0.72	6.23	233	230	1.99	0.26	0.92	1.73	67.9	11.3	89	21.4	82.8	2.78
M898623		9.78	2.80	6.18	200	280	2.10	0.26	1.35	1.28	66.5	9.9	93	21.6	84.9	3.06
M898624		7.02	0.02	0.08	0.8	30	0.10	0.03	21.1	0.07	1.26	0.8	1	0.34	13.9	0.48
M898625		9.06	0.85	6.20	134.0	120	1.89	0.27	0.81	1.29	61.5	10.2	94	20.8	83.7	3.71
M898626		9.48	1.18	6.01	391	230	1.86	0.26	1.06	1.29	61.9	10.3	88	19.55	81.5	3.28
M898627		11.08	0.70	6.07	72.0	310	2.01	0.26	1.01	1.49	65.4	11.4	96	21.2	86.2	2.37
M898628		9.70	0.79	4.96	238	120	1.64	0.22	0.75	1.20	47.9	9.3	82	16.05	74.3	3.24
M898629		11.92	1.36	5.96	110.5	120	2.07	0.24	1.11	1.61	62.2	9.9	86	21.2	80.5	4.11
M898630		12.76	0.55	6.36	44.0	550	2.28	0.27	0.83	1.20	69.0	11.1	89	23.8	81.3	3.13
M898631		12.38	0.54	6.42	31.9	890	2.28	0.27	1.15	1.34	68.2	10.9	89	25.1	81.2	3.37
M898632		11.28	0.52	6.14	52.1	900	2.12	0.27	1.11	1.38	66.4	9.8	88	24.3	80.7	3.06
M898633		12.02	0.56	5.96	52.3	700	2.18	0.25	1.22	1.68	66.4	11.1	86	22.3	80.7	3.11
M898634		10.70	0.49	5.47	66.2	700	1.99	0.23	1.35	1.39	60.2	9.2	80	21.6	72.3	3.47
M898635		5.04	0.51	5.65	69.2	620	2.09	0.24	1.27	1.53	62.7	9.7	82	22.4	73.7	3.56
M898636		12.06	1.55	5.67	78.7	820	1.99	0.24	1.15	2.13	61.7	9.5	87	20.9	75.1	2.54
M898637		11.18	2.17	5.86	139.0	690	2.09	0.25	1.30	1.50	63.8	9.9	91	20.4	77.8	2.54
M898638		11.90	3.34	5.73	151.0	890	1.95	0.24	1.41	1.43	62.6	9.6	86	23.2	81.7	2.79
M898639		11.22	0.53	5.53	93.6	650	2.02	0.23	1.17	1.39	61.6	9.3	83	21.4	71.2	2.85
M898640		12.32	0.56	5.72	53.5	800	2.13	0.24	1.01	1.56	63.9	9.8	84	22.4	77.1	3.48

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16158766

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M898605		16.90	0.14	3.2	0.413	0.061	2.30	33.9	21.7	0.56	77	4.81	0.03	18.7	60.4	1050
M898606		17.90	0.15	3.3	0.228	0.066	2.49	38.6	21.3	0.68	119	5.45	0.04	20.2	65.0	1070
M898607		16.50	0.15	2.6	0.235	0.056	2.36	34.6	18.4	0.67	116	5.41	0.03	18.1	66.9	1050
M898608		15.70	0.13	2.5	0.191	0.055	2.30	33.5	16.1	0.90	374	4.69	0.03	17.4	81.1	1020
M898609		17.10	0.14	2.7	0.219	0.057	2.62	35.3	16.3	0.68	92	4.23	0.04	18.1	59.3	1010
M898610		17.05	0.14	2.6	0.296	0.058	2.53	35.1	16.6	0.69	119	4.99	0.03	17.6	67.3	950
M898611		9.30	0.08	1.6	3.63	0.033	1.64	18.2	8.3	1.35	1140	1.48	0.02	5.9	23.8	370
M898612		16.10	0.14	2.6	0.313	0.057	2.51	34.2	14.4	0.87	253	5.17	0.03	17.6	72.3	1010
M898613		15.65	0.14	2.4	0.339	0.050	2.47	31.9	10.8	0.63	106	4.27	0.03	16.1	59.7	890
M898614		15.80	0.14	2.6	0.291	0.054	2.41	34.6	16.0	0.85	278	5.23	0.03	18.0	75.8	1130
M898615		16.75	0.15	2.7	0.186	0.060	2.48	36.6	17.8	0.86	225	4.93	0.04	17.9	69.0	980
M898616		16.90	0.14	2.7	0.227	0.059	2.47	36.8	19.1	0.80	240	4.68	0.03	18.9	68.5	1070
M898617		16.45	0.13	2.6	0.263	0.057	2.45	35.6	18.1	0.95	252	5.11	0.03	18.7	67.8	1090
M898618		0.32	0.12	<0.1	0.015	<0.005	0.03	0.7	1.1	13.00	206	0.11	0.01	0.3	2.0	170
M898619		17.00	0.15	2.7	0.287	0.055	2.55	36.3	15.8	0.86	229	4.90	0.03	19.3	64.8	1030
M898620		17.10	0.15	2.8	0.454	0.058	2.48	37.3	16.5	0.81	150	5.71	0.03	19.5	65.6	1110
M898621		10.00	0.09	1.8	14.95	0.034	1.82	20.5	10.8	2.60	1180	1.79	0.02	5.9	25.9	450
M898622		17.35	0.13	2.8	0.341	0.058	2.52	36.7	16.5	0.74	99	5.00	0.03	19.4	62.4	1080
M898623		16.95	0.15	2.8	0.339	0.059	2.68	36.0	12.7	0.84	147	5.93	0.03	19.1	64.9	1110
M898624		0.27	0.11	<0.1	0.015	0.005	0.04	0.6	1.3	13.20	208	0.09	0.01	0.2	1.9	180
M898625		17.25	0.14	2.7	0.363	0.057	2.58	33.0	15.2	0.69	96	5.99	0.03	17.9	64.1	960
M898626		16.40	0.13	2.5	0.346	0.055	2.50	33.3	12.6	0.74	125	5.60	0.03	16.8	59.1	970
M898627		17.00	0.13	2.6	0.247	0.063	2.38	35.0	18.8	0.77	104	5.33	0.04	16.5	63.1	930
M898628		13.80	0.12	2.2	0.338	0.047	1.91	24.8	16.2	0.58	113	4.74	0.03	13.8	60.1	790
M898629		16.15	0.14	2.6	0.387	0.056	2.49	32.7	15.0	0.76	133	5.19	0.03	18.3	60.4	1060
M898630		17.40	0.14	2.7	0.218	0.059	2.62	37.1	18.0	0.95	228	4.90	0.04	18.0	56.7	970
M898631		17.45	0.13	2.6	0.201	0.062	2.66	37.1	19.6	1.12	272	4.81	0.04	18.0	56.5	1010
M898632		16.75	0.15	2.7	0.225	0.058	2.55	36.2	18.3	1.07	238	5.13	0.04	18.5	59.0	1040
M898633		16.55	0.14	2.5	0.230	0.059	2.48	36.3	17.1	1.13	263	5.59	0.03	18.2	63.2	1030
M898634		14.95	0.13	2.4	0.260	0.050	2.31	33.2	14.8	1.21	328	5.56	0.03	16.9	57.3	1030
M898635		15.50	0.13	2.4	0.280	0.057	2.39	34.8	14.7	1.22	323	5.85	0.03	17.4	59.7	1010
M898636		15.40	0.13	2.5	0.485	0.056	2.43	34.4	13.1	0.92	202	5.34	0.03	17.9	59.9	1020
M898637		16.10	0.14	2.6	0.307	0.052	2.56	35.2	10.2	0.92	203	5.42	0.03	18.2	58.7	1040
M898638		15.40	0.13	2.5	0.368	0.052	2.49	34.0	11.0	0.98	233	6.11	0.03	17.4	61.2	1050
M898639		15.20	0.13	2.4	0.340	0.054	2.40	33.8	13.2	0.98	224	5.46	0.03	17.3	56.9	1020
M898640		15.60	0.15	2.4	0.347	0.056	2.35	34.5	16.7	1.11	296	6.57	0.03	17.3	66.1	1040

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16158766

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
M898605		19.4	122.0	0.006	2.50	5.19	12.1	5	2.0	233	1.12	0.10	10.40	0.354	5.33	4.1
M898606		19.1	131.0	0.005	1.42	4.91	13.3	5	2.1	180.5	1.20	0.08	11.20	0.375	2.13	4.4
M898607		18.6	123.0	0.006	1.43	4.15	12.2	6	1.8	173.5	1.07	0.10	9.37	0.366	1.96	4.0
M898608		19.4	120.0	0.006	0.89	4.21	12.2	5	1.7	124.0	1.05	0.08	9.18	0.350	1.09	3.8
M898609		17.2	132.5	0.005	1.06	3.95	12.7	5	1.9	99.5	1.11	0.09	10.10	0.379	1.54	4.1
M898610		22.6	129.5	0.006	1.90	4.98	12.5	5	1.9	112.0	1.04	0.11	9.60	0.363	2.84	3.9
M898611		7.7	77.5	<0.002	2.48	8.91	8.5	2	1.3	689	0.41	<0.05	5.07	0.255	9.65	2.1
M898612		19.6	127.0	0.005	1.64	4.37	12.4	6	1.8	107.0	1.02	0.09	9.14	0.364	1.65	3.8
M898613		30.3	119.0	0.005	3.27	6.35	10.9	6	1.8	122.5	0.94	0.11	8.49	0.346	2.54	3.5
M898614		18.4	123.5	0.003	1.62	4.34	12.5	6	1.8	158.5	1.07	0.10	9.25	0.368	1.70	4.0
M898615		16.2	129.5	0.005	1.02	3.27	12.9	5	1.8	134.5	1.06	0.10	9.65	0.370	1.17	4.0
M898616		14.6	129.0	0.006	1.42	3.68	12.5	5	1.9	93.1	1.09	0.11	9.90	0.379	1.59	4.1
M898617		17.7	127.0	0.006	1.92	4.13	12.6	6	1.8	119.5	1.08	0.09	9.50	0.367	1.67	4.0
M898618		1.2	1.7	<0.002	<0.01	0.07	0.3	1	<0.2	50.5	<0.05	<0.05	0.12	0.006	<0.02	0.6
M898619		23.8	128.0	0.006	1.53	4.33	12.7	5	1.9	152.0	1.11	0.10	9.61	0.387	1.68	4.0
M898620		30.3	128.0	0.005	1.92	5.41	12.3	5	2.0	121.0	1.15	0.09	9.77	0.384	1.96	4.2
M898621		10.1	85.0	<0.002	2.66	23.3	10.7	2	1.5	321	0.41	<0.05	5.69	0.269	44.0	6.3
M898622		30.5	131.0	0.006	2.35	5.33	12.3	5	1.9	89.3	1.14	0.11	9.82	0.383	2.54	4.2
M898623		33.8	133.0	0.007	2.46	7.75	12.7	6	1.9	90.3	1.16	0.09	9.63	0.380	2.42	4.1
M898624		1.1	1.8	<0.002	0.02	0.07	0.2	<1	<0.2	46.6	<0.05	<0.05	0.14	<0.005	0.02	0.9
M898625		17.6	131.5	0.004	3.47	5.46	12.3	5	1.9	112.5	1.04	0.09	8.93	0.368	4.00	3.9
M898626		19.8	127.0	0.004	2.82	7.17	12.1	5	1.9	120.0	1.01	0.10	9.12	0.361	3.85	3.7
M898627		15.5	127.0	0.005	1.70	4.25	12.1	6	1.9	102.0	0.96	0.12	9.22	0.359	2.04	3.9
M898628		15.6	100.5	0.007	2.89	5.86	9.7	5	1.6	128.5	0.81	0.09	7.01	0.291	3.67	3.3
M898629		31.4	124.5	0.006	3.83	6.55	12.1	5	1.8	123.5	1.07	0.08	8.85	0.367	3.62	3.9
M898630		16.2	135.0	0.005	1.21	3.71	13.1	5	1.9	101.0	1.06	0.12	10.20	0.379	1.80	3.8
M898631		15.2	135.0	0.004	0.89	3.74	13.0	6	1.9	101.0	1.06	0.11	10.50	0.382	1.38	3.9
M898632		16.5	130.0	0.005	1.00	4.08	12.6	5	1.9	101.5	1.09	0.10	9.93	0.376	1.48	4.0
M898633		15.9	125.5	0.005	0.99	4.07	12.4	5	1.9	125.0	1.05	0.09	9.86	0.363	1.44	4.0
M898634		16.7	114.5	0.007	1.04	3.95	11.3	5	1.8	97.3	1.01	0.08	8.78	0.340	1.39	3.8
M898635		17.2	121.0	0.005	1.08	4.08	11.9	5	1.8	94.9	1.01	0.10	9.16	0.348	1.46	3.9
M898636		26.3	120.5	0.006	1.10	6.93	11.3	5	1.7	80.0	1.02	0.09	9.20	0.351	1.43	4.0
M898637		41.9	121.5	0.005	1.23	7.54	11.6	5	1.9	98.3	1.07	0.10	9.54	0.363	1.59	4.1
M898638		65.5	117.5	0.005	1.19	10.85	11.5	6	1.8	104.5	1.02	0.09	9.23	0.354	1.45	3.9
M898639		20.5	118.5	0.006	1.16	4.62	11.3	5	1.7	92.3	1.00	0.09	9.06	0.342	1.51	3.8
M898640		16.6	118.0	0.006	1.19	3.94	12.3	5	1.8	96.8	1.02	0.08	9.13	0.351	1.58	4.0

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Finalized Date: 17- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16158766

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- AA26 Au ppm 0.01
M898605		351	4.2	27.9	302	109.0	0.01
M898606		382	3.0	29.0	357	115.0	0.01
M898607		369	2.7	26.3	365	104.0	0.01
M898608		345	2.3	24.3	346	97.5	0.01
M898609		354	2.8	25.0	287	107.0	0.01
M898610		341	2.6	25.5	257	105.5	0.03
M898611		72	5.2	15.6	48	59.0	0.49
M898612		359	2.1	25.0	308	102.5	0.01
M898613		339	2.7	22.9	289	95.7	0.01
M898614		367	2.2	25.6	364	102.0	0.01
M898615		373	1.9	24.1	325	109.0	0.01
M898616		376	2.2	25.6	402	106.5	0.01
M898617		370	2.0	25.1	311	104.0	0.01
M898618		3	0.1	0.8	19	0.9	<0.01
M898619		379	2.7	24.7	297	108.5	0.01
M898620		389	2.7	26.1	468	109.0	0.01
M898621		85	7.4	18.2	51	66.5	2.55
M898622		380	2.8	26.1	342	109.5	0.01
M898623		398	3.4	26.1	264	106.5	0.01
M898624		4	0.1	0.8	18	0.6	<0.01
M898625		371	2.9	25.2	278	108.5	0.01
M898626		356	3.3	22.9	274	98.6	0.01
M898627		350	2.5	25.5	305	102.5	0.01
M898628		308	1.9	20.2	237	85.2	0.01
M898629		360	2.4	25.5	319	102.0	0.01
M898630		336	1.8	24.4	261	106.5	0.03
M898631		348	1.5	25.1	276	105.0	0.01
M898632		374	1.4	24.7	272	106.0	0.01
M898633		373	1.7	24.9	327	102.5	0.01
M898634		351	1.3	24.3	270	97.2	0.01
M898635		359	1.3	24.2	288	97.6	0.01
M898636		361	1.9	23.7	389	99.4	<0.01
M898637		386	2.5	24.1	301	101.5	0.01
M898638		352	3.0	23.4	280	97.9	0.01
M898639		346	1.5	23.5	270	95.8	<0.01
M898640		361	1.5	24.4	302	101.0	0.01

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Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16158766

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG- 23

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA26	CRU- 31	Hg- MS42	LOG- 21
LOG- 21d	ME- MS61	PUL- 31	PUL- 31d
PUL- QC	SPL- 21	SPL- 21d	WEI- 21

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Finalized Date: 17- OCT- 2016
Account: RCM

CERTIFICATE WH16161288

Project: NADALEEN

P.O. No.: N16- 016

This report is for 36 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 23- SEP- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21d	Sample logging - ClientBarCode Dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

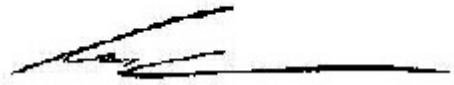
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	ICP- AES

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16161288

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
M898641		10.90	0.53	5.76	48.0	670	1.98	0.24	1.66	1.54	64.0	9.5	88	21.8	78.3	2.91
M898642		11.04	0.53	5.93	48.0	720	2.10	0.25	1.20	1.52	66.3	10.1	90	22.4	80.2	2.40
M898643		12.56	3.04	6.02	472	980	1.82	0.26	1.32	1.89	64.8	9.9	88	18.95	92.3	3.09
M898644		0.30	0.28	3.98	>10000	190	0.56	0.20	10.20	0.65	43.3	11.2	47	8.46	54.4	3.07
M898645		10.78	0.66	6.19	171.5	1080	2.10	0.27	1.37	1.58	70.2	10.3	89	19.65	80.5	2.97
M898646		10.34	0.73	6.09	523	670	1.91	0.26	1.53	1.65	69.1	10.2	88	18.40	79.6	3.14
M898647		<0.02	0.72	5.95	517	590	1.95	0.25	1.52	1.54	67.7	9.9	84	17.75	77.4	3.12
M898648		10.72	0.56	6.11	111.5	1180	2.00	0.26	1.34	1.77	67.3	10.2	86	18.85	76.5	3.21
M898649		12.12	0.47	5.96	74.3	1320	2.04	0.25	2.30	1.48	65.7	9.6	81	21.1	70.0	3.42
M898650		12.36	1.09	5.72	85.6	1190	2.01	0.25	1.19	1.85	65.5	9.2	81	21.2	75.0	3.09
M898651		7.10	0.01	0.06	1.3	30	0.05	0.03	20.5	0.07	1.18	0.6	1	0.29	1.8	0.48
M898652		11.10	0.56	5.96	50.5	640	2.07	0.25	1.27	1.46	69.9	10.0	85	22.5	73.1	3.74
M898653		12.62	0.52	5.91	34.6	1410	2.01	0.26	1.28	1.69	67.1	9.7	82	25.3	72.1	3.47
M898654		10.20	0.52	6.03	36.2	1270	1.86	0.26	1.10	1.59	65.3	10.0	86	23.1	73.6	2.96
M898655		5.02	0.56	6.10	27.1	1270	1.94	0.25	1.10	1.70	67.4	10.2	87	24.6	73.7	2.99
M898656		11.92	0.54	6.02	28.1	1330	2.09	0.24	1.17	1.80	67.6	9.5	86	23.9	80.8	3.00
M898657		11.86	1.78	5.83	74.8	1180	1.95	0.25	1.47	1.83	65.8	9.6	82	21.5	77.3	3.64
M898658		12.14	0.54	6.50	72.7	1330	2.07	0.26	1.09	1.56	71.1	10.8	89	28.9	78.3	2.98
M898659		11.08	0.70	5.87	71.9	1280	1.98	0.25	1.24	1.73	67.8	9.6	85	20.8	80.2	3.56
M898660		9.46	1.94	6.21	90.2	1080	2.08	0.25	1.15	1.69	65.8	9.5	86	19.65	72.8	3.32
M898661		10.66	1.47	5.72	98.0	1170	2.00	0.23	1.41	1.69	65.2	9.6	80	17.80	73.9	3.76
M898662		10.08	2.39	5.75	103.5	1100	2.00	0.25	1.63	3.19	63.9	9.5	87	18.60	72.3	2.64
M898663		7.08	0.02	0.11	0.7	50	0.07	0.04	20.3	0.06	1.31	0.8	1	1.15	2.0	0.49
M898664		9.84	1.07	5.61	85.1	1170	1.89	0.24	1.23	1.78	64.7	9.7	81	18.75	76.1	3.15
M898665		10.50	0.93	5.44	92.9	980	1.94	0.22	1.35	2.27	59.9	9.3	80	17.85	74.8	4.20
M898666		10.50	1.28	5.76	73.9	1120	2.00	0.25	1.45	2.07	63.7	9.3	86	19.45	76.8	3.02
M898667		10.86	0.60	5.92	71.3	1150	2.12	0.26	1.19	1.76	65.6	10.1	88	19.80	77.3	3.12
M898668		9.92	1.17	5.94	276	1000	2.16	0.26	1.37	2.01	65.5	10.3	87	20.1	79.1	2.95
M898669		10.84	1.00	5.93	135.5	1030	2.40	0.25	1.63	2.01	64.5	9.7	85	19.25	75.0	3.15
M898670		0.30	0.08	3.77	2580	210	0.87	0.13	18.85	0.13	37.6	10.4	43	9.49	41.7	3.12
M898671		11.12	0.58	6.04	67.4	1220	2.42	0.25	1.13	1.67	62.3	11.2	88	21.7	79.3	3.26
M898672		11.32	0.54	5.63	89.2	1020	2.20	0.22	1.29	1.67	60.0	10.3	83	19.20	71.9	3.31
M898673		12.20	1.75	5.82	153.0	1000	2.30	0.25	1.39	2.25	60.9	10.8	87	16.35	71.2	2.61
M898674		11.44	0.49	6.24	109.5	950	2.43	0.26	1.05	1.99	63.1	11.5	89	18.95	69.4	2.35
M898675		12.26	0.49	5.91	184.5	1040	2.35	0.23	1.27	2.06	60.1	10.7	87	17.05	69.2	2.85
M898676		10.52	0.48	5.66	61.9	1210	2.19	0.22	1.61	2.33	60.1	10.1	81	15.30	66.0	3.23

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Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16161288

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M898641		15.85	0.14	2.5	0.345	0.057	2.29	35.5	17.3	1.02	261	5.23	0.03	18.7	58.8	1080
M898642		16.35	0.13	2.6	0.323	0.058	2.48	36.1	17.0	0.89	190	4.94	0.03	18.6	58.3	1090
M898643		15.95	0.17	2.7	0.550	0.052	2.68	36.0	8.7	1.00	268	5.96	0.03	15.6	62.7	1060
M898644		10.10	0.15	1.8	28.2	0.041	1.81	24.0	12.4	0.36	799	3.64	0.02	5.2	25.3	550
M898645		16.70	0.18	3.1	0.371	0.065	2.74	38.5	10.0	1.00	256	6.28	0.03	18.0	62.4	1130
M898646		16.95	0.21	3.1	0.471	0.062	2.65	39.1	11.5	0.87	181	7.81	0.03	19.1	66.7	1260
M898647		16.15	0.17	2.9	0.468	0.059	2.60	37.4	10.0	0.86	178	7.51	0.03	18.4	65.7	1260
M898648		16.20	0.21	3.0	0.356	0.057	2.68	37.0	12.7	1.04	272	6.01	0.03	17.6	58.9	1140
M898649		15.60	0.21	2.8	0.292	0.051	2.55	36.4	14.4	1.42	339	5.56	0.04	16.7	53.1	1100
M898650		15.75	0.21	2.9	0.328	0.061	2.49	36.8	14.6	1.04	270	5.68	0.04	17.0	56.2	1100
M898651		0.24	0.19	<0.1	0.015	<0.005	0.03	0.6	1.0	12.65	205	0.10	<0.01	0.2	1.7	180
M898652		15.80	0.22	2.7	0.338	0.055	2.48	38.8	15.8	1.11	263	7.24	0.03	17.0	63.0	1130
M898653		15.80	0.21	2.9	0.236	0.059	2.44	36.9	15.1	1.12	287	6.12	0.04	17.5	56.6	1120
M898654		16.10	0.26	2.8	0.373	0.052	2.51	35.9	14.8	1.01	208	6.31	0.04	16.8	61.2	1060
M898655		16.50	0.23	2.9	0.392	0.062	2.52	36.9	15.4	1.00	213	6.70	0.04	17.3	63.7	1120
M898656		16.55	0.21	3.3	0.314	0.059	2.50	37.6	16.6	1.04	251	5.93	0.04	18.0	54.2	1140
M898657		15.80	0.22	2.9	0.326	0.053	2.49	36.6	13.7	1.15	297	6.36	0.04	17.4	58.3	1190
M898658		17.25	0.20	3.2	0.377	0.053	2.78	38.8	14.4	1.02	211	6.32	0.04	18.1	63.1	1120
M898659		16.35	0.20	3.0	0.424	0.059	2.56	36.8	13.8	1.18	329	5.86	0.03	18.2	55.2	1160
M898660		16.75	0.21	3.1	0.457	0.055	2.71	36.7	11.8	1.06	299	4.90	0.03	16.2	51.0	990
M898661		15.65	0.22	2.9	0.441	0.058	2.51	35.9	11.8	1.21	362	5.71	0.03	17.4	55.6	1160
M898662		15.95	0.23	2.8	0.846	0.053	2.52	35.8	12.4	1.04	232	5.32	0.03	16.8	55.8	1140
M898663		0.37	0.19	<0.1	0.017	<0.005	0.06	0.7	1.9	12.40	213	0.29	0.01	0.4	1.8	190
M898664		15.65	0.30	2.9	0.440	0.058	2.42	36.0	13.7	1.03	262	7.17	0.03	17.1	64.5	1130
M898665		14.45	0.25	2.6	0.539	0.050	2.28	33.6	14.4	1.17	351	6.44	0.03	16.1	63.1	1190
M898666		15.35	0.22	2.9	0.392	0.049	2.46	35.7	14.0	1.11	264	5.74	0.03	17.3	55.9	1180
M898667		16.25	0.26	3.1	0.405	0.054	2.53	36.4	14.2	1.04	259	5.91	0.03	17.3	58.4	1140
M898668		16.20	0.25	3.0	0.481	0.061	2.65	35.9	11.6	0.99	257	5.35	0.03	16.9	58.8	1090
M898669		15.95	0.21	2.9	0.470	0.052	2.62	35.5	12.5	1.09	306	6.55	0.03	16.1	57.9	1030
M898670		9.09	0.13	1.7	3.59	0.030	1.77	17.6	8.2	1.43	1240	1.59	0.02	5.4	23.2	400
M898671		17.45	0.16	2.9	0.415	0.057	2.66	34.1	17.0	1.12	253	6.19	0.04	18.6	61.6	1060
M898672		15.95	0.15	2.8	0.319	0.052	2.34	32.2	16.9	1.12	275	6.44	0.03	19.0	60.2	1190
M898673		16.70	0.16	2.8	0.546	0.058	2.51	32.6	13.5	0.89	181	7.69	0.03	18.6	60.7	1040
M898674		18.05	0.16	2.9	0.462	0.059	2.73	33.6	12.3	0.76	120	12.55	0.04	18.7	70.9	980
M898675		16.70	0.15	2.7	0.603	0.055	2.49	32.7	14.9	0.91	197	11.35	0.03	18.8	67.1	1080
M898676		15.70	0.16	2.7	0.406	0.053	2.34	32.2	14.6	1.16	310	6.03	0.03	19.6	55.5	1230

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Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
M898641		14.3	114.0	0.004	1.07	4.09	12.0	5	1.8	161.5	1.09	0.10	9.34	0.367	1.63	4.0
M898642		15.9	123.5	0.006	1.04	4.42	11.7	5	1.8	101.0	1.11	0.08	9.97	0.367	1.61	4.2
M898643		142.5	119.0	0.005	1.29	30.2	10.8	6	1.8	84.0	1.02	0.09	9.30	0.363	1.54	4.0
M898644		16.9	79.4	0.002	3.70	109.5	7.8	2	1.9	459	0.38	0.12	6.67	0.230	68.2	4.2
M898645		24.5	124.0	0.006	1.25	4.88	11.3	6	1.9	114.0	1.11	0.08	10.15	0.387	1.81	4.4
M898646		20.5	120.0	0.005	2.36	8.69	10.6	6	1.9	123.0	1.25	0.07	10.15	0.393	4.29	4.8
M898647		20.9	115.5	0.002	2.36	8.75	10.2	6	1.9	122.5	1.13	0.08	9.51	0.381	4.24	4.5
M898648		22.2	120.0	0.005	1.36	6.40	10.5	6	1.9	109.0	1.13	0.10	9.83	0.389	1.81	4.5
M898649		16.5	117.0	0.005	1.20	4.40	10.2	4	1.9	134.5	1.07	0.08	9.51	0.375	1.44	4.2
M898650		31.8	117.5	0.006	1.12	6.83	10.5	5	1.8	94.6	1.12	0.10	9.40	0.363	1.49	4.4
M898651		1.4	1.3	<0.002	<0.01	0.12	0.2	1	<0.2	49.1	<0.05	<0.05	0.19	<0.005	0.02	0.9
M898652		21.8	115.5	0.005	1.92	5.35	10.5	5	1.9	103.5	1.09	0.06	9.28	0.374	2.11	4.1
M898653		18.9	117.0	0.006	1.22	4.31	10.7	5	1.9	85.3	1.09	0.07	9.85	0.377	1.77	4.4
M898654		19.6	118.5	0.003	1.34	4.75	10.2	5	2.0	100.5	1.06	0.10	9.59	0.380	1.69	4.1
M898655		20.3	121.0	0.007	1.33	4.76	10.6	6	2.0	102.5	1.13	0.08	9.88	0.390	1.81	4.4
M898656		14.9	121.0	0.005	0.99	3.88	10.7	5	1.9	97.1	1.15	0.09	10.00	0.378	1.52	4.6
M898657		41.7	116.5	0.006	1.45	7.02	10.9	5	1.9	101.0	1.09	0.10	9.28	0.368	1.47	4.3
M898658		22.2	130.0	0.005	1.30	5.94	11.1	6	2.0	95.0	1.15	0.05	10.40	0.406	1.66	4.5
M898659		19.1	120.0	0.005	0.94	4.82	11.0	4	1.8	110.0	1.15	0.07	9.65	0.374	1.28	4.5
M898660		59.2	120.5	0.004	1.03	11.00	11.4	5	1.9	99.9	1.05	0.13	9.82	0.374	1.30	4.1
M898661		29.7	114.0	0.004	1.16	7.12	10.8	5	1.8	108.0	1.07	0.08	9.28	0.366	1.36	4.2
M898662		72.2	116.0	0.004	1.16	7.97	10.2	6	1.9	106.5	1.07	0.08	9.25	0.371	1.51	4.1
M898663		1.5	3.9	<0.002	0.01	0.12	0.2	1	0.2	47.6	<0.05	<0.05	0.18	0.005	0.03	0.9
M898664		29.9	115.0	0.007	1.30	6.05	10.5	7	1.9	91.3	1.05	0.08	9.18	0.359	1.44	4.3
M898665		26.6	104.5	0.008	1.87	6.09	9.9	6	1.7	98.2	0.98	0.08	8.44	0.352	1.52	4.2
M898666		29.6	115.0	0.004	1.14	6.41	10.1	5	1.8	107.5	1.10	0.06	9.46	0.378	1.37	4.6
M898667		20.1	118.5	0.008	1.20	5.09	10.7	6	2.0	107.0	1.09	0.11	9.71	0.376	1.43	4.5
M898668		28.6	120.0	0.004	1.17	6.36	10.6	4	2.0	101.0	1.07	0.10	9.68	0.373	1.51	4.2
M898669		33.3	121.5	0.003	1.19	6.29	10.6	5	1.9	103.5	1.03	0.07	9.39	0.360	1.32	4.0
M898670		8.5	74.0	<0.002	2.68	9.14	8.2	1	1.4	755	0.42	0.06	5.28	0.277	10.40	2.2
M898671		18.0	129.0	0.005	1.15	5.03	12.6	6	2.0	116.5	1.08	0.14	9.50	0.372	1.37	4.1
M898672		19.3	113.0	0.005	1.24	4.75	11.6	6	1.9	102.0	1.14	0.12	9.06	0.367	1.23	4.2
M898673		59.2	114.5	0.005	1.52	7.74	11.7	6	2.0	104.5	1.10	0.13	9.32	0.363	1.52	4.1
M898674		33.4	126.0	0.008	1.70	5.74	12.8	6	2.2	81.6	1.16	0.11	9.94	0.387	1.88	4.4
M898675		20.8	112.0	0.009	1.72	5.87	11.8	6	2.0	106.0	1.11	0.13	9.22	0.379	1.92	4.2
M898676		15.5	104.5	0.005	1.32	4.67	11.3	5	1.8	118.5	1.15	0.09	9.04	0.376	1.32	4.1

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CERTIFICATE OF ANALYSIS WH16161288

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	As- OG62	Au- AA26
	Analyte	V	W	Y	Zn	Zr	As	Au
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	1	0.1	0.1	2	0.5	0.001	0.01
M898641		376	1.8	24.9	291	101.5		0.01
M898642		378	1.9	25.3	286	104.0		0.01
M898643		374	4.2	25.0	342	108.5		0.01
M898644		66	8.8	20.4	145	65.4	3.57	7.94
M898645		407	2.6	28.3	284	121.0		0.01
M898646		440	2.8	28.9	270	116.5		<0.01
M898647		429	2.7	27.6	264	111.5		0.01
M898648		403	2.0	26.0	317	113.5		<0.01
M898649		359	1.7	25.4	278	109.0		<0.01
M898650		385	1.9	24.3	313	109.0		0.01
M898651		3	0.1	0.8	20	0.7		<0.01
M898652		360	1.5	26.2	262	104.0		0.01
M898653		371	1.4	26.1	297	110.5		<0.01
M898654		360	1.4	24.8	288	108.0		0.01
M898655		370	1.4	26.2	306	112.5		<0.01
M898656		400	1.6	28.6	291	115.0		0.01
M898657		375	2.0	26.8	316	111.5		0.01
M898658		391	1.7	26.4	297	121.0		0.01
M898659		403	1.5	27.0	284	114.0		0.01
M898660		392	4.0	22.4	290	110.5		0.01
M898661		402	2.2	27.3	290	110.5		0.01
M898662		386	3.5	25.7	550	110.0		0.01
M898663		3	0.1	0.8	19	0.8		<0.01
M898664		390	2.2	27.3	299	109.0		0.01
M898665		394	1.7	26.1	399	104.0		0.01
M898666		401	1.9	26.5	348	110.0		<0.01
M898667		392	1.8	26.5	317	111.5		<0.01
M898668		384	2.6	24.4	346	109.0		0.01
M898669		362	3.1	24.9	339	107.5		<0.01
M898670		77	5.2	15.1	55	61.7		0.50
M898671		381	1.9	24.6	291	110.0		0.01
M898672		372	1.7	26.2	283	108.0		0.01
M898673		361	3.5	24.2	347	107.5		<0.01
M898674		400	2.5	24.4	333	110.5		<0.01
M898675		405	2.1	24.5	346	104.5		<0.01
M898676		366	1.9	24.9	351	106.5		<0.01

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16161288

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

As- OG62	Au- AA26	CRU- 31	CRU- QC
Hg- MS42	LOG- 21	LOG- 21d	LOG- 23
ME- MS61	ME- OG62	PUL- 31	PUL- 31d
PUL- QC	SPL- 21	SPL- 21d	WEI- 21

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CERTIFICATE WH16161290

Project: NADALEEN

P.O. No.: N16- 017

This report is for 22 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 23- SEP- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
LOG- 23	Pulp Login - Rcvd with Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% < 75 um
LOG- 21d	Sample logging - ClientBarCode Dup
SPL- 21d	Split sample - duplicate
PUL- 31d	Pulverize Split - duplicate

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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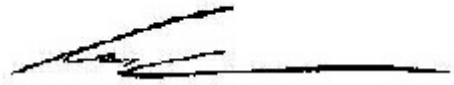
This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS WH16161290

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
M898677		11.16	0.55	5.93	50.9	1110	2.42	0.26	0.92	1.53	61.3	10.7	84	18.15	73.9	2.63
M898678		10.68	0.60	6.35	167.0	1310	2.44	0.27	1.19	1.86	66.9	10.4	91	20.1	81.6	3.36
M898679		0.30	0.19	4.05	6600	210	1.03	0.15	13.05	0.14	40.4	13.1	47	11.05	38.4	3.13
M898680		10.72	0.55	6.51	243	1130	2.72	0.29	0.57	2.40	68.2	11.6	94	23.8	82.3	2.79
M898681		10.10	4.25	6.04	528	780	2.35	0.26	1.12	2.48	64.9	11.9	86	23.2	76.1	4.17
M898682		7.04	0.01	0.06	2.7	30	0.06	0.03	22.2	0.07	1.23	0.8	1	0.18	2.9	0.48
M898683		11.36	2.38	6.10	190.5	1140	2.05	0.23	1.10	3.80	65.5	9.3	88	24.7	71.8	2.92
M898684		10.48	0.67	6.41	461	1330	2.28	0.24	0.42	1.90	67.5	11.0	89	24.9	79.1	3.24
M898685		4.88	0.76	6.39	368	1250	2.47	0.26	0.32	1.10	68.5	12.3	83	24.0	74.5	2.74
M898686		8.12	1.64	6.44	347	1060	2.47	0.24	0.21	1.86	65.2	9.6	86	21.1	67.1	3.28
M898687		6.04	3.06	2.29	328	620	1.03	0.10	10.15	4.58	19.95	2.3	51	6.54	56.4	1.26
M898688		6.96	0.01	0.05	<0.2	80	<0.05	0.02	22.0	0.06	1.17	0.8	1	0.13	2.1	0.46
M898689		6.64	0.09	0.07	29.7	180	0.21	0.01	39.6	1.66	4.31	0.6	4	0.16	2.4	0.07
M898690		11.18	0.18	0.11	50.2	180	0.29	0.01	40.1	1.60	3.27	0.7	5	0.29	1.8	0.10
M898691		<0.02	0.19	0.11	44.3	180	0.31	0.01	39.8	1.66	3.56	0.7	5	0.27	1.8	0.09
M898692		11.18	0.41	0.07	64.5	160	0.28	<0.01	38.9	5.36	2.63	0.6	4	0.18	2.0	0.11
M898693		10.44	0.02	0.01	31.8	170	0.12	<0.01	40.0	0.44	0.77	0.5	2	<0.05	1.2	0.04
M898694		5.36	0.03	0.01	33.8	130	0.26	<0.01	38.8	0.24	2.33	0.6	3	0.06	1.1	0.05
M898695		8.06	0.07	0.02	40.8	150	0.23	<0.01	39.2	0.57	2.64	0.5	3	0.06	1.5	0.06
M898696		4.28	0.05	0.02	37.8	160	0.28	<0.01	39.0	0.46	2.54	0.5	3	0.08	1.4	0.06
M898697		10.68	0.03	0.01	22.0	110	0.28	<0.01	38.3	0.14	2.69	0.5	3	0.05	1.0	0.04
M898698		0.30	0.09	3.56	2530	190	0.95	0.13	18.90	0.12	38.2	11.3	42	10.40	39.9	3.01

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16161290

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
M898677		17.25	0.15	2.8	0.297	0.062	2.50	33.3	16.6	0.95	185	5.92	0.03	18.2	55.4	990
M898678		18.25	0.18	3.0	0.396	0.066	2.74	36.2	17.4	0.97	206	6.48	0.04	20.0	60.3	1190
M898679		10.90	0.13	2.1	14.70	0.036	1.97	20.7	12.7	2.77	1240	2.05	0.02	6.6	27.9	470
M898680		19.00	0.18	3.2	0.357	0.063	2.83	36.6	16.7	0.72	207	6.23	0.04	20.1	62.3	1150
M898681		17.70	0.19	3.0	0.367	0.056	2.65	34.7	14.6	0.84	232	6.94	0.03	20.5	74.4	1170
M898682		0.25	0.14	<0.1	0.015	<0.005	0.03	0.6	1.0	13.70	199	0.06	<0.01	0.2	1.6	190
M898683		16.90	0.18	3.1	0.448	0.055	2.66	35.7	13.3	0.82	150	6.61	0.03	21.1	59.1	1320
M898684		17.75	0.18	3.1	0.351	0.056	2.70	36.8	17.4	0.53	96	6.51	0.03	22.4	59.5	1370
M898685		18.35	0.17	3.2	0.268	0.059	2.76	36.5	13.3	0.47	91	5.69	0.03	21.6	56.8	1240
M898686		18.05	0.18	3.0	0.996	0.057	2.81	35.5	13.5	0.44	99	8.81	0.03	20.2	62.5	1090
M898687		6.97	0.14	1.0	1.655	0.029	0.93	13.9	6.7	0.22	46	17.40	0.02	4.7	44.7	960
M898688		0.23	0.19	<0.1	0.017	<0.005	0.02	0.6	0.9	13.40	203	0.27	<0.01	0.1	1.4	200
M898689		0.33	0.13	<0.1	0.077	<0.005	0.03	7.0	0.6	0.19	57	2.19	<0.01	0.1	2.4	490
M898690		0.39	0.11	0.1	0.195	<0.005	0.05	4.7	0.6	0.19	100	5.71	<0.01	0.2	2.7	1540
M898691		0.37	0.12	<0.1	0.229	<0.005	0.05	5.3	0.6	0.20	103	5.42	<0.01	0.2	2.5	1830
M898692		0.25	0.13	<0.1	1.050	<0.005	0.03	4.0	0.5	0.16	99	4.51	<0.01	0.1	3.1	810
M898693		0.09	0.12	<0.1	0.044	<0.005	<0.01	1.3	0.3	0.13	36	0.42	<0.01	<0.1	1.1	70
M898694		0.12	0.14	<0.1	0.109	<0.005	<0.01	4.0	0.3	0.14	56	0.39	<0.01	<0.1	1.4	190
M898695		0.15	0.16	<0.1	0.062	<0.005	0.01	4.5	0.3	0.15	63	0.71	<0.01	0.1	1.5	310
M898696		0.15	0.14	<0.1	0.057	<0.005	0.01	4.3	0.3	0.15	64	0.55	<0.01	0.1	1.4	270
M898697		0.11	0.15	<0.1	0.045	<0.005	<0.01	4.7	0.3	0.14	104	0.32	<0.01	<0.1	0.6	130
M898698		9.63	0.13	1.8	3.44	0.034	1.72	18.8	9.3	1.40	1150	1.62	0.02	6.5	23.9	370

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16161290

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
M898677		16.9	119.5	0.005	1.06	4.58	12.0	5	2.0	101.0	1.09	0.10	9.75	0.363	1.28	4.1
M898678		20.8	130.5	0.006	0.76	4.93	12.9	6	2.1	107.0	1.22	0.13	10.20	0.398	1.32	4.5
M898679		11.9	85.9	<0.002	2.77	25.7	11.1	2	1.8	329	0.44	0.06	6.16	0.286	46.7	6.8
M898680		20.8	137.5	0.006	1.42	5.96	12.9	6	2.1	75.0	1.19	0.12	10.50	0.403	1.52	4.4
M898681		73.1	122.0	0.005	2.66	12.20	12.5	7	2.0	97.8	1.20	0.09	9.95	0.392	1.57	4.3
M898682		1.4	1.2	<0.002	0.01	0.08	0.2	1	<0.2	49.6	<0.05	<0.05	0.10	<0.005	0.02	0.8
M898683		53.4	120.0	0.005	0.72	8.69	11.6	8	2.0	93.9	1.28	0.13	9.85	0.406	1.34	4.4
M898684		19.1	124.0	<0.002	0.01	6.66	12.2	5	2.3	89.0	1.34	0.12	10.20	0.427	0.90	4.4
M898685		25.0	124.0	<0.002	0.02	6.41	13.3	4	2.2	61.6	1.28	0.12	10.60	0.421	0.89	3.9
M898686		48.6	121.0	0.008	0.23	15.75	13.1	8	2.1	106.0	1.20	0.09	10.00	0.405	1.27	3.8
M898687		62.5	42.8	0.024	0.10	20.0	4.9	12	1.1	197.5	0.29	0.16	3.10	0.130	0.71	7.0
M898688		1.4	0.9	<0.002	<0.01	0.08	0.2	1	<0.2	50.1	<0.05	<0.05	0.10	<0.005	<0.02	0.7
M898689		5.3	1.3	0.005	0.01	0.69	0.5	2	<0.2	251	<0.05	<0.05	0.14	<0.005	0.04	6.8
M898690		7.0	2.3	0.004	0.01	0.90	0.4	2	<0.2	309	<0.05	<0.05	0.20	0.006	0.06	17.1
M898691		7.2	2.1	0.004	0.01	0.83	0.4	2	<0.2	298	<0.05	<0.05	0.20	0.006	0.05	18.6
M898692		8.3	1.3	<0.002	<0.01	0.68	0.5	2	0.2	247	<0.05	<0.05	0.13	<0.005	0.05	9.4
M898693		1.4	0.2	<0.002	<0.01	0.25	0.2	2	<0.2	215	<0.05	<0.05	0.02	<0.005	<0.02	2.7
M898694		2.0	0.3	<0.002	<0.01	0.23	0.3	2	<0.2	199.5	<0.05	<0.05	0.05	<0.005	<0.02	5.4
M898695		4.1	0.5	<0.002	<0.01	0.36	0.3	2	<0.2	196.5	<0.05	<0.05	0.06	<0.005	<0.02	6.8
M898696		3.5	0.4	<0.002	<0.01	0.33	0.4	2	<0.2	204	<0.05	<0.05	0.06	<0.005	<0.02	6.4
M898697		2.1	0.3	<0.002	<0.01	0.24	0.3	2	<0.2	217	<0.05	<0.05	0.05	<0.005	<0.02	5.5
M898698		8.8	77.5	<0.002	2.53	10.05	9.2	2	1.5	690	0.43	0.07	5.55	0.262	10.90	2.3

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Finalized Date: 17- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16161290

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Au- AA26
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	0.01
M898677		349	1.8	23.9	272	109.0	0.01
M898678		411	2.3	27.3	339	117.0	<0.01
M898679		87	8.3	19.0	52	73.8	2.53
M898680		395	2.0	30.7	410	122.5	0.01
M898681		395	3.6	31.2	397	119.0	<0.01
M898682		4	0.1	0.9	17	0.7	<0.01
M898683		419	2.9	28.1	489	117.0	<0.01
M898684		443	1.9	28.2	466	121.5	<0.01
M898685		353	1.8	29.6	341	118.0	<0.01
M898686		435	2.8	30.2	446	117.5	0.01
M898687		824	1.9	18.8	230	39.0	<0.01
M898688		4	0.1	0.9	17	0.5	<0.01
M898689		15	0.3	11.8	28	1.8	<0.01
M898690		15	0.6	8.2	99	2.2	<0.01
M898691		15	0.6	9.1	109	1.7	<0.01
M898692		15	0.5	7.1	542	1.6	<0.01
M898693		6	0.1	2.9	14	0.7	<0.01
M898694		13	0.2	7.7	14	0.8	<0.01
M898695		15	0.3	9.5	23	1.2	<0.01
M898696		14	0.2	9.5	17	1.2	<0.01
M898697		11	0.2	9.4	10	0.9	<0.01
M898698		71	5.4	16.4	47	64.4	0.50

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16161290

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA26	CRU- 31	CRU- QC	Hg- MS42
LOG- 21	LOG- 21d	LOG- 23	ME- MS61
PUL- 31	PUL- 31d	PUL- QC	SPL- 21
SPL- 21d	WEI- 21		

APPENDIX VI

RAB DRILLING - SAMPLING METHODS

2016 RAB Drill Sampling Methods, Sample Analysis, and Data Verification

Geological logging was done on all RAB drill material (chips) in 2016. Data that was collected includes

1.) Footage
2.) Rock Type
3.) Weathering
4.) HCL reactivity
5.) Colour
6.) Alteration
7.) Colour
8.) Minerals
9.) Written Description

RAB drill material was collected at the drill in a 5 gallon pail that collected material from each 5 foot run. The material was then placed in a sample bag and marked with the footage. The unprocessed samples were then flown back to Nadaleen camp for analysis from the drill sites.

Photographs were taken of each 5 foot run, and if there were two or more visually distinct rock types they were separated for the photo.

Data was entered into an application on a digital tablet that synced with the existing drill hole database when the tablet returned to camp. In the event that there were two or more visually distinct rock types, a percentage field was available to discriminate between the different types. A representative collective of chips and pulverised material was also collected and stored in plastic chip boxes, and labelled with their respective hole number, footage and sample number.

The material was homogenized by hand and approximately 5 lbs of material was scooped into a plastic sample bag. This bag was then doubled bagged and had an ALS assay tag inserted between the bags.

Sample Handling and Security

Samples were flown by helicopter from the drill sites back to Nadaleen camp. The samples were later flown by helicopter to the Stewart Airstrip, flown by fixed wing to the Whitehorse airport and transported to ALS Minerals by truck. All samples were controlled by employees of Archer Cathro until they were delivered directly to ALS Minerals where they were logged. ALS Minerals was responsible for shipping the logged samples to its North Vancouver laboratory, where they were prepared and analyzed.

Sample Analysis

All samples were sent to ALS Minerals' laboratory in Whitehorse to be logged and then on to its laboratory in North Vancouver for preparation and analysis. ALS Minerals, a wholly owned

subsidiary of ALS Limited, is an independent commercial laboratory specializing in analytical geochemistry services. Both ALS Minerals' Whitehorse and North Vancouver laboratories are individually certified to standards within ISO 9001:2008. The North Vancouver laboratory has also received accreditation to ISO/IEC 17025:2005 from the Standards Council of Canada for several analytical methods.

All samples were dried, fine crushed to better than 70% passing -2 mm and then a 250 g split was pulverized to better than 85% passing 75 microns. The pulverizing circuit was cleaned with quartz sand twice between core samples. Pulps were then analyzed at ALS Minerals in North Vancouver where gold determinations were carried out. Splits of the pulverized fraction were routinely dissolved in aqua regia and analyzed for 49 elements using inductively coupled plasma (ICP) together with mass spectrometry (MS) or atomic emission spectroscopy (AES). Gold analyses were by the Au-AA26 procedure that involves fire assay preparation using a 50 gram charge with an atomic absorption spectroscopy finish. Mercury analyses are performed using atomic absorption spectroscopy (AAS).

DATA VERIFICATION

Collar Locations

All drill hole collars were located and recorded using a handheld GPS.

Assays

Assay certificates, for all of the drilling done to date, were obtained from ALS Minerals in CSV format and imported directly into the MS SQL Server® database. Spot checking of data within the database to hard copy certificates issued by ALS Minerals has not revealed any issues.

Samples from the diamond drilling programs were subjected to a QA/QC program designed by Archer Cathro for ATAC. The QA/QC program consisted of:

1) Sequentially numbered sample tickets: to identify each sample with a unique number to minimize the possibility of sample numbering errors and to ensure uniform collection of sample data.
2) Sealed sample bags: to secure individual sample bags in order to reduce the possibility of sample contamination, spilling or tampering.
3) Correlating geochemistry to logged date: After final results were received, data was plotted against logged data to test for any downhole smearing of material. For example, if there was a rock type change from limestone to shale, employees would check to see if there was a trailing level of Calcium in the subsequent samples, which would indicate downhole smearing. Observed data from 2015 showed no indication of any smearing or similar contamination from any of the drill samples.

2016 RAB Sampling Methods

RAB samples were collected on five food drilled intervals. Of the material returned during the drilling process, an approximately 1/8th split (representing approximately 2 kg of material) of the full recovered interval was collected. The sample was bagged in either plastic or cloth sample bags, depending on the wetness of the sample. Markers indicating the depth of the interval representing the sample were placed within the bag. The bags were then sealed closed with coloured flagging tape with interval of the sample again noted on the flagging tape. Once per drill shift the samples were loaded into an ore bag and flown by helicopter back to camp for sample characterization and final processing.

Upon arrival in camp the samples were laid out in order and one by one opened up for further characterization. Notes about the sample colour, alteration type and intensity, rock type, HCL reactivity were noted in addition to any additional characteristics of the sample. The sample was then photographed with its sample tag and rebagged for transportation to the lab. Wet samples were dried on site before being transported off site.

As RAB drilling does not provide the detailed level of geological and structural information that diamond drilling does RAB drill samples are primarily used as an early to intermediate stage exploration tool. No detailed QAQC program was initiated for the RAB drill samples during the 2016 program. Accordingly the results cannot be used for the purposes of NI 43-101 mineral resource estimates.

The samples were transported to ALS Minerals in Whitehorse YT where splits of the pulverized fraction were routinely dissolved in aqua regia and analyzed for 49 elements using inductively coupled plasma (ICP) together with mass spectrometry (MS) or atomic emission spectroscopy (AES). Gold analyses were by the Au-AA26 procedure that involves fire assay preparation using a 50 gram charge with an atomic absorption spectroscopy finish. Mercury analyses are performed using atomic absorption spectroscopy (AAS).

APPENDIX VII

RAB DRILLING - GEOLOGICAL AND SAMPLE LOGS

Rackla Gold Property - Nadaleen Trend Project

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618796	7113120	1338	67.06

ZONE: Orion

SECTION:

HOLE: ARB-16-032

CLAIM: T2964

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 01 - Jul 02, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET: Extension of mineralization from ARB-15-026

SUMMARY

SAMPLES	
Numbers:	r609545 to r609548, r609551 to r609588
Total:	42
Batch:	B01
Certificates:	KL16107555

COMMENTS

Hole shutdown after return was lost and rods got stuck. Freed rods with water and foaming agent. From 125-220 ft was very wet material (fault?). 30 ft casing.

ARB-16-032

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	OVB		top of hole - no recovery									
						100	--	--						
									--	--	---	--	--	0
1.52	3.05	1.53	OVB		ovb									
						50	2W	0R						
									DK	BK	---	--	--	0
									DK	BK	OXI	1I	--	0
3.05	4.57	1.52	SHL		weakly calcareous black shale									
						100	1W	1R						
									DK	BK	---	--	--	0
4.57	6.10	1.53	SHL		weakly calcareous black shale									
						100	1W	1R						
									DK	BK	---	--	--	0
6.10	7.62	1.52	SHL		weakly calcareous black shale									
						100	1W	1R						
									MD	BK	---	--	--	0
									DK	BK	---	--	--	0
7.62	9.14	1.52	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
9.14	10.67	1.53	SHL		very wet zone of non calcareous black and brown shale									
						100	1W	0R						
									DK	BK	---	--	--	0
									MD	BN				
10.67	12.19	1.52	SHL		black shale. some brown wetter material at the start of the interval.									
						100	1W	0R						
									DK	BK	---	--	--	0
12.19	13.72	1.53	SHL		black shale									
						100	1W	0R						
									DK	BK	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
13.72	15.24	1.52	SHL		dark grey black shale									
						100	1W	0R						
									DK	GY	---	--	--	0
									DK	BK				
15.24	16.76	1.52	SHL		brown-grey shale									
						100	1W	0R						
									DK	BN	---	--	--	0
									MD	GY				
16.76	18.29	1.53	SHL		dark grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
18.29	19.81	1.52	SHL		dark grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
19.81	21.34	1.53	SHL		dk grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
21.34	22.86	1.52	SHL		dark grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
22.86	24.38	1.52	SHL		dark grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
24.38	25.91	1.53	SHL		med grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
25.91	27.43	1.52	SHL		dk grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
27.43	28.96	1.53	SHL		dk grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
28.96	30.48	1.52	SHL		med grey shale									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	0R						
									MD	GY	---	--	--	0
30.48	32.00	1.52	SHL		dk grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
32.00	33.53	1.53	SHL		dk grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
33.53	35.05	1.52	SHL		medium grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
35.05	36.58	1.53	SHL		dk grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
36.58	38.10	1.52	SHL		dk grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
38.10	39.62	1.52	SHL		very wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
39.62	41.15	1.53	SHL		very wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
41.15	42.67	1.52	SHL		very wet! tan had to rod pull									
						100	1W	0R						
									DK	BK	---	--	--	0
42.67	44.20	1.53	SHL		very wet black shale									
						100	1W	0R						
									DK	GY	---	--	--	0
44.20	45.72	1.52	SHL		very wet grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
45.72	47.24	1.52	SHL		very wet grey shale									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	0R						
									DK	GY	---	--	--	0
47.24	48.77	1.53	SHL		wet dark grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
48.77	50.29	1.52	SHL		wet gry shale									
						100	1W	0R						
									DK	GY	---	--	--	0
50.29	51.82	1.53	SHL		wet grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
51.82	53.34	1.52	SHL		wet grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
									DK	GY	---	--	--	0
53.34	54.86	1.52	SHL		wet grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
54.86	56.39	1.53	SHL		wet grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
56.39	57.91	1.52	SHL		wet grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
57.91	59.44	1.53	SHL		wet grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
59.44	60.96	1.52	SHL		wet grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
60.96	62.48	1.52	SHL		very wet grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
62.48	64.01	1.53	SHL		dark grey wet shale									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	0R	DK	GY	---	--	--	0

ARB-16-032

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	3.05	1.53				r609551	☐	N16-B01			☐	☐	☐
3.05	4.57	1.52				r609552	☐	N16-B01			☐	☐	☐
4.57	6.10	1.53				r609553	☐	N16-B01			☐	☐	☐
6.10	7.62	1.52				r609554	☐	N16-B01			☐	☐	☐
7.62	9.14	1.52				r609555	☐	N16-B01			☐	☐	☐
9.14	10.67	1.53				r609556	☐	N16-B01			☐	☐	☐
10.67	12.19	1.52				r609557	☐	N16-B01			☐	☐	☐
12.19	13.72	1.53				r609558	☐	N16-B01			☐	☐	☐
13.72	15.24	1.52				r609559	☐	N16-B01			☐	☐	☐
15.24	16.76	1.52				r609560	☐	N16-B01			☐	☐	☐
16.76	18.29	1.53				r609561	☐	N16-B01			☐	☐	☐
18.29	19.81	1.52				r609562	☐	N16-B01			☐	☐	☐
19.81	21.34	1.53				r609563	☐	N16-B01			☐	☐	☐
21.34	22.86	1.52				r609564	☐	N16-B01			☐	☐	☐
22.86	24.38	1.52				r609565	☐	N16-B01			☐	☐	☐
24.38	25.91	1.53				r609566	☐	N16-B01			☐	☐	☐
25.91	27.43	1.52				r609567	☐	N16-B01			☐	☐	☐
27.43	28.96	1.53				r609568	☐	N16-B01			☐	☐	☐
28.96	30.48	1.52				r609569	☐	N16-B01			☐	☐	☐
30.48	32.00	1.52				r609570	☐	N16-B01			☐	☐	☐
32.00	33.53	1.53				r609571	☐	N16-B01			☐	☐	☐
33.53	35.05	1.52				r609572	☐	N16-B01			☐	☐	☐
35.05	36.58	1.53				r609573	☐	N16-B01			☐	☐	☐
36.58	38.10	1.52				r609574	☐	N16-B01			☐	☐	☐
38.10	39.62	1.52				r609575	☐	N16-B01			☐	☐	☐
39.62	41.15	1.53				r609576	☐	N16-B01			☐	☐	☐
41.15	42.67	1.52				r609577	☐	N16-B01			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
42.67	44.20	1.53				r609578	☐	N16-B01			☐	☐	☐
44.20	45.72	1.52				r609579	☐	N16-B01			☐	☐	☐
45.72	47.24	1.52				r609580	☐	N16-B01			☐	☐	☐
47.24	48.77	1.53				r609581	☐	N16-B01			☐	☐	☐
48.77	50.29	1.52				r609582	☐	N16-B01			☐	☐	☐
50.29	51.82	1.53				r609583	☐	N16-B01			☐	☐	☐
51.82	53.34	1.52				r609584	☐	N16-B01			☐	☐	☐
53.34	54.86	1.52				r609585	☐	N16-B01			☐	☐	☐
54.86	56.39	1.53				r609586	☐	N16-B01			☐	☐	☐
56.39	57.91	1.52				r609587	☐	N16-B01			☐	☐	☐
57.91	59.44	1.53				r609588	☐	N16-B01			☐	☐	☐
59.44	60.96	1.52				r609545	☐	N16-B01			☐	☐	☐
60.96	62.48	1.52				r609546	☐	N16-B01			☐	☐	☐
62.48	64.01	1.53				r609547	☐	N16-B01			☐	☐	☐
64.01	65.53	1.52				r609548	☐	N16-B01			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618786	7113163	1344	44.2

ZONE: Orion

SECTION:

HOLE: ARB-16-033

CLAIM: T2964

Contractor:

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 03 - Jul 03, 2016

Geology Logged By: R. Phillips

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r609549 to r609550, r609589 to r609614
Total:	28
Batch:	B01
Certificates:	KL16107555

COMMENTS
casing down to 60 ft. hole ended at 145 ft when return was lost.

ARB-16-033

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	OVB		overburden no recovery									
						100	--	--						
									--	--	---	--	--	0
1.52	3.05	1.53	SHL		calcareous shale									
						100	2W	3R						
									DK	BK	OXI	1I	--	0
3.05	4.57	1.52	SHL		calcareous shale									
						100	2W	3R						
									DK	BK	OXI	1I	--	0
4.57	6.10	1.53	SHL		weakly calcareous shale									
						100	1W	2R						
									DK	BK	OXI	1I	--	0
6.10	7.62	1.52	LST		grey and orange brown limestone									
						5	2W	4R						
									MD	OR			--	0
									LT	GY				
						95	--	1R						
									DK	BK	---	--	--	8
7.62	9.14	1.52	SHL		black shale									
						30		1R						
									MD	BK	---	--	--	0
						70	--	4R						
									DK	TP	---	--	--	0
9.14	10.67	1.53	LST		dark brown limestone.									
						100	--	4R						
									DK	BN	---	--	--	0
10.67	12.19	1.52	LST		brown limestone									
						30	--	4R						
									MD	TP	OXI	1I	--	0
						70	--	1R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									DK	GY	---	--	--	0
12.19	13.72	1.53	LST		dark brown limestone with yellow orange chips within									
						50	--	4R						
									MD	BN	---	--	--	0
									DK	BK	---	--	--	0
13.72	15.24	1.52	SHL		weakly calcareous shale									
						100	--	2R						
									DK	BK	---	--	--	0
15.24	16.76	1.52	SHL		very weakly calcareous shale with fair concentration of yellowish brown siltstone chips									
						100	--	1R						
									DK	GY	---	--	--	0
16.76	18.29	1.53	SHL		weakly calcareous shale									
						100	--	1R						
									DK	BN	---	--	--	0
18.29	19.81	1.52	SHL		non calcareous shale									
						100	--	0R						
									DK	TP	---	--	--	0
22.86	24.38	1.52	SHL		wet shale									
						100	--	0R						
									DK	BK	---	--	--	0
24.38	25.91	1.53	SHL		wet shale									
						100	--	0R						
									DK	BK	---	--	--	0
25.91	27.43	1.52	SHL		non calcareous shale									
						100	--	0R						
									DK	BK	---	--	--	0
27.43	28.96	1.53	SHL		black non calcareous shale									
						100	--	0R						
									DK	BK	---	--	--	0
28.96	30.48	1.52	SHL		black non calcareous shale									
						100	--	0R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									DK	BK	---	--	--	0
30.48	32.00	1.52	SHL		non calcareous shale									
						100	--	0R						
									DK	BK	---	--	--	0
32.00	33.53	1.53	SHL		black non calcareous shale									
						100	--	0R						
									DK	BK	---	--	--	0
33.53	35.05	1.52	SHL		black non calcareous shale with white quartz.									
						100	--	0R						
									DK	BK	---	--	Qz	3
35.05	36.58	1.53	SHL		black non calcareous shale									
						100	--	0R						
									DK	BK	---	--	--	0
36.58	38.10	1.52	SHL		black non calcareous shale									
						100	--	0R						
									DK	BK	---	--	--	0
38.10	39.62	1.52	SHL		non calcareous shale									
						100	--	0R						
									DK	BK	---	--	Qz	2
39.62	41.15	1.53	SHL		black non calcareous shale									
						100	--	0R						
									DK	BK	OXI	1I	Qz	3
41.15	42.67	1.52	LST		dark grey taupe limestone with strong concentration of quartz sometimes oxidized.									
						100	--	4R						
									DK	TP	OXI	2I	Ca	5
42.67	44.20	1.53	LST		dark grey limestone with calcite sand oxidized fragments.									
						100	--	4R						
									DK	TP	OXI	2I	Ca	5

ARB-16-033

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	3.05	1.53				r609549	☐	N16-B01			☐	☐	☐
3.05	4.57	1.52				r609550	☐	N16-B01			☐	☐	☐
4.57	6.10	1.53				r609589	☐	N16-B01			☐	☐	☐
6.10	7.62	1.52				r609590	☐	N16-B01			☐	☐	☐
7.62	9.14	1.52				r609591	☐	N16-B01			☐	☐	☐
9.14	10.67	1.53				r609592	☐	N16-B01			☐	☐	☐
10.67	12.19	1.52				r609593	☐	N16-B01			☐	☐	☐
12.19	13.72	1.53				r609594	☐	N16-B01			☐	☐	☐
13.72	15.24	1.52				r609595	☐	N16-B01			☐	☐	☐
15.24	16.76	1.52				r609596	☐	N16-B01			☐	☐	☐
16.76	18.29	1.53				r609597	☐	N16-B01			☐	☐	☐
18.29	19.81	1.52				r609598	☐	N16-B01			☐	☐	☐
19.81	21.34	1.53				r609599	☐	N16-B01			☐	☐	☐
21.34	22.86	1.52				r609600	☐	N16-B01			☐	☐	☐
22.86	24.38	1.52				r609601	☐	N16-B01			☐	☐	☐
24.38	25.91	1.53				r609602	☐	N16-B01			☐	☐	☐
25.91	27.43	1.52				r609603	☐	N16-B01			☐	☐	☐
27.43	28.96	1.53				r609604	☐	N16-B01			☐	☐	☐
28.96	30.48	1.52				r609605	☐	N16-B01			☐	☐	☐
30.48	32.00	1.52				r609606	☐	N16-B01			☐	☐	☐
32.00	33.53	1.53				r609607	☐	N16-B01			☐	☐	☐
33.53	35.05	1.52				r609608	☐	N16-B01			☐	☐	☐
35.05	36.58	1.53				r609609	☐	N16-B01			☐	☐	☐
36.58	38.10	1.52				r609610	☐	N16-B01			☐	☐	☐
38.10	39.62	1.52				r609611	☐	N16-B01			☐	☐	☐
39.62	41.15	1.53				r609612	☐	N16-B01			☐	☐	☐
41.15	42.67	1.52				r609613	☐	N16-B01			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
42.67	44.20	1.53				r609614	☐	N16-B01			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618785	7113160	1344	41.15

ZONE: Orion

SECTION:

HOLE: ARB-16-034

CLAIM: T2964

Contractor: Superior

Drill: 1

Core Size: NQ

Casing Depth:

Drilling Dates: Jul 03 - Jul 04, 2016

Geology Logged By: R. Phillips

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r609615 to r609640
Total:	26
Batch:	B01, B02
Certificates:	KL16107555, KL16109143

COMMENTS

casing down to 60 ft. Hole collapsed and rods stuck.

ARB-16-034

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	OVB		overburden no recovery.									
						100	--	--						
									--	--	---	--	--	0
1.52	3.05	1.53	SHL		calcareous shale with moderate concentration of yellowish brown siltstone chips									
						100	2W	2R						
									DK	TP	OXI	2I	--	0
3.05	4.57	1.52	SHL		fairly calcareous shale with yellowish brown siltstone chips.									
						100	2W	2R						
									DK	TP	OXI	2I	--	0
4.57	6.10	1.53	SHL		calcareous shale									
						100	--	3R						
									DK	TP	---	--	--	0
6.10	7.62	1.52	SHL		calcareous shale with minor calcite fragments.									
						100	--	3R						
									DK	GY	---	--	Ca	2
7.62	9.14	1.52	SHL		calcareous shale with rare calcite fragments									
						100	--	2R						
									DK	GY	---	--	Ca	1
9.14	10.67	1.53	SHL		dark brownish grey calcareous shale									
						100	--	4R						
									DK	TP	---	--	--	0
10.67	12.19	1.52	SHL		very calcareous shale									
						100	--	4R						
									DK	TP	---	--	--	0
12.19	13.72	1.53	LST		very calcareous limestone.									
						100	--	4R						
									MD	BN	---	--	--	0
13.72	15.24	1.52	LST		medium greyish brown limestone.									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	--	4R						
									MD	TP	---	--	--	0
15.24	16.76	1.52	LST		light medium and dark brown intervals of limestone.									
						100	--	4R						
									LT	BN	---	--	--	0
									MD	BN				
									DK	BN				
18.29	19.81	1.52	SHL		grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
19.81	21.34	1.53	SHL		grey shale with orange siltstone chips									
						100	1W	0R						
									DK	GY	---	--	--	0
21.34	22.86	1.52	SHL		dark grey shale, wet, coarse chips									
						100	1W	0R						
									DK	GY	---	--	--	0
22.86	24.38	1.52	SHL		dark grey shale, wet									
						100	1W	0R						
									DK	GY	---	--	--	0
24.38	25.91	1.53	SHL		dark grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
25.91	27.43	1.52	SHL		weakly calcareous shale									
						100	1W	2R						
									MD	GY	---	--	--	0
27.43	28.96	1.53	SHL		calcareous shale									
						100	1W	3R						
									MD	GY	---	--	--	0
28.96	30.48	1.52	SHL		calcareous shale									
						100	--	2R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									MD	GY	---	--	--	0
30.48	32.00	1.52	LST		grey lst (or calcareous shale?)									
						100	1W	3R						
									MD	GY	---	--	--	0
32.00	33.53	1.53	LST		grey lst. coarse chips, wet									
						100	1W	3R						
									MD	GY	---	--	--	0
33.53	35.05	1.52	LST		grey lst, wet, coarse									
						100	1W	3R						
									MD	GY	---	--	--	0
35.05	36.58	1.53	SHL		grey shale, wet, coarse									
						100	1W	1R						
									MD	GY	---	--	--	0
36.58	38.10	1.52	SHL		grey shale, very wet, low recovery									
						100	1W	0R						
									MD	GY	---	--	--	0
38.10	39.62	1.52	SHL		grey shale, very wet, low recovery									
						100	1W	0R						
									MD	GY	---	--	--	0
39.62	41.15	1.53	SHL		grey shale, very wet, low recovery									
						100	1W	0R						
									MD	GY	---	--	--	0
301.75	303.28	1.53	-?-		delete me									
						100	--	--						
									MD	GY	---	--	--	0

ARB-16-034

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	3.05	1.53				r609615	☐	N16-B01			☐	☐	☐
3.05	4.57	1.52				r609616	☐	N16-B01			☐	☐	☐
4.57	6.10	1.53				r609617	☐	N16-B01			☐	☐	☐
6.10	7.62	1.52				r609618	☐	N16-B01			☐	☐	☐
7.62	9.14	1.52				r609619	☐	N16-B01			☐	☐	☐
9.14	10.67	1.53				r609620	☐	N16-B01			☐	☐	☐
10.67	12.19	1.52				r609621	☐	N16-B01			☐	☐	☐
12.19	13.72	1.53				r609622	☐	N16-B01			☐	☐	☐
13.72	15.24	1.52				r609623	☐	N16-B01			☐	☐	☐
15.24	16.76	1.52				r609624	☐	N16-B01			☐	☐	☐
16.76	18.29	1.53				r609625	☐	N16-B01			☐	☐	☐
18.29	19.81	1.52				r609626	☐	N16-B02			☐	☐	☐
19.81	21.34	1.53				r609627	☐	N16-B02			☐	☐	☐
21.34	22.86	1.52				r609628	☐	N16-B02			☐	☐	☐
22.86	24.38	1.52				r609629	☐	N16-B02			☐	☐	☐
24.38	25.91	1.53				r609630	☐	N16-B02			☐	☐	☐
25.91	27.43	1.52				r609631	☐	N16-B02			☐	☐	☐
27.43	28.96	1.53				r609632	☐	N16-B02			☐	☐	☐
28.96	30.48	1.52				r609633	☐	N16-B02			☐	☐	☐
30.48	32.00	1.52				r609634	☐	N16-B02			☐	☐	☐
32.00	33.53	1.53				r609635	☐	N16-B02			☐	☐	☐
33.53	35.05	1.52				r609636	☐	N16-B02			☐	☐	☐
35.05	36.58	1.53				r609637	☐	N16-B02			☐	☐	☐
36.58	38.10	1.52				r609638	☐	N16-B02			☐	☐	☐
38.10	39.62	1.52				r609639	☐	N16-B02			☐	☐	☐
39.62	41.15	1.53				r609640	☐	N16-B02			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618828	7113093	1354	38.1

ZONE: Orion

SECTION:

HOLE: ARB-16-035

CLAIM: Dale 12

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 08 - Jul 08, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r609641 to r609644, r609646 to r609664
Total:	23
Batch:	B03
Certificates:	TR16111108

COMMENTS

30 ft casing. Hole ended at 125'. Return was minimal, hammer would not activate at bottom of hole despite being clean.

ARB-16-035

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	0.46	0.46	OVB		overburden - no sample									
						100	--	--						
									--	--	---	--	--	0
0.93	1.39	0.46	SHL		non calcareous black shale									
						100	2W	0R						
									MD	BK	---	--	--	0
1.39	1.86	0.47	SHL		med brown shale									
						100	2W	0R						
									MD	BN	---	--	--	0
1.86	2.32	0.46	SHL		light brown shale									
						100	1W	0R						
									LT	BN	---	--	--	0
									MD	BN				
2.32	2.79	0.47	SHL		MD brown shale									
						100	1W	0R						
									MD	BN	---	--	--	0
2.79	3.25	0.46	SHL		Dark black shale with weak oxidation. Interval is wet.									
						100	1W	1R						
									DK	BK	OXI	2I		
3.25	3.72	0.47	SHL		Dark black noncalcareous shale with weak oxidation. Interval is wet.									
						100	1W	0R						
									DK	BK	OXI	2I		
3.72	4.18	0.46	SHL		Wet dark black shale with weak oxidation.									
						100	1W	0R						
									DK	BK	OXI	2I		
4.18	4.65	0.47	SHL		Wet dark black shale.									
						100	1W	0R						
									DK	BK				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
4.65	5.11	0.46	SHL		Wet dark black shale.									
						100	1W	0R						
									DK	BK	OXI	2I		
5.11	5.57	0.46	SHL		Wet dark black shale with weak oxidation.									
						100	1W	0R						
									DK	BK	OXI	2I		
5.57	6.04	0.47	SHL		Wet dark black shale with weak oxidation.									
						100	1W	0R						
									DK	BK	OXI	2I		
6.04	6.50	0.46	SHL		Wet dark black shale with weak oxidation and possible trace scorodite.									
						100	1W	0R						
									DK	BK	OXI	2I		
6.50	6.97	0.47	SHL		Wet dark black shale with weak oxidation and possible scorodite.									
						100	1W	0R						
									DK	BK	OXI	2I		
6.97	7.43	0.46	SHL		Wet dark black shale with weak oxidation.									
						100	1W	0R						
									DK	BK	OXI	1I		
7.43	7.90	0.47	SHL		Wet dark black shale with weak oxidation.									
						100	1W	0R						
									DK	BK	OXI	2I		
7.90	8.36	0.46	SHL		Wet dark black shale with weak oxidation.									
						100	1W	0R						
									DK	BK	OXI	2I		
8.36	8.83	0.47	SHL		Wet dark black shale with weak oxidation.									
						100	1W	0R						
									DK	BK	OXI	2I		
8.83	9.29	0.46	SHL		Wet dark black shale with weak oxidation.									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	0R						
									DK	BK	OXI	2I		
9.29	9.75	0.46	SHL		Wet dark black shale with weak oxidation.									
						100	1W	0R						
									DK	BK	OXI	1I		
9.75	10.22	0.47	SHL		Wet dark black shale.									
						100	1W	0R						
									DK	BK				
10.22	10.68	0.46	SHL		Wet dark black shale with weak oxidation.									
						100	1W	0R						
									DK	BK				
10.68	11.15	0.47	SHL		Wet dark black shale.									
						100	1W	0R						
									DK	BK				

Sample Log

ARB-16-035

Nadaleen
Orion Zone

Archer, Cathro & Associates (1981) Limited

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	3.05	1.53				r609641	☐	N16-B03			☐	☐	☐
3.05	4.57	1.52				r609642	☐	N16-B03			☐	☐	☐
4.57	6.10	1.53				r609643	☐	N16-B03			☐	☐	☐
6.10	7.62	1.52				r609644	☐	N16-B03			☐	☐	☐
7.62	9.14	1.52				r609646	☐	N16-B03			☐	☐	☐
9.14	10.67	1.53				r609647	☐	N16-B03			☐	☐	☐
10.67	12.19	1.52				r609648	☐	N16-B03			☐	☐	☐
12.19	13.72	1.53				r609649	☐	N16-B03			☐	☐	☐
13.72	15.24	1.52				r609650	☐	N16-B03			☐	☐	☐
15.24	16.76	1.52				r609651	☐	N16-B03			☐	☐	☐
16.76	18.29	1.53				r609652	☐	N16-B03			☐	☐	☐
18.29	19.81	1.52				r609653	☐	N16-B03			☐	☐	☐
19.81	21.34	1.53				r609654	☐	N16-B03			☐	☐	☐
21.34	22.86	1.52				r609655	☐	N16-B03			☐	☐	☐
22.86	24.38	1.52				r609656	☐	N16-B03			☐	☐	☐
24.38	25.91	1.53				r609657	☐	N16-B03			☐	☐	☐
25.91	27.43	1.52				r609658	☐	N16-B03			☐	☐	☐
27.43	28.96	1.53				r609659	☐	N16-B03			☐	☐	☐
28.96	30.48	1.52				r609660	☐	N16-B03			☐	☐	☐
30.48	32.00	1.52				r609661	☐	N16-B03			☐	☐	☐
32.00	33.53	1.53				r609662	☐	N16-B03			☐	☐	☐
33.53	35.05	1.52				r609663	☐	N16-B03			☐	☐	☐
35.05	36.58	1.53				r609664	☐	N16-B03			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618827	7113093	1353	39.64

ZONE: Orion

SECTION:

HOLE: ARB-16-036

CLAIM: Dale 12

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 08 - Jul 09, 2016

Geology Logged By: J. Lane

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET: Orion

SUMMARY

SAMPLES	
Numbers:	R607520 to R607544
Total:	25
Batch:	B03
Certificates:	TR16111108

COMMENTS
Hole ended at 39.64 because return was lost. Casing down to 55 ft.

ARB-16-036

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
1.52	3.05	1.53	SHL		calcareous black shale									
						100	1W	3R						
									DK	BK	---	--	--	0
3.05	4.57	1.52	SHL		Calcareous black shale. Some weak oxidation on rare chips.									
						100	1W	3R						
									DK	BK	OXI	1I	--	0
4.57	6.10	1.53	SHL		non calcareous shale									
						100	--	0R						
									DK	BK	---	--	--	0
6.10	7.62	1.52	SHL		non calcareous shale									
						100	--	0R						
									DK	BK	---	0I	--	0
7.62	9.14	1.52	SHL		black non calcareous shale									
						100	--	0R						
									DK	BK	---	--	--	0
9.14	10.67	1.53	SHL		non calcareous shale									
						100	--	0R						
									DK	BK	---	--	--	0
10.67	12.19	1.52	SHL		non calcareous shale									
						100	--	0R						
									DK	BK	---	0I	--	0
12.19	13.72	1.53	SHL		Non calcareous shale									
						100	--	0R						
											---	0I	--	0
13.72	15.24	1.52	SHL		wet - non calcareous shale									
						100	--	0R						
											---	0I	--	0
15.24	16.76	1.52	SHL		black non calcareous shale.									
						100	--	0R						
									DK	BK	---	0I	--	0
16.76	18.29	1.53	SHL		black non calcareous shale.									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	--	0R						
									DK	BK	---	0I	--	0
18.29	19.81	1.52	SHL		black non calcareous shale with trace to moderate pyrite									
						100	--	0R						
									DK	BK	---	0I	Py	0.5
19.81	21.34	1.53	SHL		black non calcareous shale with trace to moderate pyrite									
						100	--	0R						
									DK	BK	---	0I	Py	0.5
21.34	22.86	1.52	SHL		wet - non calcareous shale .									
						100	--	0R						
									DK	GY	---	0I	--	0
22.86	24.38	1.52	SHL		wet non calcareous shale.									
						100	--	0R						
									DK	GY	---	0I	--	0
24.38	25.91	1.53	SHL		dark grey very wet non calcareous shale.									
						100	--	0R						
									DK	GY	---	0I	--	0
25.91	27.43	1.52	SHL		very wet dark grey nonc alcareous shale.									
						100	--	0R						
									DK	GY	---	0I	--	0
27.43	28.96	1.53	SHL		wet non calcareous shale.									
						100	--	0R						
									DK	GY	---	0I	--	0
28.96	30.48	1.52	SHL		wet non calcaresous shale									
						100	--	0R						
									DK	GY	---	0I	--	0
30.48	32.00	1.52	SHL		wet non calcareous shale									
						100	--	0R						
									DK	GY	---	0I	--	0
32.00	33.53	1.53	SHL		wet non calcareeous shale									
						100	--	0R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									DK	GY	---	0I	--	0
33.53	35.05	1.52	SHL		wet non calcareous shale									
						100	--	0R						
									DK	GY	---	0I	--	0
35.05	36.58	1.53	SHL		wet non calcaresous shale									
						100	--	0R						
									DK	GY	---	0I	--	0
36.58	38.10	1.52	SHL		wet non calcareous shale									
						100	--	0R						
									DK	GY	---	0I	--	0
38.10	39.62	1.52	SHL		wet non calcareous shale.									
						100	--	0R						
									DK	GY	---	0I	--	0

ARB-16-036

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	3.05	1.53				R607520	☐	N16-B03			☐	☐	☐
3.05	4.57	1.52				R607521	☐	N16-B03			☐	☐	☐
4.57	6.10	1.53				R607522	☐	N16-B03			☐	☐	☐
6.10	7.62	1.52				R607523	☐	N16-B03			☐	☐	☐
7.62	9.14	1.52				R607524	☐	N16-B03			☐	☐	☐
9.14	10.67	1.53				R607525	☐	N16-B03			☐	☐	☐
10.67	12.19	1.52				R607526	☐	N16-B03			☐	☐	☐
12.19	13.72	1.53				R607527	☐	N16-B03			☐	☐	☐
13.72	15.24	1.52				R607528	☐	N16-B03			☐	☐	☐
15.24	16.76	1.52				R607529	☐	N16-B03			☐	☐	☐
16.76	18.29	1.53				R607530	☐	N16-B03			☐	☐	☐
18.29	19.81	1.52				R607531	☐	N16-B03			☐	☐	☐
19.81	21.34	1.53				R607532	☐	N16-B03			☐	☐	☐
21.34	22.86	1.52				R607533	☐	N16-B03			☐	☐	☐
22.86	24.38	1.52				R607534	☐	N16-B03			☐	☐	☐
24.38	25.91	1.53				R607535	☐	N16-B03			☐	☐	☐
25.91	27.43	1.52				R607536	☐	N16-B03			☐	☐	☐
27.43	28.96	1.53				R607537	☐	N16-B03			☐	☐	☐
28.96	30.48	1.52				R607538	☐	N16-B03			☐	☐	☐
30.48	32.00	1.52				R607539	☐	N16-B03			☐	☐	☐
32.00	33.53	1.53				R607540	☐	N16-B03			☐	☐	☐
33.53	35.05	1.52				R607541	☐	N16-B03			☐	☐	☐
35.05	36.58	1.53				R607542	☐	N16-B03			☐	☐	☐
36.58	38.10	1.52				R607543	☐	N16-B03			☐	☐	☐
38.10	39.62	1.52				R607544	☐	N16-B03			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618788	7113164	1342	50.29

ZONE: Orion

SECTION:

HOLE: ARB-16-037

CLAIM: T2964

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 09 - Jul 09, 2016

Geology Logged By: R. Phillips

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r609665 to r609696
Total:	32
Batch:	B03
Certificates:	TR16111108

COMMENTS

Hole drilled through LST, then into pyritic shale (possible faulted contact). Hole ended after return started to slow, and drilled needed to be moved before nightshift. Casing to 35 ft.

ARB-16-037

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	OVB		ovb, no recovery									
						100	--	--						
									--	--	---	--	--	0
1.52	3.05	1.53	OVB		calcareous ovb									
						100	2W	3R						
									MD	BK	---	--	--	0
3.05	4.57	1.52	OVB		Calcareous ovb									
						100	2W	4R						
									MD	BK	---	--	--	0
4.57	6.10	1.53	OVB		ovb, large chips of lst (drilling through boulder/talus?)									
						100	2W	4R						
									MD	GY	---	--	--	0
6.10	7.62	1.52	OVB		lst ovb?. large chips of various lithologies, mostly all calcareous									
						100	--	4R						
									MD	GY	---	--	--	0
7.62	9.14	1.52	OVB		lst ovb. possibly in situ but many different chip types so suspect ovb									
						100	3W	4R						
									MD	GY	---	--	--	0
9.14	10.67	1.53	LST		grey lst with orange chips									
						100	2W	4R						
									MD	GY	---	--	--	0
10.67	12.19	1.52	LST		grey lst									
						100	1W	4R						
									MD	GY	---	--	--	0
12.19	13.72	1.53	LST		dark grey lst									
						100	1W	3R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									DK	GY	---	--	--	0
13.72	15.24	1.52	LST		dark grey Lst (or calcareous shale?)									
						100	1W	3R						
									DK	GY	---	--	--	0
15.24	16.76	1.52	SHL		calcareous shale									
						100	1W	2R						
									MD	BK	---	--	--	0
16.76	18.29	1.53	SHL		fault zone? lots of water, return is all brown mud but looks like great shale chips									
						100	2W	0R						
									MD	GY	---	--	--	0
18.29	19.81	1.52	SHL		grey shale									
						100	2W	0R						
									--	--	---	--	--	0
19.81	21.34	1.53	SHL		dark grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
21.34	22.86	1.52	SHL		pyrtitic shale with qtz chips									
						100	2W	0R						
													Qz	1
									MD	GY	---	--	Py	1
22.86	24.38	1.52	SHL		grey shale with qtz, orange/yellow chips									
						100	1W	0R						
									MD	GY	---	--	Qz	1
24.38	25.91	1.53	SHL		pyrtitic shale with orange/yellow chips									
						100	1W	0R						
									MD	GY	---	--	Py	1
25.91	27.43	1.52	SHL		very pyrtitic shale									
						100	1W	0R						
									--	--	---	--	Py	5

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
27.43	28.96	1.53	SHL		dark grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
30.48	32.00	1.52	SHL		dark grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
32.00	33.53	1.53	SHL		very pyrtitic shale									
						100	1W	0R						
									DK	GY	---	--	Py	10
33.53	35.05	1.52	SHL		dark grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
35.05	36.58	1.53	SHL		dark grey pyrtitic shale									
						100	1W	0R						
									DK	GY	---	--	--	0
36.58	38.10	1.52	SHL		dark grey pyrtitic shale									
						100	1W	0R						
									DK	GY	---	--	Py	1
38.10	39.62	1.52	SHL		dark grey pyrtitic shale									
						100	1W	0R						
									DK	GY	---	--	Py	5
39.62	41.15	1.53	SHL		dark grey pyrtitic shale									
						100	1W	0R						
									DK	GY	---	--	--	0
41.15	42.67	1.52	SHL		dark grey pyrtitic shale									
						100	1W	0R						
									DK	GY	---	--	Py	2
42.67	44.20	1.53	SHL		dark grey pyrtitic shale									
						100	1W	0R						
									DK	GY	---	--	Py	1
44.20	45.72	1.52	SHL		grey shale pyrtitic									
						100	1W	0R						
									DK	GY	---	--	--	0
45.72	47.24	1.52	SHL		dark grey pyrtitic shale									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	0R						
									DK	GY	---	--	Py	1
47.24	48.77	1.53	SHL		grey pyrtitic shale									
						100	1W	0R						
									DK	GY	---	--	--	0
48.77	50.29	1.52	SHL		dark grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0

ARB-16-037

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	3.05	1.53				r609665	☐	N16-B03			☐	☐	☐
3.05	4.57	1.52				r609666	☐	N16-B03			☐	☐	☐
4.57	6.10	1.53				r609667	☐	N16-B03			☐	☐	☐
6.10	7.62	1.52				r609668	☐	N16-B03			☐	☐	☐
7.62	9.14	1.52				r609669	☐	N16-B03			☐	☐	☐
9.14	10.67	1.53				r609670	☐	N16-B03			☐	☐	☐
10.67	12.19	1.52				r609671	☐	N16-B03			☐	☐	☐
12.19	13.72	1.53				r609672	☐	N16-B03			☐	☐	☐
13.72	15.24	1.52				r609673	☐	N16-B03			☐	☐	☐
15.24	16.76	1.52				r609674	☐	N16-B03			☐	☐	☐
16.76	18.29	1.53				r609675	☐	N16-B03			☐	☐	☐
18.29	19.81	1.52				r609676	☐	N16-B03			☐	☐	☐
19.81	21.34	1.53				r609677	☐	N16-B03			☐	☐	☐
21.34	22.86	1.52				r609678	☐	N16-B03			☐	☐	☐
22.86	24.38	1.52				r609679	☐	N16-B03			☐	☐	☐
24.38	25.91	1.53				r609680	☐	N16-B03			☐	☐	☐
25.91	27.43	1.52				r609681	☐	N16-B03			☐	☐	☐
27.43	28.96	1.53				r609682	☐	N16-B03			☐	☐	☐
28.96	30.48	1.52				r609683	☐	N16-B03			☐	☐	☐
30.48	32.00	1.52				r609684	☐	N16-B03			☐	☐	☐
32.00	33.53	1.53				r609685	☐	N16-B03			☐	☐	☐
33.53	35.05	1.52				r609686	☐	N16-B03			☐	☐	☐
35.05	36.58	1.53				r609687	☐	N16-B03			☐	☐	☐
36.58	38.10	1.52				r609688	☐	N16-B03			☐	☐	☐
38.10	39.62	1.52				r609689	☐	N16-B03			☐	☐	☐
39.62	41.15	1.53				r609690	☐	N16-B03			☐	☐	☐
41.15	42.67	1.52				r609691	☐	N16-B03			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
42.67	44.20	1.53				r609692	☐	N16-B03			☐	☐	☐
44.20	45.72	1.52				r609693	☐	N16-B03			☐	☐	☐
45.72	47.24	1.52				r609694	☐	N16-B03			☐	☐	☐
47.24	48.77	1.53				r609695	☐	N16-B03			☐	☐	☐
48.77	50.29	1.52				r609696	☐	N16-B03			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618821	7113136	1362	50.29

ZONE: Orion

SECTION:

HOLE: ARB-16-038

CLAIM: Dale 12

Contractor: Superior

Drill: 6

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 09 - Jul 10, 2016

Geology Logged By: R. Phillips

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	R607545 to R607576
Total:	32
Batch:	B03, B04
Certificates:	TR16111108, VA16112572

COMMENTS
Hole drilled on nightshift. Hole ended as return was slowly being lost, hammer might be freezing at depth? Casing to 45 ft.

ARB-16-038

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	SHL		black shale									
						100	1W	0R	--	--	---	--	--	0
1.52	3.05	1.53	SHL		black shale									
						100	1W	2R	MD	BK	---	--	--	0
3.05	4.57	1.52	SHL		black shale									
						100	1W	2R	MD	BK	---	--	--	0
4.57	6.10	1.53	SHL		black shale									
						100	2W	3R	MD	BK	---	--	--	0
6.10	7.62	1.52	SHL		black shale with qtz rich sandstone chips									
						100	2W	4R	MD	BK	---	--	--	0
7.62	9.14	1.52	SHL		calcareous shale									
						100	1W	3R	DK	BN	---	--	--	0
9.14	10.67	1.53	SHL		calcareous shale									
						100	1W	3R	DK	BN	---	--	--	0
10.67	12.19	1.52	SHL		shale									
						100	1W	1R	DK	GY	---	--	--	0
12.19	13.72	1.53	SHL		shale									
						100	1W	1R	DK	BK	---	--	--	0
13.72	15.24	1.52	SHL		shale									
						100	1W	1R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									DK	TP	---	--	--	0
15.24	16.76	1.52	SHL		shale									
						100	1W	0R						
									DK	GY	---	--	--	0
16.76	18.29	1.53	SHL		shale									
						100	1W	0R						
									DK	GY	OXI	1I	--	0
18.29	19.81	1.52	SHL		wet shale									
						100	1W	0R						
									MD	GY	---	--	--	0
19.81	21.34	1.53	SHL		wet shale									
						100	1W	0R						
									DK	GY	---	--	--	0
21.34	22.86	1.52	SHL		wet shale									
						100	1W	0R						
									DK	GY	---	--	--	0
22.86	24.38	1.52	SHL		wet shale									
						100	1W	0R						
									DK	GY	---	--	--	0
24.38	25.91	1.53	SHL		very wet shale									
						100	1W	0R						
									DK	GY	---	--	--	0
25.91	27.43	1.52	SHL		wet shale									
						100	1W	0R						
									DK	GY	---	--	--	0
27.43	28.96	1.53	SHL		wet shale									
						100	1W	0R						
									DK	GY	---	--	--	0
28.96	30.48	1.52	SHL		wet shale									
						100	1W	0R						
									DK	GY	---	--	--	0
30.48	32.00	1.52	SHL		wet shale									
						100	1W	0R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									DK	GY	---	--	--	0
32.00	33.53	1.53	SHL		wet shale									
						100	1W	0R						
									DK	GY	---	--	--	0
33.53	35.05	1.52	SHL		wet shale									
						100	1W	0R						
									DK	GY	---	--	--	0
35.05	36.58	1.53	SHL		wet shale									
						100	1W	0R						
									DK	GY	---	--	--	0
36.58	38.10	1.52	SHL		wet shale									
						100	1W	0R						
									DK	GY	---	--	--	0
38.10	39.62	1.52	SHL		wet shale									
						100	1W	0R						
									DK	GY	---	--	--	0
39.62	41.15	1.53	SHL		wet medium brown shale									
						100	1W	0R						
									MD	BN	OXI	3I	--	0
41.15	42.67	1.52	SHL		wet md bn shalke									
						100	1W	1R						
									MD	BN	OXI	3I	--	0
42.67	44.20	1.53	LST		very wet md bn limestone									
						100	1W	4R						
									MD	BN	OXI	4I	--	0
44.20	45.72	1.52	LST		wet md bn lst									
						100	1W	4R						
									MD	BN	OXI	4I	--	0
45.72	47.24	1.52	LST		wet md bn md gy limestone									
						100	1W	4R						
									MD	BN	OXI	3I	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									MD	GY				
47.24	48.77	1.53	LST		Md taupe limestone									
						100	1W	4R						
									MD	TP	OXI	2I	--	0
48.77	50.29	1.52	LST		bk limestone									
						100	1W	4R						
									MD	BK	OXI	1I	--	0

ARB-16-038

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	3.05	1.53				R607545	☐	N16-B03			☐	☐	☐
3.05	4.57	1.52				R607546	☐	N16-B03			☐	☐	☐
4.57	6.10	1.53				R607547	☐	N16-B03			☐	☐	☐
6.10	7.62	1.52				R607548	☐	N16-B03			☐	☐	☐
7.62	9.14	1.52				R607549	☐	N16-B03			☐	☐	☐
9.14	10.67	1.53				R607550	☐	N16-B03			☐	☐	☐
10.67	12.19	1.52				R607551	☐	N16-B03			☐	☐	☐
12.19	13.72	1.53				R607552	☐	N16-B03			☐	☐	☐
13.72	15.24	1.52				R607553	☐	N16-B03			☐	☐	☐
15.24	16.76	1.52				R607554	☐	N16-B03			☐	☐	☐
16.76	18.29	1.53				R607555	☐	N16-B03			☐	☐	☐
18.29	19.81	1.52				R607556	☐	N16-B04			☐	☐	☐
19.81	21.34	1.53				R607557	☐	N16-B04			☐	☐	☐
21.34	22.86	1.52				R607558	☐	N16-B04			☐	☐	☐
22.86	24.38	1.52				R607559	☐	N16-B04			☐	☐	☐
24.38	25.91	1.53				R607560	☐	N16-B04			☐	☐	☐
25.91	27.43	1.52				R607561	☐	N16-B04			☐	☐	☐
27.43	28.96	1.53				R607562	☐	N16-B04			☐	☐	☐
28.96	30.48	1.52				R607563	☐	N16-B04			☐	☐	☐
30.48	32.00	1.52				R607564	☐	N16-B04			☐	☐	☐
32.00	33.53	1.53				R607565	☐	N16-B04			☐	☐	☐
33.53	35.05	1.52				R607566	☐	N16-B04			☐	☐	☐
35.05	36.58	1.53				R607567	☐	N16-B04			☐	☐	☐
36.58	38.10	1.52				R607568	☐	N16-B04			☐	☐	☐
38.10	39.62	1.52				R607569	☐	N16-B04			☐	☐	☐
39.62	41.15	1.53				R607570	☐	N16-B04			☐	☐	☐
41.15	42.67	1.52				R607571	☐	N16-B04			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
42.67	44.20	1.53				R607572	☐	N16-B04			☐	☐	☐
44.20	45.72	1.52				R607573	☐	N16-B04			☐	☐	☐
45.72	47.24	1.52				R607574	☐	N16-B04			☐	☐	☐
47.24	48.77	1.53				R607575	☐	N16-B04			☐	☐	☐
48.77	50.29	1.52				R607576	☐	N16-B04			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618822	7113138	1363	47.24

ZONE: Orion

SECTION:

HOLE: ARB-16-039

CLAIM: Dale 12

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 10 - Jul 10, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r609697 to r609727
Total:	31
Batch:	B04
Certificates:	VA16112572

COMMENTS
Hole starts in limestone, goes into pyritic shale, then into noncalcareous nonpyritic shale. Casing to 35 ft.

ARB-16-039

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	LST		dk brown limestone									
						25	1W	0R						
									DK	GY	---	--	--	0
						75	2W	0R						
									MD	BN	---	--	--	0
1.52	3.05	1.53	LST		dk brown limestone									
						100	2W	3R						
									DK	GY	---	--	--	0
3.05	4.57	1.52	LST		dk brown limestone									
						100	1W	3R						
									DK	GY	---	--	--	0
4.57	6.10	1.53	LST		med brown limestone									
						100	1W	4R						
									MD	BN	---	--	--	0
6.10	7.62	1.52	LST		med brown limestone									
						100	1W	4R						
									MD	BN	---	--	--	0
7.62	9.14	1.52	LST		brown limestone. maybe brown shale, as it is non calcareous									
						100	1W	0R						
									MD	BN	---	--	--	0
9.14	10.67	1.53	SHL		med grey non calcareous shale									
						100	1W	0R						
									MD	GY	---	--	--	0
10.67	12.19	1.52	SHL		med grey shale									
						100	1W	0R						
									MD	GY	ARG	--	--	0
12.19	13.72	1.53	SHL		medium grey shale									
						100	1W	0R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									MD	GY	---	--	--	0
13.72	15.24	1.52	SHL		med grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
15.24	16.76	1.52	SHL		dark grey shale with pyrite									
						100	1W	0R						
									DK	GY	---	--	Py	0.5
16.76	18.29	1.53	SHL		MD grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
18.29	19.81	1.52	SHL		med grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
19.81	21.34	1.53	SHL		med grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
21.34	22.86	1.52	SHL		med grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
22.86	24.38	1.52	SHL		med grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
24.38	25.91	1.53	SHL		medium grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
25.91	27.43	1.52	SHL		medium grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
27.43	28.96	1.53	SHL		medium grey shale									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	0R						
									MD	GY	---	--	--	0
28.96	30.48	1.52	SHL		medium grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
30.48	32.00	1.52	SHL		medium grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
32.00	33.53	1.53	SHL		medium grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
33.53	35.05	1.52	SHL		medium grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
35.05	36.58	1.53	SHL		medium grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
36.58	38.10	1.52	SHL		medium grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
38.10	39.62	1.52	SHL		medium grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
39.62	41.15	1.53	SHL		medium grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
41.15	42.67	1.52	SHL		medium grey shale									
						100	1W	0R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									MD	GY	---	--	--	0
42.67	44.20	1.53	SHL		medium grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
44.20	45.72	1.52	SHL		medium grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
45.72	47.24	1.52	SHL		medium grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
47.24	48.77	1.53	SHL		black shale. not enough return to sample. eoh!									
						100	1W	0R						
									DK	BK	---	--	--	0

ARB-16-039

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	1.52	1.52				r609697	☐	N16-B04			☐	☐	☐
1.52	3.05	1.53				r609698	☐	N16-B04			☐	☐	☐
3.05	4.57	1.52				r609699	☐	N16-B04			☐	☐	☐
4.57	6.10	1.53				r609700	☐	N16-B04			☐	☐	☐
6.10	7.62	1.52				r609701	☐	N16-B04			☐	☐	☐
7.62	9.14	1.52				r609702	☐	N16-B04			☐	☐	☐
9.14	10.67	1.53				r609703	☐	N16-B04			☐	☐	☐
10.67	12.19	1.52				r609704	☐	N16-B04			☐	☐	☐
12.19	13.72	1.53				r609705	☐	N16-B04			☐	☐	☐
13.72	15.24	1.52				r609706	☐	N16-B04			☐	☐	☐
15.24	16.76	1.52				r609707	☐	N16-B04			☐	☐	☐
16.76	18.29	1.53				r609708	☐	N16-B04			☐	☐	☐
18.29	19.81	1.52				r609709	☐	N16-B04			☐	☐	☐
19.81	21.34	1.53				r609710	☐	N16-B04			☐	☐	☐
21.34	22.86	1.52				r609711	☐	N16-B04			☐	☐	☐
22.86	24.38	1.52				r609712	☐	N16-B04			☐	☐	☐
24.38	25.91	1.53				r609713	☐	N16-B04			☐	☐	☐
25.91	27.43	1.52				r609714	☐	N16-B04			☐	☐	☐
27.43	28.96	1.53				r609715	☐	N16-B04			☐	☐	☐
28.96	30.48	1.52				r609716	☐	N16-B04			☐	☐	☐
30.48	32.00	1.52				r609717	☐	N16-B04			☐	☐	☐
32.00	33.53	1.53				r609718	☐	N16-B04			☐	☐	☐
33.53	35.05	1.52				r609719	☐	N16-B04			☐	☐	☐
35.05	36.58	1.53				r609720	☐	N16-B04			☐	☐	☐
36.58	38.10	1.52				r609721	☐	N16-B04			☐	☐	☐
38.10	39.62	1.52				r609722	☐	N16-B04			☐	☐	☐
39.62	41.15	1.53				r609723	☐	N16-B04			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
41.15	42.67	1.52				r609724	☐	N16-B04			☐	☐	☐
42.67	44.20	1.53				r609725	☐	N16-B04			☐	☐	☐
44.20	45.72	1.52				r609726	☐	N16-B04			☐	☐	☐
45.72	47.24	1.52				r609727	☐	N16-B04			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618854	7113121	1378	44.2

ZONE: Orion

SECTION:

HOLE: ARB-16-040

CLAIM: Dale 12

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 10 - Jul 11, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r500851 to r500878
Total:	28
Batch:	B04, B04, B05
Certificates:	VA16112572, VA16115421

COMMENTS

Casing to 35 ft. Lost return at 145 ft. Lost 15 ft of casing with shoe.

ARB-16-040

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	OVB		ovb no recovery									
						100	--	--						
									--	--	---	--	--	0
1.52	3.05	1.53	SHL		grey non calcareous shale									
						100	2W	0R						
									DK	GY	---	--	--	0
3.05	4.57	1.52	SHL		dark grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
4.57	6.10	1.53	LST		weakly calcareous brown limestone									
						100	1W	2R						
									MD	BN	---	--	--	0
6.10	7.62	1.52	LST		still looks like brown limestone, but non calcareous									
						100	1W	0R						
									MD	BN	---	--	--	0
7.62	9.14	1.52	SHL		dark grey shale									
						100	1W	0R						
									DK	GY	---	--	--	100
9.14	10.67	1.53	SHL		grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
10.67	12.19	1.52	SHL		grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
12.19	13.72	1.53	SHL		grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
13.72	15.24	1.52	SHL		grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
15.24	16.76	1.52	SHL		grey shale									
						100	1W	0R	DK	GY	---	--	--	0
16.76	18.29	1.53	SHL		very wet grey shale									
						100	1W	0R	MD	GY	---	--	--	0
18.29	19.81	1.52	SHL		wet grey shale									
						100	1W	0R	DK	GY	---	--	--	0
19.81	21.34	1.53	SHL		wet grey shale									
						100	1W	0R	DK	GY	---	--	--	0
21.34	22.86	1.52	SHL		wet grey shale									
						100	1W	0R	DK	GY	---	--	--	0
22.86	24.38	1.52	SHL		wet grey shale									
						100	1W	0R	DK	GY	---	--	--	0
24.38	25.91	1.53	SHL		wet grey shale									
						100	1W	0R	DK	GY	---	--	--	0
25.91	27.43	1.52	SHL		nearly dry grey shale									
						100	1W	0R	DK	GY	---	--	--	0
28.96	30.48	1.52	SHL		nearly dry grey shale									
						100	1W	0R	DK	GY	---	--		
30.48	32.00	1.52	SHL		nearly dry grey shale									
						100	1W	0R	DK	GY	---	--	--	0
32.00	33.53	1.53	SHL		grey shale									
						100	1W	0R	DK	GY	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
33.53	35.05	1.52	SHL		grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
35.05	36.58	1.53	SHL		grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
36.58	38.10	1.52	SHL		grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
38.10	39.62	1.52	SHL		Grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
39.62	41.15	1.53	SHL		Grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
41.15	42.67	1.52	SHL		Grey shale.									
						100	1W	0R						
									DK	GY	---	--	--	0
42.67	44.20	1.53	SHL		Medium grey shale with large fragments. EOH									
						100	1W	0R						
									MD	GY	---	--	--	0

ARB-16-040

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	3.05	1.53				r500851	☐	N16-B04			☐	☐	☐
3.05	4.57	1.52				r500852	☐	N16-B04			☐	☐	☐
4.57	6.10	1.53				r500853	☐	N16-B04			☐	☐	☐
6.10	7.62	1.52				r500854	☐	N16-B04			☐	☐	☐
7.62	9.14	1.52				r500855	☐	N16-B04			☐	☐	☐
9.14	10.67	1.53				r500856	☐	N16-B04			☐	☐	☐
10.67	12.19	1.52				r500857	☐	N16-B04			☐	☐	☐
12.19	13.72	1.53				r500858	☐	N16-B05			☐	☐	☐
13.72	15.24	1.52				r500859	☐	N16-B05			☐	☐	☐
15.24	16.76	1.52				r500860	☐	N16-B05			☐	☐	☐
16.76	18.29	1.53				r500861	☐	N16-B05			☐	☐	☐
18.29	19.81	1.52				r500862	☐	N16-B05			☐	☐	☐
19.81	21.34	1.53				r500863	☐	N16-B05			☐	☐	☐
21.34	22.86	1.52				r500864	☐	N16-B05			☐	☐	☐
22.86	24.38	1.52				r500865	☐	N16-B05			☐	☐	☐
24.38	25.91	1.53				r500866	☐	N16-B05			☐	☐	☐
25.91	27.43	1.52				r500867	☐	N16-B05			☐	☐	☐
27.43	28.96	1.53				r500868	☐	N16-B05			☐	☐	☐
28.96	30.48	1.52				r500869	☐	N16-B05			☐	☐	☐
30.48	32.00	1.52				r500870	☐	N16-B05			☐	☐	☐
32.00	33.53	1.53				r500871	☐	N16-B05			☐	☐	☐
33.53	35.05	1.52				r500872	☐	N16-B05			☐	☐	☐
35.05	36.58	1.53				r500873	☐	N16-B05			☐	☐	☐
36.58	38.10	1.52				r500874	☐	N16-B05			☐	☐	☐
38.10	39.62	1.52				r500875	☐	16-B04			☐	☐	☐
39.62	41.15	1.53				r500876	☐	16-B04			☐	☐	☐
41.15	42.67	1.52				r500877	☐	16-B04			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
42.67	44.20	1.53				r500878	☐	16-B04			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618852	7113123	1376	28.96

ZONE: Orion

SECTION:

HOLE: ARB-16-041

CLAIM: Dale 12

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 11 - Jul 11, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r609728 to r609745
Total:	18
Batch:	B04, B05
Certificates:	VA16112572, VA16115421

COMMENTS

Casing to 35 ft. Lost return and air at 100 ft.

ARB-16-041

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	OVB		ovb not enough material to sample									
						100	1W	0R						
									--	--	---	--	--	0
1.52	3.05	1.53	SHL		brown shale									
						100	2W	0R						
									DK	BN	---	--	--	0
3.05	4.57	1.52	SHL		grey shale									
						100	2W	0R						
									DK	GY	---	--	--	0
4.57	6.10	1.53	LST		few fragments of limestone									
						10	1W	2R						
									MD	BN	---	--	--	0
						90	2W	0R						
									DK	GY	---	--	--	0
7.62	9.14	1.52	SST		weakly calcareous limestone									
						100	1W	2R						
									MD	BN	---	--	--	0
9.14	10.67	1.53	LST		weakly calcareous limestone									
						100	--	2R						
									MD	BN	---	--	--	0
10.67	12.19	1.52	LST		weakly calcareous limestone									
						100	1W	2R						
									MD	GY	---	--	--	0
12.19	13.72	1.53	LST		very weakly calcareous limestone									
						100	1W	1R						
									MD	BN	---	--	--	0
13.72	15.24	1.52	LST		non calcareous limestone									
						100	1W	0R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									MD	BN	---	--	--	0
15.24	16.76	1.52	SHL		medium grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
16.76	18.29	1.53	SHL		grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
18.29	19.81	1.52	SHL		wet grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
19.81	21.34	1.53	SHL		dry pebbly grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
21.34	22.86	1.52	SHL		dark grey dry shale									
						100	1W	0R						
									DK	GY	---	--	--	0
22.86	24.38	1.52	SHL		dark grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
24.38	25.91	1.53	SHL		grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
25.91	27.43	1.52	SHL		grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
27.43	28.96	1.53	SHL		grey shale eoh									
						100	1W	0R						
									DK	GY	---	--	--	0
38.10	39.62	1.52	SHL		grey shale -for arb-16-040									
						100	1W	0R						
									DK	GY	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
39.62	41.15	1.53	SHL		grey shale for arb-16-040									
						100	1W	0R						
									DK	GY	---	--	--	0
41.15	42.67	1.52	SHL		grey shale for arb-16-040									
						100	1W	0R						
									DK	GY	---	--	--	0
42.67	44.20	1.53	SHL		med grey shale with large fragments for arb-16-040									
						100	1W	0R						
									MD	GY	---	--	--	0

ARB-16-041

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	3.05	1.53				r609728	☐	N16-B04			☐	☐	☐
3.05	4.57	1.52				r609729	☐	N16-B04			☐	☐	☐
4.57	6.10	1.53				r609730	☐	N16-B04			☐	☐	☐
6.10	7.62	1.52				r609731	☐	N16-B04			☐	☐	☐
7.62	9.14	1.52				r609732	☐	N16-B04			☐	☐	☐
9.14	10.67	1.53				r609733	☐	N16-B04			☐	☐	☐
10.67	12.19	1.52				r609734	☐	N16-B04			☐	☐	☐
12.19	13.72	1.53				r609735	☐	N16-B05			☐	☐	☐
13.72	15.24	1.52				r609736	☐	N16-B05			☐	☐	☐
15.24	16.76	1.52				r609737	☐	N16-B05			☐	☐	☐
16.76	18.29	1.53				r609738	☐	N16-B05			☐	☐	☐
18.29	19.81	1.52				r609739	☐	N16-B05			☐	☐	☐
19.81	21.34	1.53				r609740	☐	N16-B05			☐	☐	☐
21.34	22.86	1.52				r609741	☐	N16-B05			☐	☐	☐
22.86	24.38	1.52				r609742	☐	N16-B05			☐	☐	☐
24.38	25.91	1.53				r609743	☐	N16-B05			☐	☐	☐
25.91	27.43	1.52				r609744	☐	N16-B05			☐	☐	☐
27.43	28.96	1.53				r609745	☐	N16-B05			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618855	7113124	1377	65.53

ZONE: Orion

SECTION:

HOLE: ARB-16-042

CLAIM: Dale 12

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 11 - Jul 11, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r609749 to r609790
Total:	42
Batch:	B05
Certificates:	VA16115421

COMMENTS
Hole ended at 215 ft, using the last of the avaliable rods. Casing to 25 ft.

ARB-16-042

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
1.52	3.05	1.53	SHL		calcareous black shale									
						100	1W	2R						
									DK	BK	ARG	--	--	0
3.05	4.57	1.52	SHL		non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
4.57	6.10	1.53	SHL		grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
6.10	7.62	1.52	SHL		grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
7.62	9.14	1.52	SHL		grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
									DK	GY	---	--	--	0
9.14	10.67	1.53	SHL		grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
10.67	12.19	1.52	SHL		grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
12.19	13.72	1.53	SHL		grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
13.72	15.24	1.52	SHL		grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
15.24	16.76	1.52	SHL		black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
16.76	18.29	1.53	SHL		black shale									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	0R						
									DK	BK	---	--	--	0
18.29	19.81	1.52	SHL		black shale									
						100	1W	0R						
									DK	BK			--	0
19.81	21.34	1.53	SHL		black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
21.34	22.86	1.52	SHL		wet dark grey shale									
						100	1W	0R						
									DK	GY			--	0
22.86	24.38	1.52	SHL		grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
24.38	25.91	1.53	SHL		grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
25.91	27.43	1.52	SHL		wet grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
27.43	28.96	1.53	SHL		wet grey shale									
						100	1W	0R						
									MD	GY				
28.96	30.48	1.52	SHL		wet grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
30.48	32.00	1.52	SHL		wet grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
32.00	33.53	1.53	SHL		wet grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
33.53	35.05	1.52	SHL		black wet shale									
						100	1W	0R						
									DK	BK	---	--	--	0
35.05	36.58	1.53	SHL		wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
36.58	38.10	1.52	SHL		wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
38.10	39.62	1.52	SHL		wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	100
39.62	41.15	1.53	SHL		wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
41.15	42.67	1.52	SHL		wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
42.67	44.20	1.53	SHL		wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
44.20	45.72	1.52	SHL		wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
45.72	47.24	1.52	SHL		wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
47.24	48.77	1.53	SHL		wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
48.77	50.29	1.52	SHL		wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
50.29	51.82	1.53	SHL		wet black shale									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	0R						
									DK	BK	---	--	--	0
51.82	53.34	1.52	SHL		wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
53.34	54.86	1.52	SHL		wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
54.86	56.39	1.53	SHL		wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
56.39	57.91	1.52	SHL		wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
57.91	59.44	1.53	SHL		wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
59.44	60.96	1.52	SHL		wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
60.96	62.48	1.52	SHL		wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
62.48	64.01	1.53	SHL		wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
									DK	BK	---	--		
64.01	65.53	1.52	SHL		wet black shale									
						100	1W	0R						
									DK	BK	---	--	--	0

ARB-16-042

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	3.05	1.53				r609749	☐	N16-B05			☐	☐	☐
3.05	4.57	1.52				r609750	☐	N16-B05			☐	☐	☐
4.57	6.10	1.53				r609751	☐	N16-B05			☐	☐	☐
6.10	7.62	1.52				r609752	☐	N16-B05			☐	☐	☐
7.62	9.14	1.52				r609753	☐	N16-B05			☐	☐	☐
9.14	10.67	1.53				r609754	☐	N16-B05			☐	☐	☐
10.67	12.19	1.52				r609755	☐	N16-B05			☐	☐	☐
12.19	13.72	1.53				r609756	☐	N16-B05			☐	☐	☐
13.72	15.24	1.52				r609757	☐	N16-B05			☐	☐	☐
15.24	16.76	1.52				r609758	☐	N16-B05			☐	☐	☐
16.76	18.29	1.53				r609759	☐	N16-B05			☐	☐	☐
18.29	19.81	1.52				r609760	☐	N16-B05			☐	☐	☐
19.81	21.34	1.53				r609761	☐	N16-B05			☐	☐	☐
21.34	22.86	1.52				r609762	☐	N16-B05			☐	☐	☐
22.86	24.38	1.52				r609763	☐	N16-B05			☐	☐	☐
24.38	25.91	1.53				r609764	☐	N16-B05			☐	☐	☐
25.91	27.43	1.52				r609765	☐	N16-B05			☐	☐	☐
27.43	28.96	1.53				r609766	☐	N16-B05			☐	☐	☐
28.96	30.48	1.52				r609767	☐	N16-B05			☐	☐	☐
30.48	32.00	1.52				r609768	☐	N16-B05			☐	☐	☐
32.00	33.53	1.53				r609769	☐	N16-B05			☐	☐	☐
33.53	35.05	1.52				r609770	☐	N16-B05			☐	☐	☐
35.05	36.58	1.53				r609771	☐	N16-B05			☐	☐	☐
36.58	38.10	1.52				r609772	☐	N16-B05			☐	☐	☐
38.10	39.62	1.52				r609773	☐	N16-B05			☐	☐	☐
39.62	41.15	1.53				r609774	☐	N16-B05			☐	☐	☐
41.15	42.67	1.52				r609775	☐	N16-B05			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
42.67	44.20	1.53				r609776	☐	N16-B05			☐	☐	☐
44.20	45.72	1.52				r609777	☐	N16-B05			☐	☐	☐
45.72	47.24	1.52				r609778	☐	N16-B05			☐	☐	☐
47.24	48.77	1.53				r609779	☐	N16-B05			☐	☐	☐
48.77	50.29	1.52				r609780	☐	N16-B05			☐	☐	☐
50.29	51.82	1.53				r609781	☐	N16-B05			☐	☐	☐
51.82	53.34	1.52				r609782	☐	N16-B05			☐	☐	☐
53.34	54.86	1.52				r609783	☐	N16-B05			☐	☐	☐
54.86	56.39	1.53				r609784	☐	N16-B05			☐	☐	☐
56.39	57.91	1.52				r609785	☐	N16-B05			☐	☐	☐
57.91	59.44	1.53				r609786	☐	N16-B05			☐	☐	☐
59.44	60.96	1.52				r609787	☐	N16-B05			☐	☐	☐
60.96	62.48	1.52				r609788	☐	N16-B05			☐	☐	☐
62.48	64.01	1.53				r609789	☐	N16-B05			☐	☐	☐
64.01	65.53	1.52				r609790	☐	N16-B05			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618857	7113124	1379	44.2

ZONE: Orion

SECTION:

HOLE: ARB-16-043

CLAIM: Dale 12

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 12 - Jul 12, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET: Orion

SUMMARY

SAMPLES	
Numbers:	r609791 to r609818
Total:	28
Batch:	B05
Certificates:	VA16115421

COMMENTS
Hole ended at 145 ft when return was lost. Casing to 25 ft.

ARB-16-043

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
1.52	3.05	1.53	SHL		medium brown shale									
						100	2W	2R	MD	BN	---	--	--	0
3.05	4.57	1.52	SHL		brown calcareous shale									
						100	2W	2R	MD	BN	---	--	--	0
4.57	6.10	1.53	SHL		calcareous brown shale									
						100	2W	2R	MD	BN	---	--	--	0
6.10	7.62	1.52	SHL		non calcareous brown shale									
						100	2W	0R	MD	BN	---	--	--	0
7.62	9.14	1.52	SHL		brown non calcareous shale									
						100	2W	0R	LT	BN	---	--	--	0
9.14	10.67	1.53	SHL		non calcareous brown shale									
						100	2W	0R	MD	BN	---	--	--	0
10.67	12.19	1.52	SHL		non calcareous brown shale									
						100	1W	0R	MD	BN	---	--	--	0
12.19	13.72	1.53	SHL		non calcareous brown shale									
						100	2W	0R	MD	BN	---	--	--	0
13.72	15.24	1.52	SHL		dark grey shale									
						100	1W	0R	DK	GY	---	--	--	0
15.24	16.76	1.52	SHL		wet grey shale									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	0R						
									MD	GY	---	--	--	0
16.76	18.29	1.53	SHL		wet grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
18.29	19.81	1.52	SHL		wet grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
19.81	21.34	1.53	SHL		wet grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
21.34	22.86	1.52	SHL		dark grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
22.86	24.38	1.52	SHL		dark grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
24.38	25.91	1.53	SHL		dark grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
25.91	27.43	1.52	SHL		wet grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
27.43	28.96	1.53	SHL		wet grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
28.96	30.48	1.52	SHL		wet shale									
						100	1W	0R						
									DK	GY	---	--	--	0
30.48	32.00	1.52	SHL		dark black shale with quartz fragments									
						100	1W	0R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									DK	BK	---	--	Qz	1
32.00	33.53	1.53	SHL		black shale with quartz fragments									
						100	1W	0R						
									DK	BK	---	--	Qz	1
33.53	35.05	1.52	SHL		black shale quartz fragments									
						100	1W	0R						
									DK	BK	---	--	Qz	1
35.05	36.58	1.53	SHL		black shale with quartz fragments									
						100	1W	0R						
									DK	BK	---	--	Qz	1
36.58	38.10	1.52	SHL		black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
38.10	39.62	1.52	SHL		black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
39.62	41.15	1.53	SHL		black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
41.15	42.67	1.52	SHL		dark black black									
						100	1W	0R						
									DK	BK	---	--	--	0
42.67	44.20	1.53	SHL		black shale eoh									
						100	1W	0R						
									DK	BK	---	--	--	0

ARB-16-043

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	3.05	1.53				r609791	☐	N16-B05			☐	☐	☐
3.05	4.57	1.52				r609792	☐	N16-B05			☐	☐	☐
4.57	6.10	1.53				r609793	☐	N16-B05			☐	☐	☐
6.10	7.62	1.52				r609794	☐	N16-B05			☐	☐	☐
7.62	9.14	1.52				r609795	☐	N16-B05			☐	☐	☐
9.14	10.67	1.53				r609796	☐	N16-B05			☐	☐	☐
10.67	12.19	1.52				r609797	☐	N16-B05			☐	☐	☐
12.19	13.72	1.53				r609798	☐	N16-B05			☐	☐	☐
13.72	15.24	1.52				r609799	☐	N16-B05			☐	☐	☐
15.24	16.76	1.52				r609800	☐	N16-B05			☐	☐	☐
16.76	18.29	1.53				r609801	☐	N16-B05			☐	☐	☐
18.29	19.81	1.52				r609802	☐	N16-B05			☐	☐	☐
19.81	21.34	1.53				r609803	☐	N16-B05			☐	☐	☐
21.34	22.86	1.52				r609804	☐	N16-B05			☐	☐	☐
22.86	24.38	1.52				r609805	☐	N16-B05			☐	☐	☐
24.38	25.91	1.53				r609806	☐	N16-B05			☐	☐	☐
25.91	27.43	1.52				r609807	☐	N16-B05			☐	☐	☐
27.43	28.96	1.53				r609808	☐	N16-B05			☐	☐	☐
28.96	30.48	1.52				r609809	☐	N16-B05			☐	☐	☐
30.48	32.00	1.52				r609810	☐	N16-B05			☐	☐	☐
32.00	33.53	1.53				r609811	☐	N16-B05			☐	☐	☐
33.53	35.05	1.52				r609812	☐	N16-B05			☐	☐	☐
35.05	36.58	1.53				r609813	☐	N16-B05			☐	☐	☐
36.58	38.10	1.52				r609814	☐	N16-B05			☐	☐	☐
38.10	39.62	1.52				r609815	☐	N16-B05			☐	☐	☐
39.62	41.15	1.53				r609816	☐	N16-B05			☐	☐	☐
41.15	42.67	1.52				r609817	☐	N16-B05			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
42.67	44.20	1.53				r609818	☐	N16-B05			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618876	7113066	1401	50.29

ZONE: Orion

SECTION:

HOLE: ARB-16-044

CLAIM: Dale 12

Contractor: Superior

Drill: 8

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 13 - Jul 13, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET: Orion

SUMMARY

SAMPLES	
Numbers:	r609819 to r609850
Total:	32
Batch:	B05
Certificates:	VA16115421

COMMENTS
Hole ended at 165 ft when return was lost. Casing to 35 ft.

ARB-16-044

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
1.52	3.05	1.53	SHL		calcareous black shale									
						100	1W	3R						
									DK	BK	---	--	--	0
3.05	4.57	1.52	SHL		calcareous black shale									
						100	1W	3R						
									DK	BK	---	--	--	0
4.57	6.10	1.53	SHL		calcareous black shale									
						100	1W	2R						
									DK	BK	---	--	--	0
6.10	7.62	1.52	SHL		calcareous black shale									
						100	1W	1R						
									DK	BK	---	--	--	0
7.62	9.14	1.52	SHL		calcareous black shale									
						100	1W	3R						
									DK	BK	---	--	--	0
9.14	10.67	1.53	SHL		calcareous black shale									
						100	1W	3R						
									DK	BK	---	--	--	0
10.67	12.19	1.52	SHL		calcareous black shale									
						100	1W	2R						
									DK	BK	---	--	--	0
12.19	13.72	1.53	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
13.72	15.24	1.52	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
15.24	16.76	1.52	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--		
16.76	18.29	1.53	SHL		non calcareous black shale									
						100	1W	0R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									DK	BK	---	--	--	0
18.29	19.81	1.52	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
19.81	21.34	1.53	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
21.34	22.86	1.52	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
22.86	24.38	1.52	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
24.38	25.91	1.53	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
25.91	27.43	1.52	SHL		calcareous black shale									
						100	1W	2R						
									DK	BK	---	--	--	0
27.43	28.96	1.53	SHL		calcareous black shale									
						100	1W	1R						
									DK	BK	---	--	--	0
28.96	30.48	1.52	SHL		weakly calcareous black shale									
						100	1W	1R						
									DK	BK	---	--	--	0
30.48	32.00	1.52	SHL		weakly calcareous black shale									
						100	1W	1R						
									DK	BK	---	--	--	0
32.00	33.53	1.53	SHL		weakly calcareous black shale									
						100	1W	1R						
									DK	BK	---	--	--	0
33.53	35.05	1.52	SHL		weakly calcareous black shale									
						100	1W	1R						
									DK	BK	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
35.05	36.58	1.53	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
36.58	38.10	1.52	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
38.10	39.62	1.52	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
39.62	41.15	1.53	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
41.15	42.67	1.52	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
42.67	44.20	1.53	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
44.20	45.72	1.52	SHL		grey shale									
						100	1W	0R						
									MD	GY	---	--	--	0
45.72	47.24	1.52	LST		calcareous brown limestone									
						100	1W	3R						
									MD	BN	---	--	--	0
47.24	48.77	1.53	LST		brown limestone with fragments of realgar									
						100	1W	3R						
									MD	BN	---	--	Re	1
48.77	50.29	1.52	LST		brown limestone with fragments of realgar EOH									
						100	1W	4R						
									MD	BN	---	--	Re	1

ARB-16-044

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	3.05	1.53				r609819	☐	N16-B05			☐	☐	☐
3.05	4.57	1.52				r609820	☐	N16-B05			☐	☐	☐
4.57	6.10	1.53				r609821	☐	N16-B05			☐	☐	☐
6.10	7.62	1.52				r609822	☐	N16-B05			☐	☐	☐
7.62	9.14	1.52				r609823	☐	N16-B05			☐	☐	☐
9.14	10.67	1.53				r609824	☐	N16-B05			☐	☐	☐
10.67	12.19	1.52				r609825	☐	N16-B05			☐	☐	☐
12.19	13.72	1.53				r609826	☐	N16-B05			☐	☐	☐
13.72	15.24	1.52				r609827	☐	N16-B05			☐	☐	☐
15.24	16.76	1.52				r609828	☐	N16-B05			☐	☐	☐
16.76	18.29	1.53				r609829	☐	N16-B05			☐	☐	☐
18.29	19.81	1.52				r609830	☐	N16-B05			☐	☐	☐
19.81	21.34	1.53				r609831	☐	N16-B05			☐	☐	☐
21.34	22.86	1.52				r609832	☐	N16-B05			☐	☐	☐
22.86	24.38	1.52				r609833	☐	N16-B05			☐	☐	☐
24.38	25.91	1.53				r609834	☐	N16-B05			☐	☐	☐
25.91	27.43	1.52				r609835	☐	N16-B05			☐	☐	☐
27.43	28.96	1.53				r609836	☐	N16-B05			☐	☐	☐
28.96	30.48	1.52				r609837	☐	N16-B05			☐	☐	☐
30.48	32.00	1.52				r609838	☐	N16-B05			☐	☐	☐
32.00	33.53	1.53				r609839	☐	N16-B05			☐	☐	☐
33.53	35.05	1.52				r609840	☐	N16-B05			☐	☐	☐
35.05	36.58	1.53				r609841	☐	N16-B05			☐	☐	☐
36.58	38.10	1.52				r609842	☐	N16-B05			☐	☐	☐
38.10	39.62	1.52				r609843	☐	N16-B05			☐	☐	☐
39.62	41.15	1.53				r609844	☐	N16-B05			☐	☐	☐
41.15	42.67	1.52				r609845	☐	N16-B05			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
42.67	44.20	1.53				r609846	☐	N16-B05			☐	☐	☐
44.20	45.72	1.52				r609847	☐	N16-B05			☐	☐	☐
45.72	47.24	1.52				r609848	☐	N16-B05			☐	☐	☐
47.24	48.77	1.53				r609849	☐	N16-B05			☐	☐	☐
48.77	50.29	1.52				r609850	☐	N16-B05			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618874	7113067	1400	10.67

ZONE: Orion

SECTION:

HOLE: ARB-16-045

CLAIM: Dale 12

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 13 - Jul 14, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET: Orion

SUMMARY

SAMPLES	
Numbers:	r609851 to r609853
Total:	3
Batch:	B05
Certificates:	VA16115421

COMMENTS
Hole abandoned because not enough casing on site. Will redrill this hole at a later point when casing arrives. Casing to 25 ft. Rods got stuck in the casing as the casing was packed full of clay.

ARB-16-045

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
1.52	3.05	1.53	SHL		calcareous black shale									
						100	1W	3R						
									DK	BK	---	--	--	0
3.05	4.57	1.52	SHL		calcareous black shale									
						100	1W	3R						
									DK	BK	---	--	--	0
4.57	6.10	1.53	SHL		calcareous black shale									
						100	1W	4R						
									DK	BK	---	--	--	0
6.10	7.62	1.52	SHL		calcareous black shale									
						100	1W	3R						
									DK	BK	---	--	Ak	0
9.14	10.67	1.53	SHL		calcareous black shale									
						100	1W	3R						
									DK	GY	---	--	--	0

ARB-16-045

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	3.05	1.53				r609851	☐	N16-B05			☐	☐	☐
4.57	6.10	1.53				r609852	☐	N16-B05			☐	☐	☐
6.10	7.62	1.52				r609853	☐	N16-B05			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618879	7113065	1401	48.77

ZONE: Orion

SECTION:

HOLE: ARB-16-046

CLAIM: Dale 12

Contractor: Superior

Drill: 8

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 14 - Jul 14, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET: Orion

SUMMARY

SAMPLES	
Numbers:	r609854 to r609880
Total:	27
Batch:	B06
Certificates:	VA16116266

COMMENTS
Casing to 25 ft. 160 ft e.o.h. when return was lost.

ARB-16-046

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	SHL		grey calcareous shale									
						100	1W	3R						
									DK	GY	---	--	--	0
1.52	3.05	1.53	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
3.05	4.57	1.52	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
4.57	6.10	1.53	SHL		dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
6.10	7.62	1.52	SHL		dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
7.62	9.14	1.52	SHL		medium grey non calcareous shale									
						100	1W	0R						
									MD	GY	---	--	--	0
9.14	10.67	1.53	SHL		dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
10.67	12.19	1.52	SHL		dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
12.19	13.72	1.53	SHL		dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
13.72	15.24	1.52	SHL		medium grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
15.24	16.76	1.52	SHL		dark grey non calcareous shale									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	0R						
									DK	GY	---	--	--	0
16.76	18.29	1.53	SHL		dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
18.29	19.81	1.52	SHL		dark brown non calcareous shale									
						100	2W	0R						
									DK	BN	---	--	--	0
19.81	21.34	1.53	SHL		dark brown non calcareous shale									
						100	2W	0R						
									DK	BN	---	--	--	0
21.34	22.86	1.52	SHL		dark brown non calcareous shale									
						100	2W	0R						
									DK	BN	---	--	--	0
22.86	24.38	1.52	SHL		dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
									DK	GY	---	--	--	0
24.38	25.91	1.53	SHL		dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
25.91	27.43	1.52	SHL		dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
27.43	28.96	1.53	SHL		wet dark grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
28.96	30.48	1.52	SHL		wet dark grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
30.48	32.00	1.52	SHL		wet grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
32.00	33.53	1.53	SHL		wet grey shale									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	0R						
									DK	GY	---	--	--	0
33.53	35.05	1.52	SHL		wet grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
35.05	36.58	1.53	SHL		wet grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
36.58	38.10	1.52	SHL		wet grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
38.10	39.62	1.52	SHL		wet grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
39.62	41.15	1.53	SHL		wet grey shale									
						100	1W	0R						
									DK	GY	---	--	--	0
41.15	42.67	1.52	SHL		black non calcareous shale.									
						100	1W	0R						
									DK	GY	---	--	--	0
42.67	44.20	1.53	SHL		black shale.									
						100	1W	0R						
									DK	GY	OXI	2I	--	0
44.20	45.72	1.52	SHL		black shale with yellow and orange chips.									
						100	2W	0R						
									DK	GY	---	--	--	0
45.72	47.24	1.52	SHL		black shale with yellow and orange oxidized coatings on chip surfaces.									
						100	2W	0R						
									--	--				
47.24	48.77	1.53	SHL		black non calcareous shale with orange and yellow oxidized coatings on chips.									
						100	2W	0R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	+CL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									DK	GY	OXI	2I	--	0

ARB-16-046

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	3.05	3.05				r609854	☐	N16-B06			☐	☐	☐
3.05	6.10	3.05				r609855	☐	N16-B06			☐	☐	☐
6.10	9.14	3.04				r609856	☐	N16-B06			☐	☐	☐
9.14	12.19	3.05				r609857	☐	N16-B06			☐	☐	☐
12.19	15.24	3.05				r609858	☐	N16-B06			☐	☐	☐
15.24	16.76	1.52				r609859	☐	N16-B06			☐	☐	☐
16.76	18.29	1.53				r609860	☐	N16-B06			☐	☐	☐
18.29	19.81	1.52				r609861	☐	N16-B06			☐	☐	☐
19.81	21.34	1.53				r609862	☐	N16-B06			☐	☐	☐
21.34	22.86	1.52				r609863	☐	N16-B06			☐	☐	☐
22.86	24.38	1.52				r609864	☐	N16-B06			☐	☐	☐
24.38	25.91	1.53				r609865	☐	N16-B06			☐	☐	☐
25.91	27.43	1.52				r609866	☐	N16-B06			☐	☐	☐
27.43	28.96	1.53				r609867	☐	N16-B06			☐	☐	☐
28.96	30.48	1.52				r609868	☐	N16-B06			☐	☐	☐
30.48	32.00	1.52				r609869	☐	N16-B06			☐	☐	☐
32.00	33.53	1.53				r609870	☐	N16-B06			☐	☐	☐
33.53	35.05	1.52				r609871	☐	N16-B06			☐	☐	☐
35.05	36.58	1.53				r609872	☐	N16-B06			☐	☐	☐
36.58	38.10	1.52				r609873	☐	N16-B06			☐	☐	☐
38.10	39.62	1.52				r609874	☐	N16-B06			☐	☐	☐
39.62	41.15	1.53				r609875	☐	N16-B06			☐	☐	☐
41.15	42.67	1.52				r609876	☐	N16-B06			☐	☐	☐
42.67	44.20	1.53				r609877	☐	N16-B06			☐	☐	☐
44.20	45.72	1.52				r609878	☐	N16-B06			☐	☐	☐
45.72	47.24	1.52				r609879	☐	N16-B06			☐	☐	☐
47.24	48.77	1.53				r609880	☐	N16-B06			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618879	7113068	1399	44.2

ZONE: Orion

SECTION:

HOLE: ARB-16-047

CLAIM: Dale 12

Contractor: Superior

Drill: 8

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 15 - Jul 16, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET: Orion

SUMMARY

SAMPLES	
Numbers:	r609881 to r609904
Total:	24
Batch:	B06
Certificates:	VA16116266

COMMENTS
Most of this hole is calcareous black shale. Casing to 25 ft. Hole ended at 145 ft when rods encountered permafrost.

ARB-16-047

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	OVB		overburden - no recovery									
						100	--	--						
									--	--	---	--	--	0
1.52	3.05	1.53	SHL		calcareous black shale									
						100	1W	4R						
									DK	BK	---	--	--	0
3.05	4.57	1.52	SHL		calcareous black shale									
						100	1W	4R						
									DK	BK	---	--	--	0
4.57	6.10	1.53	SHL		calcareous black shale									
						100	1W	3R						
									DK	BK	---	--		
6.10	7.62	1.52	SHL		calcareous black shale									
						100	1W	3R						
									DK	BK	---	--	--	0
7.62	9.14	1.52	SHL		calcareous black shale									
						100	1W	2R						
									DK	BK	---	--	--	0
9.14	10.67	1.53	SHL		calcareous black shale									
						100	1W	2R						
									DK	BK	---	--	--	0
10.67	12.19	1.52	SHL		calcareous black shale									
						100	1W	3R						
									DK	BK	---	--	--	0
12.19	13.72	1.53	SHL		calcareous black shale									
						100	1W	3R						
									DK	BK	---	--	--	0
13.72	15.24	1.52	SHL		calcareous black shale									
						100	1W	3R						
									DK	BK	---	--	--	0
15.24	16.76	1.52	SHL		calcareous black shale									
						100	1W	3R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									DK	BK	---	--	--	0
16.76	18.29	1.53	SHL		calcareous brown shale									
						100	1W	3R						
									DK	BN	---	--	--	0
18.29	19.81	1.52	SHL		calcareous black shale									
						100	1W	3R						
									DK	BK	---	--	--	0
19.81	21.34	1.53	SHL		calcareous black shale									
						100	1W	3R						
									DK	BK	---	--	--	0
21.34	22.86	1.52	LST		medium brown limestone									
						100	1W	4R						
									MD	BN	---	--	--	0
22.86	24.38	1.52	LST		brown limestone									
						100	1W	4R						
									MD	BN	---	--	--	0
24.38	25.91	1.53	LST		medium brown limestone									
						100	1W	4R						
									MD	BN	---	--	--	0
25.91	27.43	1.52	SHL		calcareous black shale									
						100	1W	3R						
									DK	BK	---	--	--	0
27.43	28.96	1.53	LST		dark brown limestone									
						100	1W	4R						
									DK	BN	---	--	--	0
28.96	30.48	1.52	LST		dark brown limestone									
						100	1W	4R						
									DK	BN	---	--	--	0
30.48	32.92	2.44	SHL		calcareous black shale									
						100	1W	3R						
									DK	BK	---	--	--	0
32.00	33.53	1.53	SHL		calcareous black shale									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	3R						
									DK	BK	---	--	--	0
33.53	35.05	1.52	SHL		wet dark black calcareous shale									
						100	1W	--						
									DK	BK	---	--	--	0
35.05	36.58	1.53	SHL		wet black calcareous shale									
						100	1W	3R						
									DK	BK	---	--	--	0
36.58	38.10	1.52	SHL		wet calcareous black shale									
						100	1W	3R						
									DK	BK	---	--	--	0
38.10	39.62	1.52	SHL		wet black calcareous shale									
						100	1W	3R						
									DK	BK	---	--	--	0
39.62	41.15	1.53	SHL		wet black calcareous shale									
						100	1W	3R						
									DK	BK	---	--	--	0
41.15	42.67	1.52	SHL		wet black calcareous shale									
						100	1W	3R						
									DK	BK	---	--	--	0
42.67	44.20	1.53	SHL		eoh - wet black calcareous shale									
						100	1W	2R						
									DK	BK	---	--	--	0

ARB-16-047

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	4.57	3.05				r609881	☐	N16-B06			☐	☐	☐
4.57	7.62	3.05				r609882	☐	N16-B06			☐	☐	☐
7.62	10.67	3.05				r609883	☐	N16-B06			☐	☐	☐
10.67	13.72	3.05				r609884	☐	N16-B06			☐	☐	☐
13.72	15.24	1.52				r609885	☐	N16-B06			☐	☐	☐
15.24	16.76	1.52				r609886	☐	N16-B06			☐	☐	☐
16.76	18.29	1.53				r609887	☐	N16-B06			☐	☐	☐
18.29	19.81	1.52				r609888	☐	N16-B06			☐	☐	☐
19.81	21.34	1.53				r609889	☐	N16-B06			☐	☐	☐
21.34	22.86	1.52				r609890	☐	N16-B06			☐	☐	☐
22.86	24.38	1.52				r609891	☐	N16-B06			☐	☐	☐
24.38	25.91	1.53				r609892	☐	N16-B06			☐	☐	☐
25.91	27.43	1.52				r609893	☐	N16-B06			☐	☐	☐
27.43	28.96	1.53				r609894	☐	N16-B06			☐	☐	☐
28.96	30.48	1.52				r609895	☐	N16-B06			☐	☐	☐
30.48	32.00	1.52				r609896	☐	N16-B06			☐	☐	☐
32.00	33.53	1.53				r609897	☐	N16-B06			☐	☐	☐
33.53	35.05	1.52				r609898	☐	N16-B06			☐	☐	☐
35.05	36.58	1.53				r609899	☐	N16-B06			☐	☐	☐
36.58	38.10	1.52				r609900	☐	N16-B06			☐	☐	☐
38.10	39.62	1.52				r609901	☐	N16-B06			☐	☐	☐
39.62	41.15	1.53				r609902	☐	N16-B06			☐	☐	☐
41.15	42.67	1.52				r609903	☐	N16-B06			☐	☐	☐
42.67	44.20	1.53				r609904	☐	N16-B06			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618859	7113029	1386	65.53

ZONE: Orion

SECTION:

HOLE: ARB-16-048

CLAIM: Dale 12

Contractor: Superior

Drill: 8

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 16 - Jul 17, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r609905 to r609942
Total:	38
Batch:	B06
Certificates:	VA16116266

COMMENTS
Hole appears to cut in and out of the fault plane, crossing between limestone and wet/dry shale. GPS from APS tool.

ARB-16-048

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
1.52	3.05	1.53	LST		light grey-brown limestone									
						100	1W	4R						
									LT	BN				
									LT	GY	---	--	--	0
3.05	4.57	1.52	LST		light brown limestone									
						100	1W	3R						
									LT	BN	---	--	--	0
4.57	6.10	1.53	LST		weakly calcareous light brown limestone									
						100	1W	1R						
									LT	BN	---	--	--	0
6.10	7.62	1.52	LST		weakly calcareous light brown limestone									
						100	1W	1R						
									LT	BN	---	--	--	0
7.62	9.14	1.52	SHL		dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
9.14	10.67	1.53	SHL		dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
10.67	12.19	1.52	SHL		medium grey non calcareous shale									
						100	1W	0R						
									MD	GY	---	--	--	0
12.19	13.72	1.53	SHL		light grey non calcareous shale									
						100	1W	0R						
									MD	GY	---	--	--	0
13.72	15.24	1.52	SHL		medium brown non calcareous shale									
						100	2W	0R						
									MD	BN	---	--	--	0
15.24	16.76	1.52	SHL		dark grey non calcareous shale									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	0R						
									DK	GY	---	--	--	0
16.76	18.29	1.53	SHL		black non calcareous shale									
						100	1W	0R						
									DK	BK	---	--	--	0
18.29	19.81	1.52	SHL		black non calcareous shale									
						100	1W	0R						
									DK	BK	---	--	--	0
19.81	21.34	1.53	SHL		black non calcareous shale									
						100	1W	0R						
									DK	BK	---	--	--	0
21.34	22.86	1.52	SHL		black calcareous shale									
						100	1W	3R						
									DK	BK	---	--	--	0
22.86	24.38	1.52	LST		light tan limestone									
						100	1W	4R						
									LT	TN	---	--	--	0
24.38	25.91	1.53	LST		light grey-brown limestone									
						100	1W	4R						
									LT	BN	---	--	--	0
									LT	GY				
25.91	27.43	1.52	SHL		black calcareous shale									
						100	1W	3R						
									DK	BK	---	--	--	0
27.43	28.96	1.53	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
28.96	30.48	1.52	SHL		medium grey calcareous shale									
						100	1W	3R						
									MD	GY	---	--	--	0
30.48	32.00	1.52	SHL		wet dark grey calcareous shale									
						100	1W	4R						
									DK	GY	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
32.00	33.53	1.53	LST		medium grey limestone									
						100	1W	4R	LT	GY	---	--	--	0
33.53	35.05	1.52	LST		light grey limestone									
						100	1W	4R	LT	GY	---	--	--	0
35.05	36.58	1.53	LST		light grey limestone									
						100	1W	4R	LT	GY	---	--	--	0
36.58	38.10	1.52	LST		light grey limestone									
						100	1W	4R	LT	GY	---	--	--	0
38.10	39.62	1.52	LST		light grey limestone with trace realgar									
						100	1W	4R	LT	GY	---	--	Re	1
39.62	41.15	1.53	LST		light grey-taupe limestone									
						100	1W	4R	LT	TP	---	--	--	0
									LT	GY				
41.15	42.67	1.52	LST		light brown limestone									
						100	1W	4R	LT	BN	---	--	--	0
42.67	44.20	1.53	LST		medium brown limestone									
						100	1W	4R	MD	BN	---	--	--	0
44.20	45.72	1.52	LST		medium grey and light brown limestone									
						100	1W	4R	MD	GY	---	--	--	0
									LT	BN				
45.72	47.24	1.52	SHL		wet dark grey calcareous shale									
						100	1W	3R	DK	GY	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
47.24	48.77	1.53	SHL		black calcareous shale									
						100	1W	3R						
									DK	BK	---	--	--	0
48.77	50.29	1.52	SHL		black calcareous shale									
						100	1W	3R						
									DK	BK	---	--	--	0
50.29	51.82	1.53	SHL		wet black calcareous shale									
						100	1W	3R						
									DK	BK	---	--	--	0
51.82	53.34	1.52	SHL		wet black calcareous shale									
						100	1W	3R						
									DK	BK	---	--	--	0
53.34	54.86	1.52	SHL		wet black calcareous shale									
						100	1W	3R						
									DK	BK	---	--	--	0
54.86	56.39	1.53	SHL		wet black calcareous shale									
						100	1W	3R						
									DK	BK	---	--	--	0
56.39	57.91	1.52	SHL		wet black calcareous shale									
						100	1W	2R						
									DK	BK	---	--	--	0
57.91	59.44	1.53	SHL		dry black calcareous shale									
						100	1W	3R						
									DK	BK	---	--	--	0
59.44	60.96	1.52	SHL		dry black calcareous shale									
						100	1W	3R						
									DK	BK	---	--	--	0
60.96	62.48	1.52	SHL		dry black calcareous shale									
						100	1W	3R						
									DK	BK	---	--	--	0
62.48	64.01	1.53	SHL		medium grey calcareous shale									
						100	1W	3R						
									MD	GY	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
64.01	65.53	1.52	SHL		medium grey calcareous shale									
						100	1W	2R						
									MD	GY	---	--	--	0

ARB-16-048

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	4.57	3.05				r609905	☐	N16-B06			☐	☐	☐
4.57	7.62	3.05				r609906	☐	N16-B06			☐	☐	☐
7.62	10.67	3.05				r609907	☐	N16-B06			☐	☐	☐
10.67	13.72	3.05				r609908	☐	N16-B06			☐	☐	☐
13.72	15.24	1.52				r609909	☐	N16-B06			☐	☐	☐
15.24	16.76	1.52				r609910	☐	N16-B06			☐	☐	☐
16.76	18.29	1.53				r609911	☐	N16-B06			☐	☐	☐
18.29	19.81	1.52				r609912	☐	N16-B06			☐	☐	☐
19.81	21.34	1.53				r609913	☐	N16-B06			☐	☐	☐
21.34	22.86	1.52				r609914	☐	N16-B06			☐	☐	☐
22.86	24.38	1.52				r609915	☐	N16-B06			☐	☐	☐
24.38	25.91	1.53				r609916	☐	N16-B06			☐	☐	☐
25.91	27.43	1.52				r609917	☐	N16-B06			☐	☐	☐
27.43	28.96	1.53				r609918	☐	N16-B06			☐	☐	☐
28.96	30.48	1.52				r609919	☐	N16-B06			☐	☐	☐
30.48	32.00	1.52				r609920	☐	N16-B06			☐	☐	☐
32.00	33.53	1.53				r609921	☐	N16-B06			☐	☐	☐
33.53	35.05	1.52				r609922	☐	N16-B06			☐	☐	☐
35.05	36.58	1.53				r609923	☐	N16-B06			☐	☐	☐
36.58	38.10	1.52				r609924	☐	N16-B06			☐	☐	☐
38.10	39.62	1.52				r609925	☐	N16-B06			☐	☐	☐
39.62	41.15	1.53				r609926	☐	N16-B06			☐	☐	☐
41.15	42.67	1.52				r609927	☐	N16-B06			☐	☐	☐
42.67	44.20	1.53				r609928	☐	N16-B06			☐	☐	☐
44.20	45.72	1.52				r609929	☐	N16-B06			☐	☐	☐
45.72	47.24	1.52				r609930	☐	N16-B06			☐	☐	☐
47.24	48.77	1.53				r609931	☐	N16-B06			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
48.77	50.29	1.52				r609932	☐	N16-B06			☐	☐	☐
50.29	51.82	1.53				r609933	☐	N16-B06			☐	☐	☐
51.82	53.34	1.52				r609934	☐	N16-B06			☐	☐	☐
53.34	54.86	1.52				r609935	☐	N16-B06			☐	☐	☐
54.86	56.39	1.53				r609936	☐	N16-B06			☐	☐	☐
56.39	57.91	1.52				r609937	☐	N16-B06			☐	☐	☐
57.91	59.44	1.53				r609938	☐	N16-B06			☐	☐	☐
59.44	60.96	1.52				r609939	☐	N16-B06			☐	☐	☐
60.96	62.48	1.52				r609940	☐	N16-B06			☐	☐	☐
62.48	64.01	1.53				r609941	☐	N16-B06			☐	☐	☐
64.01	65.53	1.52				r609942	☐	N16-B06			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618859	7113023	1386	44.2

ZONE: Orion

SECTION:

HOLE: ARB-16-049

CLAIM: Dale 12

Contractor: Superior

Drill: 8

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 18 - Jul 19, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r609943 to r609966
Total:	24
Batch:	B07
Certificates:	VA16118847

COMMENTS
Hole begins in weathered shale. Shale throughout. Casing to 50ft/15.24m.

ARB-16-049

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	OVB		overburden no recovery									
						100	--	--						
									--	--	---	--	--	0
1.52	3.05	1.53	SHL		brown weathered weakly calcareous shale									
						100	3W	2R						
									MD	BN	---	--	--	0
3.05	4.57	1.52	SHL		brown weathered non calcareous shale									
						100	3W	0R						
									MD	BN	---	--	--	0
									MD	BN	---	--	--	0
4.57	6.10	1.53	SHL		brown weathered non calcareous shale									
						100	3W	0R						
									MD	BN	---	--	--	0
6.10	7.62	1.52	SHL		brown weathered non calcareous shale									
						100	3W	0R						
									MD	BN	---	--	--	0
7.62	9.14	1.52	SHL		brown weathered non calcareous shale									
						100	3W	0R						
									MD	BN	---	--	--	0
9.14	10.67	1.53	SHL		brown weathered non calcareous shale									
						100	2W	0R						
									DK	BN	---	--	--	0
10.67	12.19	1.52	SHL		brown weathered non calcareous shale									
						100	2W	0R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									MD	BN	---	--	--	0
12.19	13.72	1.53	SHL		brown weathered non calcareous shale									
						100	2W	0R						
									DK	BN	---	--	--	0
13.72	15.24	1.52	SHL		brown weathered non calcareous shale									
						100	2W	0R						
									DK	BN	---	--	--	0
15.24	16.76	1.52	SHL		dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
18.29	19.81	1.52	SHL		brown weathered non calcareous shale									
						100	2W	0R						
									DK	BN	---	--	--	0
19.81	21.34	1.53	SHL		wet dark brown non calcareous shale									
						100	1W	0R						
									DK	BN	---	--	--	0
21.34	22.86	1.52	SHL		dark brown non calcareous shale									
						100	1W	0R						
									DK	BN	---	--	--	0
22.86	24.38	1.52	SHL		wet dark brown non calcareous shale									
						100	1W	0R						
									DK	BN	---	--	--	0
24.38	25.91	1.53	SHL		dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
25.91	27.43	1.52	SHL		wet dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
27.43	28.96	1.53	SHL		wet dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
28.96	30.48	1.52	SHL		wet dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
30.48	32.00	1.52	SHL		wet dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
32.00	33.53	1.53	SHL		wet dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
33.53	35.05	1.52	SHL		wet dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
35.05	36.58	1.53	SHL		wet dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
36.58	38.10	1.52	SHL		wet dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
									DK	GY	---	--	--	0
38.10	39.62	1.52	SHL		wet dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
39.62	41.15	1.53	SHL		wet dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
41.15	42.67	1.52	SHL		wet dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0
42.67	44.20	1.53	SHL		wet dark grey non calcareous shale									
						100	1W	0R						
									DK	GY	---	--	--	0

ARB-16-049

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	4.57	3.05				r609943	☐	N16-B07			☐	☐	☐
4.57	7.62	3.05				r609944	☐	N16-B07			☐	☐	☐
7.62	10.67	3.05				r609945	☐	N16-B07			☐	☐	☐
10.67	13.72	3.05				r609946	☐	N16-B07			☐	☐	☐
13.72	15.24	1.52				r609947	☐	N16-B07			☐	☐	☐
15.24	16.76	1.52				r609948	☐	N16-B07			☐	☐	☐
16.76	18.29	1.53				r609949	☐	N16-B07			☐	☐	☐
18.29	19.81	1.52				r609950	☐	N16-B07			☐	☐	☐
19.81	21.34	1.53				r609951	☐	N16-B07			☐	☐	☐
21.34	22.86	1.52				r609952	☐	N16-B07			☐	☐	☐
22.86	24.38	1.52				r609953	☐	N16-B07			☐	☐	☐
24.38	25.91	1.53				r609954	☐	N16-B07			☐	☐	☐
25.91	27.43	1.52				r609955	☐	N16-B07			☐	☐	☐
27.43	28.96	1.53				r609956	☐	N16-B07			☐	☐	☐
28.96	30.48	1.52				r609957	☐	N16-B07			☐	☐	☐
30.48	32.00	1.52				r609958	☐	N16-B07			☐	☐	☐
32.00	33.53	1.53				r609959	☐	N16-B07			☐	☐	☐
33.53	35.05	1.52				r609960	☐	N16-B07			☐	☐	☐
35.05	36.58	1.53				r609961	☐	N16-B07			☐	☐	☐
36.58	38.10	1.52				r609962	☐	N16-B07			☐	☐	☐
38.10	39.62	1.52				r609963	☐	N16-B07			☐	☐	☐
39.62	41.15	1.53				r609964	☐	N16-B07			☐	☐	☐
41.15	42.67	1.52				r609965	☐	N16-B07			☐	☐	☐
42.67	44.20	1.53				r609966	☐	N16-B07			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618735	7113178	1326	24.38

ZONE: Orion

SECTION:

HOLE: ARB-16-050

CLAIM: T2964

Contractor: Superior

Drill: 8

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 19 - Jul 20, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r609967 to r609977
Total:	11
Batch:	B07
Certificates:	VA16118847

COMMENTS

Ended at 80 ft when rods got stuck.

ARB-16-050

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	SHL		weakly calcareous brown shale									
						100	1W	1R						
									DK	BN	---	--	--	0
1.52	3.05	1.53	SHL		dark brown weakly calcareous shale									
						100	1W	1R						
									DK	BN	---	--	--	0
3.05	4.57	1.52	SHL		damp dark brown weakly calcareous shale									
						100	1W	1R						
									DK	BN	---	--	--	0
4.57	6.10	1.53	SHL		damp dark brown weakly calcareous shale									
						100	1W	1R						
									DK	BN	---	--	--	0
6.10	7.62	1.52	SHL		damp dark brown weakly calcareous shale									
						100	1W	1R						
									DK	BN	---	--	--	0
7.62	9.14	1.52	SHL		damp dark brown weakly calcareous shale									
						100	1W	1R						
									DK	BN	---	--	--	0
9.14	10.67	1.53	SHL		dark brown weakly calcareous shale									
						100	1W	2R						
									DK	BN	---	--	--	0
10.67	12.19	1.52	SHL		dark brown weakly calcareous shale									
						100	1W	1R						
									DK	BN	---	--	--	0
12.19	13.72	1.53	SHL		wet medium brown calcareous shale									
						100	1W	1R						
									MD	BN	---	--	--	0
13.72	15.24	1.52	SHL		wet medium brown calcareous shale									
						100	1W	1R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									MD	BN	---	--	--	0
15.24	16.76	1.52	SHL		medium brown calcareous shale with large chips of rock									
						100	1W	2R						
									MD	BN	---	--	--	0
16.76	18.29	1.53	SHL		light brown clay rich calcareous shale									
						100	2W	1R						
									LT	BN	---	--	--	0
18.29	19.81	1.52	SHL		light brown weakly calcareous shale with a strong clay component									
						100	2W	1R						
									LT	BN	---	--	--	0
19.81	21.34	1.53	SHL		wet, cost rich calcareous light brown shale									
						100	2W	1R						
									LT	BN	---	--	--	0
21.34	22.86	1.52	SHL		clay rich wet light brown calcareous shale									
						100	1W	1R						
									LT	BN	---	--	--	0
22.86	24.38	1.52	SHL		clay rich light brown calcareous shale									
						100	2W	1R						
									LT	BN	---	--	--	0

ARB-16-050

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	3.05	3.05				r609967	☐	N16-B07			☐	☐	☐
3.05	6.10	3.05				r609968	☐	N16-B07			☐	☐	☐
6.10	9.14	3.04				r609969	☐	N16-B07			☐	☐	☐
9.14	12.19	3.05				r609970	☐	N16-B07			☐	☐	☐
12.19	15.24	3.05				r609971	☐	N16-B07			☐	☐	☐
15.24	16.76	1.52				r609972	☐	N16-B07			☐	☐	☐
16.76	18.29	1.53				r609973	☐	N16-B07			☐	☐	☐
18.29	19.81	1.52				r609974	☐	N16-B07			☐	☐	☐
19.81	21.34	1.53				r609975	☐	N16-B07			☐	☐	☐
21.34	22.86	1.52				r609976	☐	N16-B07			☐	☐	☐
22.86	24.38	1.52				r609977	☐	N16-B07			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618734	7113178	1327	15.24

ZONE: Orion

SECTION:

HOLE: ARB-16-051

CLAIM: T2964

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 20 - Jul 20, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r609978 to r609982
Total:	5
Batch:	B07
Certificates:	VA16118847

COMMENTS
Ended because rods got stuck and shoe broke.

ARB-16-051

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	OVB		overburden no recovery									
						100	--	--						
									--	--	---	--	--	0
1.52	3.05	1.53	SHL		dark brown weakly calcareous shale									
						100	1W	1R						
									DK	BN	---	--	--	0
3.05	4.57	1.52	SHL		dark brown weakly calcareous shale									
						100	1W	1R						
									DK	BN	---	--	--	0
4.57	6.10	1.53	SHL		dark brown calcareous shale									
						100	1W	2R						
									DK	BN	---	--	--	0
6.10	7.62	1.52	SHL		dark brown calcareous shale									
						100	1W	2R						
									DK	BN	---	--	--	0
7.62	9.14	1.52	SHL		dark brown calcareous shale									
						100	1W	3R						
									DK	BN	---	--	--	0
9.14	10.67	1.53	SHL		dark brown calcareous shale									
						100	1W	3R						
									DK	BN	---	--	--	0
10.67	12.19	1.52	SHL		dark brown calcareous shale									
						100	1W	3R						
									DK	BN	---	--	--	0
12.19	13.72	1.53	SHL		dark brown calcareous shale									
						100	1W	3R						
									DK	BN	---	--	--	0
13.72	15.24	1.52	SHL		dark brown calcareous shale									
						100	1W	3R						
									DK	BN	---	--	--	0

ARB-16-051

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	4.57	3.05				r609978	☐	N16-B07			☐	☐	☐
4.57	7.62	3.05				r609979	☐	N16-B07			☐	☐	☐
7.62	10.67	3.05				r609980	☐	N16-B07			☐	☐	☐
10.67	13.72	3.05				r609981	☐	N16-B07			☐	☐	☐
13.72	15.24	1.52				r609982	☐	N16-B07			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618735	7113178	1327	53.34

ZONE: Orion

SECTION:

HOLE: ARB-16-052

CLAIM: T2964

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 20 - Jul 20, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET: Orion

SUMMARY

SAMPLES	
Numbers:	r607601 to r607612, r609983 to r610000
Total:	30
Batch:	B07
Certificates:	VA16118847

COMMENTS

ARB-16-052

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	SHL		dark grey calcareous shale with Calcite veining									
						100	1W	3R	DK	GY	---	--	Ca	2
1.52	3.05	1.53	SHL		dark grey calcareous shale with Calcite veining									
						100	1W	4R	DK	GY	---	--	Ca	4
3.05	4.57	1.52	SHL		dark grey calcareous shale									
						100	1W	3R	DK	GY	---	--	--	0
4.57	6.10	1.53	SHL		dark grey calcareous shale									
						100	1W	3R	DK	GY	---	--	--	0
6.10	7.62	1.52	SHL		dark brown calcareous shale									
						100	1W	3R	DK	BN	---	--	--	0
7.62	9.14	1.52	SHL		dark brown calcareous shale									
						100	1W	3R	DK	BN	---	--	--	0
9.14	10.67	1.53	SHL		wet medium brown calcareous shale									
						100	1W	3R	MD	BN	---	--	--	0
10.67	12.19	1.52	SHL		wet medium brown calcareous shale									
						100	1W	3R	MD	BN	---	--	--	0
12.19	13.72	1.53	LST		medium brown limestone									
						100	1W	4R	MD	BN	---	--	--	0
13.72	15.24	1.52	LST		medium brown limestone									
						100	1W	4R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									MD	BN	---	--	--	0
15.24	16.76	1.52	LST		medium brown limestone									
						100	1W	4R						
									MD	BN	---	--	--	0
16.76	18.29	1.53	LST		medium brown limestone with calcite									
						100	1W	4R						
									MD	BN	---	--	Ca	1
18.29	19.81	1.52	LST		medium brown and black limestone with calcite									
						100	1W	4R						
									DK	BK	---	--	Ca	1
									MD	BN				
19.81	21.34	1.53	SHL		black calcareous shale									
						100	1W	2R						
									DK	BK	---	--	--	0
21.34	22.86	1.52	SHL		weakly calcareous black shale									
						100	1W	1R						
									DK	BK	---	--	--	0
22.86	24.38	1.52	LST		medium brown limestone									
						100	1W	3R						
									MD	BN	---	--	--	0
24.38	25.91	1.53	LST		light tan limestone									
						100	1W	4R						
									LT	TN	---	--	--	0
25.91	27.43	1.52	LST		light tan limestone									
						100	1W	4R						
									LT	TN	---	--	--	0
27.43	28.96	1.53	LST		light tan limestone									
						100	1W	4R						
									LT	TN	---	--	--	0
28.96	30.48	1.52	LST		light tan limestone									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	4R						
									LT	TN	---	--	--	0
30.48	32.00	1.52	LST		light tan limestone									
						100	1W	4R						
									LT	TN	---	--	--	0
32.00	33.53	1.53	LST		light tan limestone									
						100	1W	4R						
									LT	TN	---	--	--	0
33.53	35.05	1.52	LST		light tan limestone									
						100	1W	4R						
									LT	TN	---	--	--	0
35.05	36.58	1.53	LST		r607601									
						100	1W	4R						
									LT	TN	---	--	--	0
36.58	38.10	1.52	LST		light tan limestone									
						100	1W	4R						
									LT	TN	---	--	--	0
38.10	39.62	1.52	LST		light tan limestone									
						100	1W	4R						
									LT	TN	---	--	--	0
39.62	41.15	1.53	LST		light tan limestone									
						100	1W	4R						
									LT	TN	---	--	--	0
41.15	42.67	1.52	LST		light tan limestone									
						100	1W	4R						
									LT	TN	---	--	--	0
42.67	44.20	1.53	LST		light tan limestone									
						100	1W	4R						
									LT	TN	---	--	--	0
44.20	45.72	1.52	LST		light tan limestone									
						100	1W	4R						
									LT	TN	---	--	--	0
45.72	47.24	1.52	LST		wet light tan limestone									
						100	1W	4R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									LT	TN	---	--	--	0
47.24	48.77	1.53	LST		light tan limestone									
						100	1W	4R						
									LT	TN	---	--	--	0
48.77	50.29	1.52	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
50.29	51.82	1.53	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
51.82	53.34	1.52	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0

ARB-16-052

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	1.52	1.52				r609983	☐	N16-B07			☐	☐	☐
1.52	4.57	3.05				r609984	☐	N16-B07			☐	☐	☐
4.57	7.62	3.05				r609985	☐	N16-B07			☐	☐	☐
7.62	10.67	3.05				r609986	☐	N16-B07			☐	☐	☐
10.67	13.72	3.05				r609987	☐	N16-B07			☐	☐	☐
13.72	16.76	3.04				r609988	☐	N16-B07			☐	☐	☐
16.76	18.29	1.53				r609989	☐	N16-B07			☐	☐	☐
18.29	19.81	1.52				r609990	☐	N16-B07			☐	☐	☐
19.81	21.34	1.53				r609991	☐	N16-B07			☐	☐	☐
21.34	22.86	1.52				r609992	☐	N16-B07			☐	☐	☐
22.86	24.38	1.52				r609993	☐	N16-B07			☐	☐	☐
24.38	25.91	1.53				r609994	☐	N16-B07			☐	☐	☐
25.91	27.43	1.52				r609995	☐	N16-B07			☐	☐	☐
27.43	28.96	1.53				r609996	☐	N16-B07			☐	☐	☐
28.96	30.48	1.52				r609997	☐	N16-B07			☐	☐	☐
30.48	32.00	1.52				r609998	☐	N16-B07			☐	☐	☐
32.00	33.53	1.53				r609999	☐	N16-B07			☐	☐	☐
33.53	35.05	1.52				r610000	☐	N16-B07			☐	☐	☐
35.05	36.58	1.53				r607601	☐	N16-B07			☐	☐	☐
36.58	38.10	1.52				r607602	☐	N16-B07			☐	☐	☐
38.10	39.62	1.52				r607603	☐	N16-B07			☐	☐	☐
39.62	41.15	1.53				r607604	☐	N16-B07			☐	☐	☐
41.15	42.67	1.52				r607605	☐	N16-B07			☐	☐	☐
42.67	44.20	1.53				r607606	☐	N16-B07			☐	☐	☐
44.20	45.72	1.52				r607607	☐	N16-B07			☐	☐	☐
45.72	47.24	1.52				r607608	☐	N16-B07			☐	☐	☐
47.24	48.77	1.53				r607609	☐	N16-B07			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
48.77	50.29	1.52				r607610	☐	N16-B07			☐	☐	☐
50.29	51.82	1.53				r607611	☐	N16-B07			☐	☐	☐
51.82	53.34	1.52				r607612	☐	N16-B07			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618735	7113211	1321	18.29

ZONE: Orion

SECTION:

HOLE: ARB-16-053

CLAIM: T2964

Contractor: Superior

Drill: 8

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 21 - Jul 21, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r607613 to r607620
Total:	8
Batch:	B08
Certificates:	VA16120930

COMMENTS
Hole was ended because of issues with casing. We will likely re-drill this hole after hole 54.

ARB-16-053

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	SHL		weakly calcareous black shale									
						100	1W	1R						
									DK	BK	---	--	--	0
1.52	3.05	1.53	SHL		weakly calcareous black shale									
						100	1W	2R						
									DK	BK	---	--	--	0
3.05	4.57	1.52	SHL		sticky calcareous black shale									
						100	1W	2R						
									DK	BK	---	--	--	0
4.57	6.10	1.53	SHL		sticky calcareous black shale									
						100	1W	2R						
									DK	BK	---	--	--	0
6.10	7.62	1.52	SHL		dark black calcareous shale									
						100	1W	2R						
									DK	BK	---	--	--	0
7.62	9.14	1.52	SHL		black calcareous shale									
						100	1W	2R						
									DK	BK	---	--	--	0
9.14	10.67	1.53	SHL		black calcareous shale with weak oxide									
						100	1W	2R						
									DK	BK	OXI	1I	--	0
10.67	12.19	1.52	SHL		black calcareous shale									
						100	1W	3R						
									DK	BK	---	--	--	0
12.19	13.72	1.53	SHL		black calcareous shale									
						100	1W	2R						
									DK	BK	---	--	--	0
13.72	15.24	1.52	LST		medium brown limestone									
						100	1W	2R						
									MD	BN	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
15.24	16.76	1.52	LST		medium brown limestone									
						100	1W	3R						
									MD	BN	---	--	--	0
16.76	18.29	1.53	LST		chippy medium brown limestone									
						100	1W	3R						
									MD	BN	---	--	--	0

ARB-16-053

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	3.05	3.05				r607613	☐	N16-B08			☐	☐	☐
3.05	6.10	3.05				r607614	☐	N16-B08			☐	☐	☐
6.10	9.14	3.04				r607615	☐	N16-B08			☐	☐	☐
9.14	12.19	3.05				r607616	☐	N16-B08			☐	☐	☐
12.19	13.72	1.53				r607617	☐	N16-B08			☐	☐	☐
13.72	15.24	1.52				r607618	☐	N16-B08			☐	☐	☐
15.24	16.76	1.52				r607619	☐	N16-B08			☐	☐	☐
16.76	18.29	1.53				r607620	☐	N16-B08			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618731	7113210	1321	54.86

ZONE: Orion

SECTION:

HOLE: ARB-16-054

CLAIM: T2964

Contractor: Superior

Drill: 8

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 21 - Jul 22, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r607621 to r607651
Total:	31
Batch:	B08
Certificates:	VA16120930

COMMENTS

ARB-16-054

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	OVB		overburden no recovery									
						100	--	--						
									--	--	---	--	--	0
1.52	3.05	1.53	LST		weakly calcareous shale									
						100	1W	2R						
									DK	BN	---	--	--	0
3.05	4.57	1.52	SHL		weakly calcareous dark brown shale									
						100	1W	2R						
									DK	BN	---	--	--	0
4.57	6.10	1.53	SHL		weakly calcareous brown shale									
						100	1W	2R						
									DK	BN	---	--	--	0
6.10	7.62	1.52	SHL		weakly calcareous brown shale									
						100	1W	2R						
									DK	BN	---	--	--	0
7.62	9.14	1.52	SHL		calcareous brown shale									
						100	1W	3R						
									DK	BN	---	--	--	0
9.14	10.67	1.53	SHL		weakly calcareous brown shale with calcite veining									
						100	1W	2R						
									DK	BN	---	--	Ca	1
10.67	12.19	1.52	SHL		wet dark brown calcareous shale									
						100	1W	3R						
									DK	BN	---	--	--	0
12.19	13.72	1.53	SHL		wet brown calcareous shale									
						100	1W	3R						
									MD	BN	---	--	--	0
13.72	15.24	1.52	SHL		medium brown wet shale									
						100	1W	3R						
									MD	BN	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									MD	BN	---	--	--	0
15.24	16.76	1.52	SHL		wet grey calcareous shale									
						100	1W	2R						
									MD	GY	---	--	--	0
16.76	18.29	1.53	LST		wet limestone with calcite fragments									
						100	1W	3R						
									MD	BN	---	--	Ca	2
18.29	19.81	1.52	LST		dark brown wet limestone with calcite fragments									
						100	1W	3R						
									DK	BN	---	--	Ca	3
19.81	21.34	1.53	LST		wet, coarse brown limestone with calcite fragments									
						100	1W	3R						
									DK	BN	---	--	Ca	4
21.34	22.86	1.52	SHL		wet weakly calcareous brown shale									
						100	1W	2R						
									MD	BN	---	--	--	0
									DK	BN	---	--	--	0
									DK	GY	---	--	Ca	5
									DK	GY	---	--	Ca	5
22.86	24.38	1.52	LST		wet, coarse, dark grey calcareous shale with calcite fragments									
						100	1W	3R						
									DK	GY	---	--	Ca	2
24.38	25.91	1.53	SHL		wet, coarse, dark grey calcareous shale with calcite fragments									
						100	1W	3R						
									DK	GY	---	--	Ca	2
25.91	27.43	1.52	SHL		wet, coarse, dark grey calcareous shale with calcite fragments									
						100	1W	3R						
									DK	GY	---	--	Ca	1

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
27.43	28.96	1.53	SHL		wet, coarse, dark grey calcareous shale with calcite fragments									
						100	1W	2R						
									DK	GY	---	--	Ca	2
28.96	30.48	1.52	SHL		wet, coarse, dark grey calcareous shale with calcite fragments									
						100	1W	1R						
									DK	GY	---	--	Ca	1
30.48	32.00	1.52	SHL		wet, coarse, black non calcareous shale with calcite fragments									
						100	1W	0R						
									DK	BK	---	--	Ca	1
32.00	33.53	1.53	SHL		wet, coarse, black non calcareous shale with calcite fragments									
						100	1W	0R						
									DK	BK	---	--	Ca	2
33.53	35.05	1.52	SHL		wet, coarse, black non calcareous shale with calcite fragments									
						100	1W	0R						
									DK	BK	---	--	Ca	0
35.05	36.58	1.53	SHL		wet, coarse, black non calcareous shale with calcite fragments									
						100	1W	0R						
									DK	BK	---	--	Ca	2
36.58	38.10	1.52	SHL		wet, coarse, black non calcareous shale with calcite fragments									
						100	1W	0R						
									DK	BK	---	--	Ca	1
38.10	39.62	1.52	SHL		wet, coarse, black non calcareous shale with calcite fragments									
						100	1W	0R						
									DK	BK	---	--	Ca	1
39.62	41.15	1.53	SHL		wet, coarse, black non calcareous shale with calcite fragments									
						100	1W	0R						
									DK	BK	---	--	Ca	1
41.15	42.67	1.52	SHL		wet, coarse, black non calcareous shale with calcite fragments									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	0R						
									DK	BK	---	--	Ca	1
42.67	44.20	1.53	SHL		wet, coarse, black non calcareous shale with calcite fragments									
						100	1W	0R						
									DK	BK	---	--	Ca	1
44.20	45.72	1.52	SHL		wet, coarse, black non calcareous shale with calcite fragments									
						100	1W	0R						
									DK	BK	---	--	Ca	1
45.72	47.24	1.52	SHL		wet, coarse, black non calcareous shale with calcite fragments									
						100	1W	0R						
									DK	BK	---	--	Ca	1
47.24	48.77	1.53	SHL		wet, coarse, black non calcareous shale with calcite fragments									
						100	1W	0R						
									DK	BK	---	--	Ca	2
48.77	50.29	1.52	SHL		wet, black non calcareous shale with calcite fragments									
						100	1W	0R						
									DK	BK	---	--	Ca	1
50.29	51.82	1.53	SHL		wet, coarse, black non calcareous shale with calcite fragments									
						100	1W	0R						
									DK	BK	---	--	Ca	0
51.82	53.34	1.52	SHL		wet, coarse, black non calcareous shale with calcite fragments									
						100	1W	0R						
									DK	BK	---	--	Ca	1
53.34	54.86	1.52	SHL		wet, coarse, black non calcareous shale with calcite fragments									
						100	1W	0R						
									DK	BK	---	--	Ca	1

ARB-16-054

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	4.57	3.05				r607621	☐	N16-B08			☐	☐	☐
4.57	6.10	1.53				r607622	☐	N16-B08			☐	☐	☐
6.10	9.14	3.04				r607623	☐	N16-B08			☐	☐	☐
9.14	12.19	3.05				r607624	☐	N16-B08			☐	☐	☐
12.19	15.24	3.05				r607625	☐	N16-B08			☐	☐	☐
15.24	16.76	1.52				r607626	☐	N16-B08			☐	☐	☐
16.76	18.29	1.53				r607627	☐	N16-B08			☐	☐	☐
18.29	19.81	1.52				r607628	☐	N16-B08			☐	☐	☐
19.81	21.34	1.53				r607629	☐	N16-B08			☐	☐	☐
21.34	22.86	1.52				r607630	☐	N16-B08			☐	☐	☐
22.86	24.38	1.52				r607631	☐	N16-B08			☐	☐	☐
24.38	25.91	1.53				r607632	☐	N16-B08			☐	☐	☐
25.91	27.43	1.52				r607633	☐	N16-B08			☐	☐	☐
27.43	28.96	1.53				r607634	☐	N16-B08			☐	☐	☐
28.96	30.48	1.52				r607635	☐	N16-B08			☐	☐	☐
30.48	32.00	1.52				r607636	☐	N16-B08			☐	☐	☐
32.00	33.53	1.53				r607637	☐	N16-B08			☐	☐	☐
33.53	35.05	1.52				r607638	☐	N16-B08			☐	☐	☐
35.05	36.58	1.53				r607639	☐	N16-B08			☐	☐	☐
36.58	38.10	1.52				r607640	☐	N16-B08			☐	☐	☐
38.10	39.62	1.52				r607641	☐	N16-B08			☐	☐	☐
39.62	41.15	1.53				r607642	☐	N16-B08			☐	☐	☐
41.15	42.67	1.52				r607643	☐	N16-B08			☐	☐	☐
42.67	44.20	1.53				r607644	☐	N16-B08			☐	☐	☐
44.20	45.72	1.52				r607645	☐	N16-B08			☐	☐	☐
45.72	47.24	1.52				r607646	☐	N16-B08			☐	☐	☐
47.24	48.77	1.53				r607647	☐	N16-B08			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
48.77	50.29	1.52				r607648	☐	N16-B08			☐	☐	☐
50.29	51.82	1.53				r607649	☐	N16-B08			☐	☐	☐
51.82	53.34	1.52				r607650	☐	N16-B08			☐	☐	☐
53.34	54.86	1.52				r607651	☐	N16-B08			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618736	7113211	1321	27.43

ZONE: Orion

SECTION:

HOLE: ARB-16-055

CLAIM: T2964

Contractor: Superior

Drill: 8

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 23 - Jul 24, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r607652 to r607664
Total:	13
Batch:	B08, B09
Certificates:	VA16120930, VA16126368

COMMENTS
Hole ended at 90 ft when return was lost.

ARB-16-055

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	SHL		black non calcareous shale with flecks of bright red paint from the new hammer.									
						100	1W	0R						
									DK	BK	---	--	--	0
1.52	3.05	1.53	SHL		wet, weakly calcareous dark grey shale									
						100	1W	1R						
									DK	GY	---	--	--	0
3.05	4.57	1.52	SHL		dark grey wet calcareous shale									
						100	1W	2R						
									DK	GY	---	--	--	0
4.57	6.10	1.53	SHL		wet dark grey calcareous shale									
						100	1W	2R						
									DK	GY	---	--	--	0
6.10	7.62	1.52	SHL		dark black wet weakly calcareous shale									
						100	1W	2R						
									DK	BK	---	--	--	0
7.62	9.14	1.52	SHL		wet weakly calcareous black shale									
						100	1W	2R						
									DK	BK	---	--	--	0
9.14	10.67	1.53	SHL		wet weakly calcareous black shale									
						100	1W	--						
									DK	BK	---	--	--	0
10.67	12.19	1.52	SHL		wet weakly calcareous black shale									
						100	1W	1R						
									DK	BK	---	--	--	0
12.19	13.72	1.53	SHL		wet weakly calcareous black shale									
						100	1W	2R						
									DK	BK	---	--	--	0
13.72	15.24	1.52	SHL		wet weakly calcareous black shale									
						100	1W	2R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									DK	BK	---	--	--	0
15.24	16.76	1.52	SHL		wet weakly calcareous black shale									
						100	1W	2R						
									DK	BK	---	--	--	0
16.76	18.29	1.53	SHL		wet weakly calcareous black shale									
						100	1W	2R						
									DK	BK	---	--	--	0
18.29	19.81	1.52	OVB		calcareous ovb. poly lithic. appears to be ovb that's travelled down hole (very wet)									
						100	3W	4R						
									MD	BN	---	--	--	0
19.81	21.34	1.53	OVB		Calcareous ovb.									
						100	3W	3R						
									MD	BN	---	--	--	0
21.34	22.86	1.52	OVB		Calcareous ovb									
						100	3W	3R						
									MD	BN	---	--	--	0
									--	--	---	--	--	0
24.38	25.91	1.53	OVB		Calcareous ovb. More sand then previous interval.									
						100	2W	4R						
									--	BN	---	--	--	0
25.91	27.43	1.52	OVB		calcareous ovb.									
						100	2W	4R						
									--	BN	---	--	--	0

ARB-16-055

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	3.05	3.05				r607652	☐	N16-B08			☐	☐	☐
3.05	6.10	3.05				r607653	☐	N16-B08			☐	☐	☐
6.10	9.14	3.04				r607654	☐	N16-B08			☐	☐	☐
9.14	12.19	3.05				r607655	☐	N16-B08			☐	☐	☐
12.19	15.24	3.05				r607656	☐	N16-B08			☐	☐	☐
15.24	16.76	1.52				r607657	☐	N16-B08			☐	☐	☐
16.76	18.29	1.53				r607658	☐	N16-B08			☐	☐	☐
18.29	19.81	1.52				r607659	☐	N16-B09			☐	☐	☐
19.81	21.34	1.53				r607660	☐	N16-B09			☐	☐	☐
21.34	22.86	1.52				r607661	☐	N16-B09			☐	☐	☐
22.86	24.38	1.52				r607662	☐	N16-B09			☐	☐	☐
24.38	25.91	1.53				r607663	☐	N16-B09			☐	☐	☐
25.91	27.43	1.52				r607664	☐	N16-B09			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618732	7113212	1321	15.24

ZONE: Orion

SECTION:

HOLE: ARB-16-056

CLAIM: T2964

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Jul 25 - Jul 26, 2016

Geology Logged By: R. Phillips

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r607665 to r607669
Total:	5
Batch:	B09
Certificates:	VA16126368

COMMENTS
EOH after water issues and decreasing return

ARB-16-056

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	SHL		calcareous black shale									
						100	2W	2R						
									DK	BK	---	--	--	0
3.05	4.57	1.52	SHL		calcareous black shale with minor amounts ovb									
						100	2W	3R						
									DK	BK	---	--	--	0
6.10	7.62	1.52	SHL		Calcareous black shale									
						100	1W	2R						
									--	--	---	--	--	0
9.14	10.67	1.53	OVB		calcareous ovb									
						100	2W	3R						
									MD	BN	---	--	--	0
12.19	13.72	1.53	OVB		Calcareous ovb									
						100	1W	4R						
									MD	BN	---	--	--	0

ARB-16-056

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	3.05	3.05				r607665	☐	N16-B09			☐	☐	☐
3.05	6.10	3.05				r607666	☐	N16-B09			☐	☐	☐
6.10	9.14	3.04				r607667	☐	N16-B09			☐	☐	☐
9.14	12.19	3.05				r607668	☐	N16-B09			☐	☐	☐
12.19	15.24	3.05				r607669	☐	N16-B09			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618878	7113067	1400	59.44

ZONE: Orion

SECTION:

HOLE: ARB-16-057

CLAIM: Dale 12

Contractor: Superior

Drill: 1

Core Size: NTW

Casing Depth:

Drilling Dates: Jul 30 - Jul 31, 2016

Geology Logged By: R. Phillips

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r607670 to r607702
Total:	33
Batch:	B09, B10
Certificates:	VA16126368, VA16129497

COMMENTS
Hole ended after encountered a (fault?) zone that resulted in lost air pressure/return.

ARB-16-057

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
1.52	3.05	1.53	OVB		Dark black overburden. Weakly effervescent									
						100	3W	1R						
									DK	BK				
3.05	4.57	1.52	SHL		Dark black calcareous shale									
						100	3W	3R						
									DK	BK				
6.10	7.62	1.52	SHL		Dark black calcareous shale.									
						100	2W	3R						
									DK	BK				
7.62	9.14	1.52	SHL		Dark black shale.									
						100	2W	4R						
									DK	BK				
13.72	15.24	1.52	SHL		Dark brown possibly shale(?)									
						100	2W	1R						
									DK	BN				
15.24	16.76	1.52	SHL		Muddy weakly calcareous black shale									
						100	2W	1R						
									MD	BN				
									DK	BK				
16.76	18.29	1.53	SHL		Muddy dark brown weakly calcareous black shale									
						100	1W	1R						
									DK	BN				
18.29	19.81	1.52	OVB		Dark brown overburden (dirt)									
						100	1W	0R						
									DK	BN				
19.81	21.34	1.53	SHL		Muddy dark brown to black shale									
						100	1W	0R						
									DK	BN				
									DK	BK				
21.34	22.86	1.52	LST		Muddy medium brown limestone(?)									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	2W	3R						
									MD	BN				
22.86	24.38	1.52	LST		Muddy medium brown limestone(?).									
						100	2W	3R						
									MD	BN				
24.38	25.91	1.53	SHL		Dark brown to black weakly calcareous black shale.									
						100	1W	1R						
									DK	BK				
									DK	BN				
25.91	27.43	1.52	SHL		Dark black weakly calcareous shale									
						100	1W	1R						
									DK	BK				
27.43	28.96	1.53	SHL		Muddy weakly calcareous black shale									
						100	1W	1R						
									DK	BK				
28.96	30.48	1.52	LST		Medium brown mud. Limestone?									
						100	2W	1R						
									MD	BN				
30.48	32.00	1.52	SHL		Medium brown muddy black shale									
						100	2W	2R						
									DK	BK				
									MD	BN				
32.00	33.53	1.53	LST		Medium brown limestone									
						100	2W	3R						
									MD	BN				
35.05	36.58	1.53	LST		Medium brown limestone(?) mud									
						100	1W	1R						
									MD	BN				
36.58	38.10	1.52	LST		Medium brown limestone(?) mud									
						100	1W	1R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Colour Shade	Colour	Alteration	Intensity	Mineral	Conc.
									MD	BN				
38.10	39.62	1.52	LST		Medium brown limestone(?) mud									
						100	1W	1R						
									MD	BN				
39.62	41.15	1.53	LST		Medium brown limestone(?) mud									
						100	1W	1R						
									MD	BN				
41.15	42.67	1.52	SHL		Muddy brown weakly calcareous black shale									
						100	1W	1R						
									MD	BN				
									DK	BK				
42.67	44.20	1.53	SHL		Weakly calcareous black shale									
						100	1W	1R						
									DK	BK				
44.20	45.72	1.52	SHL		Weakly calcareous black shale									
						100	1W	1R						
									DK	BK				
45.72	47.24	1.52	SHL		Dark grey to black weakly calcareous shale mud									
						100	1W	1R						
									DK	GY				
									DK	BK				
47.24	48.77	1.53	SHL		Weakly calcareous black shale mud									
						100	1W	1R						
									DK	BK				
48.77	50.29	1.52	SHL		Weakly calcareous black shale mud									
						100	1W	1R						
									DK	BK				
50.29	51.82	1.53	SHL		Very weakly calcareous black shale mud									
						100	1W	1R						
									DK	BK				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Colour Shade	Colour	Alteration	Intensity	Mineral	Conc.
51.82	53.34	1.52	SHL		Black shale									
						100	1W	0R						
									DK	BK				
53.34	54.86	1.52	SHL		Black shale									
						100	1W	0R						
									DK	BK				
56.39	57.91	1.52	SHL		Black shale									
						100	1W	0R						
									DK	BK				
57.91	59.44	1.53	SHL		Dark brown shale and orange unknown chips									
						70	1W	0R						
									MD	OR				
									DK	BN				

ARB-16-057

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	3.05	1.53				r607670	☐	N16-B09			☐	☐	☐
3.05	6.10	3.05				r607671	☐	N16-B09			☐	☐	☐
6.10	9.14	3.04				r607672	☐	N16-B09			☐	☐	☐
13.72	15.24	1.52				r607673	☐	N16-B09			☐	☐	☐
15.24	16.76	1.52				r607674	☐	N16-B09			☐	☐	☐
16.76	18.29	1.53				r607675	☐	N16-B09			☐	☐	☐
18.29	19.81	1.52				r607676	☐	N16-B09			☐	☐	☐
19.81	21.34	1.53				r607677	☐	N16-B09			☐	☐	☐
21.34	22.86	1.52				r607678	☐	N16-B09			☐	☐	☐
22.86	24.38	1.52				r607679	☐	N16-B09			☐	☐	☐
24.38	25.91	1.53				r607680	☐	N16-B09			☐	☐	☐
25.91	27.43	1.52				r607681	☐	N16-B09			☐	☐	☐
27.43	28.96	1.53				r607682	☐	N16-B09			☐	☐	☐
28.96	30.48	1.52				r607683	☐	N16-B09			☐	☐	☐
30.48	32.00	1.52				r607684	☐	N16-B09			☐	☐	☐
32.00	33.53	1.53				r607685	☐	N16-B10			☐	☐	☐
33.53	35.05	1.52				r607686	☐	N16-B10			☐	☐	☐
35.05	36.58	1.53				r607687	☐	N16-B10			☐	☐	☐
36.58	38.10	1.52				r607688	☐	N16-B10			☐	☐	☐
38.10	39.62	1.52				r607689	☐	N16-B10			☐	☐	☐
39.62	41.15	1.53				r607690	☐	N16-B10			☐	☐	☐
41.15	42.67	1.52				r607691	☐	N16-B10			☐	☐	☐
42.67	44.20	1.53				r607692	☐	N16-B10			☐	☐	☐
44.20	45.72	1.52				r607693	☐	N16-B10			☐	☐	☐
45.72	47.24	1.52				r607694	☐	N16-B10			☐	☐	☐
47.24	48.77	1.53				r607695	☐	N16-B10			☐	☐	☐
48.77	50.29	1.52				r607696	☐	N16-B10			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
50.29	51.82	1.53				r607697	☐	N16-B10			☐	☐	☐
51.82	53.34	1.52				r607698	☐	N16-B10			☐	☐	☐
53.34	54.86	1.52				r607699	☐	N16-B10			☐	☐	☐
54.86	56.39	1.53				r607700	☐	N16-B10			☐	☐	☐
56.39	57.91	1.52				r607701	☐	N16-B10			☐	☐	☐
57.91	59.44	1.53				r607702	☐	N16-B10			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618879	7113068	1400	89.92

ZONE: Orion

SECTION:

HOLE: ARB-16-058

CLAIM: Dale 12

Contractor: Superior

Drill: 1

Core Size: NTW

Casing Depth:

Drilling Dates: Aug 01 - Aug 02, 2016

Geology Logged By: R. Phillips

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r607703 to r607760
Total:	58
Batch:	B10
Certificates:	VA16129497

COMMENTS

ARB-16-058

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
1.52	3.05	1.53	OVB		Weakly calcareous dark grey clay.									
						100	2W	1R						
									DK	GY				
3.05	4.57	1.52	OVB		Dark grey overburden									
						100	1W	0R						
									DK	GY				
4.57	6.10	1.53	OVB		Dark grey overburden									
						100	2W	0R						
									DK	GY				
6.10	7.62	1.52	OVB		Dark grey overburden									
						100	2W	0R						
									DK	GY				
7.62	9.14	1.52	OVB		Dark grey overburden									
						100	1W	0R						
									DK	GY				
9.14	10.67	1.53	OVB		Dark grey overburden									
						100	1W	0R						
									DK	GY				
10.67	12.19	1.52	OVB		Dark grey to black overburden									
						100	1W	0R						
									DK	GY				
									DK	BK				
13.72	15.24	1.52	SHL		Black shale									
						100	1W	0R						
									DK	BK				
15.24	16.76	1.52	SHL		Black shale dirt									
						100	1W	0R						
									DK	BK				
16.76	18.29	1.53	SHL		Black shale mud									
						100	1W	0R						
									DK	BK				
18.29	19.81	1.52	SHL		black shale mud									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	0R	DK	BK				
19.81	21.34	1.53	SHL		Black shale mud and rubble									
						100	1W	0R	DK	BK				
21.34	22.86	1.52	SHL		black shale									
						100	1W	0R	DK	BK				
22.86	24.38	1.52	SHL		Black shale mud									
						100	1W	0R	DK	BK				
24.38	25.91	1.53	SHL		Black shale									
						100	1W	0R	DK	BK				
25.91	27.43	1.52	SHL		Black shale with <10% oxidized coating									
						100	3W	0R	DK MD	BK OR	OXI	1I		
27.43	28.96	1.53	SHL		Black shale									
						100	1W	0R	DK	BK				
28.96	30.48	1.52	SHL		Black shale									
						100	1W	0R	DK	BK				
30.48	32.00	1.52	SHL		Black shale with <10% oxidized									
						100	2W	0R	MD DK	OR BK	OXI	1I		
32.00	33.53	1.53	SHL		Black shale									
						100	1W	0R	DK	BK				
35.05	36.58	1.53	SHL		Black shale with minor amounts of white quartz									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	+CL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	0R						
									DK	BK				
									LT	TP				
36.58	38.10	1.52	SHL		Black shale with minor amounts of white quartz and oxidization									
						100	1W	0R						
									DK	BK				
									MD	OR				
38.10	39.62	1.52	SHL		Black shale with minor amounts of white quartz and oxidization									
						100	2W	0R						
									DK	BK	OXI	1I		
									MD	OR				
39.62	41.15	1.53	SHL		Black shale with minor amounts of white quartz and oxidization									
						100	2W	0R						
									DK	BK	OXI	1I		
									MD	OR				
41.15	42.67	1.52	SHL		Weakly calcareous black shale with minor amounts of white quartz and oxidization									
						100	2W	1R						
									MD	OR				
									DK	BK	OXI	1I		
42.67	44.20	1.53	SHL		Weakly calcareous black shale with minor amounts of grey quartz and oxidization.									
						100	2W	1R						
									DK	BK	OXI	1I		
44.20	45.72	1.52	SHL		Weakly calcareous black shale with minor amounts of grey quartz and oxidization.									
						100	1W	1R						
									MD	OR				
									DK	BK	OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
45.72	47.24	1.52	SHL		Weakly calcareous black shale with minor amounts of grey quartz and oxidization									
						100	2W	1R	DK MD	BK OR	OXI	1I		
47.24	48.77	1.53	SHL		Weakly calcareous black shale with minor amounts of grey quartz and oxidization.									
						100	2W	1R	DK MD	BK OR	OXI	1I		
48.77	50.29	1.52	SHL		Weakly calcareous black shale with minor amounts of grey quartz and oxidization.									
						100	2W	1R	DK MD	BK OR	OXI	1I		
50.29	51.82	1.53	SHL		Weakly calcareous black shale with minor of grey quartz and oxidization.									
						100	1W	1R	DK MD	BK OR				
51.82	53.34	1.52	SHL		Weakly calcareous black shale with minor amounts of grey quartz and oxidization.									
						100	1W	1R	DK	BK	OXI	1I		
53.34	54.86	1.52	SHL		Weakly calcareous black shale with minor amounts of grey quartz and oxidization.									
						100	1W	1R	DK MD	BK OR	OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
54.86	56.39	1.53	SHL		Weakly calcareous black shale with minor amounts of grey quartz and oxidization.									
						100	1W	1R						
									DK	BK	OXI	1I		
									LT	OR				
56.39	57.91	1.52	SHL		Weakly calcareous black shale with minor amounts of grey quartz and oxidization.									
						100	1W	1R						
									DK	BK	OXI	1I		
									MD	OR				
57.91	59.44	1.53	SHL		Black shale with minor amounts of oxidization									
						100	1W	0R						
									DK	BK	OXI	1I		
									MD	OR				
59.44	60.96	1.52	SHL		Weakly calcareous black shale with minor amounts of grey quartz and oxidization..									
						100	1W	1R						
									DK	BK	OXI	1I		
									MD	OR				
60.96	62.48	1.52	SHL		Black shale with minor amounts of grey quartz and oxidization									
						100	1W	0R						
									DK	BK	OXI	1I		
									MD	OR				
62.48	64.01	1.53	SHL		Black shale with minor amounts of grey quartz and oxidization.									
						100	1W	0R						
									MD	OR				
									DK	BK	OXI	1I		
64.01	65.53	1.52	SHL		Black shale with minor amounts of grey quartz and oxidization									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	0R						
									DK	BK	OXI	1I		
									MD	OR				
65.53	67.06	1.53	SHL		Black shale with minor amounts of grey quartz and oxidization									
						100	1W	0R						
									DK	BK	OXI	1I		
									MD	OR				
67.06	68.58	1.52	SHL		Black shale mud									
						100	1W	0R						
									DK	BK				
68.58	70.10	1.52	SHL		Black shale mud									
						100	1W	0R						
									DK	BK				
70.10	71.63	1.53	SHL		Black shale with minor amounts of grey quartz and oxidization									
						100	1W	0R						
									DK	BK	OXI	1I		
									MD	OR				
71.63	73.15	1.52	SHL		Black shale with minor amounts of grey quartz and oxidization									
						100	1W	0R						
									DK	BK	OXI	1I		
									MD	OR				
73.15	74.68	1.53	SHL		Black shale with minor amounts of grey quartz and oxidization.									
						100	1W	0R						
									DK	BK	OXI	1I		
									MD	OR				
74.68	76.20	1.52	SHL		Black shale with minor amounts of grey quartz and oxidized material									
						100	1W	0R						
									DK	BK	OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	+CL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									MD	OR				
76.20	77.72	1.52	SHL		Black shale with minor amounts of grey quartz and oxidized material									
						100	1W	0R						
									DK	BK	OXI	1I		
									MD	OR				
77.72	79.25	1.53	SHL		Black shale with minor amounts of grey quartz and oxidized material									
						100	1W	0R						
									DK	BK	OXI	1I		
									MD	OR				
79.25	80.77	1.52	SHL		Black shale with minor amounts of grey quartz and oxidized material									
						100	1W	0R						
									MD	OR				
									DK	BK	OXI	1I		
80.77	82.30	1.53	SHL		Weakly calcareous black shale with minor amounts of grey quartz and oxidized material.									
						100	1W	1R						
									DK	BK	OXI	1I		
									MD	OR				
82.30	83.82	1.52	SHL		Black shale with minor amounts of grey quartz and oxidized material.									
						100	1W	0R						
									DK	BK	OXI	1I		
									MD	OR				
83.82	85.34	1.52	SHL		Black shale with minor amounts of grey quartz and oxidized material.									
						100	1W	1R						
									DK	BK	OXI	1I		
									MD	OR				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
85.34	86.87	1.53	SHL		Black shale with minor amounts of grey quartz and oxidized material.	100	1W	0R	DK MD	BK OR	OXI	1I		
86.87	88.39	1.52	SHL		Black shale with minor amounts of grey quartz and oxidized material	100	1W	0R	DK MD	BK OR	OXI	1I		
88.39	89.92	1.53	SHL		Black shale with minor amounts of grey quartz and oxidized material	100	1W	0R	MD DK	OR BK	OXI	1I		

ARB-16-058

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	3.05	1.53				r607703	☐	N16-B10			☐	☐	☐
3.05	4.57	1.52				r607704	☐	N16-B10			☐	☐	☐
4.57	6.10	1.53				r607705	☐	N16-B10			☐	☐	☐
6.10	7.62	1.52				r607706	☐	N16-B10			☐	☐	☐
7.62	9.14	1.52				r607707	☐	N16-B10			☐	☐	☐
9.14	10.67	1.53				r607708	☐	N16-B10			☐	☐	☐
10.67	12.19	1.52				r607709	☐	N16-B10			☐	☐	☐
12.19	13.72	1.53				r607710	☐	N16-B10			☐	☐	☐
13.72	15.24	1.52				r607711	☐	N16-B10			☐	☐	☐
15.24	16.76	1.52				r607712	☐	N16-B10			☐	☐	☐
16.76	18.29	1.53				r607713	☐	N16-B10			☐	☐	☐
18.29	19.81	1.52				r607714	☐	N16-B10			☐	☐	☐
19.81	21.34	1.53				r607715	☐	N16-B10			☐	☐	☐
21.34	22.86	1.52				r607716	☐	N16-B10			☐	☐	☐
22.86	24.38	1.52				r607717	☐	N16-B10			☐	☐	☐
24.38	25.91	1.53				r607718	☐	N16-B10			☐	☐	☐
25.91	27.43	1.52				r607719	☐	N16-B10			☐	☐	☐
27.43	28.96	1.53				r607720	☐	N16-B10			☐	☐	☐
28.96	30.48	1.52				r607721	☐	N16-B10			☐	☐	☐
30.48	32.00	1.52				r607722	☐	N16-B10			☐	☐	☐
32.00	33.53	1.53				r607723	☐	N16-B10			☐	☐	☐
33.53	35.05	1.52				r607724	☐	N16-B10			☐	☐	☐
35.05	36.58	1.53				r607725	☐	N16-B10			☐	☐	☐
36.58	38.10	1.52				r607726	☐	N16-B10			☐	☐	☐
38.10	39.62	1.52				r607727	☐	N16-B10			☐	☐	☐
39.62	41.15	1.53				r607728	☐	N16-B10			☐	☐	☐
41.15	42.67	1.52				r607729	☐	N16-B10			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
42.67	44.20	1.53				r607730	☐	N16-B10			☐	☐	☐
44.20	45.72	1.52				r607731	☐	N16-B10			☐	☐	☐
45.72	47.24	1.52				r607732	☐	N16-B10			☐	☐	☐
47.24	48.77	1.53				r607733	☐	N16-B10			☐	☐	☐
48.77	50.29	1.52				r607734	☐	N16-B10			☐	☐	☐
50.29	51.82	1.53				r607735	☐	N16-B10			☐	☐	☐
51.82	53.34	1.52				r607736	☐	N16-B10			☐	☐	☐
53.34	54.86	1.52				r607737	☐	N16-B10			☐	☐	☐
54.86	56.39	1.53				r607738	☐	N16-B10			☐	☐	☐
56.39	57.91	1.52				r607739	☐	N16-B10			☐	☐	☐
57.91	59.44	1.53				r607740	☐	N16-B10			☐	☐	☐
59.44	60.96	1.52				r607741	☐	N16-B10			☐	☐	☐
60.96	62.48	1.52				r607742	☐	N16-B10			☐	☐	☐
62.48	64.01	1.53				r607743	☐	N16-B10			☐	☐	☐
64.01	65.53	1.52				r607744	☐	N16-B10			☐	☐	☐
65.53	67.06	1.53				r607745	☐	N16-B10			☐	☐	☐
67.06	68.58	1.52				r607746	☐	N16-B10			☐	☐	☐
68.58	70.10	1.52				r607747	☐	N16-B10			☐	☐	☐
70.10	71.63	1.53				r607748	☐	N16-B10			☐	☐	☐
71.63	73.15	1.52				r607749	☐	N16-B10			☐	☐	☐
73.15	74.68	1.53				r607750	☐	N16-B10			☐	☐	☐
74.68	76.20	1.52				r607751	☐	N16-B10			☐	☐	☐
76.20	77.72	1.52				r607752	☐	N16-B10			☐	☐	☐
77.72	79.25	1.53				r607753	☐	N16-B10			☐	☐	☐
79.25	80.77	1.52				r607754	☐	N16-B10			☐	☐	☐
80.77	82.30	1.53				r607755	☐	N16-B10			☐	☐	☐
82.30	83.82	1.52				r607756	☐	N16-B10			☐	☐	☐
83.82	85.34	1.52				r607757	☐	N16-B10			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
85.34	86.87	1.53				r607758	☐	N16-B10			☐	☐	☐
86.87	88.39	1.52				r607759	☐	N16-B10			☐	☐	☐
88.39	89.92	1.53				r607760	☐	N16-B10			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618891	7112990	1419	70.1

ZONE: Orion

SECTION:

HOLE: ARB-16-059

CLAIM: Dale 12

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Aug 03 - Aug 04, 2016

Geology Logged By: R. Phillips

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r607761 to r607800
Total:	40
Batch:	B10, B11
Certificates:	VA16129497, VA16130289

COMMENTS

ARB-16-059

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	OVB		Brown overburden									
						100	2W	0R	MD	BN				
1.52	3.05	1.53	OVB		Brown overburden									
						100	2W	0R	MD	BN				
3.05	4.57	1.52	OVB		Brown overburden									
						100	3W	0R	MD	BN				
4.57	6.10	1.53	OVB		Brown overburden (dirt). Effervescent									
						100	3W	3R	DK	BK				
6.10	7.62	1.52	OVB		Brown overburden dirt. Effervescent									
						100	3W	4R	DK	BN				
7.62	9.14	1.52	OVB		Brown overburden dirt. Effervescent									
						100	3W	4R	DK	BN				
9.14	10.67	1.53	OVB		Weakly effervescent brown overburden dirt									
						100	3W	1R	DK	BN				
10.67	12.19	1.52	OVB		Weakly effervescent brown overburden dirt.									
						100	3W	2R	DK	BN				
12.19	13.72	1.53	OVB		Weakly effervescent brown overburden dirt									
						100	3W	1R	DK	BN				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	+CL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
13.72	15.24	1.52	OVB		Brown overburden dirt									
						100	3W	0R						
									MD	BN				
15.24	16.76	1.52	SHL		Muddy weakly calcareous black shale									
						100	3W	1R						
									MD	BN				
16.76	18.29	1.53	SHL		Muddy weakly calcareous shale									
						100	3W	1R						
									MD	BN				
18.29	19.81	1.52	SHL		Weakly calcareous shale. Very muddy									
						100	3W	1R						
									MD	BN				
19.81	21.34	1.53	SHL		Muddy shale									
						100	3W	0R						
									MD	BN				
21.34	22.86	1.52	SHL		Muddy shale									
						100	3W	0R						
									MD	BN				
22.86	24.38	1.52	SHL		Muddy shale									
						100	2W	0R						
									MD	BN				
24.38	25.91	1.53	SHL		Muddy shale									
						100	2W	0R						
									MD	BN				
25.91	27.43	1.52	SHL		Muddy shale									
						100	3W	0R						
									MD	BN				
27.43	28.96	1.53	SHL		Muddy black shale with minor amounts of white quartz									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	2W	0R						
									DK	BN				
28.96	30.48	1.52	SHL		Muddy black shale with minor amounts of white quartz and carbonate.									
						100	1W	0R						
									DK	BK				
									DK	BN				
30.48	32.00	1.52	SHL		Muddy black shale with minor amounts of white quartz, carbonate and oxidized material.									
						100	2W	0R						
									DK	BN	OXI	1I		
									DK	BK				
32.00	33.53	1.53	SHL		Black shale with minor amounts of white quartz, carbonate and oxidized material.									
						100	2W	0R						
									DK	BK				
									MD	OR				
33.53	35.05	1.52	SHL		Black shale and oxidized material with minor amounts of white quartz and carbonate.									
						100	2W	--						
									DK	BK	OXI	3I		
									MD	OR				
35.05	36.58	1.53	SHL		Muddy black shale with oxidized material and minor amounts of white quartz and carbonate.									
						100	2W	0R						
									MD	OR				
									DK	BK				
									MD	BN	OXI	2I		
36.58	38.10	1.52	SHL		Muddy black shale with oxidized material and minor amounts of white quartz and carbonate.									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	2W	--						
									MD	BN				
									DK	BK				
									MD	OR				
38.10	39.62	1.52	SHL		Muddy black shale with oxidized material and minor amounts of quartz and carbonate.									
						100	2W	0R						
									MD	OR				
									MD	BN	OXI	1I		
									DK	BK				
39.62	41.15	1.53	SHL		Muddy black shale and oxidization material with minor amounts of white quartz and carbonate.									
						100	2W	0R						
									MD	OR				
									MD	BN	OXI	2I		
41.15	42.67	1.52	SHL		Muddy black shale with oxidized material and minor amounts of white quartz and carbonate									
						100	2W	0R						
									MD	BN	OXI	2I		
									MD	OR				
42.67	44.20	1.53	SHL		Muddy black shale with minor amounts of grey quartz and white carbonate.									
						100	2W	0R						
									DK	BK				
									DK	BN				
44.20	45.72	1.52	SHL		Calcareous black shale with oxidized material and minor amounts of white quartz and carbonate									
						100	2W	3R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	+CL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									DK	BK	OXI	2I		
									MD	OR				
45.72	47.24	1.52	SHL		Calcareous black shale with oxidized material and minor amounts of white quartz and carbonate.									
						100	2W	4R						
									DK	BK				
									MD	OR	OXI	2I		
47.24	48.77	1.53	SHL		Calcareous black shale with oxidized material and minor amounts white quartz and carbonate.									
						100	2W	4R						
									MD	OR				
									DK	BK	OXI	3I		
									MD	BN				
48.77	50.29	1.52	SHL		Calcareous black shale with oxidized material and minor amounts of white quartz and carbonate.									
						100	2W	4R						
									DK	BN	OXI	2I		
									DK	BK				
									MD	OR				
50.29	51.82	1.53	SHL		Calcareous black shale with oxidized material and minor amounts of white quartz and carbonate.									
						100	2W	4R						
									DK	BK	OXI	2I		
									DK	BN				
									MD	OR				
51.82	53.34	1.52	SHL		Calcareous black shale with minor amounts of oxidized material, white quartz and carbonate.									
						100	2W	4R						
									DK	BN				
									DK	BK	OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
53.34	54.86	1.52	SHL		Muddy calcareous black shale with minor amounts of oxidized material white quartz and carbonate.									
						100	2W	4R	DK	BK	OXI	1I		
									MD	BN				
54.86	56.39	1.53	SHL		Calcareous black shale with minor amounts of oxidized material, white quartz and carbonate.									
						100	1W	4R	DK	BK	OXI	1I		
									MD	BN				
56.39	57.91	1.52	SHL		Muddy calcareous black shale with oxidized material, white quartz and carbonate.									
						100	1W	4R	DK	BK	OXI	2I		
									MD	BN				
57.91	59.44	1.53	SHL		Muddy calcareous black shale with oxidized material and minor amounts of white quartz and carbonate.									
						100	1W	4R	DK	BK	OXI	2I		
									MD	BN				
59.44	60.96	1.52	SHL		Calcareous black shale with minor amounts of white quartz and carbonate.									
						100	1W	4R	DK	BN	OXI	1I		
									DK	BK				
60.96	62.48	1.52	SHL		Calcareous black shale with minor amounts of oxidized material, white quartz and carbonate.									
						100	1W	4R	DK	BN				
									DK	BK	OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
62.48	64.01	1.53	SHL		Calcareous black shale with oxidized material, grey quartz and white carbonate.									
						100	1W	4R						
									DK	BK	OXI	1I		
									DK	BN				
64.01	65.53	1.52	SHL		Muddy calcareous black shale with oxidized material, grey quartz and white carbonate.									
						100	1W	4R						
									DK	BK	OXI	2I		
									MD	BN				
65.53	67.06	1.53	SHL		Muddy calcareous black shale with oxidized material, grey quartz and white carbonate.									
						100	2W	4R						
									MD	BN				
									DK	BK	OXI	2I		
67.06	68.58	1.52	SHL		Calcareous black shale with oxidized material, white quartz and carbonate.									
						100	1W	4R						
									DK	BK	OXI	1I		
									MD	OR				

ARB-16-059

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	3.05	3.05				r607761	☐	N16-B10			☐	☐	☐
3.05	6.10	3.05				r607762	☐	N16-B10			☐	☐	☐
6.10	9.14	3.04				r607763	☐	N16-B10			☐	☐	☐
9.14	12.19	3.05				r607764	☐	N16-B10			☐	☐	☐
12.19	15.24	3.05				r607765	☐	N16-B10			☐	☐	☐
15.24	16.76	1.52				r607766	☐	N16-B10			☐	☐	☐
16.76	18.29	1.53				r607767	☐	N16-B10			☐	☐	☐
18.29	19.81	1.52				r607768	☐	N16-B10			☐	☐	☐
19.81	21.34	1.53				r607769	☐	N16-B10			☐	☐	☐
21.34	22.86	1.52				r607770	☐	N16-B10			☐	☐	☐
22.86	24.38	1.52				r607771	☐	N16-B10			☐	☐	☐
24.38	25.91	1.53				r607772	☐	N16-B10			☐	☐	☐
25.91	27.43	1.52				r607773	☐	N16-B10			☐	☐	☐
27.43	28.96	1.53				r607774	☐	N16-B10			☐	☐	☐
28.96	30.48	1.52				r607775	☐	N16-B10			☐	☐	☐
30.48	32.00	1.52				r607776	☐	N16-B10			☐	☐	☐
32.00	33.53	1.53				r607777	☐	N16-B10			☐	☐	☐
33.53	35.05	1.52				r607778	☐	N16-B10			☐	☐	☐
35.05	36.58	1.53				r607779	☐	N16-B10			☐	☐	☐
36.58	38.10	1.52				r607780	☐	N16-B10			☐	☐	☐
38.10	39.62	1.52				r607781	☐	N16-B10			☐	☐	☐
39.62	41.15	1.53				r607782	☐	N16-B10			☐	☐	☐
41.15	42.67	1.52				r607783	☐	N16-B10			☐	☐	☐
42.67	44.20	1.53				r607784	☐	N16-B10			☐	☐	☐
44.20	45.72	1.52				r607785	☐	N16-B10			☐	☐	☐
45.72	47.24	1.52				r607786	☐	N16-B10			☐	☐	☐
47.24	48.77	1.53				r607787	☐	N16-B10			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
48.77	50.29	1.52				r607788	☐	N16-B10			☐	☐	☐
50.29	51.82	1.53				r607789	☐	N16-B10			☐	☐	☐
51.82	53.34	1.52				r607790	☐	N16-B10			☐	☐	☐
53.34	54.86	1.52				r607791	☐	N16-B10			☐	☐	☐
54.86	56.39	1.53				r607792	☐	N16-B10			☐	☐	☐
56.39	57.91	1.52				r607793	☐	N16-B10			☐	☐	☐
57.91	59.44	1.53				r607794	☐	N16-B10			☐	☐	☐
59.44	60.96	1.52				r607795	☐	N16-B10			☐	☐	☐
60.96	62.48	1.52				r607796	☐	N16-B10			☐	☐	☐
62.48	64.01	1.53				r607797	☐	N16-B10			☐	☐	☐
64.01	65.53	1.52				r607798	☐	N16-B10			☐	☐	☐
65.53	67.06	1.53				r607799	☐	N16-B10			☐	☐	☐
67.06	68.58	1.52				r607800	☐	N16-B11			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618894	7112990	1420	88.39

ZONE: Orion

SECTION:

HOLE: ARB-16-060

CLAIM: Dale 12

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Aug 04 - Aug 05, 2016

Geology Logged By: R. Phillips

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r607801 to r607853
Total:	53
Batch:	B11
Certificates:	VA16130289

COMMENTS

ARB-16-060

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	OVB		Effervescent muddy brown overburden									
						100	4W	2R	DK	BN				
1.52	3.05	1.53	OVB		Muddy brown overburden									
						100	4W	0R	MD	BN				
3.05	4.57	1.52	OVB		Brown overburden dirt									
						100	4W	0R	MD	BN				
4.57	6.10	1.53	OVB		Brown overburden dirt									
						100	4W	0R	MD	BN				
6.10	7.62	1.52	SHL		Very muddy black shale									
						100	3W	0R	MD	BN				
7.62	9.14	1.52	SHL		Black shale with minor amounts of oxidized material									
						100	3W	0R	DK	BK	OXI	1I		
9.14	10.67	1.53	SHL		Dark grey muddy black shale									
						100	4W	0R	DK	GY				
10.67	12.19	1.52	SHL		Dark grey muddy calcareous black shale									
						100	3W	2R	DK	GY				
12.19	13.72	1.53	SHL		Calcareous black shale with minor amounts of white quartz and carbonate									
						100	2W	3R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									DK	BK				
13.72	15.24	1.52	SHL		Weakly calcareous black shale with minor amounts of oxidized material, white quartz and carbonate.									
						100	2W	2R						
									DK	BK				
15.24	16.76	1.52	SHL		Weakly calcareous black shale with white quartz and carbonate. Muddy									
						100	2W	2R						
									DK	GY				
									DK	BN				
16.76	18.29	1.53	SHL		Muddy calcareous black shale with minor amounts of white quartz and carbonate?									
						100	2W	2R						
									DK	BN				
									DK	BK				
18.29	19.81	1.52	SHL		Calcareous black shale with minor amounts of white quartz and carbonate.									
						100	2W	3R						
									DK	BK				
19.81	21.34	1.53	SHL		Calcareous black shale with minor amounts of grey quartz and white carbonate									
						100	2W	2R						
									DK	BK				
21.34	22.86	1.52	SHL		Calcareous black shale with minor amounts of oxidized material, quartz and carbonate									
						100	2W	3R						
									DK	BK				
22.86	24.38	1.52	SHL		Weakly calcareous black shale with minor amounts of oxidized material, quartz and carbonate.									
						100	2W	2R						
									DK	BK	OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
24.38	25.91	1.53	SHL		Calcareous black shale with minor amounts of oxidized material, quartz and carbonate.									
						100	1W	3R						
									DK	BK	OXI	1I		
25.91	27.43	1.52	SHL		Calcareous black shale with minor amounts of oxidized material, quartz and carbonate.									
						100	1W	3R						
									DK	BK				
27.43	28.96	1.53	SHL		Muddy calcareous black shale with minor amounts of quartz, carbonate and oxidized material.									
						100	1W	3R						
									DK	BK	OXI	1I		
28.96	30.48	1.52	SHL		Muddy calcareous black shale									
						100	1W	2R						
									DK	GY				
32.00	33.53	1.53	SHL		Weakly calcareous black shale with minor amounts of quartz and carbonate									
						100	1W	2R						
									DK	BK				
33.53	35.05	1.52	SHL		Weakly calcareous black shale with minor amounts of quartz and carbonate. Muddy									
						100	2W	2R						
									DK	BK				
35.05	36.58	1.53	SHL		Muddy weakly calcareous black shale with minor amounts of quartz and carbonate.									
						100	1W	2R						
									DK	BK				
36.58	38.10	1.52	SHL		Weakly calcareous black shale with minor amounts of oxidized material, quartz and carbonate.									
						100	1W	2R						
									DK	BK				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Colour Shade	Colour	Alteration	Intensity	Mineral	Conc.
38.10	39.62	1.52	SHL		Muddy calcareous black shale with grey quartz and white carbonate.									
						100	1W	4R						
									DK	GY				
39.62	41.15	1.53	SHL		Muddy calcareous shale with white carbonate and grey quartz.									
						100	1W	3R						
									DK	GY				
									MD	BN				
41.15	42.67	1.52	SHL		Muddy calcareous black shale with minor amounts of quartz and carbonate.									
						100	1W	3R						
									DK	GY				
									MD	BN				
42.67	44.20	1.53	SHL		Muddy calcareous black shale with minor amounts of quartz and carbonate.									
						100	1W	3R						
									DK	GY				
									MD	BN				
44.20	45.72	1.52	SHL		Muddy calcareous black shale with minor amounts of quartz and carbonate									
						100	1W	3R						
									DK	GY				
									DK	BN				
45.72	47.24	1.52	SHL		Muddy calcareous black shale with quartz and carbonate.									
						100	1W	3R						
									MD	BN				
									DK	GY				
47.24	48.77	1.53	SHL		Muddy weakly calcareous black shale with oxidized material, quartz and carbonate.									
						100	1W	2R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Colour Shade	Colour	Alteration	Intensity	Mineral	Conc.
									DK	GY				
									DK	BN				
48.77	50.29	1.52	SHL		Muddy weakly calcareous black shale with minor amounts of quartz, carbonate and oxidized material.									
						100	1W	2R						
									DK	GY				
									MD	BN				
51.82	53.34	1.52	SHL		Muddy weakly calcareous black shale with minor amounts of oxidized material, quartz and carbonate.									
						100	2W	1R						
									DK	GY				
									DK	BN				
53.34	54.86	1.52	SHL		Weakly calcareous black shale with minor amounts of quartz and carbonate.									
						100	1W	1R						
									DK	BK				
									DK	BN				
54.86	56.39	1.53	SHL		Very weakly calcareous black shale with minor amounts of oxidized material, quartz and carbonate.									
						100	1W	1R						
									DK	BK				
									DK	BN				
56.39	57.91	1.52	SHL		Black shale with minor amounts of quartz and carbonate.									
						100	1W	0R						
									DK	BK				
57.91	59.44	1.53	SHL		Black shale with minor amounts of oxidized material, quartz and carbonate.									
						100	1W	0R						
									DK	BK				
									DK	BN				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
59.44	60.96	1.52	SHL		Black shale with minor amounts of oxidized material, quartz and carbonate.									
						100	1W	0R						
									DK	BK	OXI	1I		
									DK	BN				
60.96	62.48	1.52	SHL		Muddy black shale with minor amounts of oxidized material, quartz and carbonate.									
						100	1W	0R						
									DK	BN				
									DK	BK	OXI	1I		
62.48	64.01	1.53	SHL		Muddy black shale with minor amounts of oxidized material, quartz and carbonate.									
						100	1W	0R						
									DK	BN				
									DK	BK	OXI	1I		
64.01	65.53	1.52	SHL		Black shale with minor amounts of oxidized material, quartz and carbonate.									
						100	1W	0R						
									DK	BK	OXI	1I		
65.53	67.06	1.53	SHL		Black shale with minor amounts of oxidized material, quartz and carbonate.									
						100	1W	0R						
									DK	BK	OXI	1I		
67.06	68.58	1.52	SHL		Weakly calcareous black shale with minor amounts of oxidized material, quartz and carbonate.									
						100	1W	2R						
									DK	BK	OXI	1I		
68.58	70.10	1.52	SHL		Weakly calcareous black shale with minor amounts of oxidized material, quartz and carbonate									
						100	1W	1R						
									DK	BK	OXI	1I		

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
70.10	71.63	1.53	SHL		Weakly calcareous black shale with minor amounts of oxidized material, and carbonate.									
						100	1W	2R						
									DK	BK	OXI	1I		
71.63	73.15	1.52	SHL		Weakly calcareous black shale with minor amounts of quartz and carbonate.									
						100	1W	1R						
									DK	BK				
73.15	74.68	1.53	SHL		Weakly calcareous black shale with minor amounts of quartz and carbonate.									
						100	1W	1R						
									DK	BK				
74.68	76.20	1.52	SHL		Weakly calcareous black shale with minor amounts of quartz and carbonate.									
						100	1W	2R						
									DK	BK				
76.20	77.72	1.52	SHL		Weakly calcareous black shale with minor amounts of quartz and carbonate.									
						100	1W	2R						
									DK	BK				
77.72	79.25	1.53	SHL		Weakly calcareous black shale with minor amounts of quartz and carbonate.									
						100	1W	2R						
									DK	BK				
79.25	80.77	1.52	SHL		Weakly calcareous black shale with minor amounts of quartz and carbonate.									
						100	1W	1R						
									DK	BK				
80.77	82.30	1.53	SHL		Weakly calcareous black shale with minor amounts of quartz and carbonate.									
						100	1W	2R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									DK	BK				
82.30	83.82	1.52	SHL		Weakly calcareous black shale with minor amounts of oxidized material, quartz and carbonate.									
						100	2W	1R						
									DK	BK	OXI	1I		
83.82	85.34	1.52	SHL		Weakly calcareous black shale with minor amounts of quartz and carbonate and oxidized material.									
						100	1W	2R						
									DK	BK				
85.34	86.87	1.53	SHL		Weakly calcareous black shale with minor amounts of oxidized material, quartz and carbonate.									
						100	1W	1R						
									DK	BK	OXI	1I		
86.87	88.39	1.52	SHL		Weakly calcareous black shale with minor amounts of oxidized material, quartz and carbonate.									
						100	1W	2R						
									DK	BK				

ARB-16-060

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
0.00	1.52	1.52				r607801	☐	N16-B11			☐	☐	☐
3.05	6.10	3.05				r607802	☐	N16-B11			☐	☐	☐
6.10	9.14	3.04				r607803	☐	N16-B11			☐	☐	☐
9.14	12.19	3.05				r607804	☐	N16-B11			☐	☐	☐
12.19	15.24	3.05				r607805	☐	N16-B11			☐	☐	☐
15.24	16.76	1.52				r607806	☐	N16-B11			☐	☐	☐
16.76	18.29	1.53				r607807	☐	N16-B11			☐	☐	☐
18.29	19.81	1.52				r607808	☐	N16-B11			☐	☐	☐
19.81	21.34	1.53				r607809	☐	N16-B11			☐	☐	☐
21.34	22.86	1.52				r607810	☐	N16-B11			☐	☐	☐
22.86	24.38	1.52				r607811	☐	N16-B11			☐	☐	☐
24.38	25.91	1.53				r607812	☐	N16-B11			☐	☐	☐
25.91	27.43	1.52				r607813	☐	N16-B11			☐	☐	☐
27.43	28.96	1.53				r607814	☐	N16-B11			☐	☐	☐
28.96	30.48	1.52				r607815	☐	N16-B11			☐	☐	☐
30.48	32.00	1.52				r607816	☐	N16-B11			☐	☐	☐
32.00	33.53	1.53				r607817	☐	N16-B11			☐	☐	☐
33.53	35.05	1.52				r607818	☐	N16-B11			☐	☐	☐
35.05	36.58	1.53				r607819	☐	N16-B11			☐	☐	☐
36.58	38.10	1.52				r607820	☐	N16-B11			☐	☐	☐
38.10	39.62	1.52				r607821	☐	N16-B11			☐	☐	☐
39.62	41.15	1.53				r607822	☐	N16-B11			☐	☐	☐
41.15	42.67	1.52				r607823	☐	N16-B11			☐	☐	☐
42.67	44.20	1.53				r607824	☐	N16-B11			☐	☐	☐
44.20	45.72	1.52				r607825	☐	N16-B11			☐	☐	☐
45.72	47.24	1.52				r607826	☐	N16-B11			☐	☐	☐
47.24	48.77	1.53				r607827	☐	N16-B11			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
48.77	50.29	1.52				r607828	☐	N16-B11			☐	☐	☐
50.29	51.82	1.53				r607829	☐	N16-B11			☐	☐	☐
51.82	53.34	1.52				r607830	☐	N16-B11			☐	☐	☐
53.34	54.86	1.52				r607831	☐	N16-B11			☐	☐	☐
54.86	56.39	1.53				r607832	☐	N16-B11			☐	☐	☐
56.39	57.91	1.52				r607833	☐	N16-B11			☐	☐	☐
57.91	59.44	1.53				r607834	☐	N16-B11			☐	☐	☐
59.44	60.96	1.52				r607835	☐	N16-B11			☐	☐	☐
60.96	62.48	1.52				r607836	☐	N16-B11			☐	☐	☐
62.48	64.01	1.53				r607837	☐	N16-B11			☐	☐	☐
64.01	65.53	1.52				r607838	☐	N16-B11			☐	☐	☐
65.53	67.06	1.53				r607839	☐	N16-B11			☐	☐	☐
67.06	68.58	1.52				r607840	☐	N16-B11			☐	☐	☐
68.58	70.10	1.52				r607841	☐	N16-B11			☐	☐	☐
70.10	71.63	1.53				r607842	☐	N16-B11			☐	☐	☐
71.63	73.15	1.52				r607843	☐	N16-B11			☐	☐	☐
73.15	74.68	1.53				r607844	☐	N16-B11			☐	☐	☐
74.68	76.20	1.52				r607845	☐	N16-B11			☐	☐	☐
76.20	77.72	1.52				r607846	☐	N16-B11			☐	☐	☐
77.72	79.25	1.53				r607847	☐	N16-B11			☐	☐	☐
79.25	80.77	1.52				r607848	☐	N16-B11			☐	☐	☐
80.77	82.30	1.53				r607849	☐	N16-B11			☐	☐	☐
82.30	83.82	1.52				r607850	☐	N16-B11			☐	☐	☐
83.82	85.34	1.52				r607851	☐	N16-B11			☐	☐	☐
85.34	86.87	1.53				r607852	☐	N16-B11			☐	☐	☐
86.87	88.39	1.52				r607853	☐	N16-B11			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618894	7112986	1415	83.82

ZONE: Orion

SECTION:

HOLE: ARB-16-061

CLAIM: Dale 12

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Aug 05 - Aug 06, 2016

Geology Logged By: R. Phillips

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	q010701 to q010703, r607854 to r607900
Total:	50
Batch:	B11
Certificates:	VA16130289

COMMENTS

ARB-16-061

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
1.52	3.05	1.53	OVB		Muddy black weakly calcareous overburden and shale									
						100	3W	1R						
									DK	BN				
									MD	BN				
3.05	4.57	1.52	SHL		Muddy weakly calcareous black shale									
						100	3W	1R						
									DK	BN				
4.57	6.10	1.53	SHL		Muddy brown weakly calcareous shale									
						100	3W	1R						
									DK	BN				
6.10	7.62	1.52	SHL		Muddy brown weakly oxidized and weakly calcareous shale									
						100	3W	1R						
									DK	BN				
7.62	9.14	1.52	OVB		Brown overburden dirt									
						100	4W	1R						
									MD	BN				
									DK	BN				
9.14	10.67	1.53	OVB		Muddy brown weakly calcareous overburden									
						100	4W	1R						
									MD	BN				
10.67	12.19	1.52	OVB		Very muddy brown (clayish) overburden.									
						100	4W	1R						
									MD	BN				
12.19	13.72	1.53	OVB		Weakly calcareous brown mud									
						100	5W	1R						
									MD	BN				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
13.72	15.24	1.52	OVB		Weakly effervescent brown mud									
						100	6W	1R						
									LT	BN				
15.24	16.76	1.52	OVB		Light brown mud									
						100	5W	0R						
									LT	BN				
16.76	18.29	1.53	LST		Very muddy dark grey limestone(?)									
						100	4W	4R						
									LT	BN				
18.29	19.81	1.52	LST		Effervescent muddy grey to dark grey limestone with minor amounts of quartz and carbonate.									
						100	2W	4R						
									DK	GY				
									MD	GY				
19.81	21.34	1.53	LST		Effervescent grey to dark grey muddy limestone with minor amounts of quartz and carbonate									
						100	2W	4R						
									DK	GY				
									MD	GY				
21.34	22.86	1.52	LST		Effervescent grey to dark grey limestone with minor amounts of quartz and carbonate.									
						100	2W	4R						
									DK	GY				
									MD	GY				
22.86	24.38	1.52	LST		Effervescent grey to dark grey limestone (?). Muddy									
						100	2W	4R						
									DK	GY				
									MD	GY				
24.38	25.91	1.53	LST		Muddy effervescent grey to dark grey limestone									
						100	2W	4R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	+CL Reactivity	Colour Shade	Colour	Alteration	Intensity	Mineral	Conc.
									DK	GY				
									MD	GY				
25.91	27.43	1.52	LST		Muddy effervescent grey to dark grey limestone									
						100	2W	4R						
									DK	GY				
									MD	GY				
27.43	28.96	1.53	LST		Effervescent grey to dark grey limestone (?) with minor amounts of oxidized material, quartz and carbonate. Muddy									
						100	2W	4R						
									DK	GY				
									MD	GY				
28.96	30.48	1.52	LST		Effervescent muddy grey to dark grey limestone with oxidized material, quartz and carbonate.									
						100	1W	4R						
									DK	GY				
									MD	GY				
30.48	32.00	1.52	LST		Effervescent muddy grey to dark grey limestone (?) with minor amounts of oxidized material, quartz and carbonate.									
						100	2W	4R						
									MD	GY				
									DK	GY				
32.00	33.53	1.53	LST		Effervescent muddy grey to dark grey limestone (?) with minor amounts of oxidized material, quartz and carbonate.									
						100	2W	4R						
									MD	GY				
									DK	GY				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
33.53	35.05	1.52	LST		Very muddy effervescent grey to dark grey limestone									
						100	2W	4R						
									MD	GY				
									DK	GY				
35.05	36.58	1.53	LST		Effervescent muddy grey to dark grey limestone (?) with minor amounts of oxidized material, quartz and carbonate									
						100	2W	4R						
									MD	GY				
									DK	GY				
36.58	38.10	1.52	LST		Muddy effervescent grey to dark grey limestone with minor amounts of oxidized material, quartz and carbonate.									
						100	2W	4R						
									DK	GY				
									MD	GY				
38.10	39.62	1.52	LST		Muddy effervescent grey to dark grey limestone (?) with minor amounts of oxidized material, quartz and carbonate									
						100	1W	4R						
									DK	GY				
									MD	GY				
39.62	41.15	1.53	LST		Effervescent muddy grey to dark grey limestone (?) with minor amounts of oxidized material, quartz and carbonate.									
						100	1W	4R						
									DK	GY	OXI	1I		
									MD	GY				
41.15	42.67	1.52	LST		Muddy effervescent grey to dark grey limestone (?) with minor amounts of oxidized material, quartz and carbonate.									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	+CL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	4R						
									DK	GY				
									MD	GY				
42.67	44.20	1.53	LST		Muddy effervescent grey to dark grey limestone									
						100	1W	4R						
									DK	GY				
									MD	GY				
44.20	45.72	1.52	LST		Muddy effervescent grey to dark grey limestone (?) with minor amounts of quartz and carbonate.									
						100	1W	4R						
									DK	GY				
									MD	GY				
45.72	47.24	1.52	LST		Muddy effervescent grey to dark grey limestone with minor amounts of oxidized material, quartz and carbonate.									
						100	1W	4R						
									DK	GY				
									MD	GY				
47.24	48.77	1.53	LST		Muddy effervescent grey to dark grey limestone with minor amounts of oxidized material quartz and carbonate.									
						100	1W	4R						
									MD	GY				
									DK	GY				
48.77	50.29	1.52	LST		Muddy effervescent grey limestone with minor amounts of quartz and carbonate.									
						100	1W	4R						
									MD	GY				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
50.29	51.82	1.53	LST		Muddy effervescent grey limestone with minor amounts of quartz and carbonate									
						100	1W	4R						
									MD	GY				
51.82	53.34	1.52	LST		Effervescent grey to dark grey limestone with quartz and carbonate.									
						100	1W	4R						
									DK	GY				
									MD	GY				
53.34	54.86	1.52	LST		Effervescent grey to dark grey limestone with minor amounts of quartz and carbonate									
						100	1W	4R						
									DK	GY				
									MD	GY				
54.86	56.39	1.53	LST		Effervescent grey to dark grey limestone with minor amounts of oxidized material, quartz and carbonate.									
						100	1W	4R						
									DK	GY				
									MD	GY				
56.39	57.91	1.52	LST		Effervescent grey to dark grey limestone with minor amounts of quartz and carbonate									
						100	1W	4R						
									DK	GY				
57.91	59.44	1.53	LST		Effervescent dark grey limestone with minor amounts of quartz and carbonate									
						100	1W	4R						
									DK	GY				
59.44	60.96	1.52	LST		Effervescent dark grey limestone									
						100	1W	4R						
									DK	GY				

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Colour Shade	Colour	Alteration	Intensity	Mineral	Conc.
60.96	62.48	1.52	LST		Dark grey effervescent grey limestone with minor amounts of quartz and carbonate									
						100	1W	4R						
									DK	GY				
62.48	64.01	1.53	LST		Effervescent dark grey limestone with minor amounts of quartz and carbonate									
						100	1W	4R						
									DK	GY				
									MD	GY				
64.01	65.53	1.52	LST		Effervescent dark grey limestone with minor amounts of quartz and carbonate.									
						100	1W	4R						
									DK	GY				
67.06	68.58	1.52	LST		Effervescent dark grey limestone									
						100	1W	4R						
									DK	GY				
68.58	70.10	1.52	OVB		Dark grey effervescent limestone with minor amounts of quartz and carbonate									
						100	1W	4R						
									DK	GY				
70.10	71.63	1.53	LST		Effervescent dark grey limestone with minor amounts of quartz and carbonate									
						100	1W	4R						
									DK	GY				
71.63	73.15	1.52	LST		Effervescent dark grey limestone									
						100	1W	4R						
									DK	GY				
73.15	74.68	1.53	LST		Effervescent grey to dark grey limestone									
						100	1W	4R						
									DK	GY				
74.68	76.20	1.52	LST		dark grey limestone									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	--							
									MD	GY	OXI	2I	--	0
76.20	77.72	1.52	LST		medium grey limestone									
						100	--							
									MD	GY	OXI	2I	--	0
77.72	79.25	1.53	LST		limestone. with a strange acidic smell.									
						100	--							
									MD	GY	OXI	2I	--	0
79.25	80.77	1.52	LST		limestone with a strange smell									
						100	--	4R						
									MD	GY	OXI	1I	--	0
													--	0
80.77	82.30	1.53	LST		limestone with strange smell									
						100	--	4R						
									MD	GY	OXI	1I	--	0
82.30	83.82	1.52	LST		medium brown grey limestone									
						100	--	4R						
									MD	TP	---	--	--	0

ARB-16-061

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
1.52	3.05	1.53				r607854	☐	N16-B11			☐	☐	☐
3.05	6.10	3.05				r607855	☐	N16-B11			☐	☐	☐
6.10	9.14	3.04				r607856	☐	N16-B11			☐	☐	☐
9.14	12.19	3.05				r607857	☐	N16-B11			☐	☐	☐
12.19	15.24	3.05				r607858	☐	N16-B11			☐	☐	☐
15.24	16.76	1.52				r607859	☐	N16-B11			☐	☐	☐
16.76	18.29	1.53				r607860	☐	N16-B11			☐	☐	☐
18.29	19.81	1.52				r607861	☐	N16-B11			☐	☐	☐
19.81	21.34	1.53				r607862	☐	N16-B11			☐	☐	☐
21.34	22.86	1.52				r607863	☐	N16-B11			☐	☐	☐
22.86	24.38	1.52				r607864	☐	N16-B11			☐	☐	☐
24.38	25.91	1.53				r607865	☐	N16-B11			☐	☐	☐
25.91	27.43	1.52				r607866	☐	N16-B11			☐	☐	☐
27.43	28.96	1.53				r607867	☐	N16-B11			☐	☐	☐
28.96	30.48	1.52				r607868	☐	N16-B11			☐	☐	☐
30.48	32.00	1.52				r607869	☐	N16-B11			☐	☐	☐
32.00	33.53	1.53				r607870	☐	N16-B11			☐	☐	☐
33.53	35.05	1.52				r607871	☐	N16-B11			☐	☐	☐
35.05	36.58	1.53				r607872	☐	N16-B11			☐	☐	☐
36.58	38.10	1.52				r607873	☐	N16-B11			☐	☐	☐
38.10	39.62	1.52				r607874	☐	N16-B11			☐	☐	☐
39.62	41.15	1.53				r607875	☐	N16-B11			☐	☐	☐
41.15	42.67	1.52				r607876	☐	N16-B11			☐	☐	☐
42.67	44.20	1.53				r607877	☐	N16-B11			☐	☐	☐
44.20	45.72	1.52				r607878	☐	N16-B11			☐	☐	☐
45.72	47.24	1.52				r607879	☐	N16-B11			☐	☐	☐
47.24	48.77	1.53				r607880	☐	N16-B11			☐	☐	☐

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
48.77	50.29	1.52				r607881	☐	N16-B11			☐	☐	☐
50.29	51.82	1.53				r607882	☐	N16-B11			☐	☐	☐
51.82	53.34	1.52				r607883	☐	N16-B11			☐	☐	☐
53.34	54.86	1.52				r607884	☐	N16-B11			☐	☐	☐
54.86	56.39	1.53				r607885	☐	N16-B11			☐	☐	☐
56.39	57.91	1.52				r607886	☐	N16-B11			☐	☐	☐
57.91	59.44	1.53				r607887	☐	N16-B11			☐	☐	☐
59.44	60.96	1.52				r607888	☐	N16-B11			☐	☐	☐
60.96	62.48	1.52				r607889	☐	N16-B11			☐	☐	☐
62.48	64.01	1.53				r607890	☐	N16-B11			☐	☐	☐
64.01	65.53	1.52				r607891	☐	N16-B11			☐	☐	☐
65.53	67.06	1.53				r607892	☐	N16-B11			☐	☐	☐
67.06	68.58	1.52				r607893	☐	N16-B11			☐	☐	☐
68.58	70.10	1.52				r607894	☐	N16-B11			☐	☐	☐
70.10	71.63	1.53				r607895	☐	N16-B11			☐	☐	☐
71.63	73.15	1.52				r607896	☐	N16-B11			☐	☐	☐
73.15	74.68	1.53				r607897	☐	N16-B11			☐	☐	☐
74.68	76.20	1.52				r607898	☐	N16-B11			☐	☐	☐
76.20	77.72	1.52				r607899	☐	N16-B11			☐	☐	☐
77.72	79.25	1.53				r607900	☐	N16-B11			☐	☐	☐
79.25	80.77	1.52				q010701	☐	N16-B11			☐	☐	☐
80.77	82.30	1.53				q010702	☐	N16-B11			☐	☐	☐
82.30	83.82	1.52				q010703	☐	N16-B11			☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618458	7113332	1319.6	88.39

ZONE: Ana

SECTION:

HOLE: ARB-16-062

CLAIM: T2964

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Sep 06 - Sep 08, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	r607901 to r607953
Total:	53
Batch:	
Certificates:	WH16154027

COMMENTS

ARB-16-062

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	OVB		effervescent brown weathered overburden									
						100	3W	3R						
									MD	BN	OXI	3I	--	0
1.52	3.05	1.53	OVB		weathered brown overburden									
						100	--	3R						
									MD	BN	OXI	3I	--	0
									MD	BR	OXI	3I	--	0
3.05	4.57	1.52	SHL		brown weathered calcareous shale									
						100	3W	3R						
									MD	BN	OXI	3I	--	0
4.57	6.10	1.53	SHL		weathered brown calcareous shale									
						100	3W	3R						
									MD	BN	OXI	3I	--	0
6.10	7.62	1.52	SHL		weathered brown calcareous shale									
						100	3W	3R						
									MD	BN	OXI	3I	--	0
7.62	9.14	1.52	SHL		weathered brown calcareous shale									
						100	3W	3R						
									MD	BN	OXI	3I	--	0
									MD	BN	OXI	3I	--	0
9.14	10.67	1.53	SHL		calcareous brown shale									
						100	2W	3R						
									DK	BN	OXI	2I	--	0
10.67	12.19	1.52	SHL		dark brown calcareous shale									
						100	2W	2R						
									DK	BN	OXI	1I	--	0
12.19	13.72	1.53	SHL		weakly calcareous brown shale									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	2W	1R						
									DK	BN	OXI	1I	--	0
13.72	15.24	1.52	SHL		fresh brown weakly calcareous shale									
						100	1W	1R						
									DK	BN	---	--	--	0
15.24	16.76	1.52	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
16.76	18.29	1.53	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
18.29	19.81	1.52	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
19.81	21.34	1.53	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
21.34	22.86	1.52	SHL		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
22.86	24.38	1.52	SHL		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
24.38	25.91	1.53	SHL		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
25.91	27.43	1.52	SHL		wet non calcareous black shale with white quartz									
						100	1W	0R						
									DK	BK	---	--	--	0
27.43	28.96	1.53	SHL		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
28.96	30.48	1.52	SHL		wet non calcareous black shale									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	0R						
									DK	BK	---	--	--	0
30.48	32.00	1.52	SHL		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
32.00	33.53	1.53	SHL		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
33.53	35.05	1.52	SHL		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
35.05	36.58	1.53	SHL		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
36.58	38.10	1.52	SHL		wet non calcareous black shale with white quartz									
						100	1W	0R						
									DK	BK	---	--	--	0
38.10	39.62	1.52	SHL		wet non calcareous black shale with white quartz									
						100	1W	0R						
									DK	BK	---	--	--	0
39.62	41.15	1.53	SHL		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
41.15	42.67	1.52	SHL		wet non calcareous black shale with white quartz									
						100	1W	0R						
									DK	BK	---	--	--	0
42.67	44.20	1.53	SHL		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
44.20	45.72	1.52	SHL		wet non calcareous black shale with white quartz									
						100	1W	0R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									DK	BK	---	--	--	0
45.72	47.24	1.52	SHL		wet non calcareous black shale with white quartz									
						100	1W	0R						
									DK	BK	---	--	--	0
47.24	48.77	1.53	SHL		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
48.77	50.29	1.52	SHL		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
50.29	51.82	1.53	-?-		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
51.82	53.34	1.52	SHL		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
53.34	54.86	1.52	SHL		wet non calcareous black shale with white quartz									
						100	1W	0R						
									DK	BK	---	--	--	0
54.86	56.39	1.53	SHL		wet non calcareous black shale with white quartz									
						100	1W	0R						
									DK	BK	---	--	--	0
56.39	57.91	1.52	SHL		wet non calcareous black shale with white quartz									
						100	1W	0R						
									DK	BK	---	--	--	0
57.91	59.44	1.53	SHL		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
59.44	60.96	1.52	SHL		very wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
60.96	62.48	1.52	LST		brown weathered limestone									
						100	2W	3R						
									MD	BN	OXI	3I	--	0
62.48	64.01	1.53	LST		weathered brown limestone									
						100	3W	4R						
									MD	BN	OXI	3I	--	0
64.01	65.53	1.52	LST		weathered brown limestone									
						100	2W	4R						
									DK	BN	OXI	2I	--	0
65.53	67.06	1.53	LST		fresher wet limestone									
						100	1W	4R						
									MD	GY	OXI	1I	--	0
67.06	68.58	1.52	LST		fresh grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
68.58	70.10	1.52	LST		wet grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
70.10	71.63	1.53	LST		wet grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
71.63	73.15	1.52	LST		wet grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
73.15	74.68	1.53	LST		wet grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
74.68	76.20	1.52	LST		wet grey limestone									
						100	1W	4R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									MD	GY	---	--	--	0
76.20	77.72	1.52	LST		wet grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
77.72	79.25	1.53	LST		wet grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
79.25	80.77	1.52	LST		wet light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
80.77	82.30	1.53	LST		wet light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
82.30	83.82	1.52	LST		wet light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
83.82	85.34	1.52	LST		wet light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
85.34	86.87	1.53	LST		wet light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
86.87	88.39	1.52	LST		wet light grey limestone EOH									
						100	1W	4R						
									LT	GY	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
							☐				☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer, Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618425	7113327	1326	86.87

ZONE: Ana

SECTION:

HOLE: ARB-16-063

CLAIM: T2964

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Aug 08 - Aug 09, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET: Ana

SUMMARY

SAMPLES	
Numbers:	q052251 to q052255, r607954 to r608000
Total:	52
Batch:	
Certificates:	WH16154025, WH16154027

COMMENTS

ARB-16-063

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	SHL		calcareous brown shale									
						100	3W	3R						
									MD	BN	OXI	3I	--	0
1.52	3.05	1.53	SHL		brown calcareous shale									
						100	3W	3R						
									MD	BN	---	--	--	0
3.05	4.57	1.52	SHL		brown calcareous shale									
						100	3W	3R						
									MD	BN	---	--	--	0
4.57	6.10	1.53	SHL		brown calcareous shale									
						100	3W	3R						
									MD	BN	---	--	--	0
									MD	BN	---	--	--	0
6.10	7.62	1.52	SHL		brown calcareous shale with less weathering									
						100	3W	3R						
									DK	BN	OXI	2I	--	0
7.62	9.14	1.52	SHL		black calcareous shale									
						100	1W	2R						
									DK	BK	---	--	--	0
9.14	10.67	1.53	SHL		brown calcareous shale									
						100	1W	2R						
									DK	BN	OXI	1I	--	0
10.67	12.19	1.52	SHL		brown calcareous shale									
						100	2W	1R						
									DK	BN	OXI	1I	--	0
12.19	13.72	1.53	SHL		brown calcareous shale									
						100	2W	1R						
									DK	BN	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
13.72	15.24	1.52	SHL		brown calcareous shale									
						100	2W	1R						
									DK	BN	OXI	1I	--	0
15.24	16.76	1.52	SHL		black non calcareous shale									
						100	1W	0R						
									DK	BK	---	--	--	0
16.76	18.29	1.53	SHL		black non calcareous shale									
						100	1W	0R						
									DK	BK	---	--	--	0
18.29	19.81	1.52	SHL		black non calcareous shale									
						100	1W	0R						
									DK	BK	---	--	--	0
19.81	21.34	1.53	SHL		non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
21.34	22.86	1.52	SHL		weakly calcareous black shale									
						100	1W	1R						
									DK	BK	---	--	--	0
22.86	24.38	1.52	SHL		black non calcareous shale									
						100	1W	0R						
									DK	BK	---	--	--	0
24.38	25.91	1.53	SHL		black non calcareous shale									
						100	1W	0R						
									DK	BK	---	--	--	0
25.91	27.43	1.52	SHL		black non calcareous shale									
						100	1W	0R						
									DK	BK	---	--	--	0
27.43	28.96	1.53	SHL		black non calcareous shale									
						100	1W	0R						
									DK	BK	---	--	--	0
28.96	30.48	1.52	-?-		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
30.48	32.00	1.52	SHL		wet black non calcareous shale									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	0R						
									DK	BK	---	--	--	0
32.00	33.53	1.53	SHL		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
33.53	35.05	1.52	SHL		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
35.05	36.58	1.53	SHL		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
36.58	38.10	1.52	SHL		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
38.10	39.62	1.52	SHL		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
39.62	41.15	1.53	SHL		wet non calcareous black shale									
						100	1W	0R						
									DK	BK	---	--	--	0
41.15	42.67	1.52	SHL		wet non calcareous black shale with white quartz									
						100	1W	0R						
									DK	BK	---	--	--	0
42.67	44.20	1.53	SHL		wet non calcareous black shale with white quartz									
						100	1W	0R						
									DK	BK	---	--	--	0
44.20	45.72	1.52	SHL		wet non calcareous black shale with white quartz									
						100	1W	0R						
									DK	BK	---	--	--	0
45.72	47.24	1.52	SHL		wet non calcareous black shale with white quartz									
						100	1W	0R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									DK	BK	---	--	--	0
47.24	48.77	1.53	SHL		wet non calcareous black shale with white quartz									
						100	1W	0R						
									DK	BK	---	--	--	0
48.77	50.29	1.52	SHL		wet non calcareous black shale with white quartz									
						100	1W	0R						
									DK	BK	---	--	--	0
50.29	51.82	1.53	SHL		wet non calcareous black shale with white quartz									
						100	1W	0R						
									DK	BK	---	--	--	0
53.34	54.86	1.52	SHL		wet non calcareous black shale with white quartz									
						100	1W	0R						
									DK	BK	---	--	--	0
54.86	56.39	1.53	SHL		wet non calcareous black shale with white quartz									
						100	1W	0R						
									DK	BK	---	--	--	0
56.39	57.91	1.52	SHL		wet non calcareous black shale with white quartz									
						100	1W	0R						
									DK	BK	---	--	--	0
57.91	59.44	1.53	SHL		wet non calcareous black shale with white quartz									
						100	1W	0R						
									DK	BK	---	--	--	0
59.44	60.96	1.52	SHL		wet non calcareous black shale with minor limestone									
						100	1W	3R						
									MD	BN				
									DK	BK	OXI	2I	--	0
60.96	62.48	1.52	LST		wet brown limestone									
						100	2W	4R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									MD	BN	OXI	2I	--	0
62.48	64.01	1.53	LST		wet brown limestone									
						100	2W	4R						
									MD	BN	OXI	2I	--	0
64.01	65.53	1.52	LST		wet grey limestone									
						100	2W	4R						
									MD	GY	OXI	1I	--	0
65.53	67.06	1.53	LST		wet grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
67.06	68.58	1.52	LST		wet grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
68.58	70.10	1.52	LST		wet grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
70.10	71.63	1.53	LST		wet grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
71.63	73.15	1.52	LST		wet grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
73.15	74.68	1.53	LST		wet grey limestone									
						100	1W	4R						
									MD	GY			--	0
74.68	76.20	1.52	LST		wet grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
76.20	77.72	1.52	LST		wet grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
77.72	79.25	1.53	LST		wet grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
79.25	80.77	1.52	LST		wet grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
80.77	82.30	1.53	LST		wet grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
82.30	83.82	1.52	LST		wet grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
83.82	85.34	1.52	LST		wet grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
85.34	86.87	1.53	LST		wet grey limestone - EOH									
						100	1W	4R						
									MD	GY	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
							☐				☐	☐	☐

Rackla Gold Property - Nadaleen Trend Project

Archer,Cathro & Associates (1981) Limited

Grid East	Grid North	Easting	Northing	Elevation	Depth (m)
		618453	7113238	1355.9	74.68

ZONE: Ana

SECTION:

HOLE: ARB-16-064

CLAIM: T2964

Contractor: Superior

Drill: 1

Core Size: HQ

Casing Depth:

Drilling Dates: Sep 10 - Sep 11, 2016

Geology Logged By: T. Cruz

SURVEY			
Depth (m)	Azimuth	Dip	Method

TARGET:

SUMMARY

SAMPLES	
Numbers:	q052256 to q052300
Total:	45
Batch:	
Certificates:	WH16154025

COMMENTS

Hole ended in limestone when drill lost return. APS 80%

ARB-16-064

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
0.00	1.52	1.52	OVB		ovb									
						100	3W	2R						
									DK	BN	---	--	--	0
1.52	3.05	1.53	OVB		ovb									
						100	1W	0R						
									DK	BN	---	--	--	0
3.05	4.57	1.52	LST		weathered limestone									
						100	4W	4R						
									MD	BN	---	--	--	0
4.57	6.10	1.53	LST		light grey limestone									
						10	1W	4R						
									LT	GY	---	--	--	0
6.10	7.62	1.52	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
7.62	9.14	1.52	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
9.14	10.67	1.53	LST		light grey limestone									
						100	2W	4R						
									LT	GY	---	--	--	0
10.67	12.19	1.52	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
12.19	13.72	1.53	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
13.72	15.24	1.52	LST		light tan limestone									
						100	2W	4R						
									LT	TN	---	--	--	0
15.24	16.76	1.52	LST		weathered limestone									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	3W	4R						
									LT	BN	OXI	1I	--	0
16.76	18.29	1.53	LST		light tan limestone									
						100	2W	4R						
									LT	TN	OXI	1I	--	0
18.29	19.81	1.52	LST		light tan limestone									
						100	2W	4R						
									LT	TN	OXI	1I	--	0
19.81	21.34	1.53	LST		light tan limestone									
						100	2W	4R						
									LT	TN	OXI	1I	--	0
21.34	22.86	1.52	LST		light tan limestone									
						100	2W	4R						
									LT	TN	OXI	1I	--	0
22.86	24.38	1.52	LST		light tan limestone									
						100	2W	4R						
									LT	TN	OXI	1I	--	0
24.38	25.91	1.53	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
25.91	27.43	1.52	LST		light brown limestone									
						100	2W	4R						
									LT	BN	OXI	2I	--	0
27.43	28.96	1.53	LST		light tan limestone									
						100	2W	4R						
									LT	TN	OXI	1I	--	0
28.96	30.48	1.52	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
30.48	32.00	1.52	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
32.00	33.53	1.53	LST		light grey limestone									
						100	1W	4R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	+CL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									LT	GY	---	--	--	0
33.53	35.05	1.52	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
35.05	36.58	1.53	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
36.58	38.10	1.52	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
38.10	39.62	1.52	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
39.62	41.15	1.53	LST		medium grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
41.15	42.67	1.52	LST		medium grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
42.67	44.20	1.53	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
44.20	45.72	1.52	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
45.72	47.24	1.52	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
47.24	48.77	1.53	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
48.77	50.29	1.52	LST		light brown limestone									
						100	1W	4R						

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
									LT	BN	---	--	--	0
50.29	51.82	1.53	LST		light tan limestone									
						100	1W	4R						
									LT	TN	---	--	--	0
51.82	53.34	1.52	LST		light tan limestone									
						100	1W	4R						
									LT	TN	---	--	--	0
53.34	54.86	1.52	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
54.86	56.39	1.53	LST		light brown limestone									
						100	1W	4R						
									LT	BN	---	--	--	0
56.39	57.91	1.52	LST		light brown limestone									
						100	1W	4R						
									LT	BN	---	--	--	0
57.91	59.44	1.53	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
59.44	60.96	1.52	LST		medium grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
60.96	62.48	1.52	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
62.48	64.01	1.53	LST		medium grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
64.01	65.53	1.52	LST		medium grey limestone									
						100	1W	4R						
									MD	GY	---	--	--	0
65.53	67.06	1.53	LST		light tan limestone									

From (m)	To (m)	Interval (m)	Rock Type	Grain Size	Description	Lithology %	Weathering	HCL Reactivity	Shade	Colour	Alteration	Intensity	Mineral	Conc.
						100	1W	4R						
									LT	TN	---	--	--	0
67.06	68.58	1.52	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
68.58	70.10	1.52	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
70.10	71.63	1.53	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0
71.63	73.15	1.52	LST		light tan limestone									
						100	1W	4R						
									LT	TN	---	--	--	0
73.15	74.68	1.53	LST		light tan limestone									
						100	1W	4R						
									LT	TN	---	--	--	0
74.68	76.20	1.52	LST		light grey limestone									
						100	1W	4R						
									LT	GY	---	--	--	0

From (m)	To (m)	Interval (m)	Rock Type	Recovery (m)	Recovery %	Sample Number	Not Sampled	BatchName	Batch Class	Standard	Blank	1/4 Dup	Coarse Dup
							☐				☐	☐	☐

APPENDIX VIII

RAB DRILLING - CERTIFICATES OF ANALYSIS

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 10- AUG- 2016
Account: RCM

CERTIFICATE VA16118847

Project: Nadaleen

P.O. No.: N16- B07

This report is for 70 Rock samples submitted to our lab in Whitehorse, YT, Canada on 22- JUL- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% < 75 um

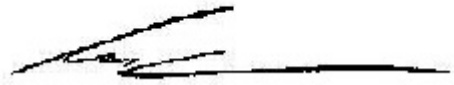
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 10- AUG- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16118847

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R609943		3.44	6.45	4.77	580	1700	1.70	0.22	0.22	2.08	46.2	2.6	101	9.83	113.5	2.34
R609944		2.70	7.03	4.95	607	1560	1.47	0.24	0.13	2.19	55.6	1.2	97	10.45	60.7	2.13
R609945		2.36	4.28	4.65	524	1270	1.39	0.23	0.13	1.57	53.4	0.7	95	10.50	49.4	2.13
R609946		2.64	4.62	4.42	594	960	1.25	0.23	0.13	1.29	49.3	0.7	101	11.85	51.1	1.77
R609947		2.44	5.88	4.74	440	910	1.25	0.23	0.16	0.77	53.5	0.6	110	12.40	61.7	1.40
R609948		2.06	7.52	3.92	550	1990	0.89	0.22	0.18	0.67	42.6	0.6	113	10.00	55.4	1.64
R609949		2.54	10.15	4.95	452	1110	1.12	0.23	0.13	0.79	53.7	0.8	98	12.75	18.4	1.87
R609950		3.16	4.78	4.77	315	860	1.13	0.20	0.11	0.38	49.6	0.8	91	10.75	16.4	1.53
R609951		2.70	3.55	4.68	366	1060	1.25	0.19	0.22	0.57	51.6	0.7	91	10.70	22.1	1.59
R609952		2.62	4.41	4.85	388	1050	1.33	0.21	0.13	0.41	53.8	0.7	97	10.40	22.4	1.78
R609953		2.22	4.84	4.86	439	1120	1.22	0.23	0.26	0.54	55.4	0.8	96	10.70	21.9	1.82
R609954		2.48	6.15	4.91	299	1220	1.33	0.23	0.15	0.36	56.2	1.1	93	10.95	22.2	1.24
R609955		1.82	6.37	5.09	146.0	1110	1.47	0.22	0.11	0.29	56.7	1.2	94	10.60	19.2	0.95
R609956		1.98	5.43	5.05	164.5	1170	1.46	0.23	0.30	1.46	55.2	4.0	96	10.80	30.1	1.43
R609957		1.94	5.45	4.96	227	620	1.70	0.22	0.60	4.87	51.1	9.2	96	9.94	85.0	2.27
R609958		2.08	6.20	5.08	194.5	420	1.76	0.21	0.27	6.34	51.2	9.5	98	9.99	119.5	2.20
R609959		2.00	6.44	5.05	210	310	1.80	0.22	0.22	4.39	50.9	9.8	97	10.05	92.3	2.16
R609960		2.22	6.28	5.06	326	410	1.74	0.20	0.86	3.34	49.8	9.5	102	13.65	70.5	2.16
R609961		2.08	5.34	4.88	281	330	1.45	0.19	0.19	3.17	44.7	8.1	110	13.50	59.0	1.90
R609962		2.18	5.46	4.81	289	300	1.72	0.20	0.17	4.24	46.7	8.5	112	12.75	63.8	1.80
R609963		2.74	4.97	4.66	268	510	1.70	0.21	0.38	4.62	45.2	8.4	103	10.55	70.5	1.60
R609964		2.38	5.09	4.67	238	460	1.62	0.20	0.31	3.64	46.2	8.0	105	9.74	62.0	1.61
R609965		2.44	6.33	4.85	229	590	1.77	0.21	0.25	5.17	46.2	8.2	112	10.55	60.3	1.66
R609966		2.38	4.95	5.18	280	350	1.70	0.20	0.74	4.11	46.9	9.9	205	14.65	75.0	2.81
R609967		2.32	1.72	3.94	75.9	3860	1.23	0.16	5.73	1.34	38.2	4.9	136	8.05	42.1	2.42
R609968		2.04	1.75	3.43	175.5	5850	1.27	0.14	7.88	4.20	34.7	4.3	126	7.93	43.6	2.25
R609969		2.16	1.72	3.80	251	5550	1.23	0.15	7.21	5.24	36.7	5.1	129	8.22	48.2	2.64
R609970		2.36	1.62	3.90	310	5490	1.34	0.16	6.06	5.26	39.4	5.7	122	8.52	54.7	2.90
R609971		2.22	1.47	4.66	247	3320	1.49	0.18	5.80	3.50	48.7	7.3	107	11.80	55.6	2.94
R609972		1.98	0.77	3.36	111.5	940	1.11	0.14	16.80	1.72	41.6	6.1	42	4.53	27.0	2.09
R609973		2.10	0.64	4.48	105.5	1140	1.31	0.17	10.50	1.49	52.4	8.9	59	5.90	33.0	2.70
R609974		2.08	0.54	4.82	103.5	1220	1.40	0.18	9.08	1.41	54.9	9.5	64	6.16	33.8	2.91
R609975		2.00	0.52	5.00	113.0	1160	1.50	0.19	9.12	1.48	58.4	9.9	64	6.59	35.6	3.02
R609976		1.94	0.50	5.17	166.0	1320	1.41	0.19	6.99	1.47	58.4	9.9	74	7.03	36.0	3.10
R609977		1.92	0.50	5.23	142.5	1340	1.48	0.21	6.53	1.43	59.8	10.0	75	6.97	37.0	3.08
R609978		1.58	1.84	3.81	229	5180	1.22	0.16	5.44	2.81	37.8	4.5	136	8.29	43.9	2.39
R609979		2.26	1.60	3.10	211	8400	0.98	0.14	10.25	3.07	31.7	3.8	105	6.83	38.7	1.98
R609980		2.80	1.43	3.59	158.0	7650	1.09	0.15	8.42	3.31	36.9	5.3	106	7.14	40.1	2.35
R609981		2.86	0.64	3.26	100.5	2430	1.03	0.12	15.10	2.05	37.3	5.5	63	4.90	28.7	1.99
R609982		2.46	0.51	3.02	112.0	1620	1.00	0.12	18.35	1.72	36.0	5.8	51	4.34	26.0	1.96

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 10- AUG- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16118847

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R609943		11.10	0.18	2.3	3.36	0.048	1.45	30.8	14.1	0.21	22	6.26	0.02	7.8	63.8	990
R609944		13.35	0.22	2.8	4.79	0.047	1.73	35.7	12.2	0.24	16	7.92	0.03	9.3	36.5	710
R609945		13.05	0.24	2.7	1.440	0.046	1.67	34.1	11.6	0.24	19	6.84	0.03	8.9	18.6	840
R609946		12.10	0.17	2.5	2.07	0.044	1.53	32.9	13.2	0.22	17	13.15	0.03	8.4	17.8	630
R609947		13.45	0.20	2.6	4.14	0.041	1.71	35.9	13.5	0.24	16	10.90	0.03	9.0	18.3	580
R609948		10.15	0.19	2.1	7.28	0.044	1.24	30.1	16.4	0.17	16	25.3	0.02	7.1	24.5	1450
R609949		14.05	0.22	2.5	4.74	0.034	1.77	35.2	12.7	0.26	14	15.25	0.03	9.2	25.6	670
R609950		12.40	0.21	2.4	2.34	0.029	1.72	32.2	12.1	0.25	16	9.43	0.03	8.7	23.0	540
R609951		13.15	0.22	2.3	2.06	0.040	1.69	33.4	12.4	0.26	18	8.22	0.03	8.6	19.5	530
R609952		13.75	0.22	2.5	2.09	0.044	1.74	35.5	13.3	0.25	16	7.82	0.03	9.3	17.9	670
R609953		13.85	0.21	2.8	2.02	0.049	1.72	35.8	13.5	0.25	17	8.16	0.03	9.4	18.2	780
R609954		13.40	0.23	2.6	1.725	0.039	1.73	35.1	12.6	0.25	17	4.93	0.03	9.6	17.7	720
R609955		13.60	0.24	2.7	1.400	0.026	1.78	36.2	12.9	0.25	15	3.89	0.03	9.7	16.5	530
R609956		13.20	0.23	2.8	1.690	0.032	1.81	35.2	12.7	0.32	54	3.71	0.03	9.4	40.7	610
R609957		12.85	0.23	2.7	1.605	0.042	1.72	33.0	11.3	0.39	128	4.54	0.03	9.0	79.7	770
R609958		13.00	0.22	2.5	1.850	0.039	1.71	32.5	11.1	0.28	121	5.32	0.03	8.9	81.4	680
R609959		12.80	0.23	2.4	1.630	0.047	1.71	32.8	11.2	0.26	135	5.22	0.03	9.1	85.4	670
R609960		13.15	0.24	2.3	1.665	0.036	1.71	33.1	12.5	0.27	126	6.00	0.03	9.0	93.0	660
R609961		11.30	0.21	2.2	1.540	0.027	1.63	29.6	12.6	0.24	74	5.24	0.03	7.9	99.6	580
R609962		11.70	0.23	2.3	1.540	0.030	1.59	31.0	13.5	0.23	57	5.41	0.03	8.3	112.0	610
R609963		11.65	0.20	2.3	1.500	0.030	1.56	31.1	13.4	0.27	43	4.61	0.03	8.2	106.0	620
R609964		11.45	0.15	2.2	1.325	0.033	1.57	29.8	12.8	0.28	43	4.22	0.03	8.1	100.5	590
R609965		11.95	0.18	2.3	1.375	0.034	1.58	31.0	14.1	0.25	44	4.51	0.03	8.2	114.0	570
R609966		12.25	0.23	2.4	1.725	0.050	1.78	34.6	15.0	0.33	115	7.76	0.03	8.2	173.0	880
R609967		9.40	0.21	1.9	0.230	0.040	1.22	29.1	15.6	0.40	171	5.84	0.08	7.4	66.9	1250
R609968		8.40	0.22	1.8	0.685	0.031	1.11	26.2	14.9	0.68	162	7.80	0.06	6.4	68.6	1680
R609969		9.12	0.21	1.8	0.914	0.037	1.26	27.4	15.8	0.48	181	8.09	0.07	7.1	77.2	1730
R609970		9.72	0.21	1.9	1.065	0.041	1.33	28.1	16.4	0.61	189	9.75	0.09	8.2	79.9	1610
R609971		11.40	0.23	2.4	0.855	0.049	1.73	30.6	19.1	0.92	295	7.15	0.13	10.8	68.3	1260
R609972		7.94	0.21	1.7	0.340	0.034	1.20	22.8	20.5	1.84	466	2.17	0.20	6.9	28.8	740
R609973		10.35	0.20	2.2	0.333	0.039	1.50	29.5	22.5	1.98	498	2.64	0.48	10.7	35.5	880
R609974		11.10	0.17	2.4	0.352	0.044	1.64	30.9	24.1	2.23	532	2.81	0.51	11.3	36.7	950
R609975		11.60	0.18	2.4	0.364	0.043	1.69	32.7	25.1	2.09	542	2.78	0.52	11.8	37.6	940
R609976		11.75	0.20	2.5	0.393	0.046	1.72	32.7	23.8	1.82	494	2.94	0.60	12.1	39.9	980
R609977		11.80	0.21	2.5	0.363	0.042	1.70	33.2	23.9	1.68	479	3.08	0.62	12.2	40.1	1000
R609978		9.33	0.17	1.9	0.455	0.039	1.20	28.8	14.0	0.35	142	7.81	0.07	7.1	67.3	1610
R609979		8.14	0.19	1.3	0.564	0.029	0.99	23.5	12.2	0.37	134	7.36	0.07	6.0	57.4	1560
R609980		9.10	0.20	1.6	0.653	0.032	1.16	25.3	15.9	0.51	248	6.84	0.11	7.2	60.9	1730
R609981		8.28	0.19	1.5	0.330	0.029	1.14	23.3	17.9	0.76	299	3.61	0.14	7.5	43.7	910
R609982		7.54	0.19	1.4	0.386	0.028	1.06	21.6	17.4	0.90	355	3.33	0.17	6.8	40.9	820

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VANCOUVER BC V6B 1L8

Finalized Date: 10- AUG- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16118847

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R609943		132.5	74.7	0.008	0.05	9.89	9.7	4	1.2	290	0.52	0.16	6.00	0.255	1.30	5.0
R609944		122.0	90.8	0.006	0.08	9.43	12.9	7	1.4	209	0.59	0.17	6.80	0.298	1.83	4.5
R609945		75.1	89.2	0.006	0.20	12.35	11.0	6	1.4	268	0.58	0.22	6.75	0.286	3.50	4.4
R609946		130.5	82.2	0.010	0.13	11.60	11.0	3	1.3	207	0.56	0.10	6.29	0.275	3.19	5.0
R609947		60.1	88.9	0.008	0.12	9.90	9.1	5	1.4	249	0.57	0.08	6.77	0.286	2.51	5.6
R609948		229	61.6	0.011	0.12	18.30	11.3	6	1.2	481	0.47	0.13	5.66	0.239	2.09	6.3
R609949		156.0	93.9	0.013	0.17	13.00	9.4	5	1.5	250	0.59	0.16	6.68	0.299	2.78	4.3
R609950		118.0	92.0	0.011	0.18	10.05	7.4	4	1.4	226	0.57	0.14	6.34	0.294	2.29	3.7
R609951		67.6	92.2	0.016	0.19	7.29	9.6	9	1.4	216	0.56	0.12	6.22	0.281	3.15	3.9
R609952		90.9	96.9	0.016	0.20	8.04	9.8	12	1.5	274	0.59	0.17	6.81	0.294	2.61	4.4
R609953		104.0	96.9	0.013	0.20	9.05	9.7	12	1.5	310	0.60	0.15	7.07	0.295	2.67	4.7
R609954		157.5	94.4	0.011	0.15	10.15	9.0	8	1.4	260	0.61	0.14	6.82	0.295	2.11	4.8
R609955		191.0	95.4	0.010	0.13	11.40	8.4	8	1.5	185.5	0.61	0.13	6.70	0.312	1.77	4.5
R609956		134.5	93.6	0.014	0.63	9.72	11.3	8	1.4	202	0.61	0.18	6.97	0.306	2.56	5.0
R609957		93.3	90.3	0.010	1.44	7.70	14.7	6	1.4	211	0.60	0.15	6.65	0.288	2.15	6.2
R609958		101.0	93.1	0.011	2.03	7.47	11.6	6	1.4	159.0	0.59	0.14	6.59	0.291	2.01	6.4
R609959		94.5	92.7	0.011	2.09	8.24	10.3	6	1.4	144.5	0.58	0.17	6.46	0.286	2.16	6.7
R609960		99.2	94.3	0.011	2.12	8.46	10.1	6	1.4	139.0	0.58	0.14	6.38	0.287	2.39	7.1
R609961		112.0	80.8	0.009	1.90	8.06	8.1	6	1.2	113.0	0.53	0.12	5.75	0.272	2.36	6.2
R609962		143.5	84.8	0.012	1.79	9.46	8.7	6	1.3	118.0	0.53	0.13	5.99	0.269	2.41	6.4
R609963		184.0	83.6	0.012	1.53	11.60	8.7	6	1.3	115.0	0.53	0.15	5.86	0.264	2.25	5.9
R609964		148.5	80.9	0.012	1.50	9.84	8.5	6	1.2	114.5	0.53	0.15	6.03	0.268	2.19	5.9
R609965		212	84.6	0.013	1.52	13.30	8.7	6	1.2	108.5	0.53	0.12	6.05	0.270	2.40	6.9
R609966		139.0	92.0	0.023	2.37	9.98	10.8	14	1.4	148.0	0.56	0.11	6.31	0.289	3.57	8.9
R609967		16.6	72.4	0.010	0.26	2.35	8.1	7	1.1	240	0.48	0.15	5.22	0.234	0.86	4.0
R609968		19.8	63.9	0.008	0.27	3.58	7.6	7	1.0	452	0.41	0.11	4.58	0.198	1.39	4.5
R609969		32.8	68.7	0.009	0.30	4.54	8.3	7	1.0	344	0.46	0.11	4.76	0.222	1.77	4.6
R609970		56.4	69.2	0.008	0.25	5.72	8.9	6	1.1	292	0.50	0.13	5.21	0.236	1.98	4.6
R609971		45.1	85.2	0.012	0.18	4.85	9.8	4	1.3	229	0.71	0.11	6.84	0.286	1.65	4.3
R609972		20.2	58.8	0.006	0.06	2.23	6.4	2	0.9	296	0.46	0.06	5.40	0.195	0.67	3.0
R609973		23.5	71.5	0.005	0.05	2.59	8.6	3	1.3	263	0.70	0.06	7.12	0.291	0.78	3.0
R609974		24.1	75.7	0.005	0.06	2.43	9.2	3	1.4	231	0.74	<0.05	7.77	0.313	0.87	3.1
R609975		24.9	81.0	0.005	0.06	2.45	9.6	2	1.4	227	0.79	0.09	7.83	0.322	0.93	3.1
R609976		26.7	80.2	0.005	0.06	2.68	10.0	4	1.4	220	0.80	0.06	8.09	0.341	0.96	3.2
R609977		26.7	81.3	0.006	0.06	2.81	10.0	4	1.4	239	0.81	0.09	8.15	0.349	0.97	3.2
R609978		22.3	70.1	0.008	0.24	3.69	8.1	7	1.1	283	0.47	0.11	5.19	0.223	1.32	4.4
R609979		20.6	58.8	0.007	0.27	3.35	7.4	7	0.9	327	0.38	0.08	4.14	0.180	1.25	4.0
R609980		19.3	64.7	0.007	0.26	3.16	8.4	6	1.1	299	0.48	0.08	4.91	0.212	1.27	4.1
R609981		13.8	57.4	0.006	0.09	1.99	7.7	3	1.0	253	0.47	0.05	4.84	0.200	0.77	3.6
R609982		14.1	51.5	0.004	0.06	1.75	7.2	2	0.9	258	0.45	<0.05	4.65	0.186	0.74	3.4

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CERTIFICATE OF ANALYSIS VA16118847

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- AA26 Au ppm 0.01
R609943		218	5.1	29.8	414	75.9	0.01
R609944		250	5.2	25.3	252	98.3	0.01
R609945		251	3.5	23.1	108	92.2	<0.01
R609946		225	5.6	19.9	86	84.5	0.01
R609947		244	6.9	21.5	74	88.4	0.01
R609948		215	7.2	16.2	79	75.4	0.01
R609949		249	6.6	18.0	78	88.6	0.01
R609950		229	5.0	15.6	71	82.3	0.01
R609951		230	3.9	17.0	91	81.1	0.01
R609952		240	5.1	18.3	90	89.5	0.01
R609953		243	5.7	18.6	108	89.5	0.01
R609954		238	6.7	17.9	109	92.5	0.01
R609955		241	7.0	18.3	123	92.4	0.01
R609956		241	6.8	20.5	174	94.0	0.01
R609957		245	6.6	25.1	362	88.8	0.01
R609958		243	7.1	24.2	405	82.9	0.01
R609959		241	7.1	24.0	353	83.3	0.01
R609960		240	7.3	24.7	344	85.7	0.01
R609961		232	7.2	21.5	338	72.5	0.01
R609962		229	7.4	22.5	358	77.2	0.01
R609963		223	7.5	21.2	351	77.5	0.01
R609964		225	7.8	21.1	294	76.2	0.01
R609965		231	8.2	22.6	409	77.9	0.01
R609966		243	7.2	35.2	866	81.4	0.01
R609967		238	1.2	27.3	241	66.2	<0.01
R609968		261	1.4	27.4	300	62.1	0.01
R609969		269	1.8	27.7	362	65.2	0.02
R609970		270	2.1	27.6	385	70.4	0.03
R609971		283	2.2	26.2	321	82.8	0.02
R609972		116	1.4	17.9	144	74.4	0.01
R609973		141	1.7	19.7	172	75.6	0.01
R609974		144	1.7	19.8	180	78.6	0.01
R609975		145	1.6	20.8	190	85.0	0.01
R609976		154	1.6	21.1	195	84.3	0.01
R609977		161	1.6	20.9	198	83.7	0.01
R609978		256	1.3	27.6	265	64.7	0.03
R609979		216	1.0	26.0	230	55.8	0.09
R609980		226	1.3	26.5	255	63.2	0.05
R609981		158	1.0	21.2	175	59.8	0.01
R609982		131	0.9	19.9	165	54.6	0.01

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Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16118847

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R609983		2.74	1.35	3.14	85.0	3150	0.93	0.13	12.30	1.53	31.4	4.3	109	6.18	34.7	1.99
R609984		2.64	1.46	4.35	134.5	4800	1.26	0.16	5.42	3.21	42.7	7.4	123	7.55	48.1	2.98
R609985		2.62	0.79	4.07	93.3	1670	1.28	0.16	10.90	1.96	45.0	7.1	76	6.19	36.8	2.49
R609986		2.70	0.60	4.81	99.2	1360	1.41	0.19	9.63	1.30	53.6	8.2	68	6.95	37.2	2.81
R609987		2.36	0.15	4.06	42.7	660	1.07	0.15	13.35	0.70	46.5	9.1	42	3.53	26.9	2.78
R609988		2.76	0.24	1.43	392	540	0.52	0.06	29.2	0.87	17.75	2.9	22	2.87	13.2	0.95
R609989		2.48	0.45	1.94	316	840	0.62	0.08	24.8	1.18	22.0	3.4	41	4.33	18.0	1.21
R609990		2.04	0.65	2.71	523	2240	0.81	0.11	19.05	1.34	30.2	2.4	54	9.01	25.0	1.73
R609991		1.92	0.75	5.48	265	1490	1.10	0.25	1.66	0.36	70.0	1.1	79	14.70	23.2	1.17
R609992		2.20	1.06	6.00	170.0	1760	1.16	0.25	0.64	0.14	76.3	0.8	91	11.90	30.1	1.43
R609993		2.12	1.59	5.76	3240	1840	2.20	0.26	0.78	6.45	72.1	2.7	120	10.65	154.0	5.58
R609994		2.12	0.41	2.70	1275	1360	3.63	0.09	24.9	7.66	23.8	12.9	39	3.46	284	3.22
R609995		2.26	0.21	0.87	307	430	0.96	0.04	33.0	2.52	9.98	4.5	15	1.54	53.2	1.03
R609996		2.08	0.13	0.43	223	230	0.39	0.03	34.2	1.53	6.49	3.1	10	1.05	20.1	0.83
R609997		2.00	0.13	0.41	245	280	0.41	0.02	34.1	2.76	6.04	4.2	9	0.84	24.3	1.11
R609998		2.32	0.12	0.58	231	180	0.49	0.02	34.6	2.00	4.71	2.7	7	0.74	19.1	0.63
R609999		2.46	0.08	0.22	132.0	120	0.23	0.01	35.9	1.86	3.52	2.5	6	0.41	9.2	0.43
R610000		2.42	0.10	0.20	113.0	140	0.25	0.02	36.2	1.17	4.13	1.6	7	0.53	8.5	0.32
R607601		2.00	0.08	0.20	179.5	120	0.41	0.02	36.3	2.16	3.02	3.3	5	0.38	15.6	0.58
R607602		2.30	0.71	1.01	653	960	0.96	0.04	31.5	7.37	10.80	4.5	15	5.40	32.9	1.30
R607603		2.20	0.34	0.51	457	410	0.53	0.02	34.5	4.81	5.76	3.8	9	1.24	12.1	1.01
R607604		2.66	0.14	0.36	316	370	0.48	0.02	37.1	2.23	4.14	2.2	6	0.77	8.5	0.56
R607605		2.40	0.10	0.28	251	400	0.38	0.02	35.2	1.33	3.24	1.7	5	0.69	8.2	0.47
R607606		2.26	0.12	0.31	171.5	350	0.39	0.02	35.0	0.94	3.69	1.4	6	0.65	7.9	0.34
R607607		2.38	0.14	0.33	125.5	240	0.35	0.02	35.0	1.06	3.76	1.2	6	0.66	7.1	0.28
R607608		2.46	0.20	0.54	277	360	0.59	0.03	31.3	1.92	5.83	2.6	9	1.23	23.5	0.66
R607609		2.40	0.13	0.31	76.6	170	0.23	0.01	27.3	1.11	3.36	1.1	5	0.46	2.8	0.19
R607610		3.22	0.05	0.14	41.3	90	0.16	0.01	28.0	0.54	1.63	0.8	4	0.23	2.7	0.12
R607611		2.86	0.18	0.42	106.5	140	0.36	0.02	29.7	1.31	4.66	1.0	6	0.64	2.9	0.25
R607612		2.74	0.35	0.65	57.1	180	0.53	0.03	24.1	1.29	6.73	0.9	9	0.91	3.4	0.30

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 10- AUG- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16118847

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R609983		7.79	0.20	1.3	0.235	0.031	0.96	23.7	11.9	0.43	233	5.25	0.08	5.8	54.6	1280
R609984		10.70	0.20	2.0	0.408	0.043	1.35	29.1	20.7	0.64	314	6.81	0.17	8.2	70.1	1590
R609985		10.20	0.19	1.8	0.306	0.036	1.42	26.8	22.8	0.90	335	3.64	0.17	9.0	50.4	930
R609986		11.60	0.20	2.2	0.385	0.042	1.72	30.5	30.0	1.80	458	3.02	0.24	10.0	41.8	890
R609987		9.92	0.19	1.8	0.145	0.038	1.41	25.6	25.1	3.41	645	1.33	0.26	8.6	25.7	710
R609988		3.53	0.14	0.6	0.542	0.012	0.52	10.4	5.7	0.76	163	1.29	0.11	3.3	14.4	390
R609989		4.88	0.17	0.9	0.768	0.017	0.67	14.5	6.7	0.59	196	2.13	0.12	4.3	24.6	480
R609990		7.10	0.17	1.3	2.03	0.029	1.09	19.1	7.4	0.42	187	3.97	0.07	7.0	22.0	610
R609991		16.05	0.28	3.1	1.980	0.053	2.38	41.4	9.1	0.45	36	5.24	0.04	19.5	18.8	490
R609992		19.80	0.29	2.8	2.96	0.058	2.53	45.1	10.8	0.41	22	5.71	0.03	20.1	17.6	700
R609993		19.30	0.25	2.4	2.58	0.130	2.40	40.6	11.3	0.39	47	26.0	0.04	16.3	33.5	1890
R609994		5.48	0.16	0.9	0.990	0.041	0.70	16.0	5.2	0.26	227	10.00	0.03	4.9	97.4	1810
R609995		2.00	0.13	0.3	0.659	0.012	0.25	8.9	2.1	0.18	304	2.61	0.03	1.8	28.7	380
R609996		1.20	0.12	0.2	0.385	0.006	0.15	6.5	1.3	0.13	201	1.76	0.02	1.0	21.1	190
R609997		1.01	0.11	0.2	0.285	<0.005	0.12	6.5	1.1	0.13	177	1.39	0.02	0.8	32.3	170
R609998		0.85	0.15	0.1	0.269	<0.005	0.10	4.6	1.1	0.14	341	1.82	0.02	0.7	26.2	160
R609999		0.50	0.12	0.1	0.180	<0.005	0.06	4.3	0.6	0.12	475	0.80	0.01	0.4	17.3	90
R610000		0.61	0.12	0.1	0.301	<0.005	0.07	4.6	0.8	0.12	211	0.82	0.01	0.5	10.5	100
R607601		0.45	0.11	0.1	0.435	<0.005	0.05	3.6	0.7	0.11	383	0.87	0.01	0.3	22.2	90
R607602		2.24	0.15	0.4	3.88	0.010	0.27	8.2	4.9	0.15	274	5.50	0.01	1.9	65.4	370
R607603		1.34	0.14	0.2	1.740	0.006	0.19	3.9	1.7	0.15	249	3.13	0.01	1.2	40.3	160
R607604		0.94	0.12	0.1	0.883	0.005	0.13	2.6	1.3	0.18	250	1.95	0.01	0.7	24.9	120
R607605		0.81	0.12	0.1	0.587	<0.005	0.10	2.1	1.1	0.15	175	1.89	0.01	0.6	28.2	90
R607606		0.85	0.12	0.1	0.499	<0.005	0.12	2.2	1.1	1.09	163	1.25	0.01	0.6	15.7	120
R607607		0.93	0.16	0.1	0.680	<0.005	0.13	2.2	1.1	0.99	170	0.96	0.01	0.6	10.9	140
R607608		1.39	0.13	0.2	0.890	0.007	0.19	3.8	1.8	1.54	223	1.97	0.01	1.1	23.2	220
R607609		0.86	0.17	0.1	0.573	<0.005	0.13	1.9	1.2	7.24	147	1.19	0.01	0.5	7.3	100
R607610		0.46	0.19	0.1	0.230	<0.005	0.05	0.9	0.7	7.18	65	0.51	0.01	0.2	3.9	50
R607611		1.25	0.22	0.2	0.815	<0.005	0.19	2.5	2.0	4.28	159	0.57	0.01	0.6	5.9	170
R607612		1.80	0.24	0.2	0.720	0.005	0.29	3.4	3.9	8.57	112	0.59	0.01	1.1	5.2	270

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Finalized Date: 10- AUG- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16118847

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R609983		11.1	57.5	0.004	0.16	2.03	7.2	6	0.9	244	0.38	0.11	4.11	0.181	0.76	4.0
R609984		18.6	74.4	0.005	0.20	2.99	10.4	5	1.2	247	0.53	0.12	5.80	0.266	1.19	4.2
R609985		17.4	71.5	0.006	0.09	2.12	8.9	3	1.2	238	0.57	0.05	5.93	0.252	0.88	3.4
R609986		20.7	82.2	0.007	0.08	2.15	9.4	2	1.4	229	0.67	0.05	7.41	0.281	0.84	3.3
R609987		20.4	63.7	0.004	0.14	0.90	8.0	2	1.2	229	0.59	<0.05	6.20	0.256	0.64	2.5
R609988		9.0	24.9	0.004	0.02	1.22	3.6	1	0.4	197.0	0.21	<0.05	2.14	0.089	0.92	3.6
R609989		11.9	35.0	0.003	0.02	2.34	5.6	2	0.6	208	0.28	<0.05	2.79	0.116	1.09	3.9
R609990		16.8	53.5	0.007	0.15	3.23	6.2	3	0.8	328	0.46	<0.05	4.16	0.174	6.93	3.5
R609991		25.3	118.0	0.010	0.15	6.37	9.5	6	1.9	159.5	1.17	0.08	9.22	0.395	10.15	4.3
R609992		28.1	126.5	0.021	0.27	6.88	9.6	3	1.9	195.0	1.17	0.11	9.47	0.393	12.05	5.1
R609993		34.5	121.0	0.028	0.60	7.88	16.9	8	1.8	293	0.94	0.18	11.70	0.329	10.25	12.9
R609994		15.6	33.7	0.005	0.08	3.25	9.6	4	0.6	146.5	0.30	<0.05	3.42	0.110	1.74	17.2
R609995		8.1	11.8	0.003	0.03	1.10	3.6	2	0.3	134.0	0.11	<0.05	1.16	0.040	0.89	8.4
R609996		5.4	7.2	0.003	0.02	0.84	2.3	1	0.2	114.0	0.07	<0.05	0.68	0.025	0.68	7.3
R609997		6.3	5.9	0.003	0.02	0.89	2.1	1	<0.2	128.0	0.05	<0.05	0.57	0.020	0.56	5.4
R609998		6.9	5.0	0.003	0.01	1.23	2.8	1	<0.2	137.5	<0.05	<0.05	0.45	0.017	0.53	4.3
R609999		4.5	2.8	0.003	0.01	0.71	1.6	<1	<0.2	114.5	<0.05	<0.05	0.26	0.010	0.29	4.0
R610000		10.2	3.4	0.003	0.01	0.98	2.6	1	<0.2	121.0	<0.05	<0.05	0.36	0.012	0.32	4.9
R607601		10.4	2.2	0.003	0.01	1.24	1.1	1	<0.2	105.5	<0.05	<0.05	0.22	0.008	0.26	2.9
R607602		78.8	13.7	0.004	0.03	5.46	3.5	2	0.3	209	0.12	<0.05	1.21	0.044	0.89	6.5
R607603		21.1	8.1	0.003	0.01	2.66	4.2	1	0.2	161.0	0.07	<0.05	0.74	0.026	0.59	3.6
R607604		10.8	5.4	0.002	0.02	1.37	2.1	1	0.2	146.0	0.05	<0.05	0.53	0.019	0.55	2.9
R607605		8.4	4.5	0.003	0.02	1.20	1.3	1	<0.2	136.0	<0.05	<0.05	0.41	0.015	0.45	2.4
R607606		9.4	5.0	<0.002	0.02	0.78	1.0	1	0.2	144.0	<0.05	<0.05	0.44	0.016	0.37	2.2
R607607		12.0	5.4	0.003	0.01	0.65	1.2	1	0.2	165.5	0.05	<0.05	0.49	0.017	0.45	2.0
R607608		17.9	8.4	0.003	0.03	1.56	2.4	1	0.2	129.5	0.07	<0.05	0.75	0.028	0.67	3.2
R607609		21.5	4.9	0.002	<0.01	0.69	1.5	1	0.2	136.5	<0.05	<0.05	0.44	0.016	0.38	1.2
R607610		6.8	2.3	0.002	<0.01	0.32	0.7	1	0.2	105.0	<0.05	<0.05	0.19	0.007	0.20	0.5
R607611		38.5	7.1	0.003	0.06	0.91	1.7	1	0.2	108.5	<0.05	<0.05	0.59	0.020	2.41	2.0
R607612		48.3	11.2	0.003	0.17	0.91	1.4	<1	0.3	143.5	0.06	<0.05	0.89	0.032	2.14	2.2

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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Finalized Date: 10- AUG- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16118847

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- AA26 Au ppm 0.01
R609983		190	1.3	24.3	206	53.4	0.01
R609984		245	1.5	29.4	277	71.9	0.02
R609985		186	1.1	22.1	193	70.8	<0.01
R609986		173	1.5	21.1	182	83.5	<0.01
R609987		86	1.0	15.9	147	66.3	<0.01
R609988		64	0.6	11.7	90	23.9	0.01
R609989		102	1.0	16.5	150	35.5	0.02
R609990		177	1.8	15.6	152	54.0	0.04
R609991		350	4.0	18.0	30	121.5	0.01
R609992		364	4.3	16.6	18	116.0	0.02
R609993		504	3.8	22.0	286	101.0	0.02
R609994		206	1.6	45.3	805	37.6	0.03
R609995		67	0.6	20.8	293	12.4	0.05
R609996		40	0.4	15.7	264	7.6	0.07
R609997		35	0.4	17.4	352	6.3	0.03
R609998		36	0.3	16.8	225	5.5	0.05
R609999		25	0.3	13.0	153	3.3	0.04
R610000		27	0.2	13.6	79	3.9	0.03
R607601		28	0.3	12.2	200	2.8	0.03
R607602		96	1.5	20.9	525	14.3	0.33
R607603		65	0.8	12.5	401	9.5	0.14
R607604		37	0.5	9.3	185	6.1	0.05
R607605		25	0.4	6.4	142	4.7	0.03
R607606		21	0.4	4.1	123	5.0	0.03
R607607		19	0.4	3.7	179	5.1	0.03
R607608		44	0.5	9.0	208	8.7	0.04
R607609		14	0.4	5.5	171	4.7	0.03
R607610		7	0.2	2.2	84	2.2	0.01
R607611		13	0.5	5.3	223	6.0	<0.01
R607612		13	0.7	4.1	249	8.4	0.01

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Project: Nadaleen

Finalized Date: 10- AUG- 2016
Account: RCM

CERTIFICATE OF ANALYSIS VA16118847

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA26	CRU- 31	CRU- QC	Hg- MS42
LOG- 21	ME- MS61	PUL- 31	PUL- QC
SPL- 21	WEI- 21		

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2016
Account: RCM

CERTIFICATE VA16120930

Project: Nadaleen

P.O. No.: N16- B08

This report is for 46 Rock samples submitted to our lab in Whitehorse, YT, Canada on 26- JUL- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES

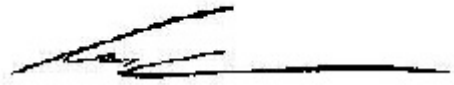
ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA16120930

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R607613		2.36	1.89	3.23	155.0	5000	1.15	0.15	7.51	4.79	34.8	3.5	137	8.34	40.3	2.04
R607614		2.72	3.12	4.29	178.5	5400	1.54	0.20	5.14	7.71	47.6	5.5	178	13.45	62.7	2.71
R607615		2.40	1.89	3.98	161.5	5370	1.45	0.17	4.26	5.14	42.4	4.9	125	10.00	47.9	2.44
R607616		2.48	1.76	3.89	260	5110	1.32	0.16	7.56	4.10	40.7	5.0	136	9.45	49.4	2.73
R607617		2.34	1.31	4.44	186.0	3130	1.47	0.18	7.29	2.93	51.6	7.4	114	10.55	52.1	2.89
R607618		2.06	1.56	4.70	253	3990	1.56	0.20	6.68	3.72	56.4	8.3	131	11.95	61.9	3.22
R607619		2.12	0.89	4.68	124.5	2050	1.43	0.18	6.06	1.83	50.4	9.4	94	8.58	51.9	3.12
R607620		2.26	0.87	4.89	128.0	1670	1.49	0.18	5.83	1.57	55.6	9.3	81	10.95	53.0	3.08
R607621		3.04	1.56	3.82	188.5	4490	1.24	0.15	5.55	4.20	40.5	5.0	106	8.81	45.8	2.43
R607622		2.10	1.71	3.82	139.5	5080	1.25	0.15	4.86	5.17	37.1	4.7	124	8.86	45.6	2.40
R607623		2.48	0.87	3.66	112.5	2810	1.18	0.14	11.60	2.79	41.3	6.0	76	6.50	33.1	2.28
R607624		1.94	0.74	4.23	86.9	1540	1.30	0.15	9.29	1.41	51.4	7.2	68	8.10	40.9	2.59
R607625		2.20	0.30	3.74	67.9	750	1.17	0.15	14.40	1.17	47.0	8.6	42	4.30	27.2	2.60
R607626		2.66	0.52	3.97	223	990	1.09	0.15	14.50	1.57	46.3	8.1	50	7.19	26.8	2.45
R607627		2.42	0.70	1.48	1010	1110	0.45	0.07	26.2	0.93	20.8	1.9	23	2.73	10.4	1.02
R607628		2.08	0.86	2.93	661	2140	0.96	0.11	16.45	1.14	33.4	4.5	60	6.36	26.9	1.76
R607629		2.06	0.68	4.07	664	2010	1.41	0.15	12.30	1.07	43.9	5.0	63	16.60	46.7	1.84
R607630		2.14	0.83	4.85	828	1930	1.59	0.19	7.45	1.14	50.8	5.1	79	19.30	62.9	2.44
R607631		1.96	0.77	5.02	717	2800	1.71	0.19	6.60	1.12	51.3	4.4	83	21.0	63.8	2.48
R607632		2.12	1.21	4.90	801	2720	1.71	0.18	5.56	1.63	52.1	4.9	79	20.5	72.9	2.60
R607633		2.06	0.89	5.36	825	2190	2.04	0.22	4.93	2.17	57.1	8.0	87	20.8	100.0	3.12
R607634		2.00	0.79	5.53	565	2140	2.02	0.22	4.32	2.01	59.8	7.6	86	22.9	94.3	3.05
R607635		1.80	0.84	5.71	594	2090	1.96	0.23	3.74	1.54	60.3	6.7	94	23.2	78.2	2.86
R607636		1.94	0.95	5.59	838	1990	1.96	0.22	3.44	1.72	59.2	7.2	92	23.6	82.4	3.11
R607637		2.32	1.03	5.38	896	1270	1.89	0.23	4.58	1.77	58.2	7.4	84	21.8	77.4	3.15
R607638		2.10	0.91	4.92	776	1420	1.73	0.22	5.36	1.60	55.4	7.2	79	20.7	65.8	2.86
R607639		2.14	0.89	5.18	720	840	1.74	0.22	4.86	1.79	58.8	8.7	80	22.2	70.6	3.09
R607640		2.20	0.78	5.29	533	1380	1.87	0.21	3.71	1.67	59.7	8.7	87	22.5	68.7	3.02
R607641		2.16	0.82	5.43	626	1410	1.79	0.22	3.35	1.98	62.4	9.4	87	23.9	70.5	3.26
R607642		2.12	0.80	5.38	812	1380	1.89	0.21	3.43	2.17	61.1	9.4	86	23.0	65.4	3.02
R607643		2.24	0.97	5.32	919	1350	1.77	0.21	4.95	2.01	61.6	8.8	88	22.6	68.3	2.99
R607644		2.28	1.17	5.21	1225	1250	1.74	0.21	4.86	1.84	59.4	8.6	86	21.2	70.8	2.95
R607645		2.28	1.18	5.28	1040	1500	1.71	0.21	5.11	1.86	59.6	8.9	87	20.9	74.3	3.10
R607646		2.44	0.93	5.15	664	1240	1.71	0.21	4.71	1.63	59.6	8.6	87	20.9	67.8	3.06
R607647		2.14	0.93	5.18	768	1400	1.67	0.22	4.36	1.52	59.3	8.8	88	20.1	67.0	2.97
R607648		2.08	1.01	5.60	836	940	1.76	0.23	2.13	1.43	62.5	10.4	95	21.4	86.1	3.06
R607649		2.46	0.95	5.56	750	1310	1.72	0.23	3.33	1.12	61.7	9.1	96	20.1	92.2	2.62
R607650		2.58	1.16	5.52	1065	1300	1.73	0.22	3.81	1.07	60.3	9.6	95	20.1	95.2	2.61
R607651		2.48	1.98	5.58	1480	1410	1.87	0.24	2.33	2.07	64.3	9.8	93	21.1	86.8	3.00
R607652		1.98	2.35	3.80	216	5970	1.15	0.16	4.19	6.18	42.1	4.2	150	9.45	51.3	2.30

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Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R607613		8.18	0.22	1.5	0.580	0.031	1.14	25.5	17.6	0.33	104	10.20	0.05	6.8	53.4	2200
R607614		11.10	0.24	2.0	0.678	0.051	1.53	34.1	21.7	0.35	165	14.35	0.07	9.6	83.2	2650
R607615		10.25	0.20	1.8	0.646	0.036	1.42	29.7	27.0	0.36	160	9.60	0.06	8.8	62.6	2040
R607616		9.51	0.15	1.8	0.958	0.043	1.42	27.8	18.9	0.53	183	9.56	0.08	8.6	63.6	1550
R607617		11.25	0.17	2.1	0.588	0.041	1.66	31.7	24.3	0.88	291	7.17	0.16	11.7	57.8	1240
R607618		12.15	0.18	2.2	0.729	0.050	1.73	34.8	23.9	0.96	340	9.37	0.18	12.3	72.0	1430
R607619		11.45	0.15	2.1	0.405	0.051	1.70	29.1	24.4	1.02	367	4.41	0.27	11.3	43.6	930
R607620		12.20	0.15	2.3	0.385	0.050	1.83	31.1	26.6	1.13	336	4.09	0.28	12.7	40.0	960
R607621		9.52	0.15	1.8	0.714	0.037	1.34	27.7	18.0	0.57	181	8.41	0.09	8.4	57.3	1890
R607622		9.05	0.14	1.7	0.586	0.037	1.30	27.1	16.6	0.41	184	8.65	0.06	7.4	63.8	1990
R607623		9.40	0.14	1.7	0.343	0.037	1.32	26.0	21.3	0.73	299	4.97	0.11	8.4	47.2	1210
R607624		10.85	0.14	2.1	0.406	0.043	1.59	29.3	23.3	1.27	333	3.36	0.23	11.9	32.6	770
R607625		9.72	0.14	1.8	0.127	0.037	1.30	25.7	29.2	2.28	443	2.04	0.26	8.3	26.9	710
R607626		9.46	0.14	1.7	1.510	0.033	1.39	26.0	21.0	1.68	385	2.58	0.38	9.4	29.3	780
R607627		4.09	0.09	0.8	6.71	0.016	0.61	12.9	7.1	1.03	204	2.07	0.07	4.5	10.2	400
R607628		7.66	0.14	1.4	2.39	0.027	1.07	22.1	12.0	0.79	245	3.79	0.10	7.2	34.9	820
R607629		10.90	0.15	1.9	1.235	0.039	1.72	25.9	13.6	0.70	177	2.85	0.05	11.2	26.5	890
R607630		12.55	0.16	2.2	1.225	0.043	2.03	29.9	14.5	0.65	198	3.69	0.05	13.3	33.0	990
R607631		12.85	0.17	2.3	0.826	0.047	2.14	30.5	13.9	0.56	156	3.74	0.05	13.3	31.7	1020
R607632		12.85	0.15	2.1	1.055	0.044	2.08	30.2	12.9	0.61	152	3.95	0.04	13.1	37.6	1000
R607633		13.55	0.15	2.4	1.540	0.055	2.26	33.0	13.8	0.77	236	4.53	0.05	15.1	54.9	1250
R607634		14.35	0.17	2.6	1.015	0.052	2.34	34.5	15.0	0.72	230	4.32	0.04	15.9	56.3	1090
R607635		14.65	0.16	2.6	0.821	0.051	2.44	34.9	14.9	0.71	206	4.12	0.05	16.2	48.4	1070
R607636		14.55	0.15	2.5	0.600	0.052	2.43	33.9	14.3	0.73	216	4.55	0.04	15.6	51.0	1080
R607637		13.95	0.13	2.4	0.911	0.049	2.32	33.2	13.1	0.73	200	4.20	0.04	15.4	49.0	1050
R607638		12.95	0.14	2.3	1.115	0.047	2.13	31.2	12.7	0.74	193	4.11	0.04	14.1	46.0	920
R607639		13.80	0.14	2.4	1.045	0.055	2.26	32.5	12.6	0.83	213	4.69	0.04	15.3	53.1	980
R607640		14.35	0.12	2.3	0.816	0.052	2.29	31.4	12.1	0.77	219	4.79	0.04	15.5	56.2	960
R607641		15.15	0.11	2.4	0.853	0.050	2.39	32.9	12.1	0.77	251	5.30	0.04	16.3	60.9	980
R607642		14.70	0.13	2.4	0.868	0.051	2.37	32.1	11.0	0.78	245	4.77	0.04	16.2	61.6	990
R607643		14.70	0.12	2.5	0.824	0.045	2.35	32.9	10.8	0.76	225	4.69	0.03	16.4	58.5	950
R607644		14.45	0.12	2.4	1.140	0.046	2.31	32.9	10.3	0.76	222	4.47	0.03	16.0	55.4	950
R607645		14.40	0.11	2.4	1.045	0.051	2.32	31.6	9.8	0.84	243	4.68	0.04	16.0	57.1	1010
R607646		14.45	0.12	2.4	0.867	0.049	2.31	31.4	9.3	0.79	254	4.84	0.04	15.9	56.0	950
R607647		14.50	0.11	2.3	2.06	0.045	2.31	31.2	9.2	0.75	236	5.08	0.04	15.6	55.3	950
R607648		15.70	0.10	2.5	0.667	0.056	2.53	33.5	9.1	0.62	168	5.18	0.04	16.5	60.4	920
R607649		15.55	0.11	2.5	1.880	0.049	2.48	33.1	10.3	0.70	153	4.83	0.05	16.4	52.6	840
R607650		15.50	0.11	2.5	0.904	0.048	2.49	32.3	9.7	0.64	126	4.80	0.04	16.1	53.8	720
R607651		16.05	0.13	2.5	0.901	0.048	2.53	35.0	10.0	0.58	123	4.80	0.04	16.4	53.9	760
R607652		10.50	0.11	1.7	0.743	0.039	1.36	28.1	15.1	0.36	106	12.60	0.05	8.4	65.1	2480

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R607613		20.0	57.5	0.015	0.26	5.30	6.8	8	1.1	424	0.46	0.10	4.78	0.190	1.77	5.4
R607614		27.7	82.8	0.007	0.26	7.23	9.4	9	1.4	313	0.62	0.13	6.56	0.252	2.46	7.3
R607615		22.4	77.5	0.009	0.24	5.14	8.1	7	1.3	297	0.66	0.13	5.69	0.237	2.00	5.7
R607616		46.7	68.2	0.006	0.23	5.88	7.8	6	1.2	348	0.56	0.10	5.53	0.233	2.05	5.0
R607617		37.4	79.4	0.006	0.17	4.87	9.0	5	1.4	257	0.80	0.08	6.93	0.284	1.58	4.4
R607618		43.8	84.8	0.006	0.19	5.83	9.9	6	1.5	263	0.78	0.08	7.88	0.299	2.20	5.4
R607619		24.7	74.2	0.006	0.15	3.35	9.7	3	1.4	206	0.73	0.08	6.68	0.327	1.10	3.3
R607620		23.4	83.0	0.006	0.14	3.48	9.9	4	1.5	204	0.81	0.09	7.54	0.333	1.06	3.4
R607621		29.2	66.3	0.007	0.21	4.97	7.8	6	1.1	287	0.51	0.07	5.46	0.235	1.62	4.9
R607622		18.1	65.3	0.004	0.23	4.59	7.3	6	1.1	259	0.46	0.11	5.17	0.225	1.68	5.1
R607623		18.9	63.7	0.003	0.12	2.72	7.8	3	1.1	299	0.54	0.08	5.86	0.218	1.15	4.1
R607624		17.4	71.7	0.007	0.12	2.81	8.4	3	1.3	255	0.73	0.06	6.87	0.296	0.89	3.4
R607625		18.5	63.1	0.004	0.07	1.62	7.6	3	1.2	358	0.56	0.05	6.75	0.225	0.63	2.8
R607626		18.7	61.8	0.004	0.10	2.57	7.4	3	1.2	250	0.61	<0.05	6.39	0.243	12.55	3.7
R607627		18.8	28.2	0.002	0.07	3.14	3.5	2	0.5	281	0.28	<0.05	2.69	0.099	66.0	3.7
R607628		14.9	54.7	0.006	0.08	2.85	6.6	3	0.9	261	0.45	<0.05	4.38	0.178	24.6	3.9
R607629		16.5	81.7	0.018	0.09	2.52	7.9	2	1.3	220	0.68	0.05	5.66	0.239	10.75	4.4
R607630		18.7	96.5	0.025	0.09	3.08	9.0	2	1.4	184.5	0.82	0.06	6.91	0.284	13.40	4.7
R607631		18.9	99.6	0.019	0.16	3.37	9.0	2	1.6	169.5	0.82	0.06	6.98	0.295	5.08	4.5
R607632		25.4	97.2	0.016	0.45	5.14	8.9	2	1.4	177.0	0.81	0.07	6.91	0.289	6.75	4.4
R607633		26.7	108.0	0.013	0.54	4.95	10.6	3	1.6	166.5	0.90	0.10	8.30	0.317	11.15	5.6
R607634		20.6	115.0	0.016	0.53	4.07	10.5	3	1.7	163.0	0.95	0.09	8.48	0.332	15.05	5.1
R607635		19.7	117.5	0.018	0.42	3.84	10.4	3	1.7	147.5	0.94	0.07	8.35	0.339	10.05	4.6
R607636		24.2	115.0	0.020	0.58	5.56	10.6	3	1.7	148.0	0.94	0.09	8.40	0.331	6.17	4.8
R607637		36.5	110.0	0.016	0.95	8.77	9.8	3	1.6	157.5	0.93	0.11	8.04	0.325	6.85	4.5
R607638		29.8	103.5	0.014	1.04	6.25	9.1	4	1.6	158.5	0.88	0.08	7.64	0.297	8.13	4.3
R607639		28.3	111.0	0.012	1.10	6.95	9.8	4	1.7	179.5	0.93	0.07	7.81	0.311	10.20	4.3
R607640		22.6	118.0	0.010	1.14	5.51	10.4	4	1.6	146.5	0.95	0.10	8.24	0.318	5.71	4.2
R607641		22.8	122.5	0.011	1.21	5.62	10.8	4	1.7	153.5	0.96	0.08	8.50	0.328	6.54	4.3
R607642		18.9	118.5	0.009	1.11	5.34	10.6	4	1.6	124.5	0.97	0.08	8.40	0.331	5.32	4.2
R607643		20.9	119.0	0.008	1.25	5.88	10.5	4	1.7	143.5	0.98	0.09	8.52	0.323	6.96	4.4
R607644		21.4	115.5	0.011	1.15	6.19	10.5	4	1.6	135.0	0.97	0.09	8.30	0.319	6.04	4.4
R607645		20.4	115.5	0.009	1.12	6.10	10.7	4	1.7	132.0	0.97	0.09	8.29	0.317	7.72	4.4
R607646		18.4	116.5	0.008	1.07	5.24	10.6	4	1.6	121.5	0.93	0.11	8.16	0.318	5.72	4.2
R607647		18.9	115.5	0.008	1.16	5.12	10.4	4	1.6	120.0	0.92	0.10	8.11	0.313	6.10	4.2
R607648		17.3	125.5	0.006	1.73	5.58	10.7	4	1.7	94.4	0.97	0.10	8.52	0.335	3.50	4.3
R607649		22.2	123.5	0.010	1.25	5.27	10.4	4	1.7	117.0	0.98	0.09	8.29	0.335	9.22	4.2
R607650		24.8	122.0	0.010	1.39	6.64	10.1	4	1.7	114.5	0.96	0.09	7.97	0.334	6.49	4.1
R607651		45.1	123.5	0.011	1.37	8.81	10.4	5	1.7	121.5	0.97	0.11	8.44	0.333	4.75	4.3
R607652		32.5	74.6	0.012	0.30	6.92	8.8	8	1.2	345	0.53	0.11	5.72	0.227	2.10	6.2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16120930

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- AA26 Au ppm 0.01
R607613		300	1.3	24.5	270	57.2	0.02
R607614		407	1.8	33.7	412	76.1	0.01
R607615		330	1.6	27.1	318	71.1	0.04
R607616		293	1.7	26.0	344	66.3	0.02
R607617		280	1.8	25.6	293	80.2	0.01
R607618		296	2.1	28.5	359	85.3	0.02
R607619		253	1.7	20.4	206	79.2	0.01
R607620		273	3.0	20.5	199	87.7	0.01
R607621		289	1.6	24.8	289	70.3	0.02
R607622		309	1.4	25.9	311	62.8	0.03
R607623		194	1.1	21.4	197	64.0	<0.01
R607624		236	1.3	18.6	165	81.1	0.02
R607625		115	1.0	17.1	140	65.6	<0.01
R607626		147	1.5	17.6	166	61.5	0.04
R607627		85	1.8	11.9	57	30.4	0.12
R607628		175	1.6	18.9	155	51.4	0.06
R607629		243	1.5	16.7	108	72.7	0.02
R607630		283	1.7	18.6	148	85.0	0.05
R607631		300	1.7	18.2	145	86.6	0.01
R607632		305	2.0	19.4	160	85.1	0.03
R607633		329	1.9	24.0	258	90.7	0.03
R607634		334	1.7	22.8	263	96.5	0.02
R607635		338	1.7	22.1	233	97.7	0.02
R607636		337	1.8	22.4	273	94.5	0.01
R607637		324	1.9	21.8	286	93.2	0.01
R607638		297	1.8	21.8	276	89.2	0.03
R607639		312	1.8	23.0	303	92.7	0.02
R607640		315	1.7	22.6	310	91.4	0.01
R607641		326	1.8	24.4	353	99.1	0.01
R607642		326	1.8	24.7	378	96.6	0.01
R607643		321	2.0	25.3	330	101.0	0.01
R607644		316	2.3	25.1	320	96.0	0.02
R607645		320	2.2	24.6	317	91.8	0.01
R607646		315	1.8	24.4	306	95.1	0.01
R607647		318	2.0	23.3	294	91.3	0.02
R607648		355	2.0	22.9	255	97.7	0.01
R607649		347	2.1	21.2	188	97.6	0.05
R607650		343	2.4	18.9	164	97.1	0.01
R607651		342	7.9	18.4	207	97.9	0.01
R607652		359	1.7	27.9	308	69.3	0.01

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16120930

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R607653		1.80	1.85	4.03	194.0	5780	1.25	0.16	2.81	6.55	44.4	5.1	147	10.05	54.0	2.48
R607654		1.84	1.76	4.17	172.5	5700	1.27	0.16	2.87	5.69	45.0	6.1	144	10.40	53.6	2.63
R607655		2.38	1.85	4.33	431	4900	1.48	0.16	2.58	5.02	45.2	6.1	129	10.20	76.7	3.16
R607656		2.20	1.30	4.44	247	2730	1.49	0.16	4.72	2.53	50.9	6.6	104	9.93	61.5	2.93
R607657		2.28	0.67	5.07	73.8	1210	1.23	0.16	5.63	1.16	54.2	12.3	76	7.49	68.8	3.69
R607658		2.46	1.06	4.73	92.8	1890	1.40	0.16	5.64	1.11	54.4	8.8	79	9.06	51.0	3.04

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Finalized Date: 11- AUG- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16120930

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R607653		10.80	0.12	1.8	0.577	0.040	1.46	29.7	16.0	0.32	151	11.80	0.05	8.8	71.7	2540
R607654		11.05	0.10	1.8	0.575	0.040	1.43	30.0	16.6	0.36	205	11.45	0.05	9.1	74.0	2090
R607655		11.25	0.12	1.8	1.075	0.048	1.50	29.4	16.3	0.50	206	11.05	0.07	9.0	90.4	1730
R607656		12.15	0.11	2.1	0.595	0.045	1.69	29.0	18.4	0.97	253	7.39	0.12	12.6	60.1	1240
R607657		14.00	0.12	2.3	0.237	0.054	1.64	27.3	28.7	1.57	430	2.79	0.42	12.6	39.4	740
R607658		13.30	0.09	2.3	0.292	0.043	1.72	28.4	25.7	1.29	326	3.29	0.26	13.3	36.8	700

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Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16120930

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R607653		37.5	79.4	0.009	0.25	6.30	8.7	8	1.2	302	0.57	0.10	5.85	0.235	1.94	6.6
R607654		27.2	82.2	0.004	0.26	5.83	8.7	8	1.2	249	0.57	0.12	5.96	0.244	2.00	5.9
R607655		79.5	80.8	0.004	0.23	8.67	10.4	6	1.3	242	0.57	0.12	6.17	0.245	2.21	7.6
R607656		32.8	84.8	0.006	0.17	5.06	10.0	4	1.4	201	0.75	0.08	6.66	0.288	1.21	5.3
R607657		16.7	80.8	0.004	0.14	2.63	13.6	2	1.6	168.5	0.76	0.09	6.83	0.402	0.71	2.7
R607658		21.0	84.8	0.004	0.15	3.32	11.3	3	1.5	182.0	0.80	0.09	7.09	0.355	0.79	3.2

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Finalized Date: 11- AUG- 2016
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Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16120930

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Au- AA26
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	0.01
R607653		364	1.5	29.2	341	69.7	0.02
R607654		344	1.6	28.8	350	71.5	0.01
R607655		312	2.0	30.8	474	71.9	0.03
R607656		302	1.7	24.7	316	82.3	0.01
R607657		249	1.3	20.3	146	91.0	0.01
R607658		276	1.6	21.4	157	90.0	0.01

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 11- AUG- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16120930

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA26	CRU- 31	CRU- QC	Hg- MS42
LOG- 21	ME- MS61	PUL- 31	PUL- QC
SPL- 21	WEI- 21		

ALS Canada Ltd.

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 29- AUG- 2016
Account: RCM

CERTIFICATE VA16126368

Project: Nadaleen

P.O. No.: N16- B09

This report is for 26 Rock samples submitted to our lab in Kamloops, BC, Canada on 3- AUG- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% < 75 um

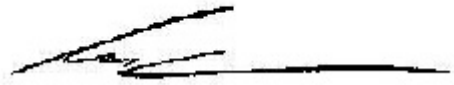
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
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VANCOUVER BC V6B 1L8

Finalized Date: 29- AUG- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16126368

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R607659		2.08	0.88	4.65	105.0	1170	1.30	0.18	5.67	1.02	53.3	7.6	73	8.24	41.8	2.96
R607660		1.92	0.69	4.90	108.5	1280	1.23	0.17	6.13	1.24	55.3	9.3	74	7.60	49.8	3.43
R607661		1.66	0.67	5.13	124.0	1350	1.40	0.19	6.16	1.32	59.1	10.2	80	8.14	52.6	3.57
R607662		1.58	0.80	5.01	73.4	1100	1.42	0.18	6.14	0.96	53.3	8.6	74	7.86	47.9	3.32
R607663		1.52	0.49	4.92	102.5	1140	1.35	0.16	6.44	1.13	56.3	9.8	70	7.28	45.3	3.39
R607664		1.80	0.64	5.15	105.0	1100	1.34	0.19	7.04	1.17	57.0	9.4	74	8.39	49.1	3.52
R607665		1.46	2.13	4.03	176.0	4710	1.09	0.16	2.89	5.46	39.9	4.7	151	9.03	51.7	2.66
R607666		2.10	1.90	4.11	196.0	4390	1.08	0.16	2.92	4.87	40.5	4.6	148	9.17	53.2	2.64
R607667		1.66	1.89	4.35	136.0	4760	1.20	0.17	1.44	5.59	43.1	5.4	157	9.13	51.6	2.79
R607668		1.76	1.24	4.49	213	3460	1.29	0.17	6.28	4.02	46.7	6.6	118	8.26	49.2	2.89
R607669		1.80	1.08	4.14	167.0	2590	1.19	0.15	8.84	3.20	45.4	6.4	101	7.28	42.7	2.66
R607670		1.64	7.87	6.26	181.0	2510	1.82	0.24	2.71	21.3	59.2	5.0	401	25.8	83.6	2.87
R607671		1.80	26.5	3.50	179.0	5300	1.81	0.19	6.72	90.3	29.8	8.6	772	17.10	216	3.04
R607672		1.60	21.9	5.00	242	2810	2.45	0.22	3.91	64.3	39.1	9.3	718	25.5	260	3.81
R607673		2.68	2.08	3.08	129.5	2370	0.84	0.14	1.21	2.87	28.0	3.3	106	10.15	51.9	1.67
R607674		2.98	1.85	3.53	328	2520	1.07	0.15	3.48	4.28	30.3	6.5	103	11.20	77.4	3.28
R607675		2.56	2.67	3.74	191.0	1970	1.07	0.16	0.23	1.65	33.8	2.8	121	14.10	42.9	2.12
R607676		2.28	4.15	4.27	33.8	1400	1.11	0.19	0.22	0.61	39.6	1.4	130	15.65	19.0	0.61
R607677		2.70	4.31	3.68	195.5	1090	0.83	0.15	0.17	1.38	32.1	1.4	119	12.80	24.0	1.67
R607678		3.06	3.51	3.08	332	1640	1.04	0.12	9.65	3.51	29.2	2.5	104	10.65	39.9	2.41
R607679		2.84	1.69	3.50	538	2250	1.44	0.15	4.48	4.37	31.5	4.3	162	11.65	52.0	3.65
R607680		2.68	0.94	3.16	371	1800	1.07	0.14	0.96	2.16	30.6	1.1	129	13.15	33.8	2.92
R607681		2.08	0.90	3.06	275	1650	1.13	0.13	0.50	1.25	29.7	0.7	131	12.10	34.0	2.07
R607682		2.14	1.92	3.76	644	2310	1.49	0.16	0.47	4.47	35.7	2.6	178	14.30	68.8	4.81
R607683		2.58	1.50	3.31	569	3770	1.52	0.13	6.61	6.24	31.5	13.1	158	11.35	93.1	5.64
R607684		2.38	0.58	1.39	147.0	3150	0.69	0.06	21.1	3.63	13.60	4.5	67	3.78	37.1	1.88

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 29- AUG- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16126368

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R607659		12.15	0.14	2.3	0.408	0.048	1.73	29.8	22.0	1.20	357	3.23	0.25	12.3	37.4	730
R607660		12.45	0.14	2.2	0.284	0.047	1.78	30.5	23.8	1.54	459	3.64	0.29	12.6	41.1	830
R607661		13.25	0.15	2.5	0.275	0.051	1.90	32.8	27.8	1.72	512	4.15	0.32	13.7	45.1	940
R607662		13.05	0.14	2.2	0.282	0.050	1.81	29.2	23.3	1.30	401	2.78	0.29	13.1	35.1	710
R607663		12.65	0.17	2.2	0.230	0.049	1.80	31.0	22.9	1.83	529	3.80	0.34	12.8	40.1	910
R607664		13.70	0.15	2.3	0.289	0.050	1.88	31.1	23.9	1.59	414	3.37	0.30	13.3	40.2	780
R607665		10.30	0.14	1.8	0.645	0.038	1.40	29.6	14.8	0.33	130	11.20	0.07	7.3	86.1	2710
R607666		10.30	0.14	1.7	0.764	0.038	1.44	29.9	13.9	0.39	135	10.65	0.05	7.5	86.9	2210
R607667		11.05	0.16	1.8	0.530	0.043	1.48	31.8	15.9	0.32	187	9.92	0.06	7.7	88.8	2390
R607668		11.35	0.15	2.1	0.555	0.044	1.60	31.3	16.9	0.82	305	7.45	0.11	9.2	85.5	1450
R607669		10.40	0.14	1.9	0.485	0.039	1.47	28.6	15.5	0.83	326	6.21	0.14	9.0	65.4	1340
R607670		16.40	0.22	2.9	0.829	0.050	2.47	46.0	14.8	0.40	129	52.8	0.06	12.4	189.5	4170
R607671		9.33	0.25	1.7	1.060	0.046	1.11	38.0	14.3	0.26	124	121.0	0.03	5.3	423	4710
R607672		12.55	0.25	2.1	1.310	0.064	1.55	42.1	13.7	0.29	136	115.5	0.05	7.1	448	5180
R607673		8.74	0.14	1.5	0.965	0.028	0.99	22.6	9.2	0.14	52	9.43	0.03	5.4	47.2	730
R607674		9.19	0.15	1.7	0.927	0.039	1.10	24.9	7.3	0.28	102	18.85	0.03	5.6	117.0	1240
R607675		10.35	0.15	1.7	0.765	0.037	1.26	27.4	7.3	0.16	32	15.05	0.04	6.3	61.6	640
R607676		12.10	0.23	2.0	0.921	0.023	1.48	31.3	7.6	0.19	18	6.87	0.03	7.7	21.9	290
R607677		10.05	0.20	1.7	0.997	0.026	1.28	25.8	9.7	0.15	27	20.4	0.03	6.0	38.3	590
R607678		8.44	0.15	1.5	0.979	0.026	1.12	23.8	7.0	0.28	98	21.6	0.02	5.3	90.4	1360
R607679		9.28	0.15	1.6	1.340	0.047	1.18	24.5	5.9	0.23	130	18.00	0.03	6.0	125.5	2630
R607680		9.11	0.16	1.5	0.601	0.034	1.22	23.0	5.7	0.16	33	15.40	0.03	6.0	39.6	1040
R607681		8.89	0.16	1.6	0.482	0.029	1.12	21.8	5.6	0.15	26	9.99	0.03	6.2	27.2	770
R607682		10.50	0.14	1.8	0.888	0.043	1.35	27.5	6.4	0.17	47	25.1	0.04	6.6	84.8	2090
R607683		8.45	0.13	1.5	0.735	0.044	1.13	27.1	4.6	0.35	443	26.0	0.02	5.6	173.0	2470
R607684		3.48	0.11	0.7	0.404	0.019	0.48	14.5	2.4	0.34	214	6.98	0.02	2.5	65.8	1040

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 29- AUG- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16126368

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R607659		20.9	78.6	0.002	0.11	3.23	9.1	3	1.4	190.0	0.73	0.07	7.18	0.324	0.88	2.7
R607660		20.3	80.2	0.004	0.12	3.11	9.9	4	1.5	187.0	0.73	0.05	6.94	0.356	0.96	2.6
R607661		23.3	84.1	0.004	0.13	3.38	10.5	5	1.6	192.0	0.84	0.06	7.67	0.378	1.01	2.9
R607662		47.7	80.2	0.005	0.13	2.68	10.3	3	1.5	201	0.77	0.07	6.58	0.371	0.81	2.5
R607663		21.1	77.6	0.004	0.13	2.88	9.7	4	1.5	185.0	0.71	0.08	7.27	0.353	0.94	2.7
R607664		19.1	83.6	0.004	0.14	2.95	10.7	4	1.6	206	0.76	0.08	7.38	0.376	0.91	2.7
R607665		21.2	69.6	0.014	0.26	5.56	8.1	11	1.2	325	0.45	0.10	5.22	0.238	2.13	5.6
R607666		26.2	71.0	0.010	0.23	5.77	8.0	9	1.2	297	0.47	0.10	5.27	0.247	2.31	5.0
R607667		19.5	76.5	0.006	0.23	4.92	8.1	10	1.2	257	0.49	0.14	5.56	0.260	1.98	5.1
R607668		27.3	75.7	0.002	0.17	4.60	9.1	6	1.3	267	0.58	0.07	6.03	0.280	1.97	4.4
R607669		20.7	68.2	0.004	0.13	3.79	9.0	5	1.2	255	0.58	0.05	5.69	0.264	1.44	3.9
R607670		25.2	126.5	0.040	0.26	20.9	14.1	24	1.9	559	0.70	0.19	7.58	0.372	7.27	15.4
R607671		19.3	61.8	0.042	0.32	37.5	12.6	45	1.1	822	0.44	0.18	4.51	0.182	6.29	31.1
R607672		18.6	81.8	0.037	0.29	37.1	15.1	46	1.5	812	0.49	0.23	5.87	0.244	8.20	34.6
R607673		19.5	47.0	0.041	0.10	2.89	5.8	5	1.0	227	0.37	0.08	3.80	0.188	3.02	5.1
R607674		19.5	51.3	0.030	0.12	4.05	9.0	6	1.0	367	0.38	0.08	4.02	0.203	1.93	6.3
R607675		35.5	61.4	0.032	0.14	3.56	7.6	6	1.2	209	0.44	0.09	4.71	0.225	2.32	5.7
R607676		93.3	73.6	0.030	0.06	4.17	7.7	2	1.3	146.0	0.51	0.11	5.38	0.266	2.86	5.7
R607677		203	60.0	0.025	0.14	12.25	6.6	5	1.2	220	0.40	0.11	4.54	0.215	2.71	5.5
R607678		122.5	48.8	0.020	0.14	8.37	6.6	6	1.0	660	0.35	0.11	3.84	0.181	2.06	6.2
R607679		49.3	51.6	0.014	0.21	6.33	11.6	10	1.1	714	0.41	0.11	4.36	0.205	2.70	8.6
R607680		18.8	55.0	0.022	0.38	3.57	6.7	9	1.1	332	0.39	0.14	4.28	0.204	2.23	4.6
R607681		15.5	54.1	0.022	0.32	2.44	6.2	7	1.0	213	0.42	0.13	4.23	0.200	1.17	5.3
R607682		52.2	62.6	0.014	0.42	4.78	9.5	14	1.2	549	0.43	0.13	5.15	0.225	1.76	6.8
R607683		23.7	50.7	0.006	0.31	4.18	10.0	10	0.9	785	0.39	0.11	4.22	0.188	1.82	7.2
R607684		9.8	20.1	0.008	0.12	1.54	5.0	6	0.5	919	0.16	<0.05	1.89	0.076	0.66	4.4

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 29- AUG- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16126368

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- AA26 Au ppm 0.01
R607659		242	1.7	18.6	166	87.5	0.01
R607660		239	1.5	19.3	196	84.4	0.02
R607661		244	1.4	21.3	204	92.2	0.01
R607662		254	1.4	18.9	152	89.6	<0.01
R607663		214	1.2	19.4	191	83.4	<0.01
R607664		248	1.4	21.4	183	90.0	0.01
R607665		350	1.5	30.6	357	67.5	0.01
R607666		345	1.6	28.1	343	69.5	0.02
R607667		352	1.4	29.6	354	71.0	0.04
R607668		284	1.5	28.4	332	77.6	0.01
R607669		253	1.2	25.3	276	73.3	<0.01
R607670		1040	1.7	52.6	1040	115.0	0.01
R607671		1440	2.0	81.2	2110	82.3	0.01
R607672		1550	2.2	91.9	2050	97.4	0.01
R607673		186	2.1	17.1	309	55.5	<0.01
R607674		220	2.7	27.6	548	66.7	<0.01
R607675		217	2.5	18.4	244	75.6	<0.01
R607676		213	3.5	16.9	74	79.1	<0.01
R607677		207	4.0	15.7	146	66.9	<0.01
R607678		199	4.4	24.4	343	58.8	<0.01
R607679		273	2.7	30.8	699	66.4	<0.01
R607680		213	1.7	15.0	233	61.9	<0.01
R607681		193	1.6	15.3	125	62.1	<0.01
R607682		292	2.3	30.8	517	76.4	<0.01
R607683		298	1.6	37.6	1180	63.6	<0.01
R607684		118	0.6	29.1	388	28.6	<0.01

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VANCOUVER BC V6B 1L8

Finalized Date: 29- AUG- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16126368

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA26	CRU- 31	CRU- QC	Hg- MS42
LOG- 21	ME- MS61	PUL- 31	PUL- QC
SPL- 21	WEI- 21		

ALS Canada Ltd.

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2016
Account: RCM

CERTIFICATE VA16129497

Project: Nadaleen

P.O. No.: N16- B10

This report is for 115 Rock samples submitted to our lab in Whitehorse, YT, Canada on 8- AUG- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% < 75 um

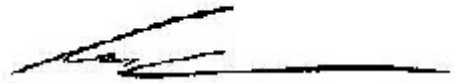
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 7- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16129497

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R607685		1.74	2.52	3.49	1715	2020	3.35	0.12	2.16	6.03	30.6	14.2	166	8.06	136.0	10.30
R607686		2.10	4.91	3.37	1065	1550	2.02	0.14	0.84	3.93	30.8	4.0	147	7.58	98.6	5.49
R607687		3.10	3.08	3.72	1325	3240	2.56	0.14	0.79	5.01	34.8	7.6	181	8.93	127.0	8.05
R607688		1.72	2.37	4.00	1260	4410	3.37	0.14	0.79	5.18	33.9	9.0	185	8.31	152.5	8.99
R607689		0.78	2.21	3.94	1360	3730	3.29	0.14	0.78	5.32	33.8	10.1	199	8.49	159.5	9.73
R607690		2.34	1.52	4.47	1575	3110	4.02	0.15	0.58	5.65	35.5	15.8	229	9.56	205	12.05
R607691		2.12	4.08	4.31	1240	1280	3.50	0.14	0.58	5.08	36.7	8.0	192	9.89	178.0	9.20
R607692		2.32	1.66	3.45	344	1120	1.71	0.13	0.38	1.95	32.0	2.1	145	8.65	80.9	3.17
R607693		1.46	1.05	3.55	177.0	990	1.34	0.14	0.43	1.08	35.5	2.0	125	8.94	102.5	1.80
R607694		2.04	1.51	4.42	251	1470	1.46	0.23	0.71	1.30	47.5	2.4	161	10.40	142.0	2.29
R607695		2.78	2.31	5.09	237	1270	1.44	0.26	0.25	0.85	56.5	1.4	127	10.95	112.5	2.11
R607696		3.08	2.54	4.94	264	1240	1.41	0.25	0.21	0.77	54.7	1.1	126	10.05	95.2	2.22
R607697		1.92	1.89	4.58	312	1320	1.24	0.24	0.23	0.81	50.6	1.3	135	9.23	71.5	2.53
R607698		2.00	1.12	4.14	97.8	800	0.93	0.17	0.30	0.34	40.3	1.0	104	7.86	23.9	1.18
R607699		1.48	1.01	4.36	236	820	0.94	0.18	0.17	0.20	42.8	0.6	109	9.02	29.5	1.37
R607700		2.80	1.37	4.52	530	980	1.09	0.23	0.26	0.36	49.3	0.7	152	10.65	81.2	2.39
R607701		0.50	1.37	3.84	1505	910	2.43	0.16	0.35	9.28	34.6	1.4	168	8.42	334	5.73
R607702		1.08	1.30	6.45	1745	1180	3.61	0.16	0.43	12.65	34.3	6.9	163	8.48	303	5.85
R607703		0.86	2.10	4.09	54.6	5420	1.57	0.19	0.11	1.13	57.8	0.9	102	18.60	39.6	1.26
R607704		0.92	1.81	4.29	44.3	2140	1.81	0.22	0.10	1.34	61.0	0.7	112	21.2	40.4	1.45
R607705		2.10	2.06	4.34	45.4	1860	1.61	0.22	0.11	1.28	62.3	0.7	112	21.4	31.5	1.57
R607706		2.42	2.13	4.28	55.8	1890	1.66	0.23	0.11	1.05	60.9	0.7	111	21.4	26.4	1.61
R607707		1.54	1.61	4.04	66.4	1450	1.41	0.18	0.10	0.46	55.5	0.6	100	18.30	12.1	1.63
R607708		2.40	1.89	4.10	68.8	1450	1.42	0.21	0.11	0.52	59.4	0.6	100	18.80	12.6	1.79
R607709		2.34	2.12	4.34	30.7	1310	1.55	0.22	0.11	0.57	60.5	0.5	102	19.90	8.4	0.87
R607710		2.52	1.61	3.42	21.6	1150	1.18	0.12	0.09	0.62	45.0	0.6	78	16.85	6.2	0.78
R607711		2.16	3.11	4.12	25.1	1290	1.47	0.15	0.10	0.79	55.0	0.5	97	19.80	5.7	0.68
R607712		2.44	3.79	4.23	36.4	1260	1.53	0.16	0.11	0.92	55.3	0.5	101	17.10	8.4	0.73
R607713		2.28	6.87	5.54	161.5	3180	1.71	0.20	0.28	2.47	58.9	0.7	153	23.7	53.0	1.63
R607714		1.78	4.32	3.87	208	3220	1.31	0.16	0.22	3.08	35.4	2.4	91	15.50	44.3	2.00
R607715		2.20	3.43	2.84	310	4830	1.25	0.10	0.10	4.05	25.7	6.2	74	9.70	63.7	3.60
R607716		2.62	4.53	3.04	290	3900	1.19	0.11	0.11	3.42	27.5	5.1	75	10.80	47.7	3.56
R607717		2.04	8.81	4.40	449	3160	1.55	0.20	0.24	3.77	42.5	4.9	247	16.65	65.1	4.29
R607718		2.72	6.38	3.21	527	3260	1.72	0.13	0.24	4.73	30.0	6.9	243	10.80	83.7	4.37
R607719		2.68	6.29	3.62	922	2850	2.46	0.14	0.65	9.76	37.0	10.6	248	11.70	77.5	6.19
R607720		2.78	6.25	3.69	450	2670	1.43	0.16	0.29	5.82	34.7	3.5	229	14.50	51.2	3.60
R607721		3.10	7.41	3.64	448	2810	1.52	0.15	0.28	6.49	32.6	4.9	327	13.45	94.3	4.36
R607722		3.00	4.62	3.36	447	2650	1.48	0.15	0.23	5.15	30.9	8.5	170	10.90	89.9	4.53
R607723		2.84	4.13	3.42	543	2520	1.58	0.15	0.28	5.79	32.1	12.1	134	10.65	94.7	5.52
R607724		2.92	3.67	3.11	593	3310	1.36	0.13	0.24	4.85	29.4	12.1	115	9.82	79.9	5.54

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16129497

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R607685		10.20	0.26	1.2	1.150	0.130	0.98	30.4	5.3	0.15	265	38.2	0.02	4.6	284	5060
R607686		9.66	0.27	1.4	1.550	0.073	1.06	24.6	5.7	0.13	85	21.0	0.02	5.4	93.3	3590
R607687		10.55	0.26	1.6	1.025	0.072	1.13	29.4	5.4	0.14	148	32.1	0.01	5.9	166.5	4350
R607688		9.94	0.25	1.5	1.065	0.081	1.07	29.3	5.7	0.14	138	37.5	<0.01	5.5	209	4380
R607689		10.10	0.26	1.4	0.852	0.084	1.03	29.6	5.3	0.14	140	42.0	0.01	5.2	230	5020
R607690		10.85	0.28	1.5	0.602	0.099	1.16	33.4	6.4	0.16	136	50.7	0.01	5.8	333	5360
R607691		11.70	0.26	1.6	1.915	0.097	1.28	25.3	10.8	0.16	74	35.0	0.02	6.8	172.0	4530
R607692		10.20	0.26	1.7	2.95	0.044	1.17	24.8	9.4	0.18	43	15.40	0.02	6.6	46.8	1570
R607693		10.90	0.22	1.7	1.975	0.032	1.32	25.3	8.9	0.22	47	10.65	0.02	7.3	32.5	860
R607694		13.70	0.24	2.4	2.93	0.046	1.67	32.9	9.5	0.26	68	15.45	0.02	10.0	38.4	1340
R607695		16.00	0.25	2.7	3.30	0.041	1.97	36.9	12.0	0.29	38	12.20	0.02	13.4	23.9	1100
R607696		16.05	0.25	2.7	3.41	0.040	1.90	34.8	12.2	0.27	31	11.60	0.02	12.5	20.6	1070
R607697		15.90	0.26	2.4	3.02	0.046	1.70	33.2	10.8	0.24	33	11.45	0.03	10.7	22.2	1240
R607698		13.45	0.23	2.0	2.21	0.027	1.53	27.2	9.2	0.22	31	5.08	0.02	8.0	16.5	500
R607699		14.15	0.23	2.2	2.03	0.036	1.67	28.6	9.8	0.24	19	6.23	0.03	8.6	15.3	490
R607700		15.25	0.26	2.3	4.46	0.048	1.83	34.9	10.7	0.25	24	13.90	0.03	9.5	23.7	790
R607701		11.95	0.27	1.6	17.10	0.052	1.42	30.3	8.6	0.20	31	17.90	0.03	5.7	43.7	1590
R607702		11.50	0.24	1.6	3.07	0.079	1.40	29.3	14.3	0.20	51	17.40	0.02	5.6	377	1800
R607703		13.95	0.23	2.6	0.356	0.032	1.69	35.5	13.6	0.25	26	12.30	0.02	18.3	23.0	630
R607704		15.30	0.26	2.9	0.523	0.035	1.87	36.9	14.8	0.29	17	8.32	0.03	20.4	15.5	420
R607705		15.10	0.24	2.9	0.549	0.035	1.95	37.8	13.5	0.29	17	9.34	0.03	20.7	15.1	400
R607706		15.25	0.27	3.1	0.603	0.034	1.90	37.7	13.0	0.29	17	10.75	0.03	20.1	15.7	450
R607707		14.15	0.26	2.6	0.530	0.036	1.82	33.5	11.7	0.26	17	9.35	0.03	18.3	14.2	410
R607708		14.85	0.22	2.8	0.688	0.042	1.91	35.8	12.0	0.27	17	9.76	0.03	19.6	14.1	450
R607709		15.15	0.25	2.9	1.025	0.025	1.86	36.8	10.9	0.28	18	8.87	0.03	20.3	11.8	290
R607710		11.90	0.22	2.1	1.160	0.014	1.40	27.1	10.3	0.21	41	7.46	0.02	15.7	9.6	240
R607711		14.20	0.22	2.6	1.615	0.022	1.74	33.4	10.2	0.27	23	11.95	0.02	19.2	11.4	320
R607712		14.85	0.25	2.8	3.11	0.033	1.82	34.1	11.3	0.27	22	16.75	0.02	18.6	12.7	470
R607713		17.85	0.25	2.8	7.41	0.056	2.25	39.3	20.2	0.28	27	27.2	0.03	15.1	45.0	2670
R607714		12.50	0.22	1.8	5.74	0.044	1.50	24.8	19.4	0.17	63	20.7	0.02	7.3	45.4	2060
R607715		9.07	0.21	1.2	2.99	0.038	1.09	17.4	15.2	0.13	64	33.6	0.01	4.6	97.6	1380
R607716		9.59	0.21	1.3	3.11	0.028	1.17	18.3	13.8	0.14	48	33.8	0.01	5.3	90.5	1320
R607717		14.15	0.29	2.0	5.27	0.054	1.75	33.3	15.7	0.20	65	50.5	0.02	8.0	110.0	2570
R607718		9.96	0.25	1.4	4.48	0.050	1.17	28.2	14.4	0.14	97	37.1	0.01	5.6	126.0	2720
R607719		11.25	0.30	1.7	3.46	0.068	1.27	35.9	14.0	0.17	99	34.8	0.01	6.1	215	7400
R607720		11.90	0.24	1.8	3.98	0.053	1.38	30.1	14.2	0.18	66	30.3	0.02	6.5	85.4	3470
R607721		10.40	0.13	1.6	3.54	0.062	1.32	28.6	15.4	0.17	65	41.3	0.03	6.0	160.0	3070
R607722		9.48	0.09	1.4	2.83	0.055	1.20	24.6	14.6	0.14	79	30.9	0.02	5.3	160.0	2480
R607723		10.05	0.09	1.5	2.91	0.055	1.21	25.2	14.1	0.15	101	30.5	0.02	5.4	209	2840
R607724		9.48	0.07	1.3	2.87	0.053	1.08	22.0	14.1	0.12	102	32.7	0.01	4.8	202	3010

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Finalized Date: 7- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16129497

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R607685		244	44.8	0.002	0.22	17.80	19.9	10	0.9	1025	0.31	0.10	4.15	0.146	2.13	16.0
R607686		508	47.5	<0.002	0.21	21.6	12.1	9	0.9	757	0.33	0.07	4.38	0.165	2.12	11.3
R607687		240	51.0	<0.002	0.31	16.65	15.1	11	1.0	930	0.37	0.10	4.88	0.177	2.31	13.8
R607688		136.5	48.7	<0.002	0.32	13.80	20.1	9	1.0	894	0.35	0.08	4.65	0.164	2.08	19.5
R607689		135.0	46.6	<0.002	0.31	13.60	19.6	11	1.0	1160	0.31	0.11	4.57	0.156	2.10	17.8
R607690		60.9	51.6	<0.002	0.42	13.30	25.8	11	1.1	968	0.35	0.10	5.07	0.168	2.57	28.1
R607691		272	53.8	0.003	0.35	25.2	22.5	11	1.1	919	0.41	0.06	5.44	0.176	4.58	21.4
R607692		64.9	57.5	0.011	0.34	15.25	10.9	9	1.1	379	0.40	0.11	4.84	0.196	5.01	11.3
R607693		30.2	62.4	0.021	0.26	9.43	9.5	6	1.2	227	0.45	0.08	4.80	0.203	3.26	8.6
R607694		53.3	77.1	0.025	0.36	12.25	12.4	9	1.7	372	0.62	0.10	6.88	0.268	4.06	11.7
R607695		122.5	87.6	0.016	0.31	18.20	12.8	6	1.8	319	0.78	0.09	8.25	0.315	4.17	9.7
R607696		142.5	84.1	0.015	0.30	18.30	12.8	7	1.8	300	0.74	0.10	8.19	0.310	4.54	9.1
R607697		73.7	80.1	0.014	0.35	13.20	13.3	8	1.6	356	0.64	0.11	7.57	0.298	4.69	9.1
R607698		31.7	72.8	0.010	0.26	10.90	8.5	8	1.3	151.5	0.49	0.07	5.89	0.236	2.84	4.8
R607699		21.9	78.4	0.013	0.35	10.65	9.0	8	1.4	147.5	0.53	0.08	6.61	0.256	4.75	5.5
R607700		25.9	91.4	0.022	0.67	13.80	11.5	12	1.7	253	0.59	0.11	7.78	0.279	12.40	9.8
R607701		25.2	64.5	0.033	0.51	13.35	6.6	16	1.3	346	0.35	0.11	5.35	0.183	14.55	15.6
R607702		84.0	63.1	0.003	0.15	20.8	24.4	8	1.2	270	0.34	0.07	4.90	0.172	2.87	34.3
R607703		16.2	86.3	0.019	0.34	8.58	7.7	6	1.7	206	1.04	0.08	8.63	0.305	3.71	6.5
R607704		16.8	97.4	0.011	0.42	7.55	7.6	5	1.9	169.5	1.16	0.05	8.89	0.324	2.96	6.2
R607705		20.8	97.8	0.009	0.47	8.29	7.5	5	1.9	167.5	1.16	<0.05	9.47	0.330	2.95	6.2
R607706		23.0	96.6	0.012	0.46	9.21	7.5	6	1.8	192.5	1.16	0.06	9.43	0.328	3.13	6.0
R607707		16.2	86.3	0.007	0.47	8.53	7.1	5	1.7	211	1.05	<0.05	8.15	0.292	3.00	5.1
R607708		18.0	91.7	0.009	0.55	7.86	7.4	5	1.9	227	1.10	0.06	9.20	0.315	3.26	5.4
R607709		24.7	88.9	0.011	0.19	6.31	7.7	3	1.7	139.5	1.14	0.06	9.40	0.329	3.82	5.7
R607710		18.3	69.7	0.012	0.12	4.99	5.6	3	1.4	105.0	0.89	0.05	7.20	0.240	2.59	4.5
R607711		36.4	86.8	0.012	0.12	6.19	6.9	3	1.5	151.0	1.09	0.07	8.85	0.308	3.72	5.4
R607712		80.8	89.5	0.012	0.13	8.40	6.7	4	1.6	203	1.06	0.07	8.60	0.304	6.19	5.6
R607713		148.5	115.5	0.015	0.36	16.95	10.2	13	2.0	502	0.91	0.15	9.66	0.349	10.10	10.4
R607714		99.3	72.6	0.010	0.32	15.20	5.6	11	1.6	554	0.47	0.20	5.79	0.214	9.93	6.4
R607715		131.5	50.4	0.042	0.29	18.55	4.9	14	0.9	267	0.28	0.19	3.76	0.140	4.87	6.1
R607716		123.0	54.1	0.058	0.26	17.70	5.0	14	1.0	275	0.32	0.20	3.99	0.153	5.57	6.0
R607717		296	84.1	0.058	0.50	25.5	7.5	24	1.6	767	0.49	0.28	6.67	0.241	11.60	11.0
R607718		265	58.1	0.050	0.36	25.1	7.1	22	1.0	527	0.33	0.14	4.64	0.169	6.52	11.0
R607719		89.7	63.9	0.068	0.36	15.25	13.3	21	1.2	827	0.37	0.16	5.61	0.194	7.02	20.0
R607720		87.5	69.6	0.055	0.42	15.25	8.9	19	1.2	550	0.39	0.14	5.63	0.207	9.06	12.5
R607721		126.5	66.6	0.069	0.42	17.05	9.6	29	1.1	522	0.40	0.15	4.90	0.197	8.45	13.0
R607722		132.5	57.1	0.027	0.30	13.45	8.9	17	1.0	489	0.36	0.14	4.27	0.172	6.32	9.3
R607723		133.0	58.4	0.016	0.30	13.65	9.6	14	1.1	493	0.35	0.15	4.52	0.174	6.34	10.0
R607724		109.5	52.7	0.014	0.29	13.75	8.9	12	1.0	483	0.31	0.15	4.10	0.153	5.41	9.9

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Finalized Date: 7- SEP- 2016
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Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16129497

Sample Description	Method / Analyte / Units / LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- AA26 Au ppm 0.01
R607685		314	2.5	53.1	4510	51.6	<0.01
R607686		276	4.7	38.7	1500	58.5	0.01
R607687		359	3.9	47.0	2230	60.4	0.01
R607688		412	3.1	44.6	2150	56.5	<0.01
R607689		404	3.0	47.2	2360	59.4	0.01
R607690		484	3.1	47.5	2700	60.0	0.01
R607691		400	4.7	44.2	1510	62.7	0.01
R607692		242	3.7	31.3	380	64.4	0.01
R607693		238	3.3	22.3	245	66.2	0.02
R607694		298	5.4	29.5	243	89.6	0.01
R607695		326	7.3	26.7	161	110.5	0.02
R607696		309	7.4	23.9	149	102.5	0.01
R607697		276	6.6	24.2	156	97.0	0.02
R607698		202	3.6	18.4	80	76.7	0.01
R607699		214	3.6	20.6	45	80.4	0.01
R607700		241	4.2	21.8	51	92.4	0.01
R607701		315	2.5	32.2	249	66.3	0.01
R607702		248	2.8	38.8	1560	63.7	0.02
R607703		497	2.0	25.8	114	109.5	<0.01
R607704		538	2.1	26.7	85	121.0	0.01
R607705		542	1.9	25.9	78	124.0	<0.01
R607706		538	2.1	25.7	79	122.0	0.01
R607707		504	1.7	22.2	67	109.5	0.01
R607708		495	2.1	23.4	66	117.5	0.01
R607709		515	4.9	22.8	53	117.5	0.01
R607710		394	6.0	20.1	45	88.5	0.01
R607711		493	8.8	21.6	54	110.5	0.01
R607712		516	9.7	21.5	59	112.5	0.38
R607713		1240	10.3	20.7	131	116.0	0.45
R607714		564	6.7	12.3	228	74.6	1.14
R607715		500	3.6	13.5	702	47.3	0.17
R607716		490	4.2	16.3	757	51.6	0.13
R607717		758	7.0	20.1	745	83.2	0.23
R607718		555	4.6	26.6	803	59.5	0.18
R607719		378	4.5	51.7	1280	72.1	0.16
R607720		404	4.5	23.6	538	71.0	0.26
R607721		488	4.4	26.9	815	67.4	0.21
R607722		388	4.3	26.2	992	57.8	0.24
R607723		369	4.7	31.9	1320	62.3	0.24
R607724		354	4.3	27.4	1180	56.7	0.20

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Finalized Date: 7- SEP- 2016
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Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16129497

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R607725		2.86	3.38	3.19	345	2480	1.17	0.14	0.18	3.00	30.4	7.0	103	10.55	55.3	3.78
R607726		2.74	3.58	3.28	311	2590	1.21	0.15	0.17	2.54	32.7	5.7	105	11.30	47.0	3.21
R607727		2.70	3.52	3.24	331	2760	1.25	0.14	0.17	2.47	32.5	5.7	110	11.95	51.6	3.29
R607728		2.78	3.31	3.30	357	2750	1.07	0.14	0.18	2.11	32.2	5.5	113	12.00	55.4	3.42
R607729		2.50	3.12	3.18	335	2940	1.11	0.14	1.28	2.40	31.1	6.0	112	11.35	57.9	3.26
R607730		2.08	3.21	3.15	296	2880	1.07	0.14	1.68	2.24	31.0	5.3	109	11.00	56.2	3.01
R607731		2.44	3.46	3.32	282	2560	1.14	0.14	1.46	2.40	31.7	5.2	106	10.95	58.8	2.87
R607732		2.44	3.23	3.34	243	2430	1.04	0.14	1.14	2.41	30.7	4.4	103	10.45	56.2	2.57
R607733		2.50	3.57	3.45	279	2300	1.18	0.14	0.97	3.10	32.6	5.0	113	11.45	65.8	2.70
R607734		2.18	3.11	3.24	293	2100	1.08	0.13	0.92	2.78	29.2	4.6	108	10.05	65.0	2.66
R607735		2.26	3.89	3.28	379	2110	1.30	0.14	0.76	2.76	32.5	4.8	141	10.50	68.0	2.78
R607736		2.14	3.95	3.30	388	2310	1.32	0.14	0.80	3.36	31.3	4.2	153	10.45	61.1	2.71
R607737		2.22	4.01	3.24	338	1440	1.24	0.14	0.71	3.08	30.2	3.5	158	10.35	58.5	2.45
R607738		2.44	4.60	3.10	329	1110	1.16	0.13	0.69	2.88	28.1	3.5	177	9.72	67.8	2.40
R607739		2.04	5.38	3.02	329	1110	1.16	0.13	0.78	3.44	27.2	3.6	194	9.66	74.1	2.40
R607740		2.16	5.60	3.04	305	980	1.14	0.12	0.83	4.54	26.1	3.4	212	9.16	81.1	2.38
R607741		2.32	5.94	3.02	258	1020	1.14	0.13	0.61	4.30	29.1	3.4	185	9.49	98.9	2.20
R607742		2.28	5.64	3.04	220	990	1.06	0.12	0.41	4.30	29.7	2.8	167	9.76	113.5	1.94
R607743		2.20	5.49	2.87	242	1060	0.93	0.11	0.45	6.01	26.7	3.4	149	8.55	118.0	2.08
R607744		2.12	5.79	2.95	233	900	0.91	0.10	0.39	6.37	27.1	3.4	145	8.76	132.0	2.03
R607745		2.36	5.87	3.04	224	770	0.93	0.12	0.37	6.63	28.4	3.3	138	9.11	146.0	1.98
R607746		1.46	6.14	4.04	188.0	1510	1.22	0.16	0.26	3.85	39.0	2.6	117	15.55	135.0	1.81
R607747		1.06	5.11	3.31	221	1540	1.05	0.14	0.26	3.92	32.2	2.4	94	11.95	141.0	1.88
R607748		2.02	4.31	2.83	268	1280	0.83	0.11	0.22	3.50	27.0	2.3	85	9.58	123.5	1.84
R607749		2.20	4.52	2.98	335	1200	0.89	0.10	0.20	3.24	29.9	1.7	93	10.55	110.5	1.93
R607750		2.22	4.62	3.09	420	1430	1.00	0.11	0.21	3.19	32.9	1.7	98	11.20	105.5	2.21
R607751		2.30	4.63	3.20	495	1530	1.09	0.12	0.20	3.51	34.7	1.6	106	11.60	100.5	2.36
R607752		2.12	4.33	3.26	508	1730	1.09	0.12	0.18	3.52	35.9	1.5	110	12.00	98.3	2.36
R607753		2.42	4.32	3.30	497	1820	1.08	0.13	0.18	3.38	36.8	1.5	110	12.40	92.9	2.32
R607754		2.12	4.27	3.40	538	1670	1.19	0.12	0.18	3.40	38.9	1.5	113	12.90	93.7	2.43
R607755		2.24	4.10	3.34	514	2840	1.13	0.12	0.18	3.23	38.7	1.4	108	12.65	89.9	2.36
R607756		2.16	4.03	3.44	532	2270	1.11	0.13	0.18	3.38	39.2	1.4	110	12.75	88.5	2.42
R607757		2.22	3.71	3.39	489	3020	1.23	0.12	0.17	3.02	44.1	1.3	104	12.70	84.9	2.26
R607758		2.30	3.67	3.54	477	2710	1.14	0.12	0.16	2.96	47.3	1.3	105	13.55	85.4	2.21
R607759		2.48	3.44	3.49	514	3100	1.17	0.12	0.16	2.95	45.2	1.3	102	12.90	80.4	2.31
R607760		2.40	3.50	3.65	601	3630	1.24	0.13	0.17	3.06	46.8	1.3	105	13.15	83.7	2.47
R607761		2.66	1.89	5.15	157.5	2370	1.30	0.20	0.26	1.25	60.2	4.6	117	15.25	42.8	2.82
R607762		2.20	2.52	4.26	254	2500	1.29	0.17	2.55	3.74	50.0	8.2	201	13.55	60.8	4.52
R607763		2.34	3.01	3.32	110.0	2230	1.06	0.14	7.36	2.52	41.1	6.8	171	8.50	42.5	2.76
R607764		2.38	2.97	4.48	214	2170	1.34	0.18	1.25	3.25	51.3	10.9	224	12.60	66.8	3.75

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16129497

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R607725		9.68	<0.05	1.4	2.54	0.048	1.12	22.1	12.6	0.13	70	22.7	0.02	5.6	121.5	2080
R607726		9.91	0.06	1.5	2.62	0.042	1.18	23.6	13.3	0.14	59	21.6	0.02	6.2	101.5	1880
R607727		10.20	0.08	1.5	2.62	0.046	1.15	23.8	12.8	0.14	60	23.0	0.02	6.3	104.5	1870
R607728		9.86	0.06	1.5	2.39	0.042	1.17	23.9	11.9	0.14	59	22.9	0.03	6.1	113.5	1790
R607729		9.46	0.08	1.4	2.45	0.041	1.11	24.3	11.6	0.23	71	22.1	0.01	5.9	118.0	1770
R607730		9.35	0.07	1.4	2.41	0.041	1.12	23.5	11.6	0.26	72	20.2	0.02	6.0	104.0	1630
R607731		9.96	0.09	1.5	2.17	0.042	1.18	24.6	11.8	0.25	63	19.05	0.02	6.2	102.5	1480
R607732		9.63	0.09	1.4	2.36	0.039	1.19	22.6	11.5	0.22	60	15.95	0.02	6.1	83.5	1390
R607733		10.35	0.07	1.5	2.31	0.043	1.22	24.5	11.9	0.24	73	16.50	0.02	6.6	89.2	1510
R607734		9.18	0.08	1.4	2.36	0.048	1.10	21.8	11.0	0.22	70	14.20	0.02	5.6	82.2	1710
R607735		10.10	0.10	1.5	2.37	0.066	1.13	25.5	12.0	0.19	58	17.90	0.02	5.9	105.0	2660
R607736		10.00	0.08	1.5	2.50	0.060	1.13	25.4	12.6	0.20	56	18.25	0.02	6.0	92.5	2830
R607737		9.59	0.08	1.5	2.72	0.051	1.13	24.3	12.6	0.19	53	18.00	0.02	5.9	81.2	2540
R607738		8.94	0.06	1.4	2.76	0.050	1.08	22.3	12.3	0.18	49	21.0	0.02	5.4	91.9	2450
R607739		8.89	0.10	1.3	2.70	0.050	1.04	22.2	12.6	0.19	56	22.9	0.02	5.2	101.5	2570
R607740		8.39	0.08	1.3	2.73	0.046	1.05	20.3	12.6	0.18	54	22.9	0.02	5.3	96.7	3070
R607741		9.27	0.05	1.4	2.57	0.045	1.09	21.2	14.5	0.16	53	21.1	0.02	6.7	86.0	2530
R607742		9.10	0.06	1.4	2.94	0.043	1.14	20.9	14.9	0.16	43	20.5	0.02	7.3	73.1	2160
R607743		8.44	<0.05	1.3	3.00	0.039	1.05	18.7	14.6	0.15	45	20.7	0.02	6.4	75.5	2040
R607744		8.71	0.05	1.3	3.25	0.039	1.10	18.4	14.9	0.15	45	20.8	0.02	6.7	72.3	1920
R607745		9.27	0.05	1.4	3.53	0.044	1.17	19.0	14.3	0.16	43	18.45	0.02	7.5	65.5	1800
R607746		12.30	0.06	2.0	5.37	0.045	1.59	26.4	16.4	0.20	40	23.9	0.03	9.5	57.7	1860
R607747		10.25	<0.05	1.6	4.56	0.051	1.31	21.4	16.0	0.17	42	18.80	0.02	7.9	49.7	2170
R607748		8.57	<0.05	1.3	3.91	0.046	1.14	17.6	14.4	0.15	39	17.00	0.02	7.0	44.1	1470
R607749		9.20	<0.05	1.4	3.74	0.053	1.22	19.2	13.8	0.16	33	15.95	0.02	8.2	37.1	1400
R607750		9.79	<0.05	1.6	3.48	0.069	1.29	21.1	13.8	0.16	34	17.80	0.02	9.0	38.4	1520
R607751		10.40	<0.05	1.6	3.44	0.073	1.33	22.2	13.9	0.17	34	19.80	0.02	9.5	37.5	1610
R607752		10.75	<0.05	1.6	3.30	0.084	1.34	22.9	14.1	0.17	31	19.80	0.02	10.0	35.8	1480
R607753		10.90	<0.05	1.7	3.24	0.081	1.39	23.9	13.5	0.18	29	19.60	0.02	10.3	35.8	1450
R607754		11.40	<0.05	1.8	3.16	0.083	1.41	24.3	13.9	0.18	32	19.15	0.02	10.8	36.2	1430
R607755		11.15	<0.05	1.7	3.22	0.075	1.41	24.6	13.4	0.19	28	18.85	0.01	10.7	34.2	1380
R607756		11.15	<0.05	1.8	2.98	0.074	1.44	24.5	13.4	0.19	30	18.35	0.02	10.8	34.5	1480
R607757		11.10	0.10	1.8	2.87	0.071	1.43	26.8	13.2	0.19	27	16.70	0.01	10.6	33.0	1360
R607758		11.55	0.11	1.9	3.17	0.066	1.50	28.6	13.1	0.20	27	16.30	<0.01	11.2	31.6	1320
R607759		11.10	0.11	1.8	2.88	0.063	1.48	27.7	13.0	0.19	28	15.85	<0.01	10.8	31.7	1270
R607760		11.45	0.11	2.0	2.77	0.065	1.57	28.4	13.0	0.20	29	15.35	<0.01	11.1	31.8	1380
R607761		14.10	0.11	2.5	0.652	0.046	1.81	38.5	12.0	0.25	58	6.83	0.05	9.9	55.6	940
R607762		11.05	0.15	2.0	1.130	0.038	1.47	42.2	9.8	0.25	100	14.35	0.04	7.8	130.0	1460
R607763		8.57	0.11	1.7	0.483	0.038	1.15	33.7	6.9	0.23	116	9.60	0.02	6.7	103.5	1470
R607764		11.60	0.16	2.1	1.315	0.045	1.57	42.6	9.3	0.26	87	13.05	0.03	8.1	158.5	1690

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	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R607725		99.4	56.5	0.018	0.25	11.70	7.6	10	1.1	381	0.36	0.15	4.40	0.167	5.07	7.2
R607726		95.4	59.7	0.018	0.26	11.10	7.3	10	1.1	412	0.40	0.12	4.60	0.181	5.30	7.0
R607727		98.0	60.1	0.017	0.26	11.25	7.7	11	1.1	402	0.39	0.14	4.73	0.179	4.91	7.0
R607728		91.9	59.1	0.014	0.26	10.40	7.9	9	1.1	379	0.40	0.12	4.54	0.181	4.42	6.6
R607729		84.2	57.8	0.015	0.34	9.58	7.9	10	1.0	419	0.37	0.13	4.42	0.173	4.35	6.4
R607730		94.1	57.2	0.016	0.34	10.20	7.6	10	1.0	427	0.39	0.10	4.35	0.173	4.27	6.2
R607731		105.0	60.0	0.015	0.35	11.15	8.1	10	1.1	379	0.39	0.11	4.51	0.182	4.16	6.1
R607732		96.8	57.3	0.016	0.46	10.25	7.7	9	1.1	337	0.39	0.10	4.37	0.185	4.01	5.6
R607733		106.5	62.2	0.016	0.62	10.40	9.4	13	1.1	313	0.42	0.12	4.62	0.189	4.68	6.2
R607734		85.8	55.7	0.018	0.69	9.51	9.8	12	1.0	325	0.36	0.11	4.16	0.172	4.20	6.4
R607735		82.8	59.1	0.024	0.61	10.45	11.8	16	1.1	508	0.38	0.13	4.40	0.173	5.04	9.8
R607736		78.8	58.7	0.024	0.58	9.88	10.7	18	1.1	483	0.39	0.12	4.28	0.175	5.56	9.8
R607737		70.3	58.2	0.030	0.53	9.41	9.6	18	1.1	451	0.38	0.10	4.34	0.178	5.76	9.4
R607738		70.1	55.5	0.051	0.58	10.35	9.0	20	1.0	414	0.35	0.12	4.10	0.169	5.68	9.8
R607739		72.3	54.8	0.068	0.60	11.25	8.9	24	1.0	403	0.33	0.13	3.94	0.162	5.63	10.5
R607740		62.6	50.9	0.069	0.74	11.35	8.1	23	0.9	404	0.34	0.12	3.76	0.163	5.41	10.4
R607741		66.1	54.7	0.064	0.91	12.15	7.8	20	1.0	342	0.44	0.12	4.12	0.167	5.16	9.6
R607742		69.0	55.8	0.062	0.88	11.85	7.1	18	1.0	319	0.46	0.10	4.14	0.171	5.22	8.5
R607743		104.5	50.6	0.053	1.04	11.75	6.4	17	1.0	309	0.40	0.10	3.78	0.158	5.70	8.3
R607744		123.0	52.0	0.049	1.07	12.00	6.3	17	1.0	306	0.42	0.12	3.76	0.162	5.53	8.6
R607745		132.0	54.7	0.044	1.09	11.75	6.7	16	1.1	288	0.48	0.09	4.01	0.170	5.19	8.3
R607746		170.0	78.5	0.026	0.52	12.45	7.0	11	1.6	473	0.63	0.12	5.57	0.239	8.83	9.7
R607747		133.0	63.6	0.024	0.57	11.20	7.0	11	1.3	376	0.50	0.12	4.51	0.193	7.13	8.3
R607748		119.0	51.7	0.018	0.54	10.35	5.4	9	1.0	287	0.44	0.10	3.90	0.167	5.76	6.7
R607749		125.5	55.9	0.018	0.51	10.15	6.2	9	1.1	277	0.51	0.09	4.15	0.179	5.62	7.2
R607750		137.0	59.6	0.015	0.53	11.50	7.1	9	1.2	294	0.58	0.11	4.50	0.187	6.07	8.1
R607751		128.0	62.0	0.017	0.53	12.80	7.7	9	1.2	308	0.58	0.11	4.69	0.196	6.13	9.0
R607752		126.5	64.0	0.019	0.50	12.90	8.0	9	1.3	301	0.62	0.08	5.00	0.198	6.00	10.0
R607753		120.0	66.4	0.015	0.48	12.55	8.2	9	1.3	301	0.63	0.12	5.05	0.206	5.95	10.2
R607754		112.5	68.3	0.017	0.46	13.00	8.4	8	1.3	291	0.68	0.13	5.36	0.211	5.69	10.5
R607755		106.5	68.1	0.016	0.48	12.45	8.1	9	1.2	286	0.64	0.09	5.17	0.204	5.55	10.1
R607756		102.5	69.2	0.016	0.47	12.30	8.0	9	1.3	296	0.67	0.10	5.32	0.220	5.42	9.9
R607757		98.9	73.8	0.014	0.44	11.60	7.9	7	1.3	277	0.60	0.10	6.32	0.212	5.33	10.6
R607758		94.9	75.6	0.014	0.42	11.65	7.6	7	1.3	283	0.63	0.10	6.62	0.226	5.23	10.5
R607759		87.7	74.4	0.013	0.43	11.05	7.2	7	1.3	279	0.61	0.07	6.33	0.219	5.21	10.1
R607760		87.7	76.5	0.015	0.44	10.95	7.5	7	1.3	278	0.63	0.08	6.74	0.229	5.19	10.5
R607761		74.7	101.5	0.009	0.20	8.67	10.3	4	1.6	209	0.59	0.13	8.55	0.307	1.04	5.4
R607762		108.0	80.2	0.008	0.10	8.63	8.9	14	1.3	313	0.46	0.12	7.41	0.248	1.25	7.7
R607763		21.1	61.6	0.025	0.17	3.72	7.2	15	1.0	501	0.41	0.09	6.07	0.192	2.29	6.1
R607764		55.5	83.6	0.011	0.09	6.69	10.4	13	1.3	335	0.49	0.07	7.82	0.262	2.21	8.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16129497

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- AA26 Au ppm 0.01
R607725		320	4.2	20.3	710	58.0	0.21
R607726		328	4.4	20.9	587	61.9	0.25
R607727		306	4.3	20.5	563	62.7	0.25
R607728		295	4.0	19.7	568	61.1	0.23
R607729		302	3.6	21.7	611	58.9	0.17
R607730		308	3.9	21.2	563	58.2	0.23
R607731		281	3.6	21.4	547	60.9	0.19
R607732		283	3.6	19.0	508	57.9	0.21
R607733		295	3.5	21.2	564	61.9	0.22
R607734		265	3.0	21.0	532	56.1	0.22
R607735		276	3.3	28.9	563	60.1	0.20
R607736		291	3.2	27.6	505	60.8	0.20
R607737		297	3.3	24.3	432	60.8	0.20
R607738		330	2.9	24.8	416	56.3	0.20
R607739		367	2.8	27.7	447	56.4	0.19
R607740		397	2.7	27.8	450	52.7	0.19
R607741		394	3.4	26.2	432	58.2	0.17
R607742		423	3.8	23.5	389	59.0	0.18
R607743		388	3.7	20.5	538	52.2	0.18
R607744		408	3.9	19.7	573	54.3	0.18
R607745		416	4.4	18.5	638	57.4	0.17
R607746		551	6.9	15.6	333	76.9	0.40
R607747		450	5.5	12.9	330	63.8	0.37
R607748		394	4.7	12.0	355	53.0	0.30
R607749		420	5.5	12.4	312	58.5	0.27
R607750		429	6.4	13.9	304	63.5	0.24
R607751		451	6.4	14.5	298	65.8	0.25
R607752		470	6.3	15.4	287	69.4	0.24
R607753		470	6.3	15.7	273	70.1	0.21
R607754		469	6.4	16.5	275	73.4	0.20
R607755		449	5.9	16.4	259	71.9	0.20
R607756		451	6.2	16.2	275	71.3	0.21
R607757		434	6.0	15.8	242	69.8	0.21
R607758		447	6.3	16.2	242	72.5	0.21
R607759		430	6.0	15.3	227	70.4	0.20
R607760		439	6.1	16.1	219	84.2	0.19
R607761		276	2.5	25.8	347	86.8	0.01
R607762		283	2.1	33.8	774	70.1	<0.01
R607763		221	1.2	32.6	393	63.4	<0.01
R607764		287	2.2	35.2	804	73.5	<0.01

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VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16129497

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R607765		2.46	4.41	3.87	697	7030	1.33	0.14	0.62	6.40	45.2	11.7	196	11.35	75.8	4.79
R607766		2.16	3.60	4.04	1080	7010	1.05	0.14	0.44	7.63	46.8	8.1	209	18.50	64.5	4.51
R607767		2.92	4.22	3.48	611	3720	1.05	0.13	0.40	4.80	44.6	6.7	186	14.10	63.3	3.54
R607768		2.86	4.32	3.75	676	3280	1.13	0.14	0.53	5.11	45.7	6.7	205	15.40	74.9	4.15
R607769		2.52	5.37	4.09	561	2160	1.31	0.15	0.48	4.46	49.1	5.1	228	15.30	81.3	3.75
R607770		2.28	4.09	4.07	997	6740	1.40	0.14	0.46	5.58	47.6	6.8	202	13.85	103.5	4.73
R607771		2.48	3.93	4.18	549	5220	1.42	0.15	0.46	4.07	49.2	9.0	195	12.95	81.6	4.11
R607772		2.22	4.30	4.27	417	3590	1.27	0.15	0.60	3.70	50.2	9.0	201	13.30	72.1	3.72
R607773		2.48	4.24	4.37	394	3740	1.31	0.15	0.43	3.22	51.6	5.9	187	15.05	67.2	2.97
R607774		2.54	5.03	4.37	370	2720	1.21	0.15	0.45	3.13	51.6	4.8	186	16.00	68.2	2.60
R607775		2.70	5.01	4.21	398	3290	1.04	0.15	0.47	3.22	50.0	4.9	174	15.00	57.3	2.64
R607776		2.32	5.31	3.97	276	2620	1.08	0.13	0.53	2.44	48.4	4.5	158	13.60	46.3	2.12
R607777		2.24	5.69	3.87	1435	5280	1.14	0.13	0.37	10.70	46.3	4.1	158	13.55	56.6	4.13
R607778		2.36	6.43	3.83	3820	3590	1.61	0.12	0.43	32.9	41.6	4.8	186	14.60	83.4	8.39
R607779		2.52	5.70	3.84	2700	3540	1.46	0.12	0.40	23.4	44.0	5.5	183	13.85	83.0	6.85
R607780		2.58	5.46	3.68	3600	4200	1.61	0.12	0.32	30.1	43.0	5.3	178	12.75	100.5	9.23
R607781		2.46	5.05	3.87	2800	6150	1.96	0.13	0.33	23.3	42.4	5.1	167	12.85	96.5	8.11
R607782		2.38	5.27	4.20	1475	5160	1.62	0.14	0.34	11.30	48.3	5.2	178	15.10	80.9	5.25
R607783		2.58	5.58	3.98	1345	4340	1.61	0.13	0.39	9.89	46.2	5.1	167	13.70	82.7	5.28
R607784		1.88	5.17	3.57	859	5240	1.18	0.12	0.35	6.21	42.1	4.4	144	11.65	64.6	3.51
R607785		2.44	3.36	2.76	466	5750	1.11	0.09	13.30	16.00	32.1	5.7	106	9.02	50.7	2.62
R607786		2.50	2.53	2.01	348	2690	0.81	0.06	19.35	15.45	24.3	5.2	77	6.67	36.6	2.20
R607787		2.36	2.71	2.24	349	3100	0.99	0.08	18.85	11.90	26.7	5.8	87	7.55	38.5	2.13
R607788		2.82	2.00	1.58	341	2110	0.64	0.06	24.3	9.66	19.30	4.6	64	5.34	29.2	1.66
R607789		2.88	1.84	1.53	367	2610	0.67	0.06	24.1	8.21	18.55	3.5	60	5.21	29.0	1.56
R607790		2.24	1.81	1.61	352	2840	0.75	0.06	24.4	8.27	18.70	3.4	58	5.38	35.9	1.48
R607791		2.70	1.49	1.30	291	2090	0.69	0.04	27.8	7.58	14.95	2.9	45	4.19	34.0	1.19
R607792		2.44	1.33	1.16	267	1830	0.64	0.05	28.6	6.99	13.85	2.5	40	3.97	27.9	1.06
R607793		2.68	1.97	1.79	311	2560	0.78	0.07	22.0	7.67	18.35	4.5	72	5.69	35.5	1.69
R607794		2.50	1.98	1.58	297	3520	0.79	0.07	24.3	8.96	16.60	3.8	60	5.21	29.0	1.46
R607795		2.64	1.59	1.15	244	2820	0.56	0.05	27.9	7.97	12.70	2.4	42	3.89	22.6	1.03
R607796		2.40	1.35	1.08	218	2010	0.56	0.05	27.9	6.15	11.95	2.0	40	3.54	21.8	0.93
R607797		2.70	1.38	1.16	232	2450	0.57	0.05	27.5	7.13	12.65	2.4	44	3.86	23.4	1.01
R607798		2.54	1.32	1.06	217	2140	0.49	0.04	27.2	6.94	11.50	2.2	40	3.54	21.7	0.92
R607799		3.00	1.25	0.97	213	1830	0.49	0.04	28.6	8.22	10.80	2.3	37	3.29	20.3	0.88

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
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Finalized Date: 7- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16129497

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R607765		9.92	0.12	1.6	1.515	0.037	1.27	38.1	10.0	0.18	81	15.05	<0.01	6.3	220	1590
R607766		11.65	0.12	1.8	1.295	0.036	1.33	39.2	9.7	0.21	74	20.2	<0.01	6.6	144.5	1220
R607767		9.59	0.11	1.6	1.570	0.029	1.21	37.4	8.2	0.19	62	14.50	<0.01	6.5	117.0	980
R607768		10.05	0.12	1.8	1.405	0.038	1.29	39.8	8.7	0.20	62	13.15	<0.01	6.7	123.0	1250
R607769		10.95	0.11	1.8	1.120	0.049	1.41	43.2	9.5	0.22	51	11.05	0.03	7.1	97.4	1110
R607770		10.75	0.13	1.7	1.035	0.054	1.35	38.9	9.1	0.21	59	13.15	<0.01	6.7	135.0	1620
R607771		11.00	0.13	1.8	1.105	0.049	1.42	41.0	9.1	0.22	66	12.60	0.01	7.0	157.5	1480
R607772		11.20	0.13	1.8	1.195	0.043	1.47	42.5	9.2	0.23	66	12.40	0.01	7.6	151.5	1480
R607773		11.60	0.12	1.9	1.450	0.045	1.49	41.5	9.7	0.23	47	9.25	0.02	7.6	113.5	1200
R607774		12.10	0.13	2.0	2.49	0.037	1.51	42.1	10.0	0.23	44	8.48	0.03	7.8	93.3	1130
R607775		11.75	0.12	2.0	3.99	0.039	1.48	41.6	9.6	0.22	48	8.42	0.01	7.7	95.5	1180
R607776		11.20	0.11	1.9	4.33	0.031	1.41	39.8	9.0	0.21	42	7.39	0.01	7.1	83.7	1100
R607777		10.95	0.11	1.8	5.12	0.041	1.31	37.1	9.2	0.19	47	9.04	<0.01	6.5	87.6	1220
R607778		10.65	0.13	1.5	7.05	0.059	1.23	33.3	10.2	0.17	73	14.00	<0.01	5.2	111.0	1500
R607779		10.90	0.12	1.6	4.64	0.049	1.25	35.4	9.7	0.18	62	15.95	<0.01	5.6	128.0	1490
R607780		11.25	0.12	1.5	3.64	0.060	1.15	34.9	9.9	0.17	69	18.80	<0.01	5.2	167.0	1530
R607781		10.55	0.10	1.5	2.42	0.050	1.19	34.8	11.6	0.18	75	16.25	<0.01	5.4	173.0	1450
R607782		11.05	0.11	1.8	1.865	0.048	1.39	39.8	10.5	0.21	67	12.20	<0.01	6.7	131.0	1210
R607783		10.95	0.10	1.8	1.840	0.048	1.32	37.7	9.8	0.20	74	12.20	<0.01	6.4	126.0	1110
R607784		9.58	0.12	1.5	1.730	0.043	1.15	33.7	9.5	0.18	54	7.91	<0.01	6.0	95.9	950
R607785		7.22	0.07	1.2	1.565	0.028	0.89	26.1	7.6	0.19	74	7.39	<0.01	4.8	114.0	770
R607786		5.57	0.07	1.0	1.155	0.017	0.70	19.3	5.7	0.21	77	6.82	0.02	3.6	99.2	620
R607787		6.32	0.07	1.0	1.140	0.020	0.79	21.1	6.4	0.22	92	6.37	<0.01	4.0	95.7	660
R607788		4.56	0.07	0.7	1.050	0.016	0.55	15.5	4.5	0.21	70	4.90	0.01	2.9	67.7	460
R607789		4.43	0.06	0.7	1.035	0.013	0.53	14.9	4.4	0.20	56	4.54	0.01	2.8	57.6	440
R607790		4.47	0.07	0.7	0.967	0.016	0.53	14.9	4.5	0.20	52	4.29	<0.01	2.8	70.1	430
R607791		3.48	0.05	0.5	0.775	0.011	0.42	11.8	3.8	0.22	54	4.15	0.01	2.2	61.5	340
R607792		3.22	0.05	0.5	0.717	0.010	0.39	10.9	3.6	0.22	65	3.47	0.01	2.0	51.7	300
R607793		4.85	0.07	0.8	0.882	0.016	0.62	15.0	4.5	0.20	94	5.86	0.02	3.2	90.9	520
R607794		4.34	0.07	0.7	0.811	0.016	0.55	13.7	4.2	0.20	101	4.81	<0.01	2.8	73.2	460
R607795		3.29	0.08	0.5	0.704	0.013	0.40	10.5	3.3	0.19	117	3.21	<0.01	2.1	47.0	330
R607796		3.08	0.06	0.5	0.767	0.010	0.37	9.8	3.0	0.18	98	3.00	0.01	2.0	40.3	290
R607797		3.24	0.06	0.5	0.772	0.014	0.40	10.5	3.2	0.19	89	3.18	0.01	2.1	47.6	320
R607798		2.89	0.06	0.5	0.739	0.011	0.37	9.5	2.9	0.18	96	2.82	0.01	1.9	44.9	290
R607799		2.74	0.06	0.5	0.673	0.011	0.34	8.8	2.7	0.19	82	2.79	0.01	1.8	43.7	260

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CERTIFICATE OF ANALYSIS VA16129497

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R607765		205	65.9	0.003	0.22	18.45	8.6	8	1.1	330	0.38	0.10	6.43	0.199	1.77	7.7
R607766		149.0	69.8	0.003	0.25	15.55	6.8	8	1.1	291	0.38	0.09	6.55	0.211	1.86	6.5
R607767		147.0	63.2	0.003	0.18	14.45	6.4	8	1.0	222	0.38	0.10	5.93	0.191	1.40	5.9
R607768		132.0	68.6	<0.002	0.18	16.95	8.4	7	1.1	252	0.40	0.09	6.41	0.206	1.69	6.2
R607769		182.5	76.6	<0.002	0.14	16.75	10.0	9	1.2	227	0.42	0.09	6.87	0.224	1.64	6.0
R607770		153.0	73.3	0.002	0.25	27.9	11.9	13	1.1	403	0.39	0.09	6.52	0.213	2.89	6.4
R607771		167.5	75.7	0.003	0.19	20.8	11.3	14	1.1	307	0.42	0.14	6.86	0.222	1.76	7.2
R607772		177.0	78.7	0.003	0.14	17.45	10.4	11	1.2	257	0.45	0.10	7.07	0.234	1.61	7.3
R607773		161.5	82.2	0.002	0.15	15.75	9.0	9	1.2	297	0.45	0.08	7.03	0.236	1.97	6.6
R607774		274	83.2	0.003	0.16	16.00	8.0	11	1.3	346	0.47	0.07	7.16	0.244	3.18	6.4
R607775		463	77.6	<0.002	0.19	18.55	7.3	9	1.2	354	0.46	0.06	6.83	0.239	2.97	6.6
R607776		500	74.7	0.003	0.16	15.95	7.2	8	1.2	338	0.44	0.08	6.69	0.223	2.23	6.1
R607777		440	68.6	<0.002	0.25	28.8	6.6	11	1.1	465	0.37	0.09	6.26	0.210	2.36	5.7
R607778		384	62.9	0.002	0.30	37.2	7.2	14	1.0	601	0.30	0.08	5.51	0.170	3.72	7.4
R607779		403	66.5	0.004	0.23	32.1	7.6	12	1.0	593	0.34	0.10	5.92	0.179	2.91	6.7
R607780		557	60.7	0.002	0.24	36.2	7.8	11	1.0	600	0.31	0.11	5.68	0.171	2.59	6.9
R607781		519	62.6	<0.002	0.27	27.4	7.7	8	1.0	490	0.32	0.08	5.95	0.174	2.19	7.9
R607782		364	75.0	<0.002	0.19	18.10	8.4	7	1.2	310	0.39	0.09	6.60	0.219	1.92	6.9
R607783		325	71.0	<0.002	0.18	19.05	8.4	7	1.1	282	0.39	0.07	6.34	0.203	1.93	6.4
R607784		300	61.3	<0.002	0.18	13.15	7.2	5	1.0	296	0.37	0.09	5.65	0.188	1.56	5.5
R607785		191.5	48.5	<0.002	0.18	9.26	5.8	5	0.8	289	0.29	0.05	4.13	0.142	1.12	5.3
R607786		148.5	37.5	<0.002	0.09	7.75	5.1	5	0.6	286	0.22	0.07	3.37	0.108	0.87	4.6
R607787		144.0	42.2	<0.002	0.10	8.06	5.6	5	0.7	299	0.24	0.06	3.77	0.119	0.98	5.3
R607788		123.0	30.4	0.002	0.08	6.37	4.0	4	0.5	285	0.16	<0.05	2.70	0.084	0.74	4.0
R607789		122.0	29.4	0.002	0.09	6.62	3.7	3	0.5	293	0.17	<0.05	2.58	0.082	0.79	3.5
R607790		112.0	29.6	<0.002	0.09	6.11	4.3	4	0.5	300	0.16	<0.05	2.65	0.082	0.79	4.1
R607791		85.4	23.3	<0.002	0.07	4.52	3.5	3	0.4	298	0.13	<0.05	2.02	0.065	0.57	3.8
R607792		77.2	21.5	<0.002	0.06	4.27	3.3	3	0.4	294	0.11	<0.05	1.90	0.060	0.53	4.2
R607793		118.5	30.6	0.002	0.08	6.18	4.9	4	0.6	257	0.21	0.05	2.73	0.095	0.73	5.3
R607794		108.5	27.7	0.002	0.11	5.68	4.5	3	0.5	264	0.18	<0.05	2.40	0.084	0.66	4.9
R607795		87.0	20.5	<0.002	0.08	4.09	4.0	2	0.4	243	0.13	<0.05	1.76	0.062	0.52	4.3
R607796		79.3	19.0	0.002	0.06	3.83	4.2	3	0.4	237	0.13	<0.05	1.61	0.057	0.47	4.1
R607797		84.7	20.5	<0.002	0.07	4.03	4.3	3	0.4	251	0.14	<0.05	1.80	0.063	0.49	4.3
R607798		75.7	18.6	<0.002	0.07	3.68	4.3	2	0.3	243	0.13	<0.05	1.55	0.057	0.45	3.6
R607799		75.1	17.3	<0.002	0.05	3.38	3.7	2	0.3	240	0.11	<0.05	1.48	0.054	0.45	3.3

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 7- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16129497

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- AA26 Au ppm 0.01
R607765		265	2.6	46.8	1330	61.0	<0.01
R607766		277	2.4	31.3	849	64.9	<0.01
R607767		259	1.9	28.7	744	62.3	<0.01
R607768		270	2.0	33.8	842	65.0	<0.01
R607769		280	2.1	32.8	669	67.0	<0.01
R607770		275	1.9	34.7	868	64.4	<0.01
R607771		270	2.3	38.1	997	67.1	<0.01
R607772		270	2.3	37.1	1020	70.0	<0.01
R607773		255	2.2	28.3	680	69.8	<0.01
R607774		259	2.6	25.2	558	69.2	<0.01
R607775		255	2.9	26.2	586	72.3	<0.01
R607776		239	2.8	24.7	541	67.6	<0.01
R607777		257	2.8	27.5	651	64.3	<0.01
R607778		332	2.5	38.1	1220	56.2	<0.01
R607779		313	2.6	36.1	935	57.3	<0.01
R607780		304	2.8	33.0	1140	55.7	<0.01
R607781		275	3.1	31.0	1400	56.4	0.01
R607782		266	3.2	31.5	1100	64.3	<0.01
R607783		258	3.3	29.6	1080	63.7	<0.01
R607784		220	2.8	25.9	750	56.7	<0.01
R607785		162	1.9	30.6	901	52.8	<0.01
R607786		126	1.4	24.2	804	33.8	<0.01
R607787		137	1.5	24.3	701	37.5	<0.01
R607788		98	1.1	17.4	486	26.7	<0.01
R607789		93	1.1	16.7	412	26.1	<0.01
R607790		92	1.1	20.5	422	27.0	<0.01
R607791		74	0.8	20.8	373	21.3	<0.01
R607792		68	0.8	17.5	315	19.8	<0.01
R607793		107	1.1	22.2	539	29.9	<0.01
R607794		98	1.1	20.7	451	27.9	<0.01
R607795		76	0.9	18.8	303	21.1	<0.01
R607796		72	0.9	17.7	263	19.6	<0.01
R607797		76	0.9	18.7	297	21.8	<0.01
R607798		71	0.8	17.5	266	19.5	<0.01
R607799		63	0.7	15.7	265	17.4	<0.01

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Nadaleen

Finalized Date: 7- SEP- 2016
Account: RCM

CERTIFICATE OF ANALYSIS VA16129497

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA26	CRU- 31	Hg- MS42	LOG- 21
ME- MS61	PUL- 31	PUL- QC	SPL- 21
WEI- 21			

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 1- SEP- 2016
Account: RCM

CERTIFICATE VA16130289

Project: Nadaleen

P.O. No.: N16- B11

This report is for 104 Rock samples submitted to our lab in Whitehorse, YT, Canada on 9- AUG- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% < 75 um

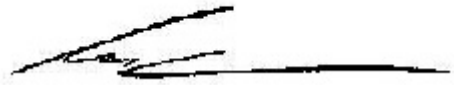
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 1- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16130289

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R607800		1.06	3.56	2.94	528	6850	0.98	0.10	11.40	8.07	29.2	4.9	118	9.10	50.9	2.52
R607801		2.36	3.72	3.99	288	1610	1.31	0.15	2.12	3.18	34.3	7.0	103	6.66	81.4	3.42
R607802		2.44	4.05	5.66	301	1500	1.88	0.19	0.19	2.51	50.6	4.6	125	11.95	112.5	3.57
R607803		2.78	4.95	5.25	156.5	1150	1.70	0.18	0.34	1.88	49.2	5.6	117	12.45	89.6	2.74
R607804		2.74	3.28	3.34	128.5	3270	1.30	0.11	6.98	4.21	31.6	6.7	126	7.70	104.0	2.66
R607805		1.98	1.50	4.16	155.0	2370	1.51	0.13	4.85	4.51	39.4	6.6	162	12.35	94.3	3.04
R607806		2.22	3.46	3.87	168.0	1450	1.58	0.13	4.47	5.66	38.5	6.9	161	10.75	126.0	3.14
R607807		2.34	2.10	3.84	183.5	2640	1.47	0.13	5.19	5.06	37.1	6.7	170	11.05	127.0	2.89
R607808		2.04	2.19	4.35	114.5	3130	1.56	0.15	4.99	4.23	42.1	8.3	197	13.80	78.1	2.88
R607809		1.98	1.25	2.52	73.2	2010	0.84	0.09	15.75	2.48	25.7	5.0	122	7.40	38.5	2.20
R607810		2.04	0.90	3.03	115.5	2800	1.01	0.10	9.24	2.44	30.7	5.6	125	9.79	40.1	2.23
R607811		1.96	1.31	3.41	97.9	2400	1.04	0.10	5.79	2.52	31.7	6.0	138	9.86	42.7	2.41
R607812		2.28	2.05	2.64	123.5	3500	0.87	0.08	11.75	2.97	26.4	5.3	125	6.29	38.6	2.28
R607813		2.00	1.71	2.91	153.5	3330	1.14	0.10	11.10	2.38	28.8	5.6	155	8.54	52.3	2.49
R607814		2.42	2.80	3.79	149.5	3120	1.23	0.13	5.79	3.16	37.8	7.1	225	10.65	59.4	3.07
R607815		2.62	2.18	4.30	134.5	620	1.45	0.16	3.35	2.03	41.8	9.0	229	13.30	56.8	3.24
R607816		2.26	0.98	3.52	116.0	510	1.13	0.12	8.32	1.55	33.5	6.0	152	10.90	44.3	2.58
R607817		2.46	0.84	3.96	111.5	1130	1.16	0.13	5.70	1.24	37.6	5.1	166	11.95	49.2	2.83
R607818		2.72	1.64	4.13	75.7	400	1.31	0.16	5.23	1.27	37.6	6.1	206	14.45	61.2	3.04
R607819		2.48	0.91	3.11	44.0	220	1.05	0.13	10.80	0.91	28.7	4.2	136	11.05	38.6	2.30
R607820		2.20	0.72	3.34	142.0	3290	1.24	0.13	9.81	1.70	31.6	6.0	122	11.00	57.2	2.74
R607821		2.34	0.61	2.24	189.0	4860	0.87	0.09	17.15	3.38	21.3	4.9	75	6.21	48.9	2.17
R607822		2.52	0.63	1.48	181.5	5950	0.56	0.07	16.45	5.07	15.10	4.9	53	3.76	31.4	1.68
R607823		2.00	0.44	0.89	66.7	1690	0.48	0.04	24.6	1.57	11.60	2.8	39	2.00	18.1	1.04
R607824		2.68	0.54	0.93	61.2	4180	0.45	0.04	21.4	1.86	12.55	2.9	39	2.03	16.4	1.00
R607825		2.44	1.28	2.83	269	3930	0.90	0.13	10.00	2.32	30.0	5.3	137	9.98	37.5	3.02
R607826		2.12	1.38	2.95	312	4970	1.07	0.13	8.92	2.96	29.6	8.5	123	8.21	51.0	3.29
R607827		2.12	1.95	3.08	288	5430	1.13	0.15	5.55	2.87	30.9	9.9	136	8.37	55.8	3.40
R607828		2.44	1.94	3.30	277	4900	1.10	0.14	4.15	3.19	34.0	11.2	164	9.19	52.3	3.45
R607829		2.12	2.04	3.56	337	4410	1.30	0.15	2.27	3.47	35.6	11.5	193	9.97	75.6	3.93
R607830		2.18	2.55	3.56	345	4630	1.29	0.15	2.03	3.38	34.9	10.4	190	9.54	81.1	3.87
R607831		1.94	2.45	3.64	242	4660	1.01	0.15	2.00	3.12	38.0	7.1	188	10.80	42.4	2.66
R607832		2.34	1.50	3.93	210	4690	1.05	0.16	1.12	2.61	40.4	4.7	174	12.25	33.8	2.18
R607833		2.38	1.00	3.90	279	3880	1.33	0.15	0.76	2.62	39.1	5.9	163	11.95	56.7	3.40
R607834		2.26	2.21	3.90	425	3830	2.31	0.15	0.60	3.46	38.7	10.8	190	12.10	155.0	5.79
R607835		2.30	2.45	3.93	442	4310	2.19	0.16	0.60	3.49	38.4	10.7	182	11.70	153.0	6.06
R607836		2.36	1.72	3.97	417	4640	1.85	0.15	0.61	2.82	37.8	8.9	164	11.95	120.5	5.64
R607837		2.10	1.36	4.15	320	4560	1.75	0.17	0.38	1.96	39.6	8.3	155	12.25	105.5	4.44
R607838		2.24	1.32	4.11	275	4500	1.59	0.17	1.03	1.64	40.2	8.5	149	12.50	92.2	3.91
R607839		2.38	1.20	3.85	294	1620	1.45	0.14	3.14	2.01	36.6	10.6	134	10.45	89.0	4.01

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VANCOUVER BC V6B 1L8

Finalized Date: 1- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16130289

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R607800		7.81	0.08	1.1	1.855	0.029	0.97	24.4	7.4	0.21	77	9.63	0.01	5.1	97.7	790
R607801		9.00	0.10	1.5	1.415	0.028	1.17	23.9	9.5	0.16	68	10.05	0.02	5.8	179.0	1660
R607802		14.60	0.13	2.2	1.085	0.060	1.90	31.7	13.0	0.23	43	8.84	0.03	8.8	103.5	1160
R607803		13.70	0.16	2.1	1.360	0.047	1.74	31.9	12.4	0.22	46	9.74	0.03	8.9	115.5	1290
R607804		7.64	0.13	1.3	0.757	0.031	1.04	23.3	7.9	0.51	93	10.25	0.01	5.7	145.0	1840
R607805		10.15	0.09	1.6	0.546	0.038	1.43	29.4	9.2	0.26	71	10.15	0.03	7.2	126.0	1550
R607806		9.58	0.12	1.5	0.718	0.030	1.30	30.6	9.1	0.22	87	12.40	0.03	7.4	138.5	1650
R607807		9.17	0.10	1.5	0.436	0.035	1.26	30.3	9.3	0.23	80	11.00	0.02	6.7	143.0	1450
R607808		11.00	0.14	1.8	0.307	0.040	1.50	32.3	10.4	0.27	63	8.24	0.03	7.4	139.0	1600
R607809		6.12	0.05	1.3	0.197	0.025	0.86	19.3	6.7	0.46	115	6.05	0.02	4.5	75.5	970
R607810		7.86	0.07	1.3	0.182	0.030	1.03	24.4	7.2	0.29	126	6.20	0.02	5.5	78.3	1450
R607811		8.33	0.10	1.4	0.214	0.032	1.16	25.6	7.6	0.23	100	6.30	0.02	5.7	85.2	1560
R607812		6.52	0.10	1.2	0.197	0.025	0.90	21.6	7.0	0.21	114	6.22	0.02	4.9	81.7	1280
R607813		7.35	0.08	1.4	0.121	0.028	0.95	22.3	7.8	0.27	89	5.52	0.02	5.3	103.5	2470
R607814		9.79	0.08	1.5	0.213	0.038	1.29	31.8	9.0	0.24	86	9.52	0.03	6.7	130.5	2110
R607815		11.25	0.15	1.6	0.334	0.040	1.50	35.0	11.0	0.25	72	7.51	0.03	7.8	108.5	1910
R607816		9.12	0.10	1.5	0.327	0.035	1.20	26.8	9.3	0.31	114	5.93	0.03	6.5	76.9	1530
R607817		10.20	0.13	1.6	0.304	0.039	1.34	30.3	10.0	0.25	94	6.22	0.03	7.3	82.8	1300
R607818		11.20	0.10	1.8	0.351	0.047	1.41	30.2	13.1	0.28	78	8.59	0.03	8.6	88.2	1420
R607819		8.34	0.07	1.4	0.255	0.029	1.03	22.5	10.9	0.51	86	5.45	0.03	6.5	60.3	1440
R607820		8.93	0.08	1.6	0.426	0.033	1.11	24.6	10.6	0.26	89	6.80	0.03	6.8	85.7	1220
R607821		5.74	<0.05	1.2	0.700	0.020	0.73	15.6	7.0	0.25	120	7.91	0.02	4.3	73.0	1670
R607822		3.86	<0.05	0.9	1.010	0.017	0.49	11.5	5.8	0.18	124	6.40	0.01	2.8	58.3	1290
R607823		2.22	<0.05	0.7	0.180	0.008	0.27	8.5	4.5	1.00	111	3.62	0.01	1.8	33.3	1570
R607824		2.52	0.05	0.6	0.229	0.010	0.28	8.8	5.3	1.24	141	4.02	0.02	2.0	32.6	1290
R607825		7.79	0.07	1.4	0.801	0.025	0.94	25.5	11.5	0.37	93	10.95	0.03	6.0	76.0	1250
R607826		7.71	0.06	1.6	0.714	0.029	0.92	23.6	12.8	0.22	94	12.60	0.02	6.3	126.0	2000
R607827		7.87	0.06	1.6	0.733	0.032	0.96	25.0	13.3	0.19	84	13.95	0.02	6.6	150.5	1690
R607828		8.62	<0.05	1.6	1.295	0.038	1.02	28.9	13.7	0.19	83	13.50	0.02	7.1	163.0	1750
R607829		9.34	0.06	1.7	1.485	0.038	1.10	30.5	14.1	0.19	78	13.90	0.02	7.4	197.0	1960
R607830		9.30	0.06	1.5	1.175	0.040	1.07	29.6	14.1	0.17	78	13.35	0.02	7.3	192.5	1980
R607831		9.80	0.05	1.7	1.600	0.028	1.17	31.4	14.0	0.18	61	11.00	0.03	7.8	126.0	1380
R607832		10.75	0.07	1.9	1.495	0.027	1.29	33.4	12.7	0.20	42	9.30	0.03	8.7	103.5	1230
R607833		10.70	0.07	1.8	1.200	0.037	1.26	31.5	12.3	0.20	49	12.00	0.03	8.2	126.5	1440
R607834		10.85	0.07	1.7	1.270	0.051	1.16	32.8	12.7	0.17	94	22.2	0.02	8.0	229	1890
R607835		10.95	0.09	1.8	1.475	0.050	1.14	31.9	12.2	0.17	90	24.0	0.03	8.0	234	1970
R607836		11.00	0.07	1.8	1.620	0.046	1.19	30.8	12.0	0.18	74	23.9	0.02	7.8	200	1800
R607837		11.40	0.07	1.9	2.40	0.045	1.28	32.4	12.9	0.19	61	17.60	0.03	8.5	165.0	1620
R607838		11.25	0.08	1.9	2.47	0.045	1.31	31.7	13.1	0.20	58	13.60	0.03	8.4	154.5	1690
R607839		10.25	0.07	1.9	2.06	0.046	1.21	28.7	12.5	0.31	100	14.05	0.03	7.7	175.5	2010

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 1- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16130289

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R607800		182.0	48.8	0.003	0.22	10.30	6.2	7	0.9	279	0.31	0.08	3.94	0.150	1.27	4.5
R607801		194.5	56.6	0.003	0.09	14.40	9.8	6	1.0	241	0.37	0.10	4.71	0.180	0.52	9.4
R607802		216	92.0	0.004	0.09	23.9	14.4	7	1.6	283	0.63	0.13	7.16	0.296	0.98	6.8
R607803		258	89.5	0.009	0.13	17.00	11.2	9	1.6	218	0.54	0.11	6.89	0.275	1.05	8.6
R607804		183.0	52.8	0.007	0.19	9.77	8.3	13	0.9	453	0.35	0.08	4.69	0.165	0.55	7.4
R607805		140.0	71.9	0.016	0.15	12.95	10.0	12	1.2	376	0.46	0.12	5.97	0.228	1.15	6.3
R607806		256	65.5	0.010	0.11	14.55	9.9	12	1.1	305	0.46	0.08	5.37	0.211	0.70	8.2
R607807		113.5	63.5	0.006	0.12	8.38	10.4	10	1.1	332	0.42	0.10	5.32	0.204	0.65	8.4
R607808		52.2	78.0	0.032	0.16	4.12	11.4	17	1.3	401	0.45	0.10	6.07	0.241	1.20	6.7
R607809		28.0	44.6	0.016	0.46	2.88	6.9	13	0.8	1030	0.29	0.06	3.54	0.137	0.69	4.0
R607810		23.9	56.7	0.007	0.19	2.26	7.8	10	0.9	641	0.34	0.09	4.16	0.162	0.70	4.3
R607811		55.3	59.5	0.008	0.13	2.85	7.8	14	1.0	433	0.35	0.08	4.44	0.179	0.80	4.5
R607812		46.8	44.1	0.006	0.19	2.69	6.2	9	0.8	724	0.29	0.09	3.62	0.139	0.51	4.0
R607813		16.9	51.2	0.006	0.37	2.55	6.6	9	0.9	832	0.32	0.06	4.00	0.156	0.65	4.1
R607814		19.6	68.1	0.010	0.18	2.75	8.3	13	1.1	509	0.41	0.11	5.25	0.203	0.90	5.9
R607815		13.4	80.4	0.039	1.36	2.41	8.8	29	1.3	310	0.49	0.14	5.85	0.244	1.62	5.4
R607816		10.7	66.6	0.034	1.44	1.89	9.0	25	1.1	624	0.39	0.09	4.74	0.195	1.27	4.8
R607817		11.6	73.1	0.035	0.87	1.99	9.6	32	1.2	508	0.44	0.09	5.44	0.222	1.23	5.1
R607818		15.9	74.1	0.030	1.69	2.53	10.2	21	1.3	444	0.51	0.10	6.12	0.235	1.63	6.4
R607819		13.9	55.2	0.011	1.96	2.09	9.5	10	0.9	804	0.38	0.05	4.56	0.172	2.15	5.5
R607820		17.5	57.9	0.007	0.45	3.06	9.3	9	1.0	670	0.41	0.09	5.20	0.179	1.07	5.1
R607821		16.2	37.3	0.002	0.19	2.46	6.3	4	0.7	972	0.26	<0.05	3.44	0.113	0.56	4.7
R607822		15.9	25.3	0.003	0.20	2.19	4.7	4	0.5	863	0.16	<0.05	2.49	0.072	0.41	3.5
R607823		12.8	15.0	0.003	0.44	1.79	3.2	3	0.3	1310	0.10	<0.05	1.68	0.045	0.53	3.2
R607824		10.3	16.2	0.008	0.32	1.63	3.1	4	0.3	1205	0.13	<0.05	1.80	0.048	0.44	2.7
R607825		13.1	49.3	0.007	0.21	2.80	6.3	8	0.9	674	0.35	0.08	4.96	0.161	2.93	4.6
R607826		12.5	47.3	0.007	0.23	2.84	7.8	7	1.0	866	0.37	0.07	5.00	0.158	2.93	5.3
R607827		14.9	49.1	0.003	0.19	3.51	8.0	8	1.0	589	0.38	0.09	5.16	0.168	2.83	5.6
R607828		14.5	53.2	0.006	0.17	3.28	8.2	8	1.0	554	0.41	0.09	5.50	0.180	4.04	5.8
R607829		13.5	57.0	0.005	0.17	3.19	9.5	7	1.1	655	0.44	0.10	5.85	0.191	5.90	6.4
R607830		12.6	55.8	0.004	0.19	3.11	9.4	7	1.0	711	0.43	0.11	5.64	0.183	5.36	6.2
R607831		14.5	61.5	0.003	0.17	2.80	6.5	5	1.2	496	0.46	0.07	5.96	0.207	4.98	5.9
R607832		14.2	66.4	0.004	0.18	2.30	6.1	5	1.3	441	0.50	0.09	6.61	0.237	5.86	6.1
R607833		12.3	66.4	0.003	0.20	2.10	7.0	7	1.2	469	0.48	0.09	6.50	0.223	7.85	6.3
R607834		11.6	59.8	0.002	0.15	3.04	10.3	14	1.1	476	0.46	0.10	6.27	0.202	5.80	8.0
R607835		11.3	59.4	0.003	0.14	3.10	11.0	17	1.3	499	0.45	0.10	6.06	0.201	4.57	8.2
R607836		11.5	61.5	0.004	0.15	3.09	9.9	16	1.2	440	0.45	0.10	6.06	0.209	4.61	8.2
R607837		12.6	67.2	0.008	0.16	2.99	10.4	17	1.2	408	0.49	0.08	6.51	0.225	5.35	7.5
R607838		15.2	69.0	0.007	0.16	2.86	10.4	15	1.3	447	0.50	0.09	6.59	0.230	6.27	7.4
R607839		17.9	61.7	0.006	0.37	3.03	10.2	13	1.1	572	0.47	0.07	5.83	0.211	5.19	7.2

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
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Finalized Date: 1- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16130289

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- AA26 Au ppm 0.01
R607800		177	1.6	27.4	641	51.0	<0.01
R607801		219	2.4	41.2	978	71.3	<0.01
R607802		260	4.3	30.9	846	90.2	<0.01
R607803		266	3.9	30.3	697	85.5	<0.01
R607804		187	1.9	39.5	953	57.6	<0.01
R607805		232	1.1	32.5	925	67.4	<0.01
R607806		241	2.1	39.7	1020	67.9	<0.01
R607807		224	1.4	45.3	873	66.6	<0.01
R607808		247	1.3	39.0	679	79.7	<0.01
R607809		171	0.7	28.6	427	67.6	<0.01
R607810		187	0.8	26.6	473	63.5	<0.01
R607811		193	1.0	26.9	512	60.6	<0.01
R607812		175	0.8	29.7	546	60.9	<0.01
R607813		169	0.8	32.7	537	69.1	<0.01
R607814		215	1.1	36.6	642	69.1	<0.01
R607815		227	1.2	27.4	443	69.6	<0.01
R607816		200	0.9	27.2	288	69.0	<0.01
R607817		215	1.0	29.6	383	71.0	<0.01
R607818		224	1.0	32.6	333	67.4	<0.01
R607819		192	0.9	28.7	242	60.4	<0.01
R607820		195	1.0	32.4	443	63.7	<0.01
R607821		141	0.7	30.0	373	52.8	<0.01
R607822		105	0.5	22.5	286	37.6	<0.01
R607823		84	0.4	16.8	171	38.0	<0.01
R607824		83	0.5	14.8	171	30.9	<0.01
R607825		182	1.1	22.6	375	53.4	<0.01
R607826		180	1.0	33.0	572	66.4	<0.01
R607827		194	1.0	35.2	670	65.3	<0.01
R607828		215	1.2	34.2	673	63.4	<0.01
R607829		232	1.4	38.3	864	64.2	<0.01
R607830		222	1.4	40.6	831	62.1	<0.01
R607831		206	1.6	29.1	511	66.0	<0.01
R607832		205	1.8	26.5	382	69.0	<0.01
R607833		211	1.7	30.9	490	66.1	<0.01
R607834		243	1.6	47.0	810	70.3	<0.01
R607835		255	1.6	47.9	774	77.5	<0.01
R607836		262	1.6	44.7	643	74.3	<0.01
R607837		244	1.9	33.7	521	74.8	<0.01
R607838		237	1.9	28.8	522	74.3	0.68
R607839		210	1.8	32.3	664	72.9	<0.01

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Finalized Date: 1- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16130289

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R607840		2.76	1.32	3.60	288	720	1.43	0.14	3.10	2.12	33.9	10.7	126	9.74	87.4	3.95
R607841		2.64	1.17	3.48	264	330	1.38	0.13	5.38	2.31	31.5	11.5	122	8.68	84.9	4.25
R607842		2.84	0.90	3.76	199.0	250	1.38	0.15	5.59	1.85	32.8	9.8	128	10.10	81.6	4.03
R607843		2.64	0.83	4.14	162.5	200	1.47	0.17	4.80	1.41	36.8	8.6	140	12.80	84.7	3.62
R607844		2.44	0.81	4.37	146.0	190	1.52	0.19	4.27	1.20	38.4	8.2	146	12.50	86.1	3.42
R607845		2.82	0.84	4.60	159.5	160	1.57	0.18	3.95	1.22	40.0	8.5	150	13.65	89.9	3.26
R607846		2.62	0.81	4.77	171.0	190	1.57	0.20	3.87	1.08	40.9	8.1	155	13.90	91.5	3.16
R607847		2.86	0.82	4.61	168.5	160	1.59	0.19	3.48	0.99	40.1	7.8	148	13.70	85.9	3.03
R607848		2.38	0.77	4.51	167.5	160	1.56	0.19	3.33	0.93	39.5	7.2	147	13.15	79.1	2.99
R607849		2.66	0.80	4.25	151.5	170	1.47	0.18	2.91	0.86	36.8	6.7	142	12.10	75.3	2.82
R607850		2.72	0.91	4.07	167.0	180	1.43	0.16	2.89	1.04	36.6	7.0	135	12.50	73.3	2.80
R607851		2.52	1.04	4.05	152.5	210	1.33	0.18	2.60	1.08	37.1	7.0	128	11.90	69.8	2.70
R607852		2.80	1.19	3.96	148.0	210	1.25	0.18	2.51	1.25	36.3	6.8	122	11.05	64.5	2.56
R607853		2.28	1.39	4.07	152.5	230	1.39	0.17	2.60	1.77	37.7	7.1	126	11.15	67.5	2.65
R607854		2.28	0.95	5.23	159.0	2430	1.80	0.22	0.32	1.02	52.1	5.6	143	16.80	57.8	2.94
R607855		1.66	1.49	4.61	246	2550	1.51	0.19	1.14	1.85	46.5	7.1	179	12.85	64.8	3.13
R607856		1.98	2.43	4.96	409	2210	1.48	0.20	0.46	2.70	48.1	6.3	246	16.25	80.3	3.60
R607857		2.16	2.10	3.74	528	2090	1.31	0.16	4.13	3.01	38.3	6.3	169	9.83	69.6	3.56
R607858		1.88	3.02	4.27	652	2320	1.17	0.17	1.66	3.96	41.9	5.0	195	10.10	65.3	3.51
R607859		1.84	12.00	4.48	3340	5570	1.70	0.19	1.39	15.45	46.9	4.6	155	13.25	76.3	7.74
R607860		2.58	1.85	0.40	315	1450	0.29	0.03	34.3	6.31	4.84	0.7	13	1.23	8.1	0.78
R607861		2.94	0.61	0.22	68.4	350	0.23	0.02	35.4	3.75	2.81	0.4	8	0.59	5.7	0.17
R607862		3.10	0.22	0.20	57.2	200	0.23	0.02	36.9	4.49	2.94	0.3	7	0.57	4.6	0.14
R607863		3.12	0.13	0.13	44.9	250	0.21	0.01	36.8	2.65	1.78	0.3	4	0.44	3.6	0.11
R607864		3.30	0.24	0.21	48.3	240	0.23	0.02	36.7	3.89	3.54	0.4	7	0.75	4.6	0.14
R607865		2.86	0.17	0.14	61.3	230	0.20	0.02	36.9	2.87	1.72	0.6	5	0.51	3.8	0.16
R607866		2.56	0.24	0.12	65.0	220	0.15	0.01	37.7	3.98	1.41	0.5	5	0.32	3.3	0.16
R607867		2.76	0.28	0.14	88.9	290	0.24	0.01	37.9	3.63	1.40	0.6	5	0.29	3.9	0.20
R607868		2.60	0.25	0.11	77.4	260	0.20	0.01	37.9	3.14	1.33	0.8	4	0.27	2.9	0.22
R607869		2.98	0.32	0.12	79.1	260	0.25	0.01	37.4	3.65	1.70	0.8	4	0.33	3.1	0.22
R607870		2.80	0.24	0.09	65.8	250	0.22	0.01	37.5	2.56	1.09	0.7	3	0.23	2.6	0.18
R607871		3.10	0.22	0.11	66.4	280	0.27	0.01	37.9	3.12	1.43	0.9	4	0.34	2.7	0.19
R607872		2.68	0.21	0.17	74.6	470	0.26	0.01	37.9	3.43	2.13	0.7	4	0.53	3.0	0.20
R607873		3.20	0.23	0.14	69.7	270	0.22	0.01	36.3	3.69	1.59	0.6	4	0.36	3.8	0.19
R607874		2.98	0.21	0.14	71.1	270	0.29	0.01	36.9	4.05	1.62	0.5	4	0.37	4.0	0.17
R607875		3.30	0.24	0.14	54.2	240	0.31	0.01	38.0	7.71	1.85	0.5	4	0.45	4.4	0.14
R607876		3.06	0.24	0.19	74.6	300	0.34	0.01	38.3	4.16	2.15	0.6	4	0.66	4.8	0.17
R607877		2.90	0.26	0.15	66.2	340	0.30	0.01	39.6	5.97	1.90	0.7	4	0.49	5.8	0.16
R607878		2.74	0.43	0.16	72.6	880	0.28	0.01	38.3	4.67	1.97	0.9	4	0.61	6.0	0.20
R607879		3.32	0.17	0.16	61.2	1480	0.17	0.01	37.7	2.31	1.69	0.8	3	0.58	4.8	0.17

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 1- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16130289

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R607840		9.77	0.08	1.7	2.01	0.041	1.12	25.9	12.3	0.33	105	14.20	0.03	7.3	175.5	1900
R607841		9.11	0.06	1.7	1.815	0.040	1.08	23.3	11.9	1.00	157	12.45	0.03	6.9	178.0	2130
R607842		10.00	0.08	1.8	1.745	0.042	1.22	23.6	12.9	1.24	149	10.65	0.03	7.7	153.0	1730
R607843		11.50	0.06	2.0	1.705	0.050	1.39	26.5	15.2	0.99	113	10.40	0.04	9.0	141.5	1340
R607844		11.95	0.09	2.1	1.875	0.046	1.52	27.4	15.7	0.90	100	10.45	0.04	9.3	136.0	1170
R607845		13.05	0.10	2.1	1.840	0.050	1.62	27.9	16.9	0.74	87	10.95	0.04	9.9	139.5	1120
R607846		13.00	0.09	2.3	1.865	0.052	1.66	28.7	16.7	0.67	80	9.74	0.04	9.8	138.0	1070
R607847		12.75	0.10	2.1	1.775	0.047	1.62	27.6	16.4	0.58	71	8.74	0.04	9.6	127.5	1160
R607848		12.60	0.08	2.1	1.620	0.041	1.58	27.9	15.6	0.51	68	7.80	0.04	9.5	119.0	1260
R607849		12.00	0.08	2.0	1.260	0.045	1.51	26.6	15.0	0.48	66	7.04	0.03	9.2	110.0	1220
R607850		11.50	0.09	1.9	1.165	0.039	1.41	26.0	14.1	0.47	70	7.02	0.03	8.8	109.0	1260
R607851		11.45	0.07	2.0	1.140	0.043	1.43	25.8	13.7	0.49	77	6.28	0.03	8.7	99.7	1140
R607852		11.10	0.08	1.9	1.295	0.040	1.41	25.1	13.6	0.48	85	5.88	0.03	8.5	92.3	1020
R607853		11.35	0.07	1.9	1.490	0.043	1.44	25.9	14.8	0.47	93	6.04	0.03	8.6	96.4	1050
R607854		14.35	0.14	2.3	0.433	0.053	1.80	36.2	13.5	0.26	68	5.49	0.05	9.6	86.3	940
R607855		11.95	0.13	1.9	1.750	0.045	1.61	34.8	10.8	0.25	63	9.31	0.03	7.9	126.5	1640
R607856		13.05	0.15	2.0	3.44	0.050	1.72	36.8	11.7	0.27	53	10.20	0.04	7.8	112.0	1040
R607857		9.99	0.12	1.7	2.72	0.038	1.22	29.7	10.1	0.20	99	12.10	0.02	6.6	110.5	1630
R607858		11.15	0.13	2.0	3.48	0.045	1.38	32.9	11.9	0.22	83	12.90	0.02	7.0	111.0	1370
R607859		12.30	0.14	1.9	18.35	0.041	1.32	32.8	16.5	0.22	111	30.7	0.01	9.0	137.5	1800
R607860		1.13	0.05	0.2	3.66	0.007	0.13	3.5	1.6	0.19	53	2.97	<0.01	0.8	14.5	170
R607861		0.63	0.06	0.1	0.370	0.005	0.06	2.1	1.2	0.16	149	0.75	<0.01	0.4	4.5	100
R607862		0.53	0.06	0.1	0.291	0.005	0.06	1.9	1.0	0.14	233	0.71	<0.01	0.4	3.5	70
R607863		0.33	0.06	0.1	0.179	<0.005	0.04	1.2	0.7	0.17	96	0.59	<0.01	0.2	3.4	50
R607864		0.55	0.07	0.1	0.276	<0.005	0.07	2.3	1.1	0.19	60	0.63	<0.01	0.4	5.0	70
R607865		0.40	0.07	0.1	0.244	<0.005	0.05	1.2	0.8	0.21	42	0.60	<0.01	0.3	8.7	60
R607866		0.35	0.07	0.1	0.230	<0.005	0.04	1.1	0.7	0.20	31	0.94	<0.01	0.2	6.6	60
R607867		0.32	0.06	0.1	0.314	<0.005	0.04	1.0	0.8	0.18	51	0.82	<0.01	0.2	10.7	60
R607868		0.28	0.06	0.1	0.248	<0.005	0.04	0.9	0.7	0.17	52	0.86	<0.01	0.2	11.2	60
R607869		0.33	0.05	0.1	0.326	<0.005	0.04	1.0	0.8	0.19	45	0.91	<0.01	0.2	11.0	40
R607870		0.26	0.06	<0.1	0.308	<0.005	0.03	0.8	0.6	0.20	41	0.74	<0.01	0.2	9.0	40
R607871		0.31	0.06	0.1	0.281	<0.005	0.04	0.9	0.7	0.20	57	0.73	<0.01	0.2	11.2	40
R607872		0.46	0.06	0.1	0.379	<0.005	0.06	1.3	1.0	0.22	47	0.89	<0.01	0.3	8.8	60
R607873		0.38	0.05	0.1	0.565	<0.005	0.05	1.1	0.8	0.21	35	0.64	<0.01	0.2	9.0	50
R607874		0.36	0.05	0.1	0.354	<0.005	0.05	1.1	0.8	0.18	76	0.69	<0.01	0.2	10.8	50
R607875		0.40	0.05	0.1	0.227	<0.005	0.05	1.2	0.9	0.18	161	0.46	<0.01	0.2	6.9	50
R607876		0.55	0.06	0.1	0.526	<0.005	0.07	1.3	1.3	0.19	206	0.72	<0.01	0.3	9.5	40
R607877		0.39	0.06	0.1	0.287	<0.005	0.05	1.3	1.0	0.19	233	0.61	<0.01	0.2	10.7	50
R607878		0.43	0.06	0.1	0.448	<0.005	0.05	1.5	1.1	0.14	175	0.48	<0.01	0.2	12.2	40
R607879		0.39	<0.05	0.1	0.287	<0.005	0.05	1.4	1.1	0.12	71	0.34	<0.01	0.2	12.7	30

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Finalized Date: 1- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16130289

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R607840		16.4	58.0	0.010	0.44	3.06	10.1	12	1.1	546	0.44	0.09	5.66	0.196	4.89	6.9
R607841		22.3	54.6	0.009	0.86	3.02	11.3	11	1.1	655	0.40	0.07	5.16	0.187	4.04	6.6
R607842		12.6	61.6	0.008	1.40	2.54	11.7	12	1.2	553	0.45	0.05	5.58	0.210	5.82	6.4
R607843		12.3	73.4	0.013	1.87	2.51	12.1	13	1.4	447	0.52	0.08	6.39	0.240	6.79	7.2
R607844		13.7	77.3	0.012	2.07	2.49	12.2	12	1.4	394	0.57	0.08	6.82	0.261	7.00	7.6
R607845		13.3	83.7	0.015	2.14	2.64	12.4	15	1.5	378	0.57	0.07	7.11	0.273	6.64	7.7
R607846		13.8	85.9	0.013	2.28	2.57	12.3	14	1.6	350	0.58	0.05	7.15	0.283	6.31	7.7
R607847		13.9	84.8	0.010	2.31	2.56	12.5	13	1.5	329	0.57	0.05	6.86	0.273	5.93	7.2
R607848		13.2	82.0	0.012	2.35	2.49	12.3	12	1.4	316	0.57	0.08	6.85	0.266	5.45	6.6
R607849		13.7	78.3	0.007	2.15	2.75	11.8	12	1.3	270	0.54	0.09	6.44	0.253	4.74	6.0
R607850		19.1	73.7	0.008	1.91	3.31	11.6	10	1.3	280	0.52	0.08	6.14	0.238	3.88	5.7
R607851		22.0	72.4	0.009	1.84	3.53	11.3	10	1.3	258	0.52	0.08	6.12	0.239	3.49	5.3
R607852		31.7	70.9	0.009	1.79	4.38	11.3	8	1.3	237	0.50	0.07	6.11	0.234	3.19	4.9
R607853		44.7	72.8	0.008	1.83	5.28	11.5	9	1.3	240	0.51	0.08	6.12	0.237	2.99	5.0
R607854		21.2	98.7	0.012	0.17	3.20	11.1	6	1.4	206	0.71	0.11	7.24	0.300	0.90	5.5
R607855		16.8	82.1	0.005	0.11	3.16	9.7	13	1.3	246	0.62	0.08	6.84	0.246	1.02	7.4
R607856		19.6	87.2	0.006	0.18	2.99	11.6	24	1.3	255	0.58	0.10	6.75	0.266	2.35	6.7
R607857		207	60.0	<0.002	0.08	6.05	9.2	11	1.0	325	0.48	0.10	5.38	0.206	1.10	6.9
R607858		273	65.2	<0.002	0.07	8.90	8.8	16	1.1	228	0.55	0.09	6.01	0.227	1.08	7.2
R607859		2490	59.9	<0.002	0.14	105.0	9.2	15	1.3	441	0.66	0.13	6.03	0.226	1.35	8.7
R607860		218	5.3	<0.002	0.04	9.25	1.9	2	<0.2	227	0.07	<0.05	0.65	0.021	0.15	2.2
R607861		66.7	2.8	<0.002	0.01	1.71	3.3	1	<0.2	182.0	<0.05	<0.05	0.39	0.011	0.07	2.6
R607862		47.5	2.5	<0.002	0.01	1.22	4.2	1	<0.2	154.0	<0.05	<0.05	0.49	0.009	0.07	2.7
R607863		26.7	1.8	<0.002	0.01	1.08	1.6	1	<0.2	194.0	<0.05	<0.05	0.26	0.006	0.07	1.3
R607864		37.4	3.0	<0.002	0.01	1.00	1.1	1	<0.2	238	<0.05	<0.05	0.46	0.010	0.08	2.0
R607865		25.0	2.1	0.002	0.02	1.04	0.7	1	<0.2	256	<0.05	<0.05	0.30	0.007	0.05	1.4
R607866		29.8	1.8	<0.002	0.02	1.31	0.5	1	<0.2	236	<0.05	<0.05	0.20	0.006	0.05	2.8
R607867		26.3	1.6	0.002	0.02	1.35	0.5	1	<0.2	243	<0.05	<0.05	0.19	0.006	0.07	2.3
R607868		19.4	1.5	<0.002	0.02	1.12	0.8	1	<0.2	250	<0.05	<0.05	0.17	0.005	0.07	1.8
R607869		20.7	1.8	<0.002	0.01	1.18	0.9	1	<0.2	281	<0.05	<0.05	0.21	0.006	0.06	1.7
R607870		19.1	1.3	<0.002	0.01	1.06	0.6	1	<0.2	295	<0.05	<0.05	0.15	0.005	0.05	1.3
R607871		17.8	1.7	<0.002	0.02	0.89	0.6	1	<0.2	302	<0.05	<0.05	0.18	0.006	0.12	1.6
R607872		25.1	2.8	0.002	0.02	1.40	0.6	1	<0.2	338	<0.05	<0.05	0.26	0.008	0.08	1.2
R607873		20.1	2.1	<0.002	0.01	1.24	0.5	1	<0.2	293	<0.05	<0.05	0.21	0.006	0.04	1.2
R607874		27.7	2.0	0.002	0.01	1.48	0.7	1	<0.2	300	<0.05	<0.05	0.21	0.006	0.05	1.6
R607875		28.9	2.2	<0.002	0.01	0.98	1.1	1	<0.2	283	<0.05	<0.05	0.28	0.007	0.05	1.9
R607876		20.9	3.1	0.002	0.02	1.12	1.0	1	<0.2	341	<0.05	<0.05	0.28	0.008	0.10	1.5
R607877		20.4	2.2	<0.002	0.01	0.99	1.4	1	<0.2	325	<0.05	<0.05	0.21	0.006	0.07	1.6
R607878		20.8	2.3	<0.002	0.02	0.94	1.4	1	<0.2	359	<0.05	<0.05	0.22	0.007	0.07	1.9
R607879		15.1	2.3	<0.002	0.04	0.75	0.6	1	<0.2	334	<0.05	<0.05	0.18	0.006	0.06	1.4

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Finalized Date: 1- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16130289

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- AA26 Au ppm 0.01
R607840		198	1.7	32.4	658	71.0	<0.01
R607841		192	1.6	37.4	691	72.4	<0.01
R607842		197	1.6	34.5	579	76.7	<0.01
R607843		203	1.7	33.1	523	81.3	<0.01
R607844		208	1.8	32.3	499	80.9	<0.01
R607845		214	2.0	34.1	493	84.8	<0.01
R607846		219	2.1	34.0	495	84.5	<0.01
R607847		211	2.0	33.6	452	81.9	0.01
R607848		215	1.9	33.2	417	79.3	<0.01
R607849		217	1.7	31.5	378	76.0	<0.01
R607850		210	1.7	31.8	383	74.8	<0.01
R607851		211	1.8	29.8	357	73.5	<0.01
R607852		207	1.9	27.8	372	71.0	<0.01
R607853		212	2.1	28.7	456	73.1	<0.01
R607854		285	1.7	28.6	307	85.3	0.01
R607855		257	1.2	33.8	499	69.8	0.01
R607856		308	1.8	30.6	469	73.4	<0.01
R607857		236	2.5	38.8	771	66.0	<0.01
R607858		257	4.2	31.8	970	75.8	0.01
R607859		375	7.0	30.6	3420	78.1	0.04
R607860		36	0.7	6.0	348	8.5	0.01
R607861		27	0.3	7.9	71	4.6	<0.01
R607862		27	0.3	10.4	54	4.5	<0.01
R607863		12	0.2	4.8	51	2.8	<0.01
R607864		13	0.2	5.5	55	4.2	<0.01
R607865		11	0.2	3.8	71	3.0	<0.01
R607866		13	0.2	2.9	74	2.8	<0.01
R607867		13	0.2	4.2	112	2.4	<0.01
R607868		11	0.2	4.1	123	2.0	<0.01
R607869		10	0.2	4.3	115	2.4	<0.01
R607870		9	0.2	3.3	97	1.8	<0.01
R607871		8	0.2	4.0	107	2.4	<0.01
R607872		10	0.3	4.0	102	3.0	<0.01
R607873		10	0.2	4.1	103	2.5	<0.01
R607874		11	0.2	5.0	85	2.5	<0.01
R607875		11	0.3	6.2	72	3.1	<0.01
R607876		13	0.3	5.0	86	3.0	<0.01
R607877		10	0.3	6.7	79	2.5	<0.01
R607878		13	0.2	7.1	104	2.5	<0.01
R607879		10	0.2	4.5	93	2.1	<0.01

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CERTIFICATE OF ANALYSIS VA16130289

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R607880		3.20	0.12	0.16	60.3	400	0.26	0.01	39.4	2.54	1.53	0.6	3	0.42	3.9	0.15
R607881		2.76	0.10	0.08	49.4	240	0.16	0.01	38.1	0.86	1.14	0.5	2	0.21	2.2	0.10
R607882		3.16	0.19	0.26	75.4	500	0.28	0.01	34.8	3.87	3.04	0.7	6	0.94	3.8	0.22
R607883		2.72	0.14	0.20	66.8	440	0.27	0.01	36.1	2.46	2.19	0.6	5	0.63	3.1	0.15
R607884		3.06	0.21	0.18	137.5	500	0.27	0.01	35.3	1.84	2.07	0.5	5	0.43	4.0	0.39
R607885		3.10	0.20	0.13	72.2	320	0.28	0.01	36.6	1.71	1.49	0.5	5	0.33	2.9	0.17
R607886		3.00	0.24	0.16	88.9	390	0.30	0.01	36.2	1.12	1.85	0.5	5	0.36	2.9	0.18
R607887		2.08	0.35	0.18	101.0	410	0.31	0.01	36.5	1.04	1.89	0.5	6	0.38	3.0	0.25
R607888		3.00	0.36	0.16	111.0	460	0.31	0.01	37.1	1.68	1.73	0.5	6	0.38	4.1	0.25
R607889		2.86	0.27	0.14	93.0	440	0.21	0.01	36.0	0.68	1.54	0.4	5	0.34	2.7	0.19
R607890		2.90	0.26	0.14	85.2	500	0.15	0.01	36.3	0.56	1.48	0.5	6	0.30	2.8	0.19
R607891		2.96	0.29	0.16	94.2	670	0.17	0.01	36.3	0.64	1.82	0.6	6	0.35	3.0	0.23
R607892		2.94	0.36	0.26	105.5	590	0.13	0.01	35.4	0.60	3.25	0.8	7	0.57	3.8	0.27
R607893		3.14	0.21	0.34	82.5	470	0.15	0.02	35.8	0.52	4.10	1.1	7	0.84	4.0	0.30
R607894		2.88	0.38	0.25	121.5	640	0.17	0.02	36.7	0.75	3.11	0.8	7	0.56	3.6	0.35
R607895		2.58	0.30	0.30	110.5	690	0.23	0.02	36.1	0.70	3.86	1.0	8	0.73	4.1	0.35
R607896		2.86	0.29	0.19	105.5	560	0.19	0.01	38.3	0.64	4.19	0.6	9	0.43	3.9	0.28
R607897		3.00	0.31	0.17	130.0	580	0.15	0.01	37.7	1.27	3.58	1.0	8	0.39	6.5	0.39
R607898		2.50	1.34	0.50	274	1000	0.24	0.03	34.3	2.00	6.48	1.1	19	1.16	10.2	0.78
R607899		2.56	0.48	0.30	183.0	630	0.21	0.02	36.3	1.29	4.72	0.9	12	0.68	6.3	0.47
R607900		2.96	0.51	0.35	188.0	720	0.20	0.02	34.2	1.31	4.87	1.1	14	0.78	7.1	0.54
Q010701		3.42	0.59	0.37	213	730	0.19	0.02	34.2	1.48	5.10	0.9	14	0.77	7.1	0.59
Q010702		2.64	0.55	0.24	168.5	770	0.17	0.01	35.8	1.00	3.74	0.8	9	0.54	5.6	0.45
Q010703		3.22	0.32	0.21	192.0	780	0.14	0.01	36.8	1.28	3.47	0.9	8	0.65	5.0	0.45

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 1- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16130289

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R607880		0.30	0.06	<0.1	0.095	<0.005	0.04	1.2	1.0	0.13	38	0.31	<0.01	0.2	14.2	40
R607881		0.19	0.05	<0.1	0.149	<0.005	0.02	1.2	0.5	0.12	114	0.26	<0.01	0.1	6.5	40
R607882		0.77	0.07	0.1	0.252	0.005	0.09	1.9	1.8	0.13	186	0.39	<0.01	0.4	14.1	60
R607883		0.57	0.07	0.1	0.231	0.005	0.07	1.3	1.3	0.15	123	0.39	<0.01	0.3	8.4	50
R607884		0.48	<0.05	0.1	0.508	<0.005	0.06	1.3	0.8	0.16	143	1.32	<0.01	0.3	14.1	70
R607885		0.35	0.06	0.1	0.298	<0.005	0.04	0.9	0.7	0.22	64	0.62	<0.01	0.2	6.8	60
R607886		0.44	0.06	0.1	0.318	0.005	0.06	1.1	0.8	0.30	115	0.65	<0.01	0.3	6.0	70
R607887		0.49	0.05	0.1	0.338	<0.005	0.06	1.2	0.9	0.49	480	0.89	<0.01	0.3	6.4	90
R607888		0.44	0.05	0.1	0.485	0.005	0.05	1.3	0.9	0.16	167	1.09	<0.01	0.3	10.0	80
R607889		0.40	0.05	0.1	0.270	<0.005	0.05	1.1	0.8	0.16	101	0.97	<0.01	0.2	7.6	70
R607890		0.39	0.09	0.1	0.218	<0.005	0.04	1.2	0.9	0.17	29	1.09	<0.01	0.3	7.9	80
R607891		0.45	0.09	0.1	0.408	<0.005	0.05	1.4	1.0	0.22	32	1.41	<0.01	0.3	8.2	90
R607892		0.75	0.10	0.1	0.277	0.007	0.09	2.0	1.5	0.41	24	3.00	0.01	0.6	9.8	90
R607893		0.91	0.09	0.2	0.162	0.006	0.14	2.3	2.0	0.44	25	2.81	0.01	0.8	10.7	90
R607894		0.72	0.10	0.1	1.085	0.005	0.09	2.0	1.5	0.33	29	1.75	0.01	0.6	10.3	100
R607895		0.81	0.09	0.2	0.317	<0.005	0.11	2.3	1.6	0.29	32	2.45	0.01	0.7	11.4	100
R607896		0.59	0.11	0.1	0.241	<0.005	0.06	6.8	1.3	0.20	34	1.85	0.01	0.4	9.7	260
R607897		0.58	0.10	0.1	0.281	<0.005	0.05	6.1	1.3	0.23	37	2.86	0.01	0.3	17.6	200
R607898		1.55	0.09	0.3	2.45	0.005	0.16	6.5	2.4	0.18	41	4.48	0.01	1.1	24.4	370
R607899		0.94	0.10	0.2	0.381	<0.005	0.09	5.7	1.7	0.16	38	3.66	0.01	0.6	19.3	310
R607900		1.12	0.08	0.2	0.435	0.005	0.11	5.6	1.7	0.15	52	3.67	<0.01	0.9	22.4	240
Q010701		1.11	0.08	0.2	0.470	0.006	0.11	5.6	1.8	0.15	63	3.41	0.01	0.8	21.3	310
Q010702		0.75	0.08	0.1	0.578	<0.005	0.07	4.8	1.4	0.16	49	3.38	0.01	0.5	17.9	220
Q010703		0.69	0.07	0.1	0.417	<0.005	0.06	4.3	1.4	0.20	42	3.74	0.01	0.5	19.6	190

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 1- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16130289

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R607880		17.3	1.7	<0.002	0.01	1.01	0.5	1	<0.2	340	<0.05	<0.05	0.15	0.005	0.04	0.8
R607881		14.6	0.9	<0.002	0.01	0.84	0.4	1	<0.2	330	<0.05	<0.05	0.09	<0.005	0.22	0.7
R607882		27.1	4.3	<0.002	0.02	1.20	1.7	1	<0.2	201	<0.05	<0.05	0.47	0.011	0.20	2.3
R607883		30.8	3.1	<0.002	0.01	1.34	2.7	1	<0.2	201	<0.05	<0.05	0.31	0.009	0.13	1.7
R607884		39.8	2.8	0.002	0.02	4.40	1.0	2	<0.2	207	<0.05	<0.05	0.26	0.009	0.10	1.4
R607885		32.0	2.0	0.002	0.01	1.96	0.5	1	<0.2	233	<0.05	<0.05	0.19	0.007	0.07	1.4
R607886		37.5	2.4	0.002	0.03	2.38	1.2	2	<0.2	261	<0.05	<0.05	0.23	0.008	0.09	1.4
R607887		54.0	2.7	0.002	0.04	2.85	5.6	1	<0.2	266	<0.05	<0.05	0.27	0.009	0.16	1.8
R607888		55.4	2.1	0.003	0.02	2.92	3.3	1	<0.2	269	<0.05	<0.05	0.25	0.007	0.09	1.8
R607889		45.5	2.0	0.002	0.02	2.26	1.3	2	<0.2	265	<0.05	<0.05	0.21	0.006	0.07	1.4
R607890		47.9	2.0	<0.002	0.03	2.83	0.6	1	<0.2	288	<0.05	<0.05	0.22	0.006	0.11	1.0
R607891		59.3	2.4	0.002	0.04	3.79	0.6	1	<0.2	362	<0.05	<0.05	0.26	0.007	0.10	1.1
R607892		57.8	4.6	0.004	0.11	3.62	0.7	1	<0.2	344	<0.05	<0.05	0.45	0.013	0.18	1.8
R607893		44.4	6.7	0.004	0.18	2.92	0.9	1	<0.2	342	0.05	<0.05	0.60	0.019	0.17	2.0
R607894		68.3	4.4	0.004	0.09	4.30	0.8	1	<0.2	324	<0.05	<0.05	0.44	0.013	0.19	1.7
R607895		62.8	5.4	0.003	0.10	4.25	1.0	2	<0.2	430	<0.05	<0.05	0.51	0.015	0.33	2.4
R607896		64.4	2.9	<0.002	0.03	3.88	0.9	1	<0.2	276	<0.05	<0.05	0.35	0.009	0.09	4.5
R607897		73.5	2.5	0.013	0.09	4.63	0.7	2	<0.2	236	<0.05	<0.05	0.30	0.008	0.18	8.6
R607898		211	8.1	0.011	0.05	10.20	1.4	3	0.2	223	0.07	<0.05	0.86	0.025	0.21	7.3
R607899		109.5	4.6	0.016	0.04	6.42	0.9	2	0.2	220	<0.05	<0.05	0.53	0.014	0.15	6.8
R607900		100.0	5.7	0.015	0.06	5.88	1.7	2	0.2	188.0	0.11	<0.05	0.63	0.018	0.21	7.5
Q010701		117.0	5.7	0.010	0.04	6.81	2.1	2	0.2	198.5	0.05	<0.05	0.65	0.018	0.16	7.2
Q010702		97.5	3.5	0.007	0.04	5.12	1.4	2	<0.2	200	<0.05	<0.05	0.40	0.011	0.13	6.9
Q010703		106.0	3.2	0.020	0.07	6.67	1.4	2	<0.2	207	<0.05	<0.05	0.37	0.011	0.19	8.3

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 1- SEP- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16130289

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- AA26 Au ppm 0.01
R607880		8	0.1	5.3	104	2.0	<0.01
R607881		7	0.1	3.7	53	1.2	<0.01
R607882		18	0.3	6.8	131	4.2	0.01
R607883		22	0.3	10.1	79	3.6	<0.01
R607884		21	0.4	5.5	172	3.6	0.05
R607885		12	0.2	3.3	98	2.6	0.02
R607886		19	0.4	5.5	104	3.2	<0.01
R607887		25	0.4	6.6	107	4.0	<0.01
R607888		25	0.3	11.2	123	3.9	<0.01
R607889		19	0.2	5.9	97	3.0	<0.01
R607890		12	0.2	3.7	94	3.3	<0.01
R607891		12	0.3	2.8	109	3.8	<0.01
R607892		14	0.4	2.5	100	5.8	<0.01
R607893		13	0.5	2.6	86	7.0	<0.01
R607894		13	0.4	3.3	138	5.7	<0.01
R607895		16	0.5	4.1	128	6.6	<0.01
R607896		22	0.3	10.7	130	4.7	<0.01
R607897		25	0.3	9.9	156	4.1	<0.01
R607898		51	0.7	9.7	354	11.6	0.01
R607899		36	0.5	9.9	201	6.8	<0.01
R607900		38	0.5	10.3	216	8.8	<0.01
Q010701		45	0.6	11.0	250	9.6	<0.01
Q010702		38	0.4	10.7	186	6.3	<0.01
Q010703		36	0.4	10.1	174	5.3	<0.01

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Project: Nadaleen

Finalized Date: 1- SEP- 2016
Account: RCM

CERTIFICATE OF ANALYSIS VA16130289

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA26	CRU- 31	Hg- MS42	LOG- 21
ME- MS61	PUL- 31	PUL- QC	SPL- 21
WEI- 21			

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VANCOUVER BC V6B 1L8

Finalized Date: 18- OCT- 2016
Account: RCM

CERTIFICATE WH16154027

Project: NADALEEN

P.O. No.: N16- B12

This report is for 66 Rock samples submitted to our lab in Whitehorse, YT, Canada on 13- SEP- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% <75 um

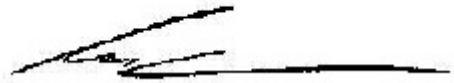
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 18- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16154027

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R607901		2.16	0.90	3.69	310	1410	1.21	0.14	14.85	4.20	44.6	8.7	63	5.27	32.6	2.69
R607902		2.20	0.94	2.73	210	1010	1.09	0.10	23.4	2.76	31.6	5.5	42	4.49	22.8	1.65
R607903		2.34	0.45	1.88	246	740	0.85	0.08	28.1	1.82	23.6	3.1	29	4.73	17.2	1.29
R607904		3.00	2.55	6.04	401	1500	3.39	0.26	4.62	3.45	67.2	12.6	80	24.0	97.2	3.17
R607905		2.64	0.94	6.59	274	1310	2.95	0.29	0.74	3.28	72.0	14.3	92	31.9	88.5	3.43
R607906		2.70	0.61	6.40	208	1250	2.66	0.27	0.35	2.67	69.5	11.5	91	32.0	83.6	2.92
R607907		2.72	0.53	6.28	242	1180	2.61	0.26	0.41	2.70	68.5	14.1	88	30.5	84.1	3.70
R607908		2.78	0.54	6.10	133.0	1210	2.63	0.27	0.72	2.05	67.9	12.3	85	30.3	77.5	3.47
R607909		2.70	0.55	6.17	119.0	950	2.74	0.29	0.70	2.22	68.7	11.3	90	30.6	80.5	3.86
R607910		3.84	0.56	5.94	237	490	2.82	0.25	0.87	2.00	68.2	11.9	89	29.7	89.6	3.69
R607911		3.70	0.83	6.35	248	1270	3.01	0.28	1.19	2.66	70.4	13.3	89	31.0	85.4	3.98
R607912		3.30	1.62	4.65	274	660	2.49	0.19	3.77	1.93	55.6	9.6	79	21.1	63.9	3.38
R607913		3.22	0.93	5.20	163.0	560	2.85	0.21	2.49	3.13	60.7	9.9	79	22.8	66.2	2.99
R607914		3.44	0.70	4.58	209	530	2.41	0.19	3.36	2.34	60.8	9.8	73	20.3	62.7	3.43
R607915		2.76	0.56	5.72	133.5	240	2.84	0.24	1.88	1.83	65.4	11.2	80	25.6	71.9	3.55
R607916		3.62	0.73	5.79	226	430	2.90	0.26	2.19	2.19	65.9	12.0	84	27.6	76.5	3.58
R607917		3.48	0.47	6.43	118.5	230	3.55	0.29	1.13	1.35	68.5	11.7	82	30.3	75.9	3.76
R607918		3.42	0.57	6.20	609	290	3.75	0.27	1.36	1.35	66.3	10.9	81	27.2	74.6	3.50
R607919		3.52	2.73	6.02	3090	370	3.43	0.28	1.63	1.39	65.5	10.9	85	23.3	74.8	2.94
R607920		3.28	2.27	4.94	2780	690	2.81	0.22	2.80	1.04	57.7	9.2	74	16.80	63.5	3.06
R607921		3.50	1.70	4.36	896	680	2.32	0.17	3.06	1.76	52.4	8.0	73	14.75	60.9	2.88
R607922		3.30	1.05	5.76	944	670	3.59	0.25	2.17	1.41	63.4	9.9	89	22.9	75.5	2.92
R607923		3.64	1.03	6.03	2550	270	3.79	0.26	1.70	1.52	64.4	10.0	84	24.3	80.6	3.57
R607924		3.96	1.15	5.64	2820	240	3.60	0.27	1.76	1.46	61.1	11.1	80	22.8	77.2	3.68
R607925		3.60	1.13	5.47	1700	470	3.41	0.25	2.12	1.97	58.6	9.5	78	20.8	72.7	3.18
R607926		3.12	0.90	5.07	1705	370	3.15	0.22	2.54	1.74	59.6	9.3	79	19.20	68.8	3.32
R607927		3.48	2.51	5.20	2340	430	3.15	0.23	2.42	1.86	57.4	8.9	77	18.55	70.4	3.02
R607928		3.76	1.81	5.67	1950	310	2.80	0.25	2.07	1.72	66.3	9.6	78	21.5	75.3	3.04
R607929		3.66	1.32	5.76	1430	410	2.80	0.24	2.55	1.51	66.7	9.6	88	21.4	74.8	2.77
R607930		3.60	1.96	5.57	3490	410	2.32	0.26	2.71	1.53	63.4	9.2	82	19.35	72.5	3.03
R607931		3.44	2.69	5.26	4220	300	2.20	0.25	4.01	1.99	60.2	8.8	78	17.35	77.5	3.27
R607932		3.30	3.08	5.26	2600	520	2.06	0.24	4.36	1.34	58.3	8.8	81	17.75	70.8	2.85
R607933		3.74	3.21	5.17	1560	500	1.86	0.24	3.36	1.21	57.8	8.4	78	15.30	68.4	2.87
R607934		3.52	3.36	5.43	1625	690	1.70	0.23	3.40	1.38	62.1	8.9	83	15.60	67.7	2.91
R607935		2.26	3.36	4.49	1290	570	1.32	0.19	10.15	2.15	51.5	6.9	69	16.55	49.2	2.41
R607936		3.14	1.40	1.44	587	320	0.74	0.07	27.4	1.23	18.05	3.4	21	6.25	17.8	0.98
R607937		3.58	0.78	1.15	444	340	0.57	0.06	30.7	0.77	13.60	2.5	18	4.33	15.1	0.72
R607938		3.16	0.38	0.65	258	260	0.36	0.04	32.6	0.61	7.44	1.4	11	2.50	8.5	0.40
R607939		3.02	0.34	0.63	249	270	0.31	0.04	32.8	0.48	8.76	1.4	11	2.31	9.1	0.39
R607940		3.42	0.39	0.70	292	240	0.34	0.04	33.2	0.39	9.96	1.6	13	2.62	9.8	0.43

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 18- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16154027

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R607901		9.82	0.12	1.6	0.754	0.035	1.23	25.7	19.4	1.67	652	5.08	0.23	9.0	40.6	930
R607902		6.96	0.11	1.2	0.479	0.026	0.92	18.0	12.1	0.80	293	3.29	0.25	6.2	31.5	590
R607903		5.30	0.08	0.9	0.417	0.020	0.70	13.8	7.0	0.40	170	2.44	0.10	4.7	22.9	430
R607904		15.85	0.17	2.7	0.596	0.061	2.68	36.1	12.3	0.51	267	6.41	0.06	17.4	65.9	1320
R607905		17.85	0.13	3.0	0.503	0.063	2.99	39.8	13.8	0.51	188	7.65	0.05	19.2	70.6	1220
R607906		17.25	0.13	2.9	0.387	0.067	2.94	38.2	13.9	0.52	171	6.58	0.04	18.6	64.3	1140
R607907		16.80	0.12	2.8	0.343	0.062	2.84	37.5	14.4	0.63	291	6.83	0.04	19.3	66.2	1250
R607908		16.55	0.14	2.8	0.348	0.061	2.78	36.8	15.0	0.84	321	6.51	0.04	19.4	62.1	1220
R607909		17.15	0.12	2.9	0.389	0.066	2.80	38.1	15.3	0.92	346	6.57	0.04	17.7	64.8	1020
R607910		16.10	0.13	2.6	0.533	0.061	2.73	37.3	14.3	0.70	213	6.61	0.04	19.2	81.5	1170
R607911		16.90	0.12	2.9	0.488	0.064	2.87	38.7	15.1	0.70	292	7.05	0.05	18.5	70.8	1210
R607912		12.40	0.11	2.3	0.504	0.046	2.02	30.7	11.6	1.37	399	5.87	0.04	15.5	62.0	1620
R607913		14.10	0.12	2.5	0.814	0.050	2.31	32.3	11.0	1.03	336	6.69	0.03	17.3	59.6	1380
R607914		12.55	0.13	2.4	0.678	0.052	1.99	32.1	12.1	1.30	435	8.10	0.03	17.6	68.4	1630
R607915		15.20	0.12	2.6	0.672	0.056	2.53	34.3	12.2	0.93	265	6.48	0.03	17.3	64.2	1260
R607916		15.85	0.12	2.6	0.629	0.060	2.58	35.3	12.7	0.80	276	7.13	0.05	17.4	66.8	1160
R607917		17.25	0.12	2.7	0.757	0.065	2.91	36.5	12.6	0.76	174	5.73	0.04	17.4	58.7	970
R607918		16.80	0.11	2.7	0.808	0.064	2.82	35.3	11.8	0.83	233	5.49	0.03	16.7	53.4	950
R607919		16.35	0.13	2.8	0.914	0.059	2.72	35.6	11.4	0.89	297	6.10	0.03	17.7	55.6	1030
R607920		13.35	0.12	2.4	0.930	0.049	2.22	31.2	9.7	1.21	436	5.48	0.03	16.0	51.3	1210
R607921		11.75	0.10	2.2	1.215	0.044	1.96	28.8	9.5	1.19	365	5.92	0.03	15.2	60.1	1730
R607922		16.05	0.11	2.8	1.275	0.057	2.60	35.1	10.9	1.05	284	6.17	0.03	17.9	58.7	1200
R607923		16.70	0.10	2.7	1.515	0.065	2.73	35.3	11.6	0.97	257	5.27	0.03	17.2	55.0	1050
R607924		15.55	0.11	2.6	1.555	0.062	2.56	33.1	11.2	0.93	326	5.81	0.03	16.8	60.5	1040
R607925		14.95	0.10	2.5	1.530	0.057	2.46	31.8	11.8	1.02	321	5.10	0.03	17.1	51.3	1120
R607926		13.90	0.10	2.7	1.900	0.048	2.30	32.2	10.8	1.13	354	7.66	0.03	17.5	65.2	1330
R607927		14.00	0.12	2.4	1.855	0.055	2.36	31.4	10.7	1.03	372	6.56	0.03	16.4	58.0	1180
R607928		16.00	0.14	2.6	1.890	0.059	2.56	35.7	10.1	0.96	293	7.17	0.03	17.1	60.9	1110
R607929		16.20	0.15	2.6	1.940	0.059	2.59	35.5	10.5	1.00	310	6.38	0.03	16.7	57.7	1070
R607930		15.50	0.16	2.5	2.73	0.057	2.47	34.1	9.5	0.95	311	5.85	0.03	15.8	55.1	1040
R607931		14.85	0.17	2.4	3.29	0.056	2.33	32.0	9.2	1.00	372	5.91	0.03	15.5	54.6	1010
R607932		14.80	0.15	2.5	2.91	0.049	2.33	32.1	9.4	1.04	393	5.87	0.03	15.8	54.5	1060
R607933		14.50	0.15	2.4	3.21	0.046	2.30	31.7	8.6	0.95	352	5.43	0.02	15.7	49.4	1050
R607934		15.25	0.19	2.5	3.18	0.044	2.40	33.9	9.1	0.85	326	5.67	0.02	16.4	51.4	1040
R607935		12.40	0.14	2.1	4.35	0.038	1.97	28.2	7.3	0.50	347	5.21	0.02	13.3	40.2	860
R607936		3.97	0.09	0.7	3.45	0.024	0.63	8.9	3.1	0.27	495	2.39	0.01	4.1	18.0	460
R607937		3.23	0.07	0.5	1.570	0.013	0.51	6.9	2.5	0.32	277	1.78	0.01	3.1	14.8	340
R607938		1.73	0.06	0.3	0.717	0.008	0.29	3.8	1.5	0.63	106	1.00	0.01	1.7	7.4	220
R607939		1.73	0.07	0.3	0.515	0.009	0.29	5.9	1.6	0.64	89	0.88	0.01	1.8	7.3	260
R607940		2.02	0.08	0.4	0.516	0.006	0.32	6.8	1.7	0.46	84	1.02	0.01	2.1	7.7	280

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 18- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16154027

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R607901		117.0	57.0	0.002	0.06	3.47	7.4	3	1.2	209	0.58	0.06	6.14	0.240	1.07	3.4
R607902		36.6	42.3	<0.002	0.02	2.51	5.6	2	0.8	195.5	0.42	0.05	4.42	0.174	0.76	2.6
R607903		18.6	33.5	<0.002	0.02	2.35	4.1	3	0.6	193.0	0.31	<0.05	3.29	0.121	0.90	2.5
R607904		41.5	121.5	0.011	0.14	7.01	12.4	5	1.7	104.0	1.10	0.10	10.65	0.373	1.92	5.8
R607905		31.9	141.0	0.013	0.24	6.38	12.7	6	2.0	87.8	1.23	0.11	11.75	0.409	2.61	5.8
R607906		19.5	135.5	0.007	0.47	4.45	12.2	7	1.9	81.7	1.18	0.10	11.05	0.394	2.41	4.8
R607907		23.8	130.5	0.008	0.55	4.12	12.6	6	1.9	81.9	1.19	0.09	10.65	0.388	2.21	4.7
R607908		18.2	131.5	0.006	0.73	4.05	12.3	5	1.9	81.3	1.25	0.09	10.85	0.385	2.01	4.7
R607909		17.9	135.5	0.007	1.13	3.79	12.6	6	2.0	84.2	1.10	0.10	10.65	0.368	2.64	4.6
R607910		20.5	137.0	0.007	1.69	4.19	12.0	6	1.9	97.7	1.06	0.10	11.00	0.365	3.90	4.7
R607911		27.1	133.5	0.007	0.92	5.00	13.0	6	2.0	93.6	1.16	0.10	11.10	0.384	2.77	5.2
R607912		22.2	91.5	0.007	1.47	5.44	9.0	5	1.4	195.0	0.98	0.06	8.03	0.298	3.20	4.5
R607913		28.3	103.5	0.008	1.71	5.11	10.4	6	1.6	127.0	1.11	0.08	9.04	0.335	3.52	4.6
R607914		21.6	90.2	0.008	2.03	5.33	9.8	6	1.5	159.5	1.07	0.08	8.57	0.310	4.73	4.9
R607915		18.5	115.5	0.007	2.66	4.15	11.7	5	1.8	112.0	1.12	0.10	9.69	0.358	7.21	4.5
R607916		25.8	120.5	0.005	1.67	4.81	12.0	6	1.9	111.5	1.06	0.11	9.88	0.354	5.55	4.6
R607917		17.2	134.0	0.005	3.18	3.38	12.8	4	2.0	86.1	1.12	0.11	10.55	0.388	10.00	4.2
R607918		19.8	127.0	0.007	2.78	3.52	12.5	5	1.9	94.0	1.10	0.08	10.35	0.369	6.99	4.1
R607919		26.9	123.0	0.005	1.99	4.48	12.9	5	1.9	106.5	1.15	0.08	10.50	0.372	5.67	4.4
R607920		21.9	95.3	0.005	1.65	4.27	10.2	6	1.5	152.5	1.03	0.07	8.46	0.315	5.59	3.9
R607921		17.7	81.9	0.006	1.56	5.57	8.1	6	1.3	131.0	0.95	0.05	7.41	0.282	5.27	4.3
R607922		16.5	119.0	0.005	1.82	5.01	11.6	5	1.8	109.5	1.12	0.09	9.75	0.359	5.96	4.3
R607923		18.5	122.5	0.005	2.90	12.30	12.0	6	1.9	109.5	1.09	0.11	9.80	0.369	6.99	4.1
R607924		22.5	113.5	0.005	2.75	7.71	11.9	6	1.8	102.0	1.08	0.10	9.71	0.346	8.61	4.2
R607925		17.3	110.0	0.005	2.26	5.56	11.4	5	1.7	114.5	1.05	0.10	9.10	0.343	7.02	4.1
R607926		21.4	103.0	0.005	2.32	5.96	10.6	6	1.6	123.0	1.08	0.10	8.79	0.324	10.00	4.5
R607927		24.1	103.5	0.005	2.02	5.90	11.0	6	1.7	109.5	1.01	0.07	8.76	0.325	9.52	4.1
R607928		23.0	120.0	0.007	2.18	5.34	11.5	5	1.9	102.0	1.09	0.09	8.76	0.358	10.60	4.1
R607929		19.1	123.5	0.008	1.89	4.82	11.6	5	1.9	105.5	1.07	0.12	8.90	0.355	10.55	4.1
R607930		21.3	117.0	0.007	2.18	5.46	11.7	5	1.9	103.0	1.01	0.12	8.53	0.342	13.80	3.9
R607931		22.9	111.0	0.005	2.47	7.34	11.5	6	1.8	125.0	0.98	0.10	7.87	0.324	14.00	3.8
R607932		20.3	108.0	0.006	1.96	6.54	11.1	6	1.8	130.0	1.01	0.11	8.15	0.330	11.70	4.0
R607933		18.3	106.0	0.007	1.73	5.72	10.9	5	1.7	111.0	0.99	0.08	8.13	0.326	9.16	3.9
R607934		18.8	110.0	0.006	1.49	5.71	10.9	6	1.9	114.0	1.04	0.10	8.24	0.342	10.00	3.9
R607935		15.4	90.7	0.007	0.64	5.10	8.5	4	1.5	138.5	0.82	0.08	6.47	0.283	11.55	3.7
R607936		9.5	30.4	0.003	0.26	2.09	4.6	2	0.5	150.5	0.27	<0.05	2.23	0.088	4.65	4.3
R607937		7.6	24.2	0.002	0.27	1.64	3.3	2	0.5	151.0	0.21	<0.05	1.76	0.068	2.82	4.0
R607938		4.0	12.6	0.003	0.16	0.85	1.6	1	0.3	162.0	0.11	<0.05	1.01	0.039	1.41	2.5
R607939		3.4	12.7	0.003	0.19	0.86	1.5	2	0.3	167.0	0.11	<0.05	1.00	0.038	1.25	3.2
R607940		4.2	14.8	0.003	0.22	0.95	1.6	2	0.3	157.0	0.12	<0.05	1.13	0.042	1.44	3.8

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CERTIFICATE OF ANALYSIS WH16154027

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- AA26 Au ppm 0.01
R607901		211	1.3	19.4	295	64.8	0.01
R607902		126	1.6	15.6	190	46.4	0.02
R607903		95	1.9	12.6	116	36.3	0.02
R607904		346	3.6	30.9	452	108.5	0.01
R607905		413	2.9	29.8	429	115.5	0.01
R607906		432	3.7	28.5	390	112.0	0.01
R607907		400	2.6	31.0	437	116.5	<0.01
R607908		393	2.2	29.0	370	112.5	<0.01
R607909		404	2.4	25.7	350	112.0	0.01
R607910		399	3.3	29.5	364	110.0	0.01
R607911		400	2.9	29.3	418	112.5	0.01
R607912		392	5.0	27.6	332	94.3	0.01
R607913		357	4.3	27.8	503	101.5	<0.01
R607914		370	4.2	29.6	358	107.0	<0.01
R607915		354	3.8	25.3	321	106.0	0.01
R607916		344	3.2	26.1	356	105.0	0.01
R607917		335	3.5	23.4	276	108.0	<0.01
R607918		332	5.2	22.8	275	102.5	0.01
R607919		353	8.7	24.4	271	110.0	0.01
R607920		325	7.8	23.3	196	95.4	0.01
R607921		401	6.6	24.4	302	88.0	0.01
R607922		393	8.3	24.8	265	107.0	0.01
R607923		369	9.2	23.7	290	105.5	0.02
R607924		341	9.8	24.1	304	102.0	0.01
R607925		363	8.1	24.1	351	100.0	0.01
R607926		395	8.5	26.2	296	101.0	0.01
R607927		368	8.8	23.8	328	99.9	0.01
R607928		373	10.8	26.4	304	105.5	0.01
R607929		360	11.2	26.0	270	104.5	0.01
R607930		353	10.6	25.4	267	102.0	0.07
R607931		348	10.4	24.8	321	97.6	0.22
R607932		347	11.2	24.7	230	98.5	0.14
R607933		328	11.2	23.5	189	97.5	0.13
R607934		342	12.2	24.1	230	102.5	0.16
R607935		282	11.6	20.5	296	86.5	0.26
R607936		92	4.1	13.3	145	31.0	0.38
R607937		71	2.6	8.8	106	22.9	0.18
R607938		40	1.4	4.8	64	12.6	0.06
R607939		41	1.3	7.6	57	12.7	0.03
R607940		45	1.4	8.2	49	14.3	0.03

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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Finalized Date: 18- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16154027

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R607941		3.10	0.33	0.68	254	240	0.38	0.04	33.4	0.34	9.62	1.6	13	2.39	9.3	0.42
R607942		3.36	0.20	0.40	146.0	230	0.21	0.03	34.3	0.28	6.69	1.1	9	1.50	5.8	0.26
R607943		3.02	0.47	1.05	351	300	0.43	0.06	29.5	0.57	14.10	2.0	18	3.84	13.1	0.63
R607944		3.08	0.21	0.51	129.0	250	0.25	0.03	34.4	0.29	8.38	1.2	11	2.08	6.7	0.30
R607945		3.34	0.06	0.21	31.0	150	0.12	0.02	34.0	0.10	5.20	0.7	6	0.89	3.0	0.13
R607946		2.76	0.09	0.25	46.9	260	0.10	0.02	35.2	0.12	5.41	0.7	7	1.03	3.1	0.15
R607947		3.30	0.06	0.15	19.0	180	0.06	0.02	34.7	0.10	4.71	0.6	5	0.64	3.0	0.09
R607948		2.98	0.03	0.15	17.7	170	0.07	0.02	35.2	0.11	4.54	0.6	5	0.65	2.5	0.09
R607949		3.02	0.05	0.13	20.1	170	0.08	0.02	36.0	0.09	4.68	0.6	5	0.52	2.2	0.09
R607950		3.06	0.04	0.14	31.1	150	0.11	0.02	36.0	0.12	4.76	0.6	5	0.52	2.1	0.09
R607951		2.80	0.03	0.16	40.0	150	0.12	0.02	37.0	0.09	3.89	0.7	4	0.55	1.8	0.10
R607952		2.78	0.05	0.31	44.9	140	0.18	0.03	34.7	0.12	4.64	0.9	6	1.09	3.3	0.17
R607953		3.60	0.16	0.84	97.1	210	0.33	0.04	32.2	0.26	9.68	1.8	13	3.02	7.7	0.42
R607954		2.74	0.73	2.36	239	640	0.72	0.09	21.8	8.22	31.3	5.7	29	2.65	20.0	1.69
R607955		2.66	0.24	1.63	187.0	400	0.57	0.07	28.4	2.08	21.6	4.2	19	1.86	14.4	1.17
R607956		2.80	0.64	4.07	191.5	860	1.03	0.16	12.85	0.79	48.3	2.4	60	9.56	12.2	1.24
R607957		2.48	0.60	5.51	489	1010	1.96	0.20	0.54	1.10	65.3	6.3	83	17.00	73.3	2.64
R607958		2.66	0.52	6.22	218	1070	1.90	0.26	0.26	0.21	72.3	4.8	89	21.2	45.9	2.24
R607959		2.78	0.53	6.29	282	1230	1.85	0.27	0.13	0.60	73.3	4.4	91	22.1	31.0	2.52
R607960		3.36	0.54	5.98	134.0	390	2.73	0.24	0.77	2.32	68.3	12.4	84	22.0	80.3	3.23
R607961		3.98	0.53	5.97	115.0	320	2.24	0.27	0.79	1.74	67.9	11.6	87	23.9	77.9	3.36
R607962		3.10	0.54	6.27	178.0	280	2.54	0.27	0.60	1.96	71.0	12.7	90	23.9	86.4	3.44
R607963		3.42	0.53	6.31	644	280	3.00	0.26	0.60	2.87	70.5	10.6	91	21.8	109.5	3.23
R607964		3.22	0.59	6.02	259	490	2.83	0.25	0.93	3.55	67.8	11.2	89	22.0	98.8	2.55
R607965		3.32	0.55	6.01	117.5	400	2.93	0.27	1.07	3.94	69.8	12.0	87	22.9	82.6	2.58
R607966		3.28	0.57	4.74	181.0	370	2.33	0.17	2.35	3.80	59.0	9.9	78	16.35	65.5	3.04

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Finalized Date: 18- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16154027

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R607941		1.93	0.06	0.3	0.410	0.007	0.30	7.0	1.7	0.31	85	1.02	0.01	1.9	8.0	240
R607942		1.11	0.08	0.2	0.267	<0.005	0.18	5.6	1.2	0.31	67	0.64	0.01	1.2	5.1	240
R607943		2.83	0.08	0.5	0.730	0.013	0.47	9.1	2.4	0.51	107	1.57	0.01	3.0	11.2	360
R607944		1.41	0.08	0.2	0.348	0.007	0.23	6.6	1.3	0.35	58	0.87	0.01	1.4	5.8	200
R607945		0.59	0.06	0.1	0.087	<0.005	0.09	5.6	0.8	1.11	31	0.49	<0.01	0.6	3.0	170
R607946		0.66	0.07	0.1	0.131	<0.005	0.11	5.4	0.9	0.44	36	0.53	<0.01	0.7	3.0	140
R607947		0.43	0.07	0.1	0.077	<0.005	0.07	5.5	0.6	1.02	28	0.39	<0.01	0.4	2.2	170
R607948		0.46	0.06	0.1	0.056	<0.005	0.07	5.5	0.6	0.69	29	0.34	<0.01	0.4	2.1	140
R607949		0.43	0.06	0.1	0.050	<0.005	0.06	5.5	0.6	0.43	29	0.28	<0.01	0.4	2.0	120
R607950		0.43	0.07	0.1	0.058	<0.005	0.06	5.4	0.7	0.38	37	0.36	<0.01	0.4	2.1	120
R607951		0.45	0.07	0.1	0.066	0.005	0.07	3.6	0.7	0.35	51	1.57	<0.01	0.4	2.5	170
R607952		0.84	0.08	0.1	0.066	<0.005	0.15	3.0	1.1	0.57	45	3.27	0.01	0.7	5.2	250
R607953		2.22	0.07	0.4	0.117	0.007	0.38	5.3	2.3	1.50	60	4.79	0.01	2.0	13.9	410
R607954		6.14	0.10	1.1	3.35	0.025	0.82	18.8	13.2	1.67	337	3.57	0.15	4.9	34.3	530
R607955		4.24	0.08	0.7	0.377	0.014	0.51	10.7	8.1	0.67	230	1.36	0.18	3.3	25.1	340
R607956		11.40	0.13	2.0	0.961	0.038	1.75	26.3	10.1	0.50	100	2.65	0.07	11.9	19.0	360
R607957		15.95	0.14	2.6	0.762	0.045	2.32	36.8	13.4	0.40	97	6.75	0.03	18.6	51.8	1530
R607958		17.90	0.17	2.9	0.561	0.050	2.76	40.1	13.1	0.48	31	6.41	0.03	20.0	34.1	920
R607959		18.25	0.19	2.8	0.594	0.053	2.72	39.9	12.8	0.47	27	5.46	0.03	18.9	36.2	1150
R607960		16.50	0.18	2.9	0.482	0.058	2.58	37.1	12.6	0.64	202	5.80	0.03	19.1	66.7	1230
R607961		16.60	0.15	2.7	0.511	0.058	2.62	36.8	13.0	0.65	224	7.15	0.04	19.8	70.3	1160
R607962		17.20	0.18	2.8	0.467	0.063	2.75	38.1	13.7	0.60	209	6.24	0.04	18.7	64.7	1180
R607963		17.35	0.17	2.8	0.564	0.064	2.65	37.7	12.9	0.57	152	5.62	0.03	17.8	70.1	1400
R607964		16.95	0.20	2.7	0.597	0.073	2.52	36.8	13.0	0.66	160	5.77	0.03	19.5	71.4	1320
R607965		17.00	0.20	2.8	0.599	0.061	2.54	39.0	14.3	0.71	178	5.82	0.03	22.4	73.6	1470
R607966		13.05	0.18	2.4	0.592	0.048	1.95	32.8	15.3	0.99	290	6.50	0.03	18.6	77.7	1990

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Finalized Date: 18- OCT- 2016
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CERTIFICATE OF ANALYSIS WH16154027

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R607941		3.5	13.8	0.002	0.21	0.87	1.6	1	0.3	155.0	0.12	<0.05	1.06	0.041	1.29	4.3
R607942		2.3	8.2	<0.002	0.13	0.57	0.9	2	0.2	140.0	0.07	<0.05	0.65	0.025	0.76	4.9
R607943		4.9	21.3	0.002	0.35	1.22	2.3	2	0.4	129.5	0.19	<0.05	1.61	0.063	1.95	4.6
R607944		2.6	10.4	0.002	0.15	0.61	1.1	2	0.2	141.0	0.09	<0.05	0.85	0.031	0.86	3.6
R607945		1.4	4.3	<0.002	0.07	0.27	0.5	1	<0.2	128.0	<0.05	<0.05	0.37	0.013	0.25	3.4
R607946		1.5	4.8	0.002	0.08	0.28	0.6	1	<0.2	127.0	0.05	<0.05	0.43	0.016	0.35	3.7
R607947		1.0	3.1	<0.002	0.05	0.21	0.4	1	<0.2	129.0	<0.05	<0.05	0.28	0.009	0.18	3.3
R607948		0.9	3.1	0.002	0.05	0.19	0.3	1	<0.2	135.0	<0.05	<0.05	0.26	0.010	0.19	3.2
R607949		1.0	2.7	0.002	0.04	0.18	0.3	1	<0.2	138.0	<0.05	<0.05	0.24	0.008	0.20	3.2
R607950		1.1	2.8	0.002	0.04	0.23	0.4	2	<0.2	148.5	<0.05	<0.05	0.26	0.009	0.20	3.4
R607951		1.0	3.1	0.003	0.03	0.22	0.5	2	<0.2	165.5	<0.05	<0.05	0.27	0.009	0.24	3.7
R607952		1.4	6.2	0.004	0.10	0.34	0.7	1	0.2	174.5	0.05	<0.05	0.51	0.018	0.34	4.6
R607953		3.2	16.7	0.011	0.27	0.66	1.7	1	0.3	179.0	0.13	<0.05	1.27	0.048	0.82	6.7
R607954		160.0	39.8	0.002	0.03	3.48	5.1	3	0.8	266	0.33	<0.05	3.51	0.149	1.26	2.8
R607955		21.0	24.6	0.002	<0.01	1.38	3.9	2	0.6	162.0	0.24	<0.05	2.50	0.108	0.46	2.0
R607956		19.1	84.2	0.007	0.12	2.99	7.4	3	1.5	129.0	0.76	0.07	5.79	0.279	2.70	2.6
R607957		19.2	113.5	0.012	0.24	4.99	9.0	3	1.7	160.0	1.17	0.09	7.35	0.356	6.97	4.8
R607958		17.8	132.5	0.012	0.28	4.33	10.3	4	2.1	128.5	1.22	0.10	8.98	0.403	6.20	3.9
R607959		18.3	133.5	0.008	0.40	4.67	12.3	12	2.1	223	1.15	0.09	9.97	0.394	5.88	3.6
R607960		15.8	126.0	0.006	1.81	4.08	11.7	5	2.0	130.5	1.23	0.10	9.28	0.383	4.58	4.5
R607961		18.2	126.0	0.007	2.04	4.06	11.4	6	2.0	102.5	1.18	0.08	9.39	0.388	5.87	4.4
R607962		15.9	134.5	0.007	2.12	3.43	12.6	4	2.0	87.6	1.14	0.09	9.72	0.393	5.45	4.5
R607963		15.4	129.5	0.008	2.31	3.19	12.8	5	2.0	92.1	1.11	0.08	9.79	0.374	4.78	5.7
R607964		18.1	123.0	0.007	1.78	3.83	11.9	5	1.9	76.4	1.12	0.09	10.25	0.362	3.84	5.2
R607965		13.5	125.0	0.006	1.82	3.73	11.9	4	1.9	85.1	1.22	0.09	10.35	0.382	5.07	5.5
R607966		16.1	92.4	0.006	1.92	5.25	9.1	6	1.4	156.0	1.05	0.05	7.75	0.295	4.18	4.8

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CERTIFICATE OF ANALYSIS WH16154027

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- AA26 Au ppm 0.01
R607941		44	1.3	8.8	50	13.7	0.02
R607942		28	0.8	8.0	39	8.8	0.02
R607943		62	1.9	10.5	79	20.7	0.04
R607944		32	0.9	9.1	43	10.3	0.01
R607945		14	0.3	8.4	16	4.5	<0.01
R607946		17	0.4	7.9	20	5.0	0.01
R607947		11	0.2	8.4	14	3.3	<0.01
R607948		12	0.2	8.3	16	3.4	<0.01
R607949		10	0.2	8.6	11	3.0	<0.01
R607950		11	0.2	8.7	18	3.3	<0.01
R607951		10	0.2	5.8	17	3.5	<0.01
R607952		16	0.3	4.1	20	6.2	<0.01
R607953		40	0.8	6.5	41	15.1	<0.01
R607954		132	0.8	16.2	513	42.2	0.01
R607955		56	0.8	10.7	132	27.7	<0.01
R607956		215	4.1	13.1	60	83.3	0.01
R607957		445	4.2	22.5	247	111.0	0.01
R607958		388	4.3	18.2	152	119.0	<0.01
R607959		380	5.0	19.0	137	118.5	0.01
R607960		380	5.4	29.7	395	114.5	0.01
R607961		382	2.5	28.5	360	116.0	0.01
R607962		381	3.0	29.2	356	112.5	<0.01
R607963		385	6.2	31.7	280	114.0	<0.01
R607964		369	5.1	29.1	348	114.0	0.01
R607965		445	3.4	30.9	391	119.0	<0.01
R607966		412	3.5	32.0	375	98.0	0.01

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 18- OCT- 2016
Account: RCM

Project: NADALEEN

CERTIFICATE OF ANALYSIS WH16154027

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA26	CRU- 31	Hg- MS42	LOG- 21
ME- MS61	PUL- 31	PUL- QC	SPL- 21
WEI- 21			

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Finalized Date: 17- OCT- 2016
Account: RCM

CERTIFICATE WH16154025

Project: Nadaleen

P.O. No.: N16- B13

This report is for 84 Rock samples submitted to our lab in Whitehorse, YT, Canada on 13- SEP- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
CRU- QC	Crushing QC Test
PUL- 31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES

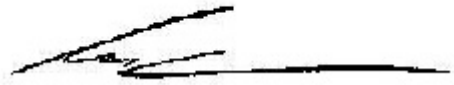
ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16154025

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R607967		3.54	0.52	4.53	234	570	2.13	0.18	2.74	2.44	57.3	8.7	75	14.25	61.7	3.71
R607968		3.34	0.50	5.42	200	900	2.71	0.22	1.55	1.83	61.2	9.5	87	17.60	69.3	2.82
R607969		3.66	0.54	5.68	260	740	3.14	0.24	1.29	1.93	65.8	10.9	87	18.75	71.1	3.31
R607970		3.46	0.59	5.56	404	700	2.97	0.24	1.32	1.62	65.8	11.2	85	19.25	72.4	3.61
R607971		2.90	0.58	5.67	837	650	3.18	0.27	0.98	1.29	64.9	10.1	84	19.65	75.7	3.21
R607972		3.82	1.13	5.99	1300	530	2.94	0.28	0.65	1.25	66.4	10.5	92	19.10	80.1	3.94
R607973		3.52	3.29	5.74	2740	680	2.66	0.27	1.19	1.89	62.7	10.1	87	17.15	79.0	3.24
R607974		3.32	1.47	5.28	1140	800	2.54	0.22	1.43	1.56	59.8	9.2	87	16.30	69.7	2.58
R607975		3.22	2.29	3.93	1805	610	1.80	0.17	2.65	1.73	47.2	13.5	67	9.79	65.9	4.05
R607976		2.82	1.91	4.86	1165	750	2.32	0.20	2.07	1.66	54.7	14.7	77	11.65	64.9	3.65
R607977		2.80	1.65	5.12	1115	790	2.28	0.20	2.13	1.95	58.5	13.6	82	13.50	68.3	3.77
R607978		3.04	1.75	4.47	1190	690	2.06	0.18	2.47	2.10	50.1	19.8	73	10.85	67.4	4.78
R607979		3.16	1.67	4.60	1635	730	1.93	0.19	2.53	1.52	51.9	15.1	76	11.65	67.4	4.15
R607980		3.28	1.58	5.17	1060	780	2.33	0.22	1.66	1.65	58.7	11.9	83	14.90	75.5	3.02
R607981		2.84	2.58	5.47	1055	780	2.18	0.22	1.02	1.47	59.6	10.8	81	15.55	70.9	2.98
R607982		3.00	3.05	5.20	1265	790	2.06	0.20	1.32	1.70	55.6	11.8	80	13.45	66.0	3.12
R607983		3.14	3.72	5.38	1590	770	1.95	0.20	1.56	1.95	57.5	14.8	83	13.75	66.4	3.66
R607984		2.86	3.83	4.84	1715	660	1.94	0.18	2.13	2.32	52.4	12.9	76	11.65	57.7	3.36
R607985		2.90	3.01	4.58	1405	650	2.07	0.18	3.09	2.43	52.0	12.7	70	11.50	57.3	3.08
R607986		2.70	3.16	4.79	1560	650	1.71	0.19	3.10	1.49	50.7	12.3	72	10.60	57.1	3.39
R607987		3.16	3.64	4.00	1645	520	1.35	0.16	6.87	2.79	46.0	12.1	66	11.25	54.2	3.47
R607988		2.84	2.16	2.42	963	400	1.07	0.11	18.15	2.88	27.2	9.2	39	7.58	33.1	2.40
R607989		2.62	1.01	1.41	568	360	0.76	0.06	27.3	1.62	15.50	5.6	23	3.70	18.9	1.45
R607990		2.62	0.88	1.43	601	360	0.83	0.07	26.0	0.93	15.50	6.0	23	3.63	21.0	1.42
R607991		2.82	0.96	1.57	618	370	0.75	0.07	27.0	0.80	16.50	6.6	25	3.87	27.3	1.58
R607992		2.70	0.82	1.35	496	380	0.70	0.05	26.7	0.79	15.55	5.7	22	3.46	19.8	1.29
R607993		2.80	0.65	1.20	469	330	0.65	0.05	27.7	0.89	13.70	5.6	20	3.00	16.9	1.24
R607994		2.62	0.67	1.33	450	450	0.75	0.06	27.9	0.91	14.95	5.6	23	3.47	18.4	1.18
R607995		2.36	0.73	1.70	440	360	0.81	0.07	25.0	0.70	17.75	5.4	28	4.13	21.7	1.33
R607996		2.60	0.74	1.43	415	280	0.84	0.06	24.6	1.41	15.50	6.2	24	3.41	20.4	1.29
R607997		2.72	0.72	1.41	410	280	0.73	0.06	25.5	0.43	14.55	6.1	23	3.27	19.4	1.26
R607998		2.68	0.64	1.41	367	270	0.66	0.06	25.1	0.65	14.95	5.2	23	3.49	18.1	1.12
R607999		2.90	0.56	1.28	319	270	0.57	0.05	26.6	0.88	13.70	4.5	21	3.09	17.3	1.07
R608000		2.70	0.70	1.54	303	300	0.74	0.06	24.6	0.81	16.70	4.5	26	3.85	19.8	1.12
Q052251		2.42	0.59	1.33	274	260	0.65	0.06	25.5	0.78	15.55	3.8	22	3.64	18.8	0.98
Q052252		2.60	0.57	1.41	301	280	0.67	0.06	25.2	0.65	16.65	3.9	23	4.07	19.4	1.03
Q052253		2.74	0.58	1.65	292	320	0.71	0.06	24.7	1.04	19.35	3.8	26	4.50	21.3	1.01
Q052254		2.58	0.65	2.51	337	460	0.99	0.09	19.90	1.16	27.7	4.5	39	7.43	26.2	1.26
Q052255		2.62	0.64	2.02	314	360	0.88	0.09	21.8	1.41	22.5	4.3	32	5.73	25.0	1.20
Q052257		3.14	0.15	1.11	118.0	480	0.44	0.05	30.4	1.29	14.20	2.7	16	2.04	9.8	0.76

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VANCOUVER BC V6B 1L8

Finalized Date: 17- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16154025

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R607967		12.35	0.11	2.3	0.630	0.044	1.93	29.8	16.5	1.15	318	6.11	0.03	14.6	69.1	1860
R607968		15.00	0.16	2.9	0.738	0.048	2.39	33.3	12.7	0.83	213	5.69	0.03	15.7	57.2	1230
R607969		16.30	0.21	2.7	0.987	0.055	2.53	35.0	12.8	0.77	201	6.79	0.03	16.9	66.0	1170
R607970		15.85	0.19	2.7	1.400	0.051	2.46	35.0	12.0	0.75	213	6.94	0.03	17.2	64.2	1130
R607971		17.10	0.18	2.7	1.295	0.057	2.61	35.0	11.7	0.65	131	5.34	0.03	15.4	53.9	920
R607972		17.45	0.17	2.8	2.99	0.062	2.75	35.4	11.6	0.57	94	4.68	0.03	14.9	54.9	830
R607973		16.30	0.22	2.7	4.94	0.052	2.53	34.1	11.6	0.70	179	4.87	0.03	15.3	52.2	950
R607974		15.45	0.19	2.6	3.29	0.049	2.32	32.8	10.6	0.74	182	4.92	0.03	14.7	54.5	1290
R607975		10.95	0.16	1.9	2.30	0.050	1.76	24.8	8.5	1.10	516	4.89	0.02	12.1	66.1	1380
R607976		13.85	0.18	2.3	2.07	0.062	2.19	29.1	9.1	1.00	533	4.84	0.03	13.5	61.6	1050
R607977		14.70	0.19	2.3	2.69	0.056	2.30	30.9	9.9	1.06	460	5.58	0.03	14.6	62.0	1060
R607978		13.00	0.12	2.1	2.63	0.075	2.01	26.7	9.2	1.13	738	5.04	0.02	12.9	73.5	1060
R607979		12.75	0.14	2.2	2.67	0.055	2.05	26.8	9.3	1.04	587	4.63	0.02	12.5	63.6	1010
R607980		14.90	0.18	2.5	2.58	0.055	2.33	31.3	10.6	0.81	395	5.01	0.03	14.5	57.6	1000
R607981		15.80	0.20	2.6	3.02	0.057	2.50	32.3	10.5	0.64	287	5.04	0.03	14.6	52.7	870
R607982		14.55	0.19	2.4	2.71	0.055	2.36	29.5	10.0	0.68	353	4.64	0.03	13.4	53.6	910
R607983		15.20	0.19	2.5	2.79	0.057	2.44	31.2	10.3	0.72	460	4.96	0.03	14.2	61.9	970
R607984		13.65	0.23	2.2	3.12	0.047	2.17	27.8	10.0	0.67	403	4.83	0.02	13.1	58.9	1000
R607985		13.55	0.22	2.2	3.78	0.052	2.04	28.6	10.1	0.68	434	5.00	0.02	13.1	58.6	990
R607986		12.95	0.24	2.2	6.23	0.047	2.16	26.9	9.0	0.70	469	5.93	0.02	12.9	59.4	1030
R607987		10.70	0.17	1.9	8.23	0.047	1.77	22.4	8.1	0.66	532	5.39	0.02	11.3	54.7	980
R607988		6.68	<0.05	1.2	5.07	0.038	1.07	14.1	5.3	0.42	481	3.31	0.01	6.8	38.0	640
R607989		3.88	<0.05	0.7	1.725	0.019	0.65	8.3	3.2	0.34	321	2.01	0.01	3.8	25.1	460
R607990		4.08	<0.05	0.7	1.045	0.021	0.66	8.5	3.2	0.38	288	1.96	0.01	4.0	23.4	410
R607991		4.46	0.07	0.7	1.000	0.023	0.71	9.4	3.6	0.41	295	2.61	0.01	4.3	29.4	400
R607992		3.96	0.08	0.7	0.842	0.023	0.63	10.1	3.5	0.36	245	1.89	0.01	3.8	23.1	340
R607993		3.48	0.08	0.6	0.783	0.021	0.55	9.1	3.2	0.33	233	1.84	0.01	3.3	25.4	330
R607994		3.93	0.10	0.7	0.823	0.019	0.61	9.6	3.0	0.36	218	2.17	0.01	3.7	26.9	330
R607995		4.69	0.13	0.8	0.886	0.023	0.77	10.8	3.9	0.42	221	1.98	0.01	4.6	22.6	390
R607996		4.04	0.14	0.7	1.065	0.025	0.66	9.5	3.4	1.06	226	1.71	0.01	4.0	22.6	350
R607997		3.92	0.13	0.7	0.583	0.029	0.65	9.0	3.4	1.79	212	1.52	0.01	3.7	21.8	340
R607998		4.02	0.15	0.7	0.504	0.018	0.65	9.3	3.5	1.83	175	1.60	0.01	3.9	19.7	350
R607999		3.55	0.12	0.6	0.586	0.017	0.60	8.7	3.1	1.75	185	1.41	0.01	3.5	17.4	350
R608000		4.34	0.18	0.8	0.671	0.022	0.70	10.1	3.9	1.54	178	1.83	0.01	4.4	19.2	380
Q052251		3.90	0.11	0.7	0.614	0.018	0.61	9.8	2.9	1.79	155	1.70	0.01	4.3	17.4	350
Q052252		4.23	0.10	0.7	0.602	0.020	0.65	10.1	3.2	1.73	150	1.79	0.01	4.6	17.6	360
Q052253		4.74	0.12	0.8	0.628	0.019	0.75	11.0	3.6	1.57	160	1.73	0.01	5.3	18.0	390
Q052254		7.49	0.14	1.2	0.789	0.027	1.13	16.0	5.6	1.48	161	2.46	0.01	8.4	22.9	490
Q052255		5.96	0.13	1.0	0.925	0.023	0.91	13.4	4.2	1.89	187	2.02	0.02	6.4	20.9	450
Q052257		3.00	0.10	0.5	0.121	0.010	0.41	8.9	5.8	1.21	187	1.09	0.06	2.7	11.1	260

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Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16154025

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R607967		18.6	89.7	0.006	2.41	4.73	8.4	6	1.3	173.0	0.94	0.08	7.60	0.286	4.87	4.6
R607968		14.9	111.5	0.007	1.76	3.43	10.2	5	1.7	116.5	0.96	0.10	9.04	0.332	4.39	4.2
R607969		18.3	120.0	0.007	2.37	4.23	11.4	6	1.9	99.9	1.06	0.09	9.85	0.355	5.99	4.5
R607970		18.3	117.5	0.004	2.71	4.87	11.6	5	1.9	86.2	1.07	0.05	9.61	0.356	7.55	4.3
R607971		16.0	125.5	0.003	2.51	4.18	11.8	4	1.9	78.3	0.96	0.13	9.77	0.346	7.05	4.0
R607972		23.2	127.0	0.005	3.64	6.51	12.0	4	1.9	64.9	0.93	0.09	9.77	0.353	22.6	3.9
R607973		23.1	119.0	0.006	2.56	8.79	11.6	3	1.9	78.1	0.98	0.15	9.50	0.350	33.2	3.9
R607974		18.4	110.5	0.006	1.78	6.62	10.3	5	1.6	82.6	0.91	0.09	8.72	0.322	17.35	4.0
R607975		18.3	77.1	0.005	2.13	7.37	9.2	4	1.2	134.5	0.73	0.07	6.50	0.247	10.50	3.5
R607976		14.5	97.4	0.003	1.54	5.64	10.7	4	1.5	121.5	0.85	0.09	8.06	0.300	8.44	3.6
R607977		15.7	103.5	0.004	2.05	6.59	10.9	4	1.6	121.0	0.90	0.10	8.54	0.310	12.05	3.8
R607978		15.7	90.4	0.004	2.22	6.40	10.9	5	1.4	147.5	0.79	0.08	7.41	0.273	12.65	3.4
R607979		16.6	91.2	0.004	2.06	5.91	10.4	4	1.5	142.5	0.81	0.07	7.63	0.287	13.30	3.4
R607980		15.0	109.5	0.006	1.56	5.57	11.0	5	1.7	108.0	0.90	0.12	8.63	0.314	10.30	3.7
R607981		21.6	114.0	0.008	1.03	6.62	11.1	4	1.7	97.3	0.92	0.11	8.62	0.327	10.20	3.5
R607982		19.2	104.5	0.002	0.78	6.94	10.4	4	1.6	106.0	0.88	0.12	8.11	0.302	9.86	3.3
R607983		17.8	106.5	0.006	0.81	7.93	10.6	4	1.6	118.0	0.90	0.09	8.49	0.314	10.45	3.6
R607984		14.5	95.7	0.005	0.60	7.48	9.7	4	1.5	112.0	0.84	0.06	7.75	0.288	8.37	3.3
R607985		15.2	97.0	0.005	0.85	6.15	9.8	4	1.5	114.0	0.79	0.09	7.57	0.279	9.18	3.3
R607986		19.3	91.7	0.005	0.80	5.28	9.4	5	1.4	92.8	0.83	0.11	7.67	0.295	11.95	3.5
R607987		20.1	77.0	0.005	0.85	5.69	8.7	5	1.3	125.0	0.72	0.07	6.61	0.245	10.45	3.5
R607988		14.4	44.9	0.004	0.70	4.15	5.8	3	0.8	150.0	0.42	0.06	4.09	0.146	6.44	3.2
R607989		6.8	25.8	0.003	0.40	2.85	3.6	1	0.5	140.0	0.24	<0.05	2.33	0.085	3.11	3.0
R607990		6.4	26.8	<0.002	0.42	2.68	3.6	1	0.5	136.0	0.24	0.05	2.35	0.083	2.92	2.6
R607991		9.5	32.6	0.003	0.67	2.88	4.1	2	0.5	142.0	0.27	0.06	2.40	0.092	3.47	2.7
R607992		5.8	28.8	0.003	0.47	2.22	3.6	2	0.5	142.0	0.24	<0.05	2.10	0.080	2.88	3.0
R607993		5.6	24.8	0.004	0.45	2.03	3.3	1	0.4	122.5	0.20	<0.05	1.83	0.069	2.45	2.8
R607994		5.5	27.9	<0.002	0.39	2.23	3.4	2	0.4	121.0	0.24	<0.05	2.08	0.080	2.68	2.8
R607995		6.0	34.3	<0.002	0.55	2.22	3.8	2	0.5	127.5	0.29	<0.05	2.58	0.101	3.69	2.8
R607996		5.0	29.4	<0.002	0.48	2.05	3.4	2	0.5	143.5	0.24	<0.05	2.15	0.083	2.74	2.3
R607997		5.2	27.9	<0.002	0.44	2.09	3.2	2	0.5	137.0	0.25	<0.05	2.12	0.083	2.51	1.9
R607998		5.3	28.9	<0.002	0.40	1.96	3.2	2	0.4	122.5	0.23	<0.05	2.13	0.082	2.26	1.8
R607999		6.8	26.0	<0.002	0.40	1.98	2.9	1	0.4	116.0	0.22	<0.05	1.93	0.078	2.30	1.9
R608000		6.1	32.2	0.002	0.45	2.10	3.6	2	0.5	116.5	0.27	0.05	2.33	0.092	2.83	2.1
Q052251		5.2	28.8	0.002	0.43	1.88	3.1	2	0.5	117.5	0.25	<0.05	2.12	0.079	2.51	2.0
Q052252		5.1	31.6	0.003	0.44	1.91	3.1	2	0.5	116.0	0.25	<0.05	2.24	0.087	2.49	1.9
Q052253		6.1	35.6	0.003	0.36	2.05	3.5	2	0.5	108.0	0.29	<0.05	2.48	0.102	2.90	2.0
Q052254		8.3	55.0	0.004	0.41	2.54	4.9	2	0.8	111.5	0.48	<0.05	3.69	0.158	3.79	2.5
Q052255		7.3	43.8	0.002	0.48	2.37	4.2	2	0.7	112.0	0.36	<0.05	3.01	0.124	3.66	2.3
Q052257		10.2	19.5	<0.002	0.01	0.79	2.6	1	0.4	146.0	0.17	<0.05	1.85	0.070	0.27	1.0

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16154025

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- AA26 Au ppm 0.01
R607967		377	3.1	28.9	321	85.7	<0.01
R607968		354	6.0	24.8	298	97.1	<0.01
R607969		370	7.2	26.2	319	105.0	0.01
R607970		374	7.9	26.5	317	104.5	0.05
R607971		333	8.0	23.4	255	100.0	0.01
R607972		339	8.9	22.9	251	104.5	0.01
R607973		348	9.7	23.7	327	101.0	0.02
R607974		379	8.2	23.5	292	95.4	0.01
R607975		329	6.7	25.9	534	73.6	0.01
R607976		313	7.7	26.1	553	85.7	<0.01
R607977		329	8.1	26.6	531	90.8	0.01
R607978		303	7.7	28.3	890	78.9	0.01
R607979		304	7.9	25.2	627	83.2	<0.01
R607980		341	8.9	24.3	406	89.2	0.01
R607981		337	9.8	21.2	366	93.4	0.09
R607982		326	9.4	21.9	461	91.0	0.18
R607983		345	10.6	23.8	582	91.1	0.17
R607984		315	10.5	21.3	561	84.5	0.17
R607985		292	9.1	21.8	520	84.0	0.12
R607986		303	9.7	21.6	472	81.3	0.26
R607987		262	9.4	22.4	626	71.3	0.32
R607988		161	6.0	17.6	505	42.9	0.28
R607989		94	3.0	12.5	285	24.9	0.12
R607990		94	2.5	11.1	272	25.3	0.05
R607991		97	2.7	12.3	255	31.9	0.02
R607992		87	2.2	13.7	230	27.0	0.02
R607993		77	2.0	14.4	233	23.3	0.02
R607994		84	2.3	14.3	240	26.0	0.02
R607995		104	2.6	13.6	221	31.4	0.02
R607996		87	2.3	13.1	344	26.9	<0.01
R607997		85	2.2	11.9	235	24.9	0.01
R607998		86	2.0	11.6	188	26.2	<0.01
R607999		79	1.9	11.6	197	23.6	<0.01
R608000		96	2.3	12.2	179	30.3	<0.01
Q052251		80	2.1	11.0	157	26.9	<0.01
Q052252		87	2.1	10.9	155	29.6	<0.01
Q052253		102	2.3	11.3	147	33.3	0.01
Q052254		159	3.1	14.1	179	51.8	0.01
Q052255		125	2.8	13.2	194	41.5	0.01
Q052257		38	0.5	11.6	70	20.2	<0.01

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Finalized Date: 17- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16154025

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
Q052258		2.72	0.24	1.05	236	640	0.54	0.04	32.3	1.68	11.95	3.1	12	6.25	9.9	0.61
Q052259		3.26	0.03	0.32	128.0	230	0.28	0.02	35.6	1.32	4.80	0.9	5	1.77	3.5	0.26
Q052260		3.62	0.05	0.67	195.5	240	0.36	0.04	31.3	1.11	9.41	1.6	8	2.91	4.8	0.50
Q052261		2.94	0.17	0.75	437	460	0.67	0.04	32.8	1.65	9.15	5.0	10	4.50	10.2	1.00
Q052262		2.92	0.10	0.58	213	280	0.44	0.03	32.1	1.17	6.38	3.0	7	3.40	6.2	0.54
Q052263		2.94	0.07	0.70	234	980	0.53	0.04	32.6	2.71	8.18	2.1	8	4.05	6.5	0.52
Q052264		3.42	0.11	0.63	128.5	500	0.31	0.03	32.1	1.03	7.54	1.7	8	3.46	5.9	0.34
Q052265		3.70	0.11	0.54	117.0	440	0.27	0.02	32.4	0.88	5.99	1.6	7	2.81	4.9	0.31
Q052266		3.18	0.06	0.37	111.5	280	0.22	0.02	32.2	1.04	4.86	1.2	5	1.69	2.9	0.26
Q052267		2.58	0.03	0.12	60.8	120	0.15	0.01	33.1	0.56	1.71	0.8	2	0.55	2.0	0.13
Q052268		2.62	0.33	0.42	911	580	0.69	0.02	32.6	2.43	4.87	9.1	6	2.87	6.7	1.98
Q052269		2.76	0.16	0.38	387	540	0.44	0.02	32.4	1.28	4.71	5.8	5	1.65	5.0	0.94
Q052270		3.18	0.06	0.23	90.1	130	0.18	0.01	30.6	0.42	2.53	1.4	3	0.73	2.6	0.24
Q052271		3.16	0.05	0.46	92.6	120	0.21	0.02	32.4	0.19	6.09	1.1	5	1.39	2.5	0.28
Q052272		2.72	0.02	0.12	73.6	120	0.13	0.01	29.8	0.42	2.00	1.1	2	0.43	1.9	0.16
Q052273		3.00	0.17	1.10	281	570	0.62	0.05	35.0	1.84	13.10	3.4	13	6.34	5.9	0.57
Q052274		3.82	0.08	0.60	127.0	300	0.34	0.03	32.1	0.71	6.64	1.4	7	2.74	3.7	0.27
Q052275		3.62	0.06	0.33	64.8	180	0.21	0.02	33.0	0.70	3.49	0.8	5	1.45	2.4	0.14
Q052276		3.58	0.08	0.35	83.8	200	0.26	0.01	31.6	0.81	3.73	0.9	5	1.36	2.9	0.17
Q052277		3.70	0.11	0.57	83.5	1130	0.38	0.03	32.8	2.62	6.01	1.1	7	2.83	3.5	0.21
Q052278		2.82	0.99	1.05	129.5	4300	0.65	0.11	32.5	15.50	11.35	2.2	13	5.68	17.9	0.31
Q052279		3.62	0.15	0.44	65.9	710	0.33	0.03	34.3	3.28	4.81	1.2	6	2.48	5.4	0.13
Q052280		3.80	0.10	0.17	48.8	370	0.25	0.02	35.7	2.29	2.26	1.1	3	1.11	3.5	0.11
Q052281		3.10	0.06	0.14	52.7	310	0.24	0.01	35.1	1.66	2.34	1.2	3	1.05	2.4	0.12
Q052282		3.30	0.09	0.15	93.9	290	0.33	0.01	36.1	2.26	2.38	2.6	3	0.96	3.1	0.22
Q052283		3.30	0.51	0.65	186.0	970	0.53	0.03	34.6	2.62	7.98	3.2	9	4.22	6.2	0.42
Q052284		3.34	0.11	0.46	104.0	480	0.34	0.02	33.7	1.90	5.80	1.5	6	1.96	3.2	0.21
Q052285		3.06	0.10	0.28	209	350	0.43	0.02	35.5	1.75	3.93	2.7	4	1.90	3.4	0.32
Q052286		3.32	0.08	0.22	96.1	290	0.25	0.02	34.7	1.40	2.70	1.4	4	1.21	3.5	0.16
Q052287		3.34	0.08	0.16	365	330	0.49	0.01	35.0	1.47	2.46	6.0	3	0.95	3.3	0.63
Q052288		3.60	0.06	0.28	884	390	0.43	0.01	34.3	1.94	3.52	11.0	4	1.67	2.0	1.41
Q052289		3.58	0.05	0.10	183.5	170	0.18	<0.01	35.9	1.24	1.42	2.5	2	0.59	1.7	0.29
Q052290		3.44	0.05	0.27	70.8	130	0.20	0.01	34.5	0.53	3.51	1.3	4	0.86	1.8	0.19
Q052291		3.00	0.02	0.18	70.3	120	0.17	0.01	35.2	0.52	2.39	1.1	3	0.66	1.4	0.13
Q052292		3.30	0.07	0.31	140.0	160	0.36	0.01	34.6	1.37	4.06	1.6	4	1.40	2.5	0.24
Q052293		3.36	0.15	0.22	96.0	190	0.32	0.02	34.9	1.82	3.01	1.2	4	1.30	4.1	0.17
Q052294		3.84	0.14	0.43	146.0	200	0.33	0.02	31.0	1.01	5.27	1.5	6	1.46	3.1	0.27
Q052295		3.38	0.06	0.26	76.6	110	0.27	0.01	35.0	0.48	3.48	1.1	4	0.83	2.1	0.16
Q052296		3.06	0.20	0.47	138.5	160	0.33	0.02	34.5	1.27	4.94	1.7	6	2.13	3.6	0.27
Q052297		3.60	0.21	0.26	68.9	190	0.26	0.01	35.4	1.62	3.36	1.1	4	1.19	3.5	0.12

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Finalized Date: 17- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16154025

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q052258		2.82	0.11	0.4	0.183	0.010	0.41	7.7	6.1	0.27	105	0.77	0.03	1.7	24.6	190
Q052259		0.83	0.12	0.1	0.062	<0.005	0.14	3.9	1.4	0.78	117	0.33	0.01	0.5	6.6	140
Q052260		1.72	0.11	0.3	0.103	0.006	0.31	7.2	2.3	0.46	118	0.52	0.01	1.2	11.8	190
Q052261		2.14	0.11	0.3	0.104	0.005	0.28	6.8	5.0	0.18	92	0.79	0.01	1.1	43.9	140
Q052262		1.64	0.11	0.2	0.070	0.005	0.22	4.3	3.7	0.15	51	0.42	0.01	0.9	28.9	140
Q052263		1.85	0.10	0.3	0.079	0.008	0.32	5.6	3.0	0.23	94	0.67	0.01	1.2	19.6	150
Q052264		1.72	0.12	0.2	0.093	0.007	0.24	4.8	4.5	0.47	55	0.33	0.01	1.0	14.6	130
Q052265		1.43	0.13	0.2	0.071	<0.005	0.21	3.5	3.7	0.62	66	0.28	0.01	0.8	11.7	110
Q052266		1.00	0.12	0.2	0.081	<0.005	0.16	3.3	2.0	0.87	87	0.29	0.01	0.6	7.8	170
Q052267		0.33	0.12	0.1	0.093	<0.005	0.05	1.4	0.9	0.44	52	0.18	<0.01	0.2	4.4	50
Q052268		1.28	0.10	0.2	0.187	<0.005	0.17	3.5	2.1	0.17	120	2.68	0.01	0.6	108.0	130
Q052269		1.00	0.10	0.2	0.140	<0.005	0.17	3.3	1.6	0.96	130	1.32	0.01	0.6	62.7	200
Q052270		0.66	0.10	0.1	0.055	<0.005	0.10	1.4	1.3	3.00	43	0.38	0.01	0.4	10.9	130
Q052271		1.20	0.13	0.2	0.062	0.005	0.22	3.7	2.1	2.85	46	0.39	0.01	0.8	6.8	210
Q052272		0.33	0.15	0.1	0.048	<0.005	0.05	1.7	0.9	4.51	87	0.35	0.01	0.2	8.4	60
Q052273		2.80	0.15	0.5	0.145	0.008	0.44	8.4	6.4	0.42	172	0.72	0.02	1.8	28.5	260
Q052274		1.47	0.19	0.2	0.107	<0.005	0.26	4.4	2.9	1.06	116	0.52	0.01	0.9	10.8	280
Q052275		0.96	0.22	0.1	0.116	<0.005	0.14	2.3	1.7	0.65	54	0.29	0.01	0.5	5.8	110
Q052276		0.90	0.24	0.1	0.113	0.006	0.16	2.3	1.6	1.31	76	0.32	0.01	0.5	5.2	170
Q052277		1.60	0.21	0.2	0.172	<0.005	0.23	3.7	2.9	0.21	107	0.37	0.01	0.8	8.9	530
Q052278		3.02	0.12	0.4	1.485	0.011	0.40	6.9	7.8	0.25	171	0.47	0.01	1.8	17.7	380
Q052279		1.29	0.14	0.2	0.466	<0.005	0.17	3.0	3.1	0.17	63	0.20	0.01	0.7	6.5	220
Q052280		0.59	0.14	0.1	0.171	<0.005	0.07	1.6	1.4	0.19	111	0.20	<0.01	0.3	4.2	70
Q052281		0.49	0.16	0.1	0.328	<0.005	0.06	2.0	1.3	0.45	103	0.20	<0.01	0.3	4.5	50
Q052282		0.48	0.16	0.1	0.194	<0.005	0.06	1.9	1.2	0.33	140	0.30	<0.01	0.3	9.7	70
Q052283		1.90	0.16	0.3	0.172	0.008	0.25	5.3	4.3	0.23	152	0.32	0.01	1.1	19.1	210
Q052284		1.32	0.14	0.2	0.173	0.006	0.21	3.4	2.4	0.99	140	0.28	0.01	0.9	5.7	240
Q052285		0.85	0.14	0.1	0.160	<0.005	0.13	2.7	1.5	0.32	161	0.47	<0.01	0.5	15.5	230
Q052286		0.69	0.13	0.1	0.137	0.005	0.09	1.9	1.7	0.18	83	0.28	<0.01	0.4	6.9	90
Q052287		0.56	0.14	0.1	0.351	<0.005	0.07	1.8	1.1	0.14	189	0.84	<0.01	0.3	40.2	110
Q052288		0.76	0.11	0.1	0.355	<0.005	0.11	2.2	1.5	0.18	144	1.22	<0.01	0.5	104.0	180
Q052289		0.33	0.11	0.1	0.176	<0.005	0.04	1.0	0.8	0.15	54	0.34	<0.01	0.2	18.4	60
Q052290		0.74	0.11	0.1	0.128	<0.005	0.13	2.0	1.6	1.45	38	0.35	0.01	0.5	7.0	130
Q052291		0.58	0.13	0.1	0.133	<0.005	0.09	1.4	1.2	0.73	57	0.27	<0.01	0.4	4.7	100
Q052292		0.95	0.12	0.2	0.150	<0.005	0.15	2.3	1.6	0.78	91	0.47	<0.01	0.6	9.7	150
Q052293		0.71	0.13	0.1	0.191	<0.005	0.10	1.9	1.6	0.60	114	0.31	<0.01	0.4	6.8	100
Q052294		1.30	0.14	0.2	0.262	<0.005	0.20	2.8	2.5	3.13	88	0.53	0.01	0.8	6.5	260
Q052295		0.78	0.15	0.1	0.140	<0.005	0.12	1.9	1.6	1.98	61	0.41	0.01	0.5	3.9	190
Q052296		1.31	0.10	0.2	0.261	0.006	0.22	2.7	2.2	0.57	99	0.38	0.01	0.9	8.4	130
Q052297		0.75	0.11	0.1	0.213	<0.005	0.12	1.9	1.7	0.62	97	0.24	<0.01	0.4	5.7	130

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16154025

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
Q052258		9.9	20.4	<0.002	0.02	0.80	2.5	1	0.4	154.5	0.11	<0.05	1.63	0.048	0.40	1.6
Q052259		3.8	5.9	<0.002	<0.01	0.46	0.9	1	<0.2	118.0	<0.05	<0.05	0.52	0.017	0.08	1.0
Q052260		5.0	13.4	<0.002	0.01	0.70	1.6	1	0.3	112.0	0.07	<0.05	1.06	0.034	0.13	0.9
Q052261		16.9	14.4	<0.002	0.01	1.38	2.2	1	0.3	184.5	0.07	<0.05	1.14	0.030	0.30	1.6
Q052262		10.9	11.3	<0.002	<0.01	0.84	1.5	1	0.2	503	0.06	<0.05	0.86	0.024	0.21	1.0
Q052263		10.2	14.5	<0.002	<0.01	1.23	1.8	1	0.3	137.5	0.07	<0.05	1.05	0.034	0.18	1.0
Q052264		7.5	12.0	<0.002	<0.01	0.48	1.3	1	0.2	150.0	0.07	<0.05	1.00	0.029	0.21	0.8
Q052265		7.1	10.0	<0.002	0.02	0.41	1.2	1	0.2	144.0	0.06	<0.05	0.83	0.025	0.19	0.7
Q052266		6.4	7.0	<0.002	0.01	0.37	1.1	1	0.2	144.0	<0.05	<0.05	0.57	0.018	0.11	1.0
Q052267		5.0	2.2	<0.002	<0.01	0.30	0.4	1	<0.2	99.4	<0.05	<0.05	0.19	0.006	0.06	0.5
Q052268		9.3	7.8	<0.002	<0.01	4.16	1.6	1	0.2	118.0	<0.05	<0.05	0.60	0.017	0.25	1.4
Q052269		8.2	7.0	<0.002	<0.01	3.24	1.1	1	<0.2	107.5	<0.05	<0.05	0.59	0.019	0.20	1.6
Q052270		3.9	4.3	<0.002	<0.01	0.69	0.5	1	<0.2	98.9	<0.05	<0.05	0.36	0.012	0.08	0.8
Q052271		3.8	9.0	<0.002	0.02	0.42	0.9	1	0.2	113.5	0.05	<0.05	0.79	0.026	0.13	1.1
Q052272		3.9	2.1	<0.002	<0.01	0.37	0.3	1	<0.2	86.7	<0.05	<0.05	0.19	0.006	0.10	1.4
Q052273		9.7	20.4	<0.002	<0.01	1.16	2.6	1	0.4	118.0	0.11	<0.05	1.68	0.055	0.36	2.8
Q052274		8.3	10.8	<0.002	0.03	0.60	1.3	1	0.2	107.0	0.06	<0.05	0.90	0.030	0.29	2.0
Q052275		5.0	6.1	<0.002	0.01	0.29	0.9	1	<0.2	119.0	<0.05	<0.05	0.46	0.015	0.11	0.9
Q052276		5.4	6.3	<0.002	0.01	0.36	0.9	1	0.2	118.0	<0.05	<0.05	0.47	0.018	0.10	1.4
Q052277		9.1	10.3	0.002	0.04	0.39	2.0	<1	0.2	124.5	0.05	<0.05	0.82	0.025	0.30	2.0
Q052278		27.0	20.4	<0.002	0.12	1.08	3.3	1	0.4	116.0	0.11	<0.05	1.80	0.048	0.77	2.9
Q052279		11.0	8.8	<0.002	0.02	0.46	1.5	1	0.2	119.5	0.05	<0.05	0.69	0.020	0.25	1.3
Q052280		8.9	3.6	<0.002	0.01	0.20	1.0	1	<0.2	81.9	<0.05	<0.05	0.27	0.008	0.18	1.3
Q052281		5.7	2.8	<0.002	<0.01	0.28	0.6	1	<0.2	78.0	<0.05	<0.05	0.23	0.007	0.22	1.2
Q052282		7.5	2.9	<0.002	0.02	0.50	0.9	1	<0.2	94.8	<0.05	<0.05	0.26	0.007	0.26	1.7
Q052283		9.1	12.8	<0.002	0.03	0.62	2.0	1	0.3	150.5	0.07	<0.05	1.20	0.031	0.45	3.1
Q052284		7.1	9.2	<0.002	0.02	0.32	1.5	1	0.2	129.5	0.05	<0.05	0.81	0.024	0.20	2.8
Q052285		7.0	5.7	<0.002	0.02	1.18	1.1	1	<0.2	121.5	<0.05	<0.05	0.50	0.015	0.27	2.7
Q052286		6.8	4.3	<0.002	0.01	0.57	0.8	1	<0.2	109.0	<0.05	<0.05	0.37	0.010	0.16	1.5
Q052287		6.3	3.2	<0.002	0.01	2.22	0.7	2	<0.2	106.0	<0.05	<0.05	0.29	0.008	0.49	3.1
Q052288		5.9	5.1	<0.002	0.02	1.86	1.0	2	<0.2	148.5	<0.05	<0.05	0.46	0.013	0.68	2.7
Q052289		7.7	2.1	<0.002	0.01	0.70	0.4	2	<0.2	146.0	<0.05	<0.05	0.19	0.005	0.18	1.1
Q052290		5.6	5.7	<0.002	0.06	0.57	0.7	1	<0.2	139.5	<0.05	<0.05	0.49	0.015	0.32	1.0
Q052291		3.1	3.9	<0.002	0.01	0.32	0.5	1	<0.2	102.5	<0.05	<0.05	0.34	0.010	0.18	1.0
Q052292		4.2	6.5	<0.002	0.03	0.51	0.9	2	0.2	119.5	<0.05	<0.05	0.55	0.016	0.40	1.9
Q052293		11.7	4.7	<0.002	0.01	0.71	0.9	1	<0.2	113.0	<0.05	<0.05	0.40	0.010	0.31	1.7
Q052294		11.9	9.0	<0.002	<0.01	0.95	1.1	1	0.2	158.5	0.05	<0.05	0.80	0.023	0.31	1.6
Q052295		9.6	5.6	<0.002	0.02	0.66	0.7	1	<0.2	144.5	<0.05	<0.05	0.46	0.014	0.15	1.3
Q052296		8.0	9.8	<0.002	0.01	0.48	1.3	1	0.2	99.4	0.05	<0.05	0.80	0.024	0.26	1.2
Q052297		8.9	5.4	<0.002	0.01	0.34	1.0	1	<0.2	110.5	<0.05	<0.05	0.48	0.013	0.30	1.2

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16154025

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- AA26 Au ppm 0.01
Q052258		31	0.7	13.0	124	15.2	<0.01
Q052259		11	0.3	10.5	49	5.6	<0.01
Q052260		18	0.5	16.3	74	10.1	<0.01
Q052261		34	1.0	15.2	156	11.3	0.01
Q052262		21	0.6	8.2	87	8.2	<0.01
Q052263		25	0.6	14.1	74	10.4	<0.01
Q052264		18	0.5	6.9	86	8.9	<0.01
Q052265		15	0.4	3.9	75	7.6	<0.01
Q052266		11	0.3	6.4	52	5.9	<0.01
Q052267		5	0.1	3.1	33	2.1	<0.01
Q052268		51	0.9	9.9	332	7.8	<0.01
Q052269		32	0.8	7.7	146	6.6	<0.01
Q052270		8	0.3	1.9	48	3.7	<0.01
Q052271		8	0.3	5.3	36	7.0	<0.01
Q052272		7	0.1	3.5	45	2.2	<0.01
Q052273		33	0.8	16.3	162	15.3	<0.01
Q052274		16	0.5	8.2	63	8.2	<0.01
Q052275		8	0.3	4.5	41	4.5	<0.01
Q052276		9	0.3	4.5	45	5.0	<0.01
Q052277		16	0.4	8.4	66	8.9	<0.01
Q052278		30	0.9	10.8	146	16.4	<0.01
Q052279		12	0.5	5.8	49	6.6	<0.01
Q052280		7	0.3	5.9	32	4.0	<0.01
Q052281		7	0.3	6.3	32	3.1	<0.01
Q052282		10	0.4	7.3	46	4.2	<0.01
Q052283		20	0.8	13.6	100	11.4	<0.01
Q052284		14	0.6	7.5	49	8.8	<0.01
Q052285		19	0.7	8.2	49	6.2	<0.01
Q052286		12	0.4	5.4	35	4.3	<0.01
Q052287		28	0.7	7.0	80	4.8	<0.01
Q052288		24	0.6	6.8	159	5.2	<0.01
Q052289		8	0.3	3.0	40	2.5	<0.01
Q052290		6	0.5	2.9	33	4.6	<0.01
Q052291		5	0.3	2.4	27	3.4	<0.01
Q052292		9	0.6	5.1	50	5.6	<0.01
Q052293		9	0.4	5.3	57	4.4	<0.01
Q052294		10	0.8	4.2	76	7.1	<0.01
Q052295		6	0.4	2.7	32	4.7	<0.01
Q052296		10	0.7	5.0	47	7.3	0.01
Q052297		9	0.4	5.2	48	4.7	<0.01

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 17- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16154025

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
Q052298		2.58	0.18	0.66	293	310	0.53	0.03	33.2	1.71	6.33	3.6	8	3.31	4.9	0.56
Q052299		3.06	0.16	0.31	129.5	220	0.39	0.01	36.8	1.73	3.88	1.8	5	1.67	3.7	0.24
Q052300		1.58	0.16	0.60	192.0	300	0.40	0.02	33.5	1.41	5.96	2.3	8	2.87	4.3	0.37

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Finalized Date: 17- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16154025

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
Q052298		1.83	0.10	0.3	0.212	0.006	0.30	3.4	3.0	0.58	122	0.59	0.01	1.1	32.9	260
Q052299		0.91	0.12	0.1	0.183	0.005	0.14	2.2	1.8	0.30	105	0.34	0.01	0.5	15.2	150
Q052300		1.70	0.12	0.2	0.238	0.006	0.27	3.3	3.1	1.09	112	0.74	0.01	1.1	16.6	250

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CERTIFICATE OF ANALYSIS WH16154025

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
Q052298		11.0	13.8	<0.002	0.01	1.22	1.8	2	0.3	127.0	0.07	<0.05	1.09	0.032	0.62	2.1
Q052299		9.8	6.7	<0.002	0.01	0.71	1.6	2	0.2	135.0	<0.05	<0.05	0.54	0.014	0.30	2.3
Q052300		12.2	12.5	<0.002	0.02	0.92	1.5	1	0.2	130.5	0.06	<0.05	1.01	0.029	0.47	1.8

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Finalized Date: 17- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16154025

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Au- AA26
	Analyte	V	W	Y	Zn	Zr	Au
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	1	0.1	0.1	2	0.5	0.01
Q052298		21	1.1	7.2	99	10.0	<0.01
Q052299		13	0.7	8.3	54	6.0	<0.01
Q052300		16	0.9	6.0	80	9.4	<0.01

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VANCOUVER BC V6B 1L8

Finalized Date: 17- OCT- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS WH16154025

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA26	CRU- 31	CRU- QC	Hg- MS42
LOG- 21	ME- MS61	PUL- 31	SPL- 21
WEI- 21			

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 24- JUL- 2016
Account: RCM

CERTIFICATE KL16107555

Project: Nadaleen

P.O. No.: N16- B01

This report is for 81 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5- JUL- 2016.

The following have access to data associated with this certificate:

ROB CARNE JOAN MARIACHER	GRAHAM DOWNS	JULIA LANE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% <2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% <75 um
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test

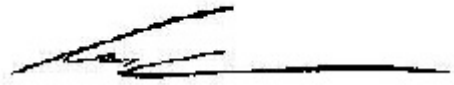
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 24- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS KL16107555

Sample Description	Method	WEI- 21	Au- AA26	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R609545		0.87	0.31	7.45	5.95	4260	340	1.70	0.30	0.31	7.81	70.2	13.9	107	11.65	90.8
R609546		0.75	0.18	7.49	5.86	5300	260	1.68	0.28	0.25	5.37	69.7	13.3	106	11.55	83.7
R609547		0.80	0.20	7.83	5.76	4890	230	1.65	0.27	0.30	5.60	67.7	13.1	104	10.90	86.0
R609548		0.70	0.19	6.70	5.46	3550	400	1.73	0.26	0.99	4.64	62.9	11.7	95	10.70	106.5
R609549		2.08	0.01	3.05	4.02	155.0	4000	1.34	0.15	3.23	4.63	47.8	5.0	173	12.25	50.8
R609550		2.37	0.01	2.24	3.72	127.0	5180	1.32	0.14	5.79	4.42	46.6	5.4	134	10.30	45.1
R609551		1.55	0.03	2.04	4.73	210	4100	1.54	0.21	1.57	5.43	55.2	9.4	146	10.45	62.5
R609552		1.68	0.05	1.25	5.17	185.0	2950	1.78	0.21	1.61	3.14	64.0	10.0	115	9.30	57.0
R609553		1.27	0.01	1.88	4.53	115.0	3090	1.54	0.19	0.67	2.53	56.0	4.6	132	13.70	41.3
R609554		2.11	0.02	1.84	4.89	172.0	3220	1.45	0.22	0.50	1.95	62.4	3.7	132	13.90	43.0
R609555		1.56	0.04	1.53	4.96	209	2770	1.65	0.22	0.32	1.76	61.8	4.4	124	13.45	66.5
R609556		2.72	0.09	2.37	4.64	820	2620	1.63	0.19	0.26	2.27	56.0	7.0	121	12.65	93.1
R609557		1.78	0.04	6.63	5.87	1440	1990	1.84	0.20	0.19	0.72	72.4	3.6	111	14.35	53.4
R609558		1.58	0.07	5.92	5.91	1400	1990	1.74	0.22	0.15	0.37	76.3	2.6	102	15.45	42.2
R609559		1.88	0.03	5.83	6.12	1090	1750	1.71	0.22	0.13	0.15	77.1	3.5	103	15.50	47.5
R609560		1.98	0.02	4.97	5.85	959	1890	1.62	0.24	0.14	0.16	75.4	2.0	100	16.15	132.5
R609561		1.60	0.01	6.15	5.88	1620	1770	1.58	0.24	0.13	0.18	75.0	4.4	101	15.10	35.4
R609562		1.46	0.02	8.09	5.95	1970	1860	1.44	0.25	0.13	0.17	76.6	3.0	100	11.80	34.6
R609563		1.45	0.01	6.48	6.49	823	2000	1.76	0.25	0.10	0.11	81.5	2.4	108	13.60	64.8
R609564		1.66	0.01	5.89	6.59	268	1960	2.03	0.27	0.08	0.66	83.2	1.8	107	14.55	148.5
R609565		1.85	0.01	6.08	6.25	303	990	2.11	0.27	0.08	0.97	78.0	4.1	115	15.05	225
R609566		2.02	0.01	3.87	6.28	659	390	2.32	0.28	0.07	0.61	76.5	7.3	121	14.10	286
R609567		2.04	0.01	1.11	6.39	563	260	2.15	0.27	0.07	1.01	73.1	11.1	114	13.20	241
R609568		1.50	0.01	1.82	6.24	1340	210	2.22	0.27	0.07	3.83	70.3	17.9	111	13.20	194.0
R609569		1.94	0.01	1.54	6.21	1120	210	2.30	0.26	0.08	5.30	69.4	13.5	106	13.55	173.0
R609570		1.95	0.01	2.63	6.42	781	410	3.45	0.26	0.11	5.82	72.5	11.3	102	15.20	89.8
R609571		1.98	0.01	0.73	6.27	409	340	3.00	0.28	0.13	2.58	77.4	13.9	101	16.30	90.5
R609572		1.97	0.01	3.13	6.02	763	360	2.83	0.25	0.59	8.43	71.8	13.2	92	14.70	83.5
R609573		2.09	0.01	5.34	5.73	1450	530	2.57	0.25	0.94	4.55	70.6	11.2	94	14.20	85.7
R609574		1.73	0.01	8.14	4.77	2770	170	2.08	0.22	1.47	2.55	54.7	13.7	75	11.20	73.4
R609575		2.28	0.01	5.85	5.85	1210	370	2.70	0.25	1.40	4.41	73.0	12.9	93	14.00	94.2
R609576		2.53	0.01	6.70	5.88	1030	520	2.37	0.24	1.36	3.25	72.3	12.0	98	13.85	90.8
R609577		2.02	0.01	6.86	5.96	941	720	2.41	0.27	0.98	2.75	75.4	11.5	104	14.45	99.3
R609578		1.95	0.03	7.71	5.84	1050	530	2.19	0.26	1.29	1.52	70.1	11.1	100	12.95	88.3
R609579		1.03	0.12	8.45	5.99	1130	720	2.17	0.26	1.34	2.03	75.0	11.9	102	13.60	89.0
R609580		1.77	1.46	8.22	5.79	3930	560	1.92	0.26	1.41	5.22	69.7	11.4	97	16.05	87.3
R609581		2.04	1.04	7.49	6.00	3470	560	2.06	0.29	1.27	5.05	65.8	11.9	95	15.40	88.3
R609582		1.36	0.70	6.68	6.06	2880	630	2.02	0.29	1.14	3.88	65.4	11.8	96	13.40	84.0
R609583		2.34	0.37	6.17	6.29	2870	560	2.08	0.28	0.82	4.32	65.7	12.6	99	11.60	81.7
R609584		1.30	0.31	5.40	6.44	4050	450	2.10	0.29	0.54	7.57	66.5	13.6	103	11.90	83.4

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Finalized Date: 24- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS KL16107555

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R609545		2.95	16.70	0.15	2.6	4.16	0.064	2.52	35.7	9.3	0.42	78	5.83	0.03	18.5	72.2
R609546		2.97	16.60	0.16	2.7	3.78	0.055	2.47	35.6	9.5	0.39	63	5.82	0.02	18.2	69.8
R609547		3.33	16.10	0.16	2.6	3.72	0.058	2.45	33.8	9.6	0.40	76	5.43	0.02	17.7	70.0
R609548		3.04	15.25	0.16	2.4	3.70	0.058	2.32	32.7	9.4	0.43	98	5.29	0.02	16.4	66.0
R609549		2.24	11.15	0.13	2.0	0.743	0.036	1.45	31.9	17.4	0.65	162	10.85	0.08	10.8	67.6
R609550		2.28	10.60	0.12	1.8	0.628	0.038	1.33	29.6	15.9	0.85	215	8.31	0.10	10.6	56.7
R609551		3.21	12.90	0.15	2.2	0.902	0.052	1.57	33.5	23.5	0.53	289	10.60	0.18	10.9	74.2
R609552		3.29	13.95	0.15	2.4	0.853	0.053	1.83	39.3	24.7	0.91	412	6.65	0.20	15.4	67.7
R609553		1.93	12.95	0.15	2.3	0.938	0.039	1.66	34.7	16.3	0.41	123	6.64	0.09	13.7	47.5
R609554		2.20	14.05	0.13	2.5	1.285	0.048	1.87	37.2	15.8	0.42	91	8.26	0.07	14.7	52.8
R609555		2.24	13.70	0.15	2.5	1.270	0.042	1.94	36.7	14.6	0.35	99	6.90	0.06	15.1	51.6
R609556		4.74	14.00	0.14	2.2	1.630	0.052	1.84	33.1	13.3	0.29	168	10.70	0.04	13.4	60.1
R609557		2.51	18.70	0.14	2.8	2.89	0.072	2.58	38.8	11.2	0.38	69	6.77	0.04	17.6	32.5
R609558		2.20	18.65	0.15	2.8	4.17	0.071	2.63	40.1	11.2	0.40	35	6.22	0.03	18.4	26.4
R609559		1.93	18.95	0.14	2.8	4.08	0.078	2.75	40.9	10.3	0.42	28	4.37	0.03	18.6	27.6
R609560		2.15	19.75	0.17	2.9	3.74	0.080	2.66	39.6	10.3	0.40	20	4.77	0.03	18.5	20.9
R609561		2.69	18.90	0.16	3.0	3.72	0.082	2.59	39.0	10.7	0.36	24	9.14	0.03	18.1	33.7
R609562		2.57	24.4	0.16	2.9	3.63	0.061	2.50	37.8	11.8	0.30	19	6.30	0.02	17.3	23.8
R609563		1.69	22.7	0.17	3.2	3.43	0.066	2.84	42.9	11.3	0.39	20	4.70	0.03	19.9	23.6
R609564		1.14	20.2	0.16	3.1	3.10	0.063	2.87	43.4	11.5	0.42	20	3.72	0.03	20.1	22.6
R609565		1.72	19.80	0.16	2.8	2.65	0.066	2.69	40.3	12.4	0.41	21	4.58	0.03	18.9	32.0
R609566		2.78	18.85	0.16	2.8	2.39	0.081	2.74	38.4	11.6	0.41	21	4.41	0.03	18.7	45.8
R609567		2.69	17.35	0.17	2.7	2.83	0.071	2.69	36.1	11.5	0.43	23	4.87	0.03	18.9	58.8
R609568		3.08	16.70	0.18	2.7	2.56	0.074	2.58	34.8	11.5	0.39	22	6.18	0.03	18.1	88.0
R609569		2.75	15.95	0.16	2.7	1.955	0.074	2.47	34.5	11.1	0.39	24	5.88	0.03	18.5	84.5
R609570		2.40	16.45	0.14	2.8	1.675	0.066	2.67	37.8	11.2	0.43	31	5.48	0.03	19.3	81.1
R609571		2.91	17.50	0.16	2.8	1.930	0.065	2.74	38.9	12.6	0.48	111	4.91	0.03	19.2	71.8
R609572		2.95	16.05	0.17	2.6	2.19	0.064	2.48	36.4	11.5	0.57	169	5.90	0.03	18.8	107.0
R609573		2.86	15.65	0.15	2.6	2.23	0.067	2.52	36.9	10.0	0.65	255	4.92	0.03	18.6	70.8
R609574		7.50	13.00	0.15	1.9	3.27	0.056	2.13	27.8	7.8	0.77	425	6.86	0.02	15.4	98.4
R609575		3.69	16.10	0.16	2.6	2.54	0.065	2.54	37.2	9.9	0.81	343	5.86	0.03	18.7	81.4
R609576		3.12	15.95	0.15	2.7	2.15	0.063	2.56	37.4	9.7	0.80	324	5.56	0.03	19.3	74.9
R609577		2.80	16.95	0.16	2.9	2.54	0.058	2.55	39.6	9.8	0.68	239	5.93	0.03	20.0	67.4
R609578		2.89	16.15	0.15	2.6	2.96	0.053	2.61	36.2	9.3	0.79	273	5.43	0.03	18.6	65.2
R609579		2.73	17.15	0.14	2.9	2.93	0.059	2.63	39.1	9.8	0.82	278	5.93	0.03	19.1	62.9
R609580		2.96	16.05	0.16	2.9	5.68	0.057	2.53	36.6	9.7	0.86	291	5.39	0.02	17.8	61.6
R609581		2.77	18.40	0.21	3.0	4.91	0.053	2.67	36.2	10.6	0.79	266	6.39	0.03	18.6	69.5
R609582		2.72	18.15	0.19	2.9	4.49	0.054	2.68	36.1	10.1	0.74	260	5.70	0.03	18.2	69.0
R609583		2.73	18.70	0.18	2.8	3.99	0.052	2.68	35.7	10.9	0.61	213	5.86	0.02	17.9	90.3
R609584		2.75	18.85	0.19	2.7	4.28	0.060	2.73	36.6	11.6	0.51	136	5.93	0.03	18.3	80.4

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	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
R609545		850	39.7	124.0	0.006	2.61	12.00	10.3	6	1.9	230	1.01	0.14	10.05	0.358	6.45
R609546		760	35.3	121.5	0.005	2.65	12.55	9.6	8	1.9	210	1.01	0.12	10.00	0.356	6.05
R609547		740	37.2	118.5	0.005	3.10	12.70	9.3	8	1.8	198.5	0.99	0.12	9.55	0.346	6.46
R609548		780	33.7	113.5	0.005	2.65	10.95	9.6	6	1.7	206	0.92	0.12	9.04	0.328	6.43
R609549		1700	55.3	80.1	0.017	0.26	5.25	9.2	8	1.2	267	0.60	0.07	6.11	0.257	1.57
R609550		1300	23.7	75.4	0.022	0.26	4.27	8.6	7	1.1	284	0.58	0.06	5.71	0.244	1.39
R609551		1980	35.0	89.6	0.007	0.21	5.65	11.3	7	1.4	229	0.61	0.11	6.90	0.318	2.32
R609552		1340	25.7	99.3	0.008	0.13	4.26	11.3	5	1.5	142.0	0.84	0.10	8.03	0.346	1.48
R609553		900	37.2	92.3	0.007	0.15	5.05	9.4	5	1.4	167.5	0.76	0.08	7.22	0.297	1.80
R609554		1200	34.7	105.0	0.010	0.20	5.64	9.8	6	1.6	286	0.82	0.09	9.30	0.316	3.33
R609555		1030	26.1	107.0	0.020	0.19	6.10	9.8	5	1.5	238	0.85	0.08	9.06	0.317	2.75
R609556		1130	29.3	99.8	0.021	0.21	10.50	9.8	8	1.4	204	0.76	0.12	7.15	0.286	3.99
R609557		950	34.2	131.5	0.018	0.28	7.25	11.9	5	1.8	270	0.98	0.16	10.55	0.361	6.20
R609558		900	55.5	136.5	0.008	0.38	8.67	12.2	5	1.9	292	1.01	0.18	10.90	0.371	10.55
R609559		800	56.0	138.5	0.007	0.30	7.38	13.7	7	1.9	249	1.04	0.10	11.00	0.381	6.05
R609560		820	49.4	134.0	0.005	0.49	7.55	16.0	10	1.9	277	1.04	0.12	10.60	0.368	6.76
R609561		1000	39.9	128.5	0.005	0.48	9.84	15.5	9	1.8	310	1.01	0.21	10.95	0.367	5.97
R609562		1020	27.1	121.0	0.005	0.47	9.58	8.9	5	1.9	343	0.96	0.14	10.95	0.357	8.77
R609563		820	35.8	139.5	0.007	0.36	9.05	17.1	7	2.0	282	1.11	0.14	11.95	0.398	6.55
R609564		790	73.4	145.0	0.005	0.41	9.55	19.7	9	2.0	255	1.15	0.13	12.50	0.415	5.13
R609565		970	62.2	135.0	0.006	1.19	10.20	14.4	7	2.0	335	1.10	0.12	11.60	0.385	4.52
R609566		1040	35.7	141.5	0.005	2.33	6.22	15.9	6	2.0	306	1.03	0.11	11.00	0.373	6.19
R609567		980	24.8	136.5	0.004	2.45	5.56	12.4	7	1.9	315	1.04	0.13	10.90	0.385	8.43
R609568		1020	48.6	130.0	0.005	3.01	8.00	11.4	8	1.9	324	1.01	0.13	9.89	0.361	11.50
R609569		1260	26.7	126.0	0.005	2.60	6.43	11.5	6	1.8	323	1.03	0.12	10.15	0.359	7.85
R609570		1160	38.2	136.0	0.004	2.11	5.64	13.4	6	1.8	241	1.09	0.08	10.75	0.377	4.55
R609571		950	24.1	143.0	0.005	2.34	5.73	10.9	5	1.9	251	1.07	0.12	11.35	0.387	6.21
R609572		1160	45.0	129.5	0.005	2.28	8.00	11.5	7	1.8	264	1.03	0.10	10.35	0.358	3.11
R609573		1100	33.6	128.0	0.005	2.05	7.32	12.3	6	1.8	195.5	1.03	0.11	10.20	0.357	2.55
R609574		980	52.4	105.0	0.007	6.74	13.25	9.6	8	1.5	196.0	0.83	0.08	6.73	0.290	10.05
R609575		1150	52.8	129.5	0.006	2.66	9.63	12.0	7	1.8	232	1.04	0.12	10.60	0.364	5.25
R609576		1140	48.0	128.5	0.005	2.05	9.61	11.8	6	1.8	214	1.06	0.10	10.75	0.365	4.37
R609577		1120	59.7	130.5	0.004	1.83	9.77	12.3	7	1.9	226	1.08	0.10	11.05	0.374	4.98
R609578		960	29.6	125.5	0.004	1.89	7.52	12.5	7	1.8	208	1.00	0.12	9.97	0.365	5.37
R609579		990	26.0	132.5	0.005	1.77	7.55	13.4	7	1.9	231	1.07	0.10	11.10	0.370	4.96
R609580		920	24.4	124.0	0.007	2.14	8.39	12.3	8	1.9	221	0.99	0.13	10.10	0.354	6.94
R609581		1010	31.6	117.0	0.006	1.93	10.60	12.6	7	2.1	211	1.15	0.14	9.46	0.360	6.97
R609582		1030	30.3	114.0	0.003	1.87	9.85	12.0	6	2.0	216	1.16	0.17	9.87	0.369	6.33
R609583		1010	31.9	114.0	0.006	1.95	9.76	11.7	6	2.1	219	1.15	0.11	9.65	0.367	6.26
R609584		980	35.2	115.5	0.004	2.17	9.99	11.6	6	2.1	247	1.15	0.15	10.00	0.377	7.87

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 24- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS KL16107555

Sample Description	Method Analyte Units LOR	ME- MS61 U ppm 0.1	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
R609545		6.9	406	9.5	22.3	460	110.5
R609546		6.1	401	9.2	21.1	388	109.0
R609547		6.1	394	9.3	21.0	400	106.0
R609548		5.5	372	8.2	21.1	418	99.6
R609549		6.7	313	1.8	26.5	311	82.1
R609550		5.8	281	1.5	24.3	266	76.6
R609551		6.4	333	2.0	29.3	329	89.8
R609552		5.0	316	1.7	26.9	275	98.5
R609553		5.9	371	2.4	26.1	231	95.1
R609554		6.1	366	3.5	25.0	205	101.5
R609555		6.0	369	3.3	26.2	217	102.5
R609556		6.9	406	3.9	22.9	533	90.3
R609557		5.9	398	8.6	22.2	194	116.0
R609558		5.2	403	9.6	22.0	137	116.5
R609559		4.7	429	9.5	20.9	112	118.0
R609560		4.5	411	9.7	21.0	63	118.5
R609561		4.7	404	8.8	23.0	116	120.0
R609562		4.6	400	12.6	22.7	105	122.0
R609563		5.2	445	11.3	23.3	75	126.5
R609564		5.6	431	12.2	23.7	49	126.5
R609565		5.3	416	12.2	24.1	81	118.5
R609566		8.3	386	10.0	25.1	123	115.0
R609567		6.6	409	7.1	22.4	167	112.5
R609568		6.3	408	6.1	24.5	247	113.5
R609569		6.3	425	5.6	25.3	215	109.5
R609570		6.9	428	6.2	29.6	350	114.0
R609571		5.3	395	5.3	35.1	504	115.0
R609572		6.1	405	6.0	33.5	764	110.5
R609573		5.4	396	7.4	30.8	732	111.5
R609574		4.1	318	10.3	28.9	649	85.4
R609575		5.5	391	9.0	32.5	677	110.0
R609576		5.4	404	9.2	31.8	554	117.0
R609577		5.5	413	9.8	31.0	491	121.0
R609578		4.7	398	10.9	26.8	375	109.5
R609579		4.9	395	11.7	27.5	480	117.5
R609580		4.5	376	10.9	26.2	947	111.5
R609581		4.2	397	12.6	29.9	833	114.0
R609582		4.4	398	12.0	31.0	715	116.5
R609583		4.5	412	11.7	31.4	657	112.5
R609584		4.9	426	11.8	27.4	564	110.5

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VANCOUVER BC V6B 1L8

Finalized Date: 24- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS KL16107555

Sample Description	Method	WEI- 21	Au- AA26	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R609585		1.50	0.29	4.48	6.30	4610	420	1.83	0.28	0.39	9.81	65.7	14.5	103	11.90	84.4
R609586		1.24	0.28	4.38	6.27	4460	480	1.78	0.28	0.34	9.38	64.7	14.0	104	12.45	86.2
R609587		1.43	0.51	6.34	6.07	5460	280	1.74	0.26	0.33	8.75	63.6	13.8	101	11.75	86.7
R609588		1.21	0.44	6.59	6.10	4790	310	1.76	0.26	0.33	8.24	62.3	13.4	102	11.25	85.1
R609589		1.95	0.01	1.67	3.69	126.0	2590	1.26	0.14	8.27	4.02	42.5	5.3	119	8.56	42.7
R609590		1.90	0.11	1.18	4.10	135.5	1830	1.30	0.15	7.71	2.74	47.0	6.8	96	8.84	44.0
R609591		2.21	0.01	0.52	5.15	78.3	1140	1.21	0.17	7.11	1.25	50.7	13.0	79	6.83	63.0
R609592		2.01	<0.01	0.36	4.86	79.5	1190	1.41	0.17	10.20	1.44	56.6	9.3	64	7.97	36.7
R609593		2.13	0.04	1.69	4.99	307	2530	1.59	0.20	1.31	2.20	56.7	4.0	111	16.60	37.8
R609594		2.36	0.04	1.49	4.76	182.5	2150	1.54	0.20	2.37	2.12	53.8	4.4	111	15.35	53.2
R609595		2.22	0.03	1.14	5.28	150.5	2970	1.43	0.22	0.71	1.22	60.0	2.8	110	14.80	29.1
R609596		2.84	0.04	1.28	5.54	191.5	2690	1.57	0.23	0.69	1.15	61.2	3.3	113	15.55	69.8
R609597		3.40	0.03	0.96	6.03	222	2000	1.77	0.22	0.27	0.39	65.5	2.0	109	16.85	85.0
R609598		3.77	0.03	0.98	6.11	843	1980	2.07	0.24	0.35	0.73	64.1	4.3	113	16.85	196.0
R609599		2.15	0.02	0.81	6.21	1685	1860	2.17	0.21	0.27	1.10	58.6	3.3	102	14.15	125.0
R609600		1.30	0.01	0.57	6.12	814	1370	1.96	0.27	0.17	0.68	66.1	5.5	98	18.90	60.9
R609601		2.78	0.09	1.06	6.28	3460	820	2.74	0.26	0.14	4.27	65.6	4.5	98	17.10	258
R609602		3.04	0.02	0.87	6.66	2100	1360	2.51	0.27	0.13	1.95	65.1	5.8	98	16.75	247
R609603		2.88	0.01	0.74	6.28	928	720	2.46	0.27	0.17	5.25	66.1	10.1	94	15.55	178.0
R609604		2.71	0.11	1.09	6.12	1655	1280	2.19	0.25	0.13	8.07	63.7	6.0	95	16.20	203
R609605		2.78	1.75	2.98	5.97	7980	420	2.14	0.26	0.15	3.61	62.1	10.3	98	13.95	140.5
R609606		2.47	0.83	3.69	5.55	5080	310	1.83	0.27	0.29	2.71	58.4	10.3	89	12.15	113.0
R609607		2.42	0.91	6.83	5.78	5990	610	2.05	0.25	0.91	5.19	59.6	10.3	90	12.75	92.0
R609608		3.33	0.10	5.28	5.52	3570	480	1.90	0.25	1.54	1.63	57.1	9.8	87	12.20	83.3
R609609		2.65	0.05	5.95	5.49	2550	880	2.04	0.27	1.28	1.55	58.0	9.4	89	12.10	84.0
R609610		2.33	0.03	8.66	5.32	4360	530	1.74	0.29	1.28	2.40	55.8	9.4	80	11.45	84.9
R609611		2.05	0.04	9.69	5.16	1825	810	1.58	0.28	1.54	2.19	52.9	9.7	82	10.30	82.1
R609612		2.41	0.13	5.89	5.63	3130	960	1.87	0.25	0.72	2.07	60.2	9.1	89	14.90	95.9
R609613		2.45	0.09	3.47	4.20	1625	1210	1.41	0.19	8.88	2.65	43.7	4.5	70	9.00	77.2
R609614		1.77	0.14	2.35	3.30	1280	970	1.17	0.14	15.50	2.71	34.9	4.6	57	7.67	63.1
R609615		1.55	0.01	0.95	5.13	108.0	2080	1.40	0.19	3.19	2.89	52.9	11.5	108	7.56	59.7
R609616		1.41	0.01	1.61	4.78	108.5	2950	1.38	0.19	3.40	3.84	48.7	8.9	123	8.90	56.1
R609617		1.83	0.01	2.21	4.16	124.5	4010	1.30	0.17	4.31	4.14	46.7	6.0	152	10.15	55.0
R609618		1.73	0.01	1.92	4.08	121.0	3070	1.34	0.16	5.29	4.09	46.0	5.9	136	9.17	50.3
R609619		1.77	<0.01	1.39	3.87	99.3	2300	1.17	0.15	9.15	2.92	45.8	6.0	106	7.84	42.6
R609620		1.74	0.01	1.79	4.19	117.0	2430	1.29	0.17	7.45	3.37	50.7	6.7	119	8.91	46.3
R609621		2.45	0.01	0.88	4.66	103.5	1630	1.39	0.18	6.18	2.06	54.6	9.0	89	7.61	45.8
R609622		1.84	<0.01	0.46	4.13	61.4	990	1.21	0.15	12.75	1.43	50.8	8.5	64	4.79	31.0
R609623		1.43	<0.01	0.34	5.11	56.2	960	1.44	0.19	10.90	1.15	63.6	10.3	68	6.05	31.7
R609624		2.41	0.01	0.45	5.17	272	970	1.44	0.21	9.84	2.31	62.6	9.7	61	7.51	38.0

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VANCOUVER BC V6B 1L8

Finalized Date: 24- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS KL16107555

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R609585		2.83	18.70	0.18	2.8	4.00	0.059	2.67	35.8	11.4	0.47	93	5.92	0.03	18.3	74.1
R609586		2.74	18.55	0.19	2.8	3.97	0.057	2.66	36.3	11.3	0.47	83	5.93	0.03	18.3	70.5
R609587		3.05	18.45	0.18	2.6	4.12	0.060	2.58	33.8	11.2	0.43	79	6.26	0.03	17.6	71.7
R609588		2.93	17.85	0.20	2.6	4.25	0.059	2.61	33.9	10.9	0.44	84	5.99	0.03	17.4	70.2
R609589		2.27	10.90	0.15	1.8	0.506	0.029	1.36	26.7	17.1	1.13	276	8.49	0.12	10.4	54.2
R609590		2.69	11.90	0.15	2.0	0.692	0.039	1.54	28.2	20.3	1.23	362	6.75	0.15	12.0	49.3
R609591		4.12	14.20	0.13	2.3	0.213	0.058	1.47	26.8	37.7	1.57	531	3.80	0.63	11.5	44.6
R609592		2.92	13.50	0.16	2.3	0.154	0.043	1.84	31.1	25.5	1.78	414	3.28	0.23	14.5	38.8
R609593		2.10	15.45	0.18	2.6	1.110	0.044	2.01	33.8	16.6	0.50	121	6.27	0.12	16.3	41.0
R609594		2.09	14.60	0.18	2.4	1.005	0.040	1.91	32.2	17.1	0.63	142	7.18	0.11	15.6	41.4
R609595		1.88	16.60	0.16	2.7	0.885	0.047	2.27	35.4	14.8	0.46	74	5.42	0.07	16.1	38.2
R609596		2.10	16.85	0.16	2.7	0.903	0.050	2.38	35.9	14.2	0.47	72	6.35	0.09	16.3	37.3
R609597		2.06	19.05	0.17	2.9	0.857	0.043	2.71	37.2	12.4	0.46	34	4.92	0.04	17.6	26.2
R609598		2.69	18.35	0.19	2.7	0.908	0.057	2.62	36.6	14.0	0.46	51	7.10	0.06	16.8	55.2
R609599		3.32	16.40	0.15	2.7	0.768	0.052	2.40	32.7	14.0	0.40	64	6.54	0.03	16.2	44.8
R609600		2.74	18.95	0.17	2.7	0.989	0.070	2.73	36.4	11.2	0.45	46	6.97	0.03	17.5	37.0
R609601		3.84	19.00	0.21	2.8	1.460	0.067	2.72	35.6	11.0	0.42	31	6.34	0.03	17.2	36.3
R609602		2.18	19.05	0.19	2.8	1.455	0.056	2.97	36.3	11.2	0.46	25	4.35	0.03	17.7	46.8
R609603		2.66	18.80	0.15	2.7	1.600	0.061	2.77	36.3	10.9	0.45	34	5.20	0.03	18.3	60.4
R609604		2.26	18.65	0.18	2.7	3.79	0.047	2.68	35.0	11.9	0.41	22	3.87	0.03	17.0	45.6
R609605		3.24	17.85	0.20	2.6	12.55	0.054	2.62	33.4	10.7	0.38	49	4.21	0.03	16.5	52.2
R609606		3.19	16.45	0.19	2.4	7.22	0.050	2.45	30.9	9.9	0.41	59	4.39	0.02	15.4	53.4
R609607		3.10	16.95	0.17	2.6	7.13	0.049	2.62	33.0	10.1	0.66	178	5.00	0.03	16.5	56.7
R609608		3.39	16.20	0.18	2.5	3.08	0.046	2.49	31.6	9.7	0.88	334	4.78	0.03	16.6	58.6
R609609		2.44	16.35	0.20	2.9	2.52	0.055	2.47	31.6	9.4	0.76	288	5.06	0.02	16.3	56.5
R609610		2.98	16.10	0.17	2.4	3.08	0.054	2.36	31.0	9.5	0.75	258	4.48	0.02	15.4	56.3
R609611		2.83	15.65	0.16	2.3	2.95	0.055	2.29	29.1	9.2	0.78	409	4.26	0.02	14.8	56.7
R609612		2.98	17.05	0.16	2.7	3.79	0.054	2.50	33.3	9.4	0.57	151	4.43	0.02	15.5	52.5
R609613		2.17	12.25	0.14	1.9	0.025	0.042	1.75	24.3	7.5	0.32	198	4.02	0.02	11.1	37.5
R609614		1.63	9.73	0.12	1.4	2.25	0.038	1.42	19.1	6.5	0.37	233	3.46	0.02	8.9	32.9
R609615		3.78	14.45	0.16	2.3	0.522	0.049	1.72	29.6	27.4	1.07	477	6.34	0.27	11.3	63.6
R609616		3.13	13.90	0.16	2.3	0.585	0.046	1.62	30.1	24.5	1.00	352	6.99	0.21	10.8	58.2
R609617		2.57	11.75	0.16	2.2	0.622	0.043	1.48	29.9	18.3	0.77	236	11.30	0.12	10.2	75.0
R609618		2.64	11.15	0.13	2.0	0.573	0.038	1.46	28.8	18.7	1.05	287	9.95	0.15	10.3	64.6
R609619		2.45	10.60	0.14	1.9	0.433	0.034	1.41	27.0	19.1	0.97	280	7.13	0.15	10.1	51.2
R609620		2.67	11.90	0.13	2.2	0.480	0.041	1.52	29.8	20.3	1.21	352	8.58	0.19	12.2	55.6
R609621		3.10	12.40	0.13	2.2	0.345	0.042	1.61	29.7	26.4	1.58	456	5.78	0.31	11.9	47.4
R609622		2.77	11.05	0.11	1.9	0.181	0.037	1.45	27.1	24.7	2.01	491	3.54	0.27	10.8	33.8
R609623		3.05	13.60	0.15	2.3	0.154	0.043	1.92	33.1	29.2	1.96	479	3.24	0.29	13.9	37.4
R609624		3.20	13.70	0.14	2.2	0.310	0.041	1.86	31.5	27.6	1.47	473	3.49	0.42	10.6	36.4

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Finalized Date: 24- JUL- 2016
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Project: Nadaleen

CERTIFICATE OF ANALYSIS KL16107555

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
R609585		840	33.6	117.0	0.003	2.38	10.10	11.2	6	2.1	227	1.14	0.11	9.56	0.375	7.53
R609586		790	33.4	119.0	0.003	2.28	10.20	10.9	6	2.2	209	1.13	0.13	9.56	0.370	6.60
R609587		770	41.1	113.0	0.004	2.72	13.20	10.4	7	2.0	207	1.07	0.10	9.06	0.358	7.86
R609588		810	39.0	110.5	0.004	2.58	12.80	10.0	6	2.0	215	1.08	0.13	8.99	0.357	7.38
R609589		1260	19.5	64.6	0.016	0.17	4.61	7.7	6	1.3	285	0.66	0.07	5.72	0.240	1.31
R609590		1060	19.5	71.7	0.012	0.13	4.32	8.4	5	1.3	236	0.76	0.06	6.49	0.270	1.26
R609591		820	15.6	66.8	0.008	0.11	2.40	13.2	3	1.4	211	0.74	0.06	6.86	0.400	0.78
R609592		970	17.2	82.0	0.002	0.16	2.44	8.9	2	1.6	220	0.95	<0.05	7.81	0.325	0.97
R609593		850	21.0	96.1	0.005	0.14	6.35	8.8	6	1.7	197.5	1.01	0.12	8.06	0.327	2.69
R609594		860	21.3	90.0	0.012	0.16	6.21	8.4	4	2.4	209	0.98	0.10	7.63	0.313	2.47
R609595		880	21.2	105.5	0.016	0.20	6.06	9.1	4	1.8	237	1.01	0.12	8.65	0.342	2.89
R609596		950	22.2	110.0	0.018	0.22	6.26	9.3	5	1.9	241	1.04	0.08	8.99	0.350	3.34
R609597		750	16.0	124.5	0.036	0.17	5.28	9.1	3	2.0	194.0	1.12	0.08	9.06	0.365	3.01
R609598		1000	16.6	121.5	0.021	0.19	5.79	11.7	4	1.9	205	1.05	0.12	9.20	0.359	3.22
R609599		1350	13.3	110.0	0.028	0.26	4.59	15.8	5	1.9	192.0	1.03	0.09	8.31	0.332	3.10
R609600		850	17.8	130.0	0.010	0.34	5.34	10.9	3	2.1	197.5	1.08	0.12	9.48	0.358	3.73
R609601		1110	15.4	121.0	0.008	1.51	5.49	14.2	17	2.0	197.5	1.10	0.13	9.59	0.356	4.06
R609602		920	10.8	128.5	0.006	1.11	4.83	11.9	11	2.2	162.0	1.14	0.09	9.47	0.382	3.18
R609603		1060	15.9	126.5	0.006	1.72	5.87	11.5	6	2.0	169.0	1.14	0.14	9.71	0.370	2.92
R609604		910	13.6	123.0	0.004	1.43	4.67	10.9	6	2.0	194.5	1.10	0.11	8.94	0.352	6.43
R609605		950	20.0	116.0	0.004	2.51	5.78	10.4	6	2.2	161.0	1.05	0.13	8.46	0.349	15.55
R609606		1050	21.5	108.5	0.004	2.59	5.53	9.7	5	1.9	210	0.99	0.11	7.94	0.324	13.35
R609607		920	192.0	113.0	0.005	2.31	14.85	10.8	6	2.1	160.0	1.07	0.11	8.53	0.347	7.44
R609608		870	39.8	107.5	0.004	2.30	8.46	10.6	5	1.9	192.5	1.06	0.13	8.28	0.340	6.21
R609609		860	23.4	109.5	0.004	1.50	6.49	10.5	4	1.8	171.5	1.05	0.10	8.21	0.332	4.23
R609610		820	26.9	107.0	0.005	2.11	9.31	10.3	6	1.8	158.0	0.97	0.11	7.65	0.313	6.28
R609611		770	47.3	100.5	0.005	1.71	10.15	10.5	5	1.7	154.5	0.91	0.09	7.23	0.305	5.15
R609612		710	27.1	113.0	0.003	1.39	9.62	10.5	5	1.9	194.0	0.99	0.13	8.18	0.330	13.10
R609613		570	22.9	77.2	0.004	0.44	6.57	10.2	5	1.5	193.5	0.70	0.07	5.95	0.239	4.30
R609614		550	20.4	62.0	0.005	0.51	4.44	8.4	4	1.1	226	0.56	0.05	4.68	0.191	3.06
R609615		1040	22.7	78.6	0.004	0.12	3.47	12.3	5	1.6	192.5	0.75	0.07	7.32	0.358	1.38
R609616		1110	26.2	78.1	0.004	0.18	3.99	11.2	5	1.5	203	0.72	0.09	6.70	0.317	1.32
R609617		1540	37.7	76.0	0.009	0.22	4.77	9.3	7	1.3	288	0.69	0.08	6.35	0.269	1.52
R609618		1400	23.2	73.6	0.010	0.17	4.79	8.9	6	1.2	259	0.64	0.08	6.15	0.266	1.41
R609619		1170	17.5	68.6	0.013	0.14	3.86	8.0	5	1.3	290	0.66	0.05	5.76	0.253	1.15
R609620		1250	24.6	75.0	0.011	0.14	4.79	8.8	5	1.3	262	0.77	0.07	6.56	0.282	1.28
R609621		1040	19.8	77.2	0.007	0.09	3.37	9.7	3	1.4	198.5	0.78	0.07	7.37	0.316	0.99
R609622		890	15.1	66.5	0.006	0.10	1.93	8.2	2	1.3	292	0.71	0.06	6.50	0.278	0.72
R609623		980	20.1	86.0	0.002	0.15	1.74	9.4	2	1.7	235	0.92	0.06	8.61	0.330	0.85
R609624		940	19.1	86.7	0.002	0.10	2.51	9.3	3	1.6	230	0.74	0.05	8.81	0.289	0.98

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
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Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 24- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS KL16107555

Sample Description	Method Analyte Units LOR	ME- MS61 U ppm 0.1	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
R609585		5.2	433	10.9	23.6	446	114.0
R609586		5.6	436	10.5	21.4	424	111.5
R609587		6.2	417	10.5	21.7	393	109.0
R609588		6.1	416	10.6	21.4	420	107.5
R609589		4.6	282	1.7	21.9	250	74.3
R609590		4.0	262	1.9	20.5	236	82.1
R609591		2.8	188	1.8	24.9	164	88.9
R609592		3.4	191	1.5	19.0	205	87.5
R609593		4.6	453	3.4	22.5	198	105.5
R609594		4.7	437	3.3	22.1	197	102.5
R609595		4.4	388	4.1	20.0	127	110.0
R609596		4.9	398	4.5	22.0	138	112.0
R609597		4.9	412	6.6	17.6	73	114.5
R609598		7.9	415	7.2	19.0	171	111.5
R609599		13.3	447	6.8	24.1	212	107.0
R609600		4.8	381	6.4	17.8	172	114.0
R609601		7.1	406	8.7	25.1	162	111.0
R609602		5.2	412	8.2	24.0	110	111.5
R609603		5.3	394	7.1	28.0	305	114.0
R609604		5.6	383	8.2	26.3	169	111.0
R609605		5.4	378	9.0	30.1	179	108.0
R609606		4.8	353	9.0	28.4	242	101.0
R609607		4.5	380	10.1	26.5	776	107.0
R609608		4.0	387	9.3	24.3	383	103.0
R609609		4.0	378	9.7	24.1	323	105.5
R609610		3.6	363	10.1	22.9	398	98.9
R609611		3.7	348	10.3	23.6	398	97.6
R609612		3.7	362	8.9	20.1	254	106.5
R609613		4.0	254	5.7	21.7	298	89.1
R609614		4.7	213	4.5	18.4	234	62.0
R609615		3.6	241	1.6	25.6	233	93.3
R609616		4.2	249	1.6	24.0	259	90.3
R609617		5.7	302	2.0	26.8	305	85.3
R609618		5.1	290	1.7	24.4	302	82.0
R609619		4.3	253	1.4	22.4	237	74.8
R609620		4.6	281	2.1	24.6	254	88.0
R609621		3.7	213	2.0	20.0	212	86.0
R609622		3.1	139	1.3	17.0	154	73.8
R609623		3.6	140	1.6	18.6	180	84.6
R609624		3.4	151	1.5	20.9	188	79.8

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 24- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS KL16107555

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
R609625		1.47	0.03	1.04	6.00	1160	2020	1.99	0.23	2.59	4.48	65.1	8.9	95	17.45	108.5

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Finalized Date: 24- JUL- 2016
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Project: Nadaleen

CERTIFICATE OF ANALYSIS KL16107555

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R609625		3.61	15.75	0.15	2.4	0.835	0.057	2.07	35.0	24.1	0.88	308	5.80	0.55	14.6	57.3

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CERTIFICATE OF ANALYSIS KL16107555

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
R609625		1240	26.8	100.5	0.004	0.12	5.04	11.7	4	1.8	220	0.92	0.10	8.99	0.360	2.25

***** See Appendix Page for comments regarding this certificate *****

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Project: Nadaleen

CERTIFICATE OF ANALYSIS KL16107555

Sample Description	Method Analyte Units LOR	ME- MS61 U ppm 0.1	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
R609625		4.6	304	2.4	31.9	346	99.2

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Project: Nadaleen

Finalized Date: 24- JUL- 2016
Account: RCM

CERTIFICATE OF ANALYSIS KL16107555

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Kamloops located at 2953 Shuswap Drive, Kamloops, BC, Canada.

CRU- 31	CRU- QC	LOG- 21	PUL- 31
PUL- QC	SPL- 21	WEI- 21	

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA26	Hg- MS42	ME- MS61

ALS Canada Ltd.

2103 Dollarton Hwy
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 25- JUL- 2016
Account: RCM

CERTIFICATE KL16109143

Project: Nadaleen

P.O. No.: N16- B02

This report is for 15 Rock samples submitted to our lab in Whitehorse, YT, Canada on 7- JUL- 2016.

The following have access to data associated with this certificate:

ROB CARNE JOAN MARIACHER	GRAHAM DOWNS	JULIA LANE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test

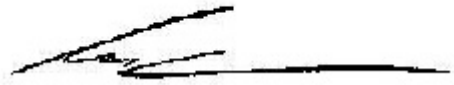
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 25- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS KL16109143

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
R609626		1.18	<0.01	2.28	4.40	300	2860	1.36	0.17	0.46	2.59	44.5	3.5	143	14.00	43.5
R609627		1.60	<0.01	2.13	4.47	329	2810	1.40	0.18	0.43	3.64	45.6	4.2	154	14.20	53.3
R609628		1.36	0.02	2.42	4.44	223	2750	1.47	0.18	0.29	2.80	60.7	2.7	132	14.40	33.4
R609629		1.41	0.01	2.20	4.46	296	2880	1.29	0.19	0.45	2.84	49.9	3.1	138	13.90	40.4
R609630		1.54	0.02	2.05	4.34	298	2610	1.29	0.17	0.54	2.58	46.3	2.9	133	13.50	38.0
R609631		1.87	0.02	1.92	4.30	323	2800	1.24	0.15	1.11	2.75	41.7	3.2	139	12.25	41.1
R609632		2.02	0.01	1.97	4.23	323	2570	1.30	0.17	1.27	2.88	44.6	3.4	137	12.95	46.0
R609633		1.49	0.01	1.92	4.36	322	2630	1.25	0.17	0.97	2.91	44.8	3.7	141	13.25	46.4
R609634		1.20	0.01	1.99	4.36	327	2680	1.35	0.18	0.82	2.99	45.8	3.6	142	13.55	48.3
R609635		1.44	0.01	2.03	4.37	333	2800	1.52	0.17	0.69	2.98	45.9	3.7	141	13.65	48.6
R609636		1.87	0.01	2.05	4.53	359	2540	1.34	0.17	0.71	2.89	47.1	3.8	140	14.05	51.5
R609637		1.27	0.01	2.03	4.51	350	2360	1.42	0.18	0.57	2.72	47.8	3.6	140	14.00	49.1
R609638		1.63	0.02	2.11	4.76	539	2530	1.48	0.19	0.77	3.02	49.2	4.4	146	14.25	62.2
R609639		1.32	0.03	1.95	4.89	721	2660	1.47	0.18	0.71	3.15	50.2	4.8	147	14.10	65.0
R609640		1.72	0.05	2.07	5.06	902	2770	1.55	0.20	0.76	3.32	52.8	5.3	150	14.70	67.3

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 25- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS KL16109143

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R609626		1.95	12.30	0.16	2.0	0.876	0.032	1.55	29.9	13.7	0.28	62	8.29	0.08	9.6	58.9
R609627		2.46	12.30	0.14	2.0	0.959	0.029	1.54	31.3	13.7	0.26	64	10.45	0.08	9.5	77.8
R609628		1.79	13.05	0.15	2.2	1.145	0.029	1.69	32.8	14.3	0.29	49	8.05	0.06	12.9	49.4
R609629		2.07	12.95	0.17	2.1	1.155	0.035	1.66	31.9	14.2	0.27	51	9.27	0.05	11.7	57.0
R609630		2.02	12.15	0.14	2.1	1.105	0.030	1.58	30.0	13.2	0.26	51	7.80	0.05	11.2	54.1
R609631		2.17	11.25	0.16	1.9	0.999	0.026	1.54	27.8	12.5	0.27	59	7.88	0.06	9.5	58.7
R609632		2.14	11.85	0.15	2.0	1.125	0.034	1.50	29.9	13.1	0.26	56	8.67	0.06	9.6	63.0
R609633		2.25	11.85	0.16	2.0	0.940	0.033	1.57	30.0	13.3	0.27	57	8.74	0.06	9.8	66.2
R609634		2.26	12.25	0.16	2.0	0.883	0.032	1.54	30.8	13.7	0.26	59	9.02	0.06	10.0	66.9
R609635		2.22	12.35	0.14	2.0	0.973	0.031	1.56	30.8	13.6	0.26	55	9.09	0.05	9.9	66.4
R609636		2.27	12.80	0.15	2.0	1.015	0.034	1.62	31.5	14.0	0.27	56	9.10	0.06	10.3	67.9
R609637		2.16	12.75	0.15	2.2	1.005	0.036	1.62	31.9	13.8	0.27	51	8.35	0.05	10.5	62.6
R609638		2.51	12.95	0.15	2.1	1.030	0.038	1.72	32.7	13.9	0.29	67	9.55	0.08	10.4	76.0
R609639		2.70	13.15	0.15	2.1	1.200	0.041	1.75	32.8	14.3	0.31	79	9.87	0.10	10.6	80.0
R609640		2.96	13.65	0.16	2.1	1.285	0.041	1.82	34.0	15.1	0.33	92	10.40	0.12	11.1	85.0

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 25- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS KL16109143

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
R609626		910	84.7	79.7	0.018	0.13	6.13	8.9	8	1.3	155.0	0.60	0.10	6.11	0.263	1.58
R609627		1120	61.2	81.0	0.022	0.14	6.80	9.5	10	1.3	172.0	0.60	0.09	6.55	0.262	1.72
R609628		860	41.7	86.0	0.032	0.14	6.82	8.4	7	1.4	162.5	0.79	0.09	6.78	0.284	1.78
R609629		990	41.9	85.5	0.031	0.15	6.62	8.8	9	1.5	178.5	0.74	0.09	6.77	0.277	1.93
R609630		860	35.1	79.8	0.030	0.13	6.01	8.2	7	1.3	159.0	0.70	0.13	6.42	0.265	1.54
R609631		960	40.3	73.5	0.020	0.14	5.66	8.0	8	1.2	182.0	0.60	0.06	5.77	0.262	1.55
R609632		1010	61.7	77.5	0.019	0.13	6.45	8.6	9	1.3	197.5	0.61	0.08	6.07	0.253	1.67
R609633		1040	40.9	79.0	0.020	0.13	5.83	8.7	9	1.3	187.0	0.63	0.08	6.23	0.262	1.75
R609634		1050	42.3	81.4	0.018	0.16	5.95	9.0	9	1.3	184.5	0.63	0.08	6.15	0.259	1.70
R609635		960	45.8	81.8	0.018	0.18	6.20	8.9	9	1.3	174.0	0.63	0.07	6.18	0.258	1.74
R609636		990	43.7	84.5	0.016	0.22	6.28	9.4	9	1.5	183.0	0.64	0.09	6.47	0.266	1.91
R609637		930	40.7	84.4	0.019	0.25	6.05	9.1	9	1.4	166.0	0.69	0.08	6.64	0.267	1.82
R609638		1140	49.1	87.6	0.016	0.31	6.70	9.8	10	1.4	197.5	0.68	0.09	6.77	0.276	2.18
R609639		1300	52.5	89.3	0.010	0.35	6.88	10.0	10	1.4	214	0.68	0.09	7.05	0.282	2.48
R609640		1390	56.8	92.9	0.010	0.38	7.30	10.6	11	1.4	231	0.71	0.09	7.33	0.294	2.83

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 25- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS KL16109143

Sample Description	Method Analyte Units LOR	ME- MS61 U ppm 0.1	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
R609626		5.6	288	2.5	25.1	312	80.1
R609627		6.4	298	2.6	26.9	422	81.3
R609628		5.6	403	2.6	24.8	260	93.2
R609629		5.9	358	2.7	25.4	297	90.2
R609630		5.5	348	2.7	23.7	296	83.0
R609631		5.4	318	2.4	28.5	337	76.7
R609632		5.7	301	2.5	24.6	330	79.4
R609633		5.8	303	2.6	25.3	357	79.9
R609634		5.8	301	2.6	25.5	351	82.4
R609635		5.7	298	2.7	25.0	350	80.1
R609636		5.9	302	2.8	25.7	345	82.8
R609637		5.8	312	3.0	26.0	315	85.9
R609638		6.1	307	3.3	26.6	374	84.3
R609639		6.4	311	3.6	27.8	396	86.5
R609640		6.4	318	3.9	29.2	416	91.0

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Finalized Date: 25- JUL- 2016
Account: RCM

CERTIFICATE OF ANALYSIS KL16109143

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Kamloops located at 2953 Shuswap Drive, Kamloops, BC, Canada.

CRU- 31	CRU- QC	LOG- 21	PUL- 31
PUL- QC	SPL- 21	WEI- 21	

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA26	Hg- MS42	ME- MS61

ALS Canada Ltd.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28- JUL- 2016
Account: RCM

CERTIFICATE TR16111108

Project: Nadaleen

P.O. No.: N16- B03

This report is for 91 Rock samples submitted to our lab in Whitehorse, YT, Canada on 11- JUL- 2016.

The following have access to data associated with this certificate:

ROB CARNE JOAN MARIACHER	GRAHAM DOWNS	JULIA LANE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test

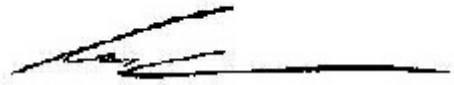
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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VANCOUVER BC V6B 1L8

Finalized Date: 28- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS TR16111108

Sample Description	Method	WEI- 21	Au- AA26	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R609641		1.47	0.10	1.62	3.73	261	4190	1.20	0.16	5.06	3.38	39.1	4.4	128	10.80	54.3
R609642		1.59	0.02	2.88	4.64	111.5	1570	1.22	0.21	0.24	0.54	60.5	1.0	108	14.25	12.0
R609643		1.74	0.02	1.84	4.38	1265	1370	1.50	0.20	0.15	1.89	53.1	0.8	124	13.15	31.5
R609644		1.90	0.01	1.85	4.39	1910	1840	1.49	0.21	0.15	2.54	57.0	0.8	129	12.45	29.1
R609646		1.30	0.03	1.78	4.54	1485	2050	1.43	0.22	0.13	2.04	57.0	1.1	123	12.05	31.9
R609647		1.92	0.02	2.72	4.15	1935	1820	1.46	0.19	0.13	2.89	54.0	0.7	127	11.60	30.1
R609648		1.53	0.02	2.68	4.00	1700	2270	1.47	0.19	0.13	2.29	53.0	0.6	125	10.20	28.7
R609649		2.22	0.01	3.91	4.93	2350	2240	1.87	0.20	0.16	4.59	57.5	0.7	149	11.50	57.7
R609650		1.95	0.01	2.48	4.47	2010	1640	2.11	0.20	0.18	3.44	53.9	0.7	122	10.15	62.3
R609651		1.94	0.01	2.49	4.41	2060	2590	2.11	0.18	0.19	2.77	51.8	0.8	139	9.18	60.8
R609652		1.67	0.01	2.93	4.39	1610	2640	2.05	0.19	0.16	2.35	54.7	0.8	134	9.40	51.4
R609653		1.83	<0.01	1.75	4.58	1360	2050	2.39	0.19	0.17	1.72	53.7	0.7	150	10.25	52.8
R609654		1.69	0.01	2.31	4.41	2220	2630	2.18	0.17	0.21	2.90	51.9	0.9	154	11.00	51.6
R609655		1.73	0.01	1.77	4.37	2380	2350	2.01	0.19	0.21	3.87	54.1	1.2	137	12.40	66.0
R609656		1.66	0.01	2.98	4.39	2010	2260	2.04	0.20	0.23	3.83	54.1	0.8	136	13.15	55.4
R609657		1.64	0.01	1.69	4.37	1580	2130	1.96	0.21	0.22	2.57	57.7	0.9	135	13.35	53.5
R609658		1.68	0.01	2.36	4.67	938	1280	1.80	0.20	0.16	0.81	58.8	0.6	146	13.55	44.9
R609659		2.48	<0.01	1.64	4.65	936	1210	1.86	0.19	0.17	0.99	57.6	0.6	180	14.25	65.5
R609660		1.57	<0.01	2.22	4.60	1055	1130	2.05	0.20	0.17	1.49	57.7	0.7	176	13.70	61.3
R609661		1.75	0.01	4.35	4.34	1905	1510	2.06	0.17	0.19	4.24	52.5	0.6	166	13.85	67.6
R609662		2.32	<0.01	5.16	4.01	1215	2180	1.44	0.15	0.15	2.77	51.0	0.5	149	12.35	42.6
R609663		2.04	<0.01	4.28	3.83	1400	1110	1.50	0.15	0.19	3.07	47.6	0.4	137	12.50	53.8
R609664		1.94	<0.01	3.38	4.02	1550	1020	1.96	0.16	0.32	3.62	42.2	0.5	132	14.45	96.7
R609665		1.39	0.01	3.42	4.44	168.5	4180	1.53	0.18	2.72	6.36	46.7	5.7	191	13.00	66.7
R609666		1.60	0.01	3.20	3.80	122.0	3640	1.27	0.15	5.47	6.19	41.8	5.1	166	11.30	58.4
R609667		1.50	<0.01	2.19	4.67	100.5	2740	1.44	0.18	5.02	5.06	45.9	10.8	140	10.60	73.9
R609668		1.78	0.01	1.57	4.26	111.5	1900	1.36	0.17	7.05	3.23	49.7	6.0	104	11.00	43.4
R609669		1.52	<0.01	0.53	4.89	115.5	1180	1.45	0.18	8.61	1.78	54.7	9.6	79	9.68	48.0
R609670		1.68	<0.01	0.16	4.74	35.0	550	1.13	0.17	10.30	0.64	55.1	10.0	52	4.37	32.4
R609671		1.32	<0.01	0.48	5.01	150.0	1210	1.33	0.19	7.91	1.52	57.7	8.5	69	9.92	37.9
R609672		1.56	0.03	1.30	5.25	191.0	2230	1.35	0.22	0.47	1.00	64.8	3.6	102	19.15	29.4
R609673		1.47	0.01	1.07	5.49	96.3	2400	1.70	0.22	0.28	0.89	65.4	3.1	96	17.10	78.8
R609674		1.22	0.01	0.84	5.88	136.0	2200	1.67	0.23	0.19	0.47	67.1	1.7	90	16.05	61.8
R609675		2.29	0.04	0.98	5.92	191.5	2050	1.87	0.21	0.58	1.03	66.8	3.1	98	19.30	60.7
R609676		1.70	0.01	0.72	5.78	392	1860	1.74	0.25	0.13	0.99	64.9	1.8	87	19.55	36.0
R609677		1.80	0.01	0.70	6.15	103.5	2190	1.88	0.24	0.16	0.60	67.0	2.9	93	20.3	49.3
R609678		1.74	0.01	0.78	5.99	421	1300	1.96	0.25	0.17	1.76	64.0	5.6	107	19.55	157.0
R609679		1.70	0.01	0.82	6.45	372	1850	2.07	0.27	0.18	1.06	69.7	6.0	113	21.1	232
R609680		1.68	0.01	0.83	5.72	364	1070	1.76	0.23	0.29	1.35	61.0	6.1	107	17.50	215
R609681		1.93	0.01	0.70	5.44	394	920	1.95	0.23	0.13	2.32	55.3	8.2	96	17.20	177.0

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Finalized Date: 28- JUL- 2016
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CERTIFICATE OF ANALYSIS TR16111108

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R609641		2.45	9.56	0.18	1.7	1.515	0.038	1.31	27.3	15.1	0.41	137	10.50	0.06	8.0	75.2
R609642		1.39	13.55	0.18	3.7	2.31	0.037	2.11	37.6	8.7	0.28	35	6.73	0.03	19.9	19.1
R609643		4.96	13.90	0.17	2.6	2.99	0.085	2.14	32.9	8.8	0.27	57	22.5	0.03	17.4	25.1
R609644		5.09	14.85	0.16	2.7	1.265	0.079	2.11	35.0	10.2	0.26	47	33.1	0.02	18.3	24.1
R609646		4.66	15.15	0.19	2.8	3.86	0.063	1.98	34.8	9.6	0.27	53	30.7	0.03	18.4	23.9
R609647		5.19	14.25	0.18	2.5	2.22	0.083	1.91	33.0	9.2	0.22	33	38.6	0.02	17.3	24.9
R609648		4.56	13.30	0.17	2.5	1.680	0.090	1.78	32.6	8.7	0.20	42	38.1	0.02	17.5	26.2
R609649		5.86	15.60	0.19	2.6	1.660	0.068	2.18	35.5	8.9	0.25	31	40.3	0.03	18.8	26.3
R609650		4.38	13.95	0.17	2.5	0.685	0.063	1.89	32.4	8.5	0.23	34	26.5	0.02	17.0	31.2
R609651		4.68	13.30	0.16	2.4	0.551	0.071	1.77	31.8	8.7	0.21	31	19.55	0.02	16.6	33.3
R609652		4.64	14.05	0.18	2.5	0.928	0.065	1.88	33.5	8.5	0.23	31	21.0	0.02	18.0	30.2
R609653		3.28	13.60	0.16	2.6	0.418	0.067	1.81	33.0	8.2	0.25	21	14.35	0.03	17.7	29.8
R609654		4.93	14.60	0.16	2.4	0.742	0.099	1.92	31.5	9.3	0.24	43	26.3	0.02	16.5	34.2
R609655		6.44	15.10	0.16	2.5	0.914	0.080	1.89	32.9	9.3	0.27	39	22.2	0.02	16.9	51.9
R609656		4.42	14.50	0.17	2.4	1.080	0.108	1.87	34.3	9.4	0.26	40	15.25	0.02	17.1	34.7
R609657		3.60	15.50	0.18	2.7	0.643	0.100	1.85	36.0	10.6	0.29	47	14.80	0.02	19.2	33.8
R609658		2.63	19.35	0.16	2.8	0.624	0.097	2.02	36.1	10.3	0.32	23	13.40	0.03	19.9	24.5
R609659		2.80	17.90	0.18	2.8	0.570	0.145	1.98	35.1	11.3	0.32	20	14.30	0.03	19.2	23.4
R609660		2.72	17.55	0.18	2.7	0.604	0.133	1.95	35.0	9.5	0.29	29	12.70	0.02	18.8	20.0
R609661		5.31	15.30	0.18	2.5	0.818	0.120	2.06	32.5	9.2	0.27	23	25.2	0.03	16.9	21.5
R609662		4.40	13.90	0.18	2.3	1.585	0.095	2.00	31.0	8.9	0.22	22	22.2	0.02	16.3	17.6
R609663		5.15	13.30	0.18	2.0	1.885	0.114	1.89	27.7	9.8	0.18	25	29.2	0.04	12.9	13.9
R609664		6.31	13.20	0.20	1.7	2.51	0.086	1.87	26.3	9.4	0.21	34	32.4	0.05	7.9	20.5
R609665		2.65	12.35	0.17	2.3	0.690	0.037	1.60	32.7	20.2	0.57	163	14.35	0.11	11.4	84.6
R609666		2.43	11.20	0.17	2.0	0.631	0.035	1.37	29.7	18.1	0.75	186	12.30	0.09	10.3	74.3
R609667		3.44	13.10	0.16	2.5	0.479	0.048	1.49	28.6	30.0	1.42	311	9.85	0.35	12.0	70.1
R609668		2.49	11.85	0.15	2.2	0.577	0.039	1.68	29.2	20.0	1.15	345	7.01	0.12	13.2	49.4
R609669		3.21	12.45	0.15	2.4	0.246	0.048	1.79	30.0	26.6	1.48	418	4.53	0.24	13.5	43.0
R609670		3.27	11.60	0.14	2.3	0.112	0.042	1.59	29.0	30.5	2.20	548	1.77	0.38	10.3	29.8
R609671		3.03	12.35	0.14	2.3	0.349	0.042	1.91	31.2	21.9	2.06	460	3.33	0.28	14.4	37.9
R609672		2.03	14.60	0.16	2.9	1.225	0.044	2.18	36.6	15.9	0.45	82	5.69	0.12	17.8	34.4
R609673		1.43	15.80	0.16	2.8	0.980	0.043	2.37	37.3	14.6	0.43	44	4.39	0.07	18.5	28.5
R609674		1.39	16.50	0.17	2.9	0.713	0.042	2.59	37.3	13.7	0.46	32	4.16	0.04	18.4	25.1
R609675		1.62	17.55	0.18	3.0	0.744	0.044	2.58	37.3	16.0	0.53	64	6.31	0.08	19.0	29.8
R609676		1.55	17.05	0.18	3.0	0.595	0.037	2.62	35.6	12.9	0.45	29	6.77	0.03	18.4	23.8
R609677		1.70	18.25	0.20	3.0	0.582	0.042	2.75	36.8	13.4	0.46	26	3.26	0.04	18.8	27.4
R609678		2.18	16.35	0.18	2.8	0.495	0.055	2.60	35.3	11.9	0.42	29	4.64	0.03	16.7	59.1
R609679		1.71	18.75	0.17	2.8	0.444	0.061	2.82	38.7	13.5	0.47	31	4.11	0.04	18.1	48.7
R609680		3.21	16.25	0.17	2.7	1.100	0.056	2.46	33.4	13.0	0.44	45	4.19	0.04	16.9	45.6
R609681		5.87	14.85	0.16	2.2	1.355	0.053	2.32	27.6	10.8	0.38	32	3.92	0.03	15.8	58.5

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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VANCOUVER BC V6B 1L8

Finalized Date: 28- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS TR16111108

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
R609641		1360	43.9	64.6	0.014	0.29	5.40	7.9	7	1.3	341	0.51	0.14	5.52	0.222	2.64
R609642		600	36.0	96.2	0.008	0.37	6.34	7.1	5	1.8	231	1.17	0.16	8.83	0.343	6.06
R609643		1290	19.1	92.9	0.020	0.65	12.15	7.9	7	1.6	413	1.02	0.23	7.93	0.300	8.05
R609644		1570	21.9	94.1	0.007	0.55	14.50	7.6	8	1.7	425	1.05	0.20	8.41	0.305	11.65
R609646		1390	22.8	89.4	0.008	0.31	12.75	7.6	8	1.8	329	1.09	0.16	8.45	0.320	5.88
R609647		1510	32.4	81.6	0.006	0.50	13.75	8.3	9	1.5	388	0.99	0.23	7.77	0.285	8.31
R609648		1770	45.4	73.3	0.002	0.37	14.60	9.2	9	1.5	434	1.01	0.19	7.61	0.285	4.27
R609649		1750	76.1	88.2	<0.002	0.32	16.85	9.5	8	1.7	354	1.05	0.21	8.07	0.334	4.99
R609650		1740	42.0	83.4	<0.002	0.31	13.15	9.3	5	1.6	284	0.98	0.20	7.65	0.285	6.27
R609651		2340	32.9	77.2	<0.002	0.25	11.55	9.6	4	1.5	285	0.95	0.15	7.28	0.290	5.39
R609652		1960	31.2	80.6	<0.002	0.32	10.85	9.0	5	1.6	274	1.01	0.18	7.57	0.300	4.17
R609653		2230	17.0	81.6	<0.002	0.18	6.50	10.4	5	1.6	237	1.04	0.12	7.46	0.292	3.37
R609654		2730	38.8	82.1	<0.002	0.41	12.25	13.7	5	1.5	381	0.94	0.17	7.25	0.279	4.95
R609655		2790	28.9	84.2	<0.002	0.21	10.15	12.6	6	1.6	220	0.98	0.17	7.69	0.300	4.75
R609656		3570	53.5	84.5	<0.002	0.14	8.27	18.9	5	1.7	225	0.99	0.15	7.83	0.295	5.84
R609657		3040	20.1	87.4	<0.002	0.14	8.16	17.6	5	1.8	247	1.09	0.19	8.41	0.319	4.89
R609658		2010	41.6	95.4	<0.002	0.09	9.95	14.9	4	1.8	189.0	1.14	0.20	8.46	0.333	3.32
R609659		1870	20.5	94.8	<0.002	0.05	9.62	18.4	8	1.8	169.5	1.11	0.18	8.43	0.328	3.15
R609660		1950	39.2	92.6	<0.002	0.07	9.43	17.1	7	1.7	250	1.08	0.14	7.99	0.314	3.21
R609661		2500	51.1	93.8	<0.002	0.55	13.85	13.6	6	1.5	735	0.98	0.15	7.30	0.284	10.45
R609662		2000	153.5	86.1	0.003	0.67	15.75	10.1	7	1.5	481	0.95	0.14	7.26	0.269	12.35
R609663		2770	92.5	86.8	0.002	0.86	20.2	11.1	9	1.5	540	0.77	0.20	7.00	0.251	18.15
R609664		3870	37.7	91.9	0.008	0.84	13.55	8.0	15	1.4	800	0.51	0.23	6.02	0.219	18.00
R609665		2000	35.3	79.6	0.019	0.28	6.59	10.3	9	1.4	303	0.73	0.16	7.04	0.283	2.12
R609666		1820	27.5	70.8	0.024	0.24	5.49	9.1	9	1.2	347	0.65	0.08	5.83	0.251	1.72
R609667		1430	23.3	71.3	0.032	0.20	5.24	12.1	7	1.4	248	0.78	0.14	6.37	0.381	1.61
R609668		1120	18.4	76.0	0.035	0.17	4.49	8.3	5	1.4	246	0.81	0.08	7.10	0.282	1.65
R609669		960	17.0	80.5	0.016	0.10	3.00	9.4	4	1.5	245	0.90	0.10	7.81	0.338	1.05
R609670		670	16.2	68.1	0.003	0.07	1.12	8.7	4	1.4	247	0.70	0.06	8.03	0.309	0.61
R609671		920	20.0	80.1	<0.002	0.09	2.53	8.4	2	1.6	191.5	0.93	0.09	8.19	0.338	1.19
R609672		860	23.1	100.5	0.010	0.17	6.41	8.3	5	1.8	227	1.07	0.14	9.17	0.342	3.06
R609673		780	19.8	110.0	0.010	0.14	5.72	8.4	3	1.8	229	1.13	0.09	9.37	0.362	3.48
R609674		800	16.1	120.0	0.018	0.11	4.27	8.7	3	1.9	236	1.11	0.10	9.84	0.382	3.70
R609675		730	16.8	124.0	0.018	0.11	4.90	9.5	4	1.9	199.0	1.10	0.10	9.74	0.376	3.29
R609676		740	13.2	123.5	0.011	0.13	4.66	9.1	7	2.0	202	1.06	0.13	9.22	0.364	2.73
R609677		890	20.2	129.0	0.007	0.88	4.54	9.7	10	1.9	296	1.13	0.15	10.00	0.379	3.00
R609678		920	16.6	121.5	0.008	1.55	3.64	10.3	6	1.9	170.0	1.01	0.15	8.96	0.350	2.38
R609679		930	15.8	135.5	0.008	0.92	3.40	12.0	6	2.0	203	1.07	0.13	10.10	0.376	2.45
R609680		1020	17.2	117.5	0.005	2.56	3.92	10.3	5	1.7	237	1.01	0.13	8.54	0.340	7.41
R609681		1110	15.5	110.5	0.005	5.96	4.08	9.2	5	1.6	297	0.92	0.13	7.72	0.321	8.51

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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VANCOUVER BC V6B 1L8

Finalized Date: 28- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS TR16111108

Sample Description	Method Analyte Units LOR	ME- MS61 U ppm 0.1	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
R609641		5.3	271	2.1	25.2	316	65.1
R609642		5.7	523	8.4	23.6	72	114.0
R609643		6.0	633	5.3	21.9	208	99.4
R609644		6.9	629	5.8	24.1	200	104.5
R609646		6.8	636	5.8	24.6	219	107.5
R609647		6.6	615	8.1	24.4	242	99.0
R609648		7.1	576	8.6	24.2	199	98.8
R609649		9.3	727	6.7	30.8	287	106.5
R609650		13.0	615	4.4	29.1	193	96.5
R609651		15.5	617	4.4	30.0	180	94.1
R609652		13.6	633	4.9	28.4	177	99.4
R609653		20.6	565	4.2	38.3	110	100.0
R609654		17.0	629	4.7	29.5	190	93.8
R609655		14.7	667	4.4	28.5	351	97.5
R609656		14.8	583	5.4	31.4	221	100.5
R609657		16.1	575	4.0	33.4	166	107.0
R609658		13.3	592	4.2	28.3	87	112.5
R609659		20.7	602	3.8	27.9	87	111.0
R609660		22.7	591	3.7	29.0	91	113.0
R609661		20.9	726	6.0	28.3	148	96.5
R609662		18.9	578	8.7	22.9	96	90.7
R609663		20.3	530	7.0	22.7	77	78.8
R609664		27.3	621	4.7	20.8	92	69.1
R609665		7.2	370	2.1	31.0	385	84.0
R609666		6.1	322	1.8	29.9	329	78.5
R609667		5.0	340	2.0	30.0	267	87.9
R609668		4.3	308	1.9	22.7	215	83.6
R609669		3.3	228	2.7	20.9	206	86.9
R609670		2.4	103	1.9	16.1	125	76.4
R609671		3.2	199	1.8	18.8	210	82.5
R609672		4.7	452	4.4	21.7	142	105.5
R609673		4.7	416	5.4	22.2	109	108.0
R609674		4.8	373	3.8	19.5	74	111.5
R609675		5.0	385	4.7	22.2	111	115.0
R609676		4.1	348	5.0	29.9	82	115.5
R609677		4.8	374	4.8	21.2	107	113.5
R609678		5.1	382	5.0	24.4	136	107.0
R609679		5.1	408	4.8	23.0	123	114.5
R609680		4.9	389	6.2	22.7	138	104.5
R609681		4.9	362	5.2	25.7	198	94.9

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Finalized Date: 28- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS TR16111108

Sample Description	Method	WEI- 21	Au- AA26	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2
R609682		1.91	0.01	0.75	6.41	280	1690	2.45	0.33	0.13	3.51	70.0	8.9	103	21.1	151.5
R609683		2.03	0.01	0.89	6.06	175.5	1330	2.27	0.27	0.32	2.78	66.0	9.2	100	19.85	101.0
R609684		2.00	0.01	0.83	6.08	236	830	2.19	0.28	0.20	1.53	66.1	10.6	103	19.80	90.9
R609685		1.85	0.01	3.06	5.48	872	690	1.69	0.23	0.78	1.11	57.4	11.0	82	15.60	76.9
R609686		2.42	0.01	1.01	5.76	223	1250	1.99	0.23	0.46	1.95	64.0	9.8	97	17.45	77.1
R609687		1.92	0.01	0.84	5.52	284	1040	1.76	0.23	0.28	1.37	61.3	10.4	97	16.20	78.1
R609688		1.64	0.01	1.37	5.67	182.0	1600	1.93	0.23	0.20	1.24	65.3	8.7	104	17.20	68.7
R609689		1.74	<0.01	2.06	6.16	760	930	2.03	0.26	0.24	1.09	67.7	11.5	102	17.30	85.0
R609690		1.60	0.01	1.14	5.76	1095	890	1.84	0.26	0.22	1.28	60.0	10.4	99	16.00	78.2
R609691		1.64	0.01	1.46	5.54	1540	910	1.68	0.23	0.25	1.12	59.7	10.1	99	14.40	68.4
R609692		1.92	0.01	1.47	5.91	1225	990	1.89	0.25	0.25	1.39	62.6	10.9	101	14.45	81.8
R609693		1.67	0.01	1.07	5.68	774	910	1.92	0.23	0.39	1.57	59.9	11.0	94	15.40	79.4
R609694		1.86	0.01	1.16	5.64	892	890	1.77	0.22	0.35	1.51	59.2	10.2	101	14.55	77.5
R609695		1.78	0.01	1.32	5.83	1045	1000	1.69	0.24	0.30	1.32	61.8	8.6	102	15.40	75.9
R609696		1.79	0.01	0.78	5.78	764	820	1.84	0.24	0.26	1.67	63.3	10.2	100	13.65	84.9
R607520		1.94	0.15	2.41	3.86	181.0	5520	1.38	0.15	3.23	5.53	41.2	4.7	163	11.20	56.5
R607521		2.39	0.06	2.02	4.13	216	6590	1.30	0.16	4.30	3.98	41.2	6.6	142	10.20	58.3
R607522		2.48	0.04	3.33	4.59	182.5	2630	1.62	0.20	0.36	1.06	59.3	2.5	113	10.50	33.5
R607523		2.31	0.04	5.90	5.77	328	1780	1.77	0.28	0.21	0.77	72.3	3.0	110	12.35	34.9
R607524		2.20	0.03	0.92	5.80	320	2220	1.35	0.27	0.11	0.28	67.7	2.2	97	10.85	11.8
R607525		1.98	4.32	1.99	5.36	978	1110	1.18	0.23	0.10	0.99	61.5	3.6	97	9.67	95.6
R607526		1.57	0.38	1.18	5.81	1135	1180	1.21	0.26	0.08	0.54	65.7	2.0	111	13.00	65.5
R607527		2.12	0.06	0.76	5.84	176.0	920	1.28	0.25	0.08	0.25	67.3	1.9	115	16.00	53.5
R607528		2.76	0.08	1.05	5.70	152.0	790	1.55	0.25	0.08	0.16	62.9	2.7	107	11.30	102.0
R607529		2.12	0.04	0.90	5.79	197.0	610	1.56	0.28	0.08	0.11	63.1	4.0	108	11.60	187.5
R607530		2.35	0.02	0.76	5.82	212	830	1.65	0.27	0.08	0.10	64.0	3.6	111	12.50	294
R607531		2.45	0.01	0.77	5.87	123.0	1420	1.74	0.26	0.07	0.59	67.9	3.4	117	12.55	319
R607532		1.85	0.01	0.77	6.03	132.5	980	1.81	0.26	0.08	1.36	69.5	3.5	119	13.05	222
R607533		2.13	0.01	0.76	5.90	194.0	550	1.81	0.26	0.09	0.70	64.0	4.4	114	12.65	192.0
R607534		2.85	0.01	0.74	6.08	292	690	1.94	0.27	0.10	1.11	68.1	8.6	117	13.20	189.0
R607535		2.55	0.01	0.70	5.88	368	680	1.87	0.25	0.10	1.15	64.8	8.4	109	12.75	190.5
R607536		2.48	0.01	0.74	5.98	451	760	1.79	0.27	0.11	1.38	64.7	9.1	114	13.60	220
R607537		2.22	0.02	0.81	5.81	420	810	2.02	0.27	0.11	3.65	61.1	9.4	110	12.55	169.0
R607538		2.58	0.01	0.88	5.91	445	970	1.96	0.27	0.11	7.08	64.3	10.9	113	12.50	118.0
R607539		2.43	0.01	0.88	5.51	485	670	1.74	0.26	0.10	4.70	57.1	10.6	104	11.40	94.8
R607540		2.85	0.01	0.83	5.50	459	770	1.93	0.25	0.10	5.37	58.9	10.6	103	11.40	95.5
R607541		1.88	0.01	1.22	6.01	722	630	2.12	0.27	0.09	6.19	63.6	10.5	113	13.50	172.0
R607542		2.30	0.01	0.89	5.71	605	730	2.31	0.28	0.08	2.50	60.0	10.4	107	12.60	200
R607543		2.41	0.01	0.78	6.05	636	830	2.04	0.27	0.09	3.96	64.0	11.1	113	12.90	155.0
R607544		1.81	<0.01	0.78	5.67	542	860	2.01	0.26	0.10	4.18	60.9	10.0	107	12.25	125.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS TR16111108

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R609682		1.85	18.50	0.15	2.8	0.462	0.065	2.79	38.8	14.2	0.48	34	4.47	0.03	18.1	76.9
R609683		2.10	18.00	0.14	2.6	0.606	0.062	2.68	36.9	13.8	0.50	56	4.23	0.03	17.8	67.8
R609684		2.77	17.90	0.15	2.8	0.848	0.063	2.74	35.8	12.7	0.47	40	3.79	0.03	16.9	59.7
R609685		5.08	15.50	0.16	2.5	0.783	0.059	2.42	29.6	10.2	0.60	161	4.03	0.03	16.0	58.8
R609686		2.42	16.90	0.17	2.7	0.842	0.057	2.58	35.7	12.2	0.53	100	3.95	0.03	17.3	52.3
R609687		3.11	16.40	0.16	2.6	0.981	0.057	2.46	33.8	11.3	0.44	116	4.36	0.03	17.1	62.3
R609688		2.00	17.30	0.15	2.7	0.862	0.058	2.52	37.1	12.5	0.42	68	4.46	0.03	18.1	54.0
R609689		2.99	18.30	0.16	2.8	0.960	0.061	2.79	37.4	11.6	0.45	75	4.47	0.03	18.9	62.7
R609690		3.56	16.55	0.17	2.8	1.390	0.057	2.54	35.1	11.1	0.42	70	4.67	0.03	17.3	61.4
R609691		3.39	16.00	0.16	2.7	1.415	0.053	2.47	32.8	11.5	0.42	65	4.11	0.03	18.3	54.3
R609692		3.43	17.60	0.16	2.7	1.595	0.065	2.62	34.0	11.5	0.43	84	4.55	0.03	17.8	61.8
R609693		4.03	16.70	0.15	2.7	2.48	0.059	2.50	31.2	11.6	0.48	110	6.27	0.03	18.5	66.3
R609694		4.64	16.05	0.17	2.8	2.85	0.056	2.46	31.3	11.6	0.45	76	7.27	0.03	18.2	68.6
R609695		2.95	17.10	0.17	2.7	1.770	0.061	2.55	34.1	12.6	0.45	61	4.77	0.03	18.8	54.4
R609696		3.09	17.30	0.15	2.9	2.13	0.057	2.52	34.9	12.6	0.44	49	6.62	0.03	20.3	69.7
R607520		2.44	11.00	0.16	1.8	1.815	0.043	1.36	30.8	18.8	0.29	94	13.15	0.05	8.4	86.0
R607521		2.74	11.55	0.14	1.8	1.220	0.048	1.37	28.9	20.0	0.55	139	10.65	0.14	8.9	73.7
R607522		1.15	14.50	0.15	2.9	2.89	0.054	1.96	37.1	9.9	0.28	43	7.23	0.03	19.8	20.9
R607523		1.15	18.60	0.17	3.1	3.24	0.051	2.49	42.3	11.1	0.34	117	10.15	0.03	21.4	30.4
R607524		1.10	17.10	0.17	2.8	3.46	0.047	2.42	39.0	15.6	0.34	59	5.77	0.02	19.3	27.8
R607525		2.26	16.40	0.17	2.7	8.04	0.040	2.40	35.9	13.0	0.27	26	6.06	0.02	18.0	34.4
R607526		2.25	19.30	0.18	2.6	3.63	0.211	2.44	37.0	13.4	0.26	25	3.61	0.02	18.2	24.1
R607527		2.60	19.20	0.18	2.7	2.10	0.095	2.44	36.8	14.0	0.35	21	4.04	0.03	18.0	26.5
R607528		2.76	18.20	0.17	2.7	1.630	0.057	2.48	33.6	10.7	0.37	23	4.30	0.03	18.1	31.7
R607529		2.95	18.95	0.17	2.7	2.14	0.054	2.50	32.6	12.2	0.38	21	4.21	0.03	17.5	36.2
R607530		2.47	20.2	0.16	2.7	1.270	0.080	2.45	35.1	14.7	0.40	23	4.36	0.03	19.1	36.2
R607531		1.47	19.15	0.16	2.7	0.651	0.139	2.44	38.4	16.0	0.40	20	6.95	0.03	19.3	38.5
R607532		1.67	19.40	0.17	2.8	0.613	0.112	2.53	38.9	16.1	0.41	21	8.47	0.03	19.3	37.4
R607533		2.91	18.55	0.17	2.6	0.896	0.084	2.49	34.1	15.6	0.41	22	10.85	0.03	18.1	46.3
R607534		2.67	18.80	0.18	2.7	0.924	0.081	2.55	37.6	16.2	0.42	27	7.69	0.03	18.9	55.3
R607535		2.97	18.30	0.17	2.6	0.999	0.073	2.51	34.6	15.2	0.41	25	6.95	0.03	18.4	54.7
R607536		3.54	18.35	0.18	2.7	1.105	0.083	2.52	33.3	14.6	0.41	27	6.57	0.03	19.0	60.0
R607537		3.71	17.90	0.19	2.6	1.220	0.072	2.48	31.3	14.6	0.40	27	5.98	0.03	17.6	60.6
R607538		3.82	18.25	0.19	2.7	1.270	0.069	2.46	32.6	13.9	0.39	30	6.61	0.03	17.8	67.7
R607539		4.17	16.85	0.18	2.6	1.640	0.055	2.35	28.6	11.9	0.35	31	6.60	0.03	15.8	70.1
R607540		3.52	17.15	0.18	2.5	1.560	0.061	2.29	30.7	11.9	0.35	34	6.54	0.03	16.3	68.2
R607541		3.41	18.60	0.19	2.7	1.695	0.076	2.55	33.0	12.2	0.38	26	6.48	0.03	17.9	66.0
R607542		4.10	18.35	0.17	2.6	1.595	0.070	2.46	30.4	11.8	0.38	27	5.55	0.03	17.7	65.3
R607543		3.61	18.60	0.17	2.7	1.575	0.074	2.58	33.2	13.0	0.42	26	5.79	0.03	18.6	65.8
R607544		3.40	17.20	0.18	2.7	1.275	0.063	2.42	31.6	12.5	0.39	28	5.73	0.03	17.1	62.1

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
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Finalized Date: 28- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS TR16111108

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
R609682		990	18.1	136.5	0.005	1.10	3.64	11.4	6	2.0	288	1.08	0.15	9.95	0.370	2.39
R609683		820	19.2	132.5	0.006	1.39	4.02	10.7	5	1.9	192.5	1.06	0.11	9.68	0.356	3.17
R609684		740	18.2	134.0	0.005	2.33	4.08	10.3	6	2.0	173.0	1.02	0.15	9.45	0.357	5.27
R609685		840	19.6	113.5	0.007	4.52	6.18	9.7	5	1.7	182.0	0.93	0.11	7.75	0.324	4.23
R609686		810	15.8	124.5	0.005	1.61	3.93	9.7	5	1.8	167.5	1.01	0.13	8.91	0.351	2.56
R609687		850	14.7	119.0	0.005	2.28	4.27	8.7	6	1.9	194.5	1.02	0.09	8.71	0.343	3.80
R609688		770	15.9	123.5	0.005	1.13	4.34	9.0	5	1.8	174.5	1.06	0.12	9.17	0.356	2.74
R609689		900	15.2	133.5	0.005	2.43	5.23	9.7	5	2.0	172.0	1.13	0.14	9.92	0.371	4.59
R609690		870	16.9	120.0	0.006	3.09	6.12	9.2	6	1.8	174.0	1.05	0.14	8.86	0.355	7.38
R609691		810	19.3	115.5	0.006	2.84	6.84	8.7	6	1.8	174.0	2.48	0.11	8.52	0.347	5.42
R609692		870	18.9	123.5	0.006	2.87	5.75	9.1	5	2.0	171.0	1.07	0.11	8.99	0.358	5.73
R609693		980	19.8	120.5	0.006	3.36	5.82	9.3	6	1.9	199.0	1.08	0.13	8.42	0.351	7.82
R609694		1000	22.4	116.5	0.009	4.33	7.01	8.9	7	1.8	217	1.09	0.11	8.28	0.348	8.81
R609695		870	17.4	122.0	0.006	2.36	5.37	9.4	5	1.9	186.0	1.13	0.14	8.57	0.366	5.49
R609696		1050	20.5	123.5	0.006	2.82	5.51	9.3	6	2.0	184.5	1.22	0.12	8.79	0.373	6.07
R607520		2390	29.0	74.5	0.016	0.31	5.54	9.2	11	1.2	358	0.52	0.11	5.74	0.229	2.64
R607521		1760	32.9	71.0	0.015	0.31	5.48	9.9	9	1.3	390	0.56	0.12	5.59	0.279	2.55
R607522		720	56.3	94.4	0.008	0.23	6.80	9.6	4	1.8	230	1.17	0.12	8.34	0.341	5.52
R607523		750	72.8	121.5	0.012	0.18	10.70	12.8	6	2.1	252	1.25	0.16	10.00	0.391	5.40
R607524		1060	27.8	116.5	0.009	0.24	6.00	11.2	7	2.0	401	1.12	0.16	9.85	0.379	4.55
R607525		650	32.5	108.0	0.008	1.63	6.55	13.0	10	2.5	192.0	1.06	0.14	8.61	0.351	6.54
R607526		1320	38.7	106.0	0.005	1.70	5.38	28.4	10	2.2	315	1.08	0.14	11.15	0.370	4.46
R607527		1020	43.2	115.5	0.004	2.21	4.88	12.2	7	1.9	362	1.07	0.13	10.30	0.372	5.70
R607528		1020	33.7	114.5	0.004	2.48	5.17	12.0	7	2.0	357	1.07	0.11	9.49	0.362	4.36
R607529		960	29.8	119.5	0.004	2.79	4.94	12.3	7	1.9	321	1.08	0.18	9.86	0.365	8.78
R607530		910	22.3	120.0	0.005	2.18	4.90	12.5	6	2.0	291	1.11	0.14	9.52	0.369	4.66
R607531		990	20.6	120.5	0.008	1.08	4.60	12.5	6	2.0	316	1.13	0.13	10.05	0.364	4.04
R607532		930	22.4	123.5	0.006	1.27	4.86	13.8	7	2.0	290	1.16	0.12	10.15	0.375	5.63
R607533		730	17.7	122.5	0.006	2.78	4.68	13.2	6	1.9	231	1.08	0.13	9.31	0.359	7.78
R607534		840	20.1	125.0	0.005	2.42	5.01	13.8	7	1.9	257	1.13	0.15	9.73	0.374	6.26
R607535		870	18.4	122.0	0.004	2.85	5.04	13.7	6	1.9	263	1.08	0.12	9.15	0.356	5.57
R607536		1040	19.9	122.0	0.005	3.51	5.38	13.3	7	2.0	277	1.11	0.17	9.43	0.364	5.39
R607537		1020	20.2	118.0	0.004	3.70	5.14	12.6	6	1.9	267	1.05	0.14	9.24	0.354	4.98
R607538		1190	27.5	120.0	0.005	3.83	6.13	11.8	6	1.9	307	1.03	0.13	9.65	0.356	4.56
R607539		1140	35.6	110.5	0.004	4.28	7.24	10.3	6	1.8	296	0.94	0.12	8.56	0.329	5.89
R607540		1140	33.8	112.5	0.005	3.52	6.74	10.4	6	1.8	307	1.05	0.11	8.86	0.327	4.94
R607541		1010	36.4	118.0	0.004	3.39	7.15	12.4	6	1.9	254	1.02	0.11	9.29	0.356	3.72
R607542		840	28.1	120.0	0.006	4.20	7.31	12.8	7	1.8	218	1.02	0.11	8.85	0.345	4.74
R607543		970	25.3	124.5	0.006	3.59	6.64	12.3	7	2.0	214	1.06	0.13	9.78	0.362	6.15
R607544		1030	20.8	116.5	0.004	3.37	5.51	11.3	6	1.9	230	0.97	0.10	9.03	0.342	4.27

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CERTIFICATE OF ANALYSIS TR16111108

Sample Description	Method Analyte Units LOR	ME- MS61 U ppm 0.1	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5
R609682		5.0	396	4.1	23.9	273	114.0
R609683		4.7	386	4.1	25.0	293	118.0
R609684		4.0	336	3.8	25.1	269	109.5
R609685		3.8	327	5.6	26.6	378	98.6
R609686		4.0	355	4.8	25.6	418	108.5
R609687		4.3	361	4.6	28.0	432	107.5
R609688		4.2	389	4.8	25.6	305	113.0
R609689		4.4	385	5.8	28.9	303	114.5
R609690		4.3	380	5.7	25.3	332	107.0
R609691		4.3	372	38.4	24.6	270	105.5
R609692		4.4	383	6.1	26.9	370	109.0
R609693		4.3	410	6.9	28.3	403	109.5
R609694		4.3	418	6.9	26.5	332	110.0
R609695		4.6	420	6.0	24.3	260	112.0
R609696		4.8	447	7.9	27.2	313	115.5
R607520		6.9	331	1.8	31.2	355	72.2
R607521		5.7	313	2.0	28.1	292	73.4
R607522		5.8	529	6.3	28.2	66	121.5
R607523		6.3	477	7.7	25.8	60	131.5
R607524		5.4	385	8.0	22.8	47	118.0
R607525		5.3	353	10.8	18.9	78	111.5
R607526		5.4	358	10.7	18.8	51	108.0
R607527		7.3	362	6.3	20.2	41	108.5
R607528		5.8	395	4.8	19.5	40	107.5
R607529		5.4	366	5.0	19.9	41	107.5
R607530		5.1	392	4.4	23.5	36	111.5
R607531		31.6	435	4.3	22.4	54	112.5
R607532		19.6	426	4.3	23.6	42	114.0
R607533		13.3	414	3.8	19.8	41	110.0
R607534		13.5	428	4.2	21.7	139	112.5
R607535		12.3	415	4.2	21.7	157	107.5
R607536		12.3	425	4.6	23.4	197	109.5
R607537		10.6	417	4.6	22.7	253	106.0
R607538		11.7	420	4.7	25.0	335	109.0
R607539		8.8	395	4.0	23.0	320	100.5
R607540		8.5	389	6.4	23.5	376	101.5
R607541		11.0	428	5.6	24.8	421	109.5
R607542		10.4	419	4.6	24.8	250	108.0
R607543		10.4	440	4.3	24.6	306	111.5
R607544		7.8	404	4.0	22.1	300	105.0

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Project: Nadaleen

CERTIFICATE OF ANALYSIS TR16111108

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- AA26 Au ppm 0.01	ME- MS61 Ag ppm 0.01	ME- MS61 Al % 0.01	ME- MS61 As ppm 0.2	ME- MS61 Ba ppm 10	ME- MS61 Be ppm 0.05	ME- MS61 Bi ppm 0.01	ME- MS61 Ca % 0.01	ME- MS61 Cd ppm 0.02	ME- MS61 Ce ppm 0.01	ME- MS61 Co ppm 0.1	ME- MS61 Cr ppm 1	ME- MS61 Cs ppm 0.05	ME- MS61 Cu ppm 0.2
R607545		1.91	<0.01	4.39	4.77	137.5	5090	2.09	0.20	0.51	7.13	54.7	7.7	195	15.00	74.6
R607546		1.53	0.01	3.67	4.05	127.5	3800	1.58	0.17	3.67	8.44	46.1	5.2	182	13.35	60.3
R607547		1.98	0.02	2.12	4.44	137.0	2400	1.67	0.18	4.26	4.47	50.7	5.8	129	13.20	49.2
R607548		1.69	0.01	0.94	4.98	154.0	1580	1.73	0.18	5.85	2.25	58.1	8.7	96	13.20	50.9
R607549		1.77	0.01	0.98	5.46	271	2260	1.72	0.24	1.57	0.99	68.6	3.8	97	14.90	25.6
R607550		1.78	0.01	0.92	5.65	183.5	2150	1.68	0.28	0.86	0.56	69.1	2.8	101	17.20	21.2
R607551		2.10	<0.01	0.82	6.09	108.5	1720	1.68	0.29	0.22	0.21	72.7	1.3	101	18.15	11.7
R607552		1.74	<0.01	0.91	5.80	206	1790	1.69	0.29	0.23	0.23	71.2	1.2	102	16.20	19.5
R607553		1.75	0.01	0.93	6.04	157.5	1880	1.81	0.29	0.21	0.42	69.7	1.3	111	15.60	12.5
R607554		1.75	<0.01	0.77	6.08	155.0	2360	1.82	0.29	0.10	0.27	72.6	1.5	103	12.40	7.4
R607555		1.66	<0.01	0.70	5.94	212	2410	1.70	0.28	0.14	0.56	74.6	2.4	104	16.25	17.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 28- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS TR16111108

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni
	Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm
	LOR	0.01	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2
R607545		2.94	14.90	0.19	2.4	0.689	0.053	1.74	36.6	25.3	0.47	204	14.90	0.12	14.1	91.6
R607546		2.40	12.35	0.18	2.2	0.787	0.039	1.57	32.4	19.6	0.76	156	14.25	0.08	12.7	85.7
R607547		2.41	13.10	0.15	2.3	0.779	0.043	1.76	30.9	21.8	0.89	205	8.67	0.09	14.4	61.7
R607548		3.05	13.85	0.17	2.5	0.347	0.040	1.94	32.3	25.3	1.35	382	6.23	0.22	15.4	52.5
R607549		1.82	16.70	0.18	2.9	0.732	0.044	2.33	38.0	17.6	0.63	130	4.02	0.09	19.8	33.6
R607550		1.59	17.55	0.17	3.0	0.648	0.055	2.45	39.0	17.5	0.56	87	4.44	0.06	19.8	30.6
R607551		1.18	19.30	0.17	3.0	0.516	0.068	2.67	40.5	16.8	0.48	27	4.65	0.04	20.7	24.1
R607552		1.31	18.90	0.18	3.4	0.594	0.082	2.58	39.8	15.3	0.46	26	7.19	0.04	20.2	25.8
R607553		1.50	20.1	0.16	2.9	0.497	0.072	2.71	39.3	16.5	0.48	26	7.52	0.04	19.5	33.0
R607554		1.41	20.0	0.19	3.1	0.510	0.047	2.64	40.1	17.1	0.45	56	7.07	0.03	20.0	36.1
R607555		2.11	20.8	0.17	3.0	0.685	0.071	2.61	40.7	15.1	0.43	95	9.04	0.03	18.8	31.7

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Project: Nadaleen

CERTIFICATE OF ANALYSIS TR16111108

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl
	Units	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	10	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02
R607545		2040	26.3	90.3	0.018	0.28	6.98	12.6	9	1.6	224	0.83	0.12	8.10	0.320	2.32
R607546		2110	19.6	80.0	0.029	0.27	6.65	9.8	10	1.3	310	0.74	0.11	6.85	0.267	2.21
R607547		1430	21.6	84.9	0.034	0.18	5.33	9.6	6	1.4	237	0.83	0.08	7.50	0.292	2.04
R607548		1190	17.1	92.3	0.029	0.11	3.82	10.5	4	1.6	217	0.89	<0.05	8.59	0.330	1.29
R607549		990	25.5	115.5	0.018	0.13	4.93	9.9	3	1.9	266	1.11	0.08	10.45	0.388	2.91
R607550		730	20.9	124.0	0.015	0.14	5.85	10.4	3	2.0	213	1.12	0.13	10.55	0.393	4.56
R607551		500	17.0	135.5	0.011	0.14	4.33	10.9	2	2.1	186.0	1.18	0.09	10.45	0.418	5.34
R607552		530	20.0	133.5	0.013	0.16	5.08	12.2	4	2.1	208	1.12	0.14	10.95	0.398	6.28
R607553		530	18.7	140.5	0.010	0.22	5.97	12.7	4	2.1	187.0	1.10	0.13	10.65	0.391	5.45
R607554		910	18.7	133.5	0.015	0.15	6.76	10.6	4	2.1	274	1.19	0.12	11.55	0.389	5.25
R607555		1110	21.1	129.5	0.005	0.19	7.29	10.0	5	2.1	394	1.08	0.13	11.35	0.383	6.29

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Finalized Date: 28- JUL- 2016
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Project: Nadaleen

CERTIFICATE OF ANALYSIS TR16111108

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.1	1	0.1	0.1	2	0.5
R607545		7.1	461	2.0	33.6	374	100.5
R607546		6.6	428	2.0	31.3	360	90.6
R607547		5.1	386	2.2	26.0	280	93.6
R607548		3.9	278	2.0	24.2	226	100.5
R607549		4.2	366	4.0	23.1	129	119.0
R607550		4.1	382	3.7	20.8	81	123.0
R607551		4.0	404	4.9	19.8	27	126.0
R607552		4.0	398	4.4	20.3	31	122.5
R607553		4.2	450	4.5	18.3	88	118.0
R607554		4.5	433	4.6	21.1	135	123.0
R607555		4.9	382	4.5	20.9	117	123.0

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CERTIFICATE OF ANALYSIS TR16111108

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Terrace located at 2912 Molitor Street, Terrace, BC, Canada.

CRU- 31	CRU- QC	LOG- 21	PUL- 31
PUL- QC	SPL- 21	WEI- 21	

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA26	Hg- MS42	ME- MS61

ALS Canada Ltd.

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- JUL- 2016
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CERTIFICATE VA16112572

Project: Nadaleen

P.O. No.: N16- B04

This report is for 65 Rock samples submitted to our lab in Whitehorse, YT, Canada on 13- JUL- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
PUL- 31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES

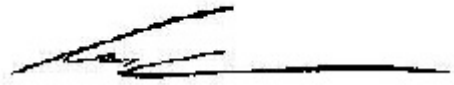
ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS VA16112572

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R607556		2.14	0.65	5.64	466	2410	1.42	0.31	0.07	0.42	67.1	1.8	107	14.20	19.2	2.17
R607557		1.52	0.96	5.75	492	240	1.57	0.31	0.05	0.50	64.9	3.4	116	13.70	115.5	3.04
R607558		1.70	1.04	5.65	324	170	1.70	0.27	0.07	0.37	61.2	5.6	107	12.15	127.5	3.09
R607559		1.94	1.20	5.93	260	190	1.82	0.29	0.08	0.40	63.2	6.3	118	13.20	171.0	3.03
R607560		2.04	1.57	6.15	296	370	1.89	0.27	0.10	0.34	65.1	6.8	120	14.15	156.5	2.65
R607561		1.96	1.05	6.05	415	220	1.74	0.29	0.10	1.12	62.2	9.1	117	13.10	164.0	3.32
R607562		2.02	1.03	6.13	482	200	1.74	0.29	0.10	2.45	63.4	9.9	119	12.90	159.5	2.85
R607563		1.90	2.18	5.65	950	170	1.55	0.28	0.09	6.03	58.5	9.7	116	12.05	129.5	2.69
R607564		1.72	2.65	5.94	881	200	1.45	0.28	0.10	6.58	61.6	8.8	124	10.60	119.5	2.56
R607565		2.04	2.08	5.41	628	330	1.48	0.26	0.09	3.73	59.3	5.7	130	9.73	142.0	2.26
R607566		2.12	2.96	4.85	579	1180	1.29	0.20	0.11	1.59	57.0	2.6	119	10.40	56.2	1.87
R607567		2.08	3.51	4.43	1080	1300	1.12	0.22	0.13	1.00	54.7	1.5	117	10.50	34.1	2.43
R607568		1.76	4.17	4.62	1650	1330	1.35	0.22	0.18	1.40	58.4	1.4	129	11.70	35.9	3.35
R607569		2.32	3.28	4.73	1720	820	1.70	0.22	0.18	2.39	55.3	1.6	153	10.45	69.8	5.05
R607570		1.94	2.08	4.79	2560	2320	2.98	0.19	0.25	3.81	51.1	3.5	190	9.55	197.5	12.05
R607571		1.90	2.49	6.12	4990	1200	6.79	0.14	1.83	8.59	35.0	12.7	319	8.03	490	17.85
R607572		1.82	1.93	6.16	2720	1110	5.50	0.11	10.45	16.10	29.1	26.8	184	5.96	480	10.35
R607573		1.72	1.91	5.71	968	890	4.33	0.11	13.95	19.45	27.4	27.4	84	5.33	450	5.17
R607574		1.38	1.88	3.71	527	800	2.22	0.10	17.10	10.35	29.2	11.8	62	5.18	203	2.46
R607575		1.84	1.80	3.05	509	730	1.86	0.11	20.0	7.37	25.6	12.3	61	4.58	182.5	2.50
R607576		1.94	1.11	3.52	298	920	1.31	0.14	15.95	4.65	34.0	7.2	63	6.22	128.0	1.86
R609697		1.50	2.61	5.31	117.5	4110	1.70	0.21	0.75	5.82	59.1	11.4	164	10.55	77.7	3.71
R609698		1.50	3.49	4.11	145.5	4370	1.50	0.19	1.93	7.23	47.6	4.8	164	13.30	59.7	2.36
R609699		1.96	2.63	4.35	155.0	2950	1.53	0.18	4.63	7.65	47.5	5.9	148	12.05	54.2	2.49
R609700		1.68	1.38	4.79	199.0	2110	1.58	0.18	4.46	2.96	53.4	7.8	103	13.35	54.1	2.95
R609701		2.08	0.54	5.22	193.0	1660	1.61	0.32	4.01	1.44	56.5	7.8	84	15.65	48.2	3.02
R609702		1.98	0.70	5.67	303	2210	1.42	0.31	0.38	0.50	62.0	2.1	101	14.10	20.8	1.98
R609703		1.90	0.72	5.55	321	2700	1.23	0.33	0.20	0.19	67.7	1.1	92	13.50	20.6	1.72
R609704		1.52	3.69	5.61	1250	2220	1.26	0.29	0.15	0.08	64.9	0.8	97	14.65	25.6	2.11
R609705		2.38	0.99	5.92	390	1280	1.47	0.28	0.14	0.17	66.0	2.3	98	13.30	53.7	1.94
R609706		2.20	0.65	5.98	108.5	540	1.74	0.30	0.07	0.19	63.2	5.9	109	12.30	148.0	2.09
R609707		2.24	0.57	5.48	126.5	290	1.57	0.26	0.05	0.16	51.6	5.1	96	10.90	93.5	6.02
R609708		2.06	0.59	6.09	118.5	300	1.71	0.28	0.05	0.23	61.7	5.7	107	13.15	101.0	2.48
R609709		2.40	0.68	6.07	125.5	340	1.68	0.26	0.03	0.52	62.4	5.8	108	13.35	102.0	2.57
R609710		1.94	0.65	6.39	150.5	480	1.84	0.28	0.04	1.50	64.3	10.1	109	13.25	120.0	2.22
R609711		1.96	0.67	6.25	212	380	1.86	0.28	0.05	1.24	64.0	10.6	111	12.95	161.0	2.18
R609712		2.14	0.59	6.35	235	450	1.82	0.28	0.09	1.55	63.9	10.4	111	13.35	139.0	2.06
R609713		2.16	0.72	6.02	564	180	1.81	0.26	0.12	2.26	61.4	12.4	100	12.20	87.1	2.80
R609714		2.20	0.64	6.13	301	430	1.97	0.28	0.12	1.93	64.2	10.5	100	14.45	83.6	2.38
R609715		2.16	0.68	6.22	337	140	1.84	0.28	0.10	2.03	60.3	11.8	101	13.15	82.5	2.82

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Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16112572

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R607556		18.95	0.13	2.9	1.165	0.085	2.47	38.2	12.4	0.40	68	8.82	0.03	17.3	24.2	1150
R607557		20.4	0.17	2.8	1.855	0.110	2.48	34.5	11.6	0.39	29	7.99	0.03	18.0	31.1	1240
R607558		19.10	0.14	2.8	1.475	0.075	2.44	32.5	10.8	0.38	35	7.59	0.03	17.6	44.5	850
R607559		19.55	0.11	2.9	1.395	0.062	2.54	34.2	11.6	0.39	27	6.54	0.03	17.9	44.6	820
R607560		19.45	0.14	3.0	1.190	0.054	2.65	36.4	12.0	0.41	25	5.95	0.03	18.6	42.8	820
R607561		19.20	0.14	3.0	1.925	0.067	2.64	33.8	11.8	0.41	25	5.70	0.03	17.7	52.3	790
R607562		19.20	0.14	2.9	2.53	0.065	2.65	34.3	12.3	0.41	24	5.75	0.03	17.8	56.4	760
R607563		17.40	0.13	2.7	3.85	0.064	2.36	30.8	13.2	0.34	23	5.91	0.03	16.4	55.1	860
R607564		17.95	0.13	2.9	3.94	0.056	2.44	33.3	12.4	0.31	24	6.84	0.03	17.1	52.2	1020
R607565		16.80	0.13	2.8	3.77	0.048	2.25	34.7	11.2	0.30	24	7.90	0.03	17.2	41.5	840
R607566		16.10	0.13	2.7	3.76	0.053	2.11	34.7	9.6	0.28	18	9.19	0.02	17.1	23.9	870
R607567		15.15	0.13	2.7	4.83	0.050	2.03	34.4	8.4	0.26	17	12.80	0.03	16.6	18.7	1050
R607568		16.80	0.13	2.7	3.66	0.072	2.11	35.7	9.2	0.28	17	15.45	0.03	17.3	17.8	1620
R607569		17.05	0.13	2.5	2.99	0.091	2.21	34.2	10.4	0.28	20	21.8	0.04	15.7	19.0	2440
R607570		15.45	0.12	2.1	1.185	0.088	1.83	32.2	10.2	0.22	29	26.6	0.02	11.9	118.0	4170
R607571		15.95	0.12	1.4	1.350	0.232	1.29	22.2	10.2	0.18	100	37.3	0.02	7.3	560	6130
R607572		10.85	0.07	1.3	2.31	0.107	1.05	17.9	8.7	0.17	420	23.7	0.01	6.9	633	3750
R607573		8.21	0.05	1.3	2.55	0.049	1.03	16.4	9.0	0.18	408	12.60	0.01	6.9	680	1550
R607574		8.30	0.07	1.5	2.17	0.030	1.09	17.6	7.1	0.20	286	7.64	0.01	7.8	255	830
R607575		7.29	<0.05	1.1	2.30	0.029	0.95	15.3	6.0	0.17	329	8.02	0.01	6.7	208	960
R607576		10.10	0.06	1.6	1.530	0.033	1.36	19.9	6.8	0.26	256	4.86	0.02	9.2	104.0	550
R609697		15.20	0.12	2.7	0.605	0.053	1.74	35.0	28.6	0.70	424	11.50	0.25	12.4	81.4	1860
R609698		12.60	0.18	2.1	0.931	0.040	1.59	30.4	16.8	0.58	151	14.00	0.06	12.8	80.0	1890
R609699		12.50	0.16	2.3	8.30	0.037	1.71	30.7	20.4	1.06	199	11.10	0.16	13.4	70.9	1630
R609700		13.75	0.14	2.5	1.175	0.049	1.86	31.4	20.3	1.04	325	8.11	0.21	15.3	58.3	1250
R609701		14.60	0.15	2.6	0.462	0.054	2.13	31.6	20.6	1.21	427	5.30	0.13	16.1	46.7	990
R609702		19.00	0.16	2.9	1.000	0.069	2.64	35.2	12.4	0.49	65	4.12	0.05	18.1	22.9	790
R609703		18.00	0.18	3.0	1.215	0.076	2.52	37.9	11.0	0.42	28	6.56	0.03	19.3	16.9	860
R609704		18.65	0.18	3.0	1.000	0.174	2.62	37.1	10.2	0.38	16	4.58	0.03	19.0	14.3	570
R609705		19.80	0.27	3.0	0.839	0.084	2.64	36.9	12.0	0.43	22	3.27	0.03	18.7	24.9	420
R609706		18.60	0.20	2.9	0.766	0.066	2.59	36.0	12.4	0.44	24	4.84	0.03	18.8	42.7	350
R609707		15.90	0.18	2.6	0.890	0.049	2.34	25.8	11.5	0.39	22	4.22	0.03	16.1	36.8	580
R609708		18.00	0.18	2.9	0.639	0.055	2.65	33.8	12.7	0.44	22	4.65	0.03	17.9	40.0	500
R609709		17.75	0.19	2.8	0.781	0.048	2.62	33.8	12.7	0.42	24	4.96	0.03	17.9	43.9	660
R609710		18.70	0.18	2.9	0.580	0.063	2.82	35.5	13.0	0.46	26	4.88	0.03	17.9	60.8	900
R609711		18.70	0.17	3.0	0.609	0.062	2.69	35.1	13.0	0.46	25	5.50	0.03	18.9	64.4	1060
R609712		18.55	0.18	2.9	0.523	0.066	2.78	36.0	12.8	0.47	25	5.19	0.03	18.6	60.5	880
R609713		17.40	0.18	3.0	0.542	0.059	2.58	32.0	12.1	0.42	27	6.12	0.03	18.5	73.0	1120
R609714		18.30	0.21	3.0	0.526	0.059	2.69	35.7	13.0	0.44	31	5.28	0.03	17.9	64.2	950
R609715		18.05	0.19	2.8	0.732	0.059	2.72	31.1	12.3	0.44	25	5.56	0.03	18.0	69.2	1010

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Finalized Date: 27- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16112572

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R607556		27.8	120.5	0.005	0.25	6.82	11.1	6	2.0	386	1.17	0.14	10.30	0.383	6.60	5.2
R607557		35.2	119.0	0.005	1.98	7.29	18.3	10	1.9	411	1.14	0.15	9.78	0.390	6.83	7.2
R607558		33.7	116.0	0.006	2.62	8.14	12.8	7	2.0	286	1.13	0.18	8.97	0.369	4.85	5.8
R607559		40.7	117.0	0.004	2.78	8.69	12.4	8	2.0	261	1.15	0.15	9.35	0.385	3.97	6.5
R607560		47.6	123.5	0.005	2.41	9.25	12.2	8	2.0	223	1.19	0.13	9.25	0.392	2.95	7.4
R607561		32.7	122.5	0.003	3.19	7.19	12.2	7	2.0	212	1.15	0.14	8.93	0.388	4.98	7.5
R607562		32.1	121.5	0.005	2.64	7.00	12.0	6	2.0	206	1.13	0.11	9.28	0.387	5.31	8.0
R607563		43.2	109.0	0.005	2.54	8.22	10.5	6	1.9	259	1.07	0.12	8.33	0.351	6.30	8.0
R607564		45.9	105.5	0.004	2.41	8.91	10.0	7	1.9	299	1.13	0.13	8.87	0.372	5.53	8.5
R607565		37.3	99.1	0.005	2.03	8.77	10.5	9	1.8	248	1.11	0.13	8.71	0.360	4.53	7.9
R607566		42.4	92.9	0.005	0.99	8.35	10.0	10	1.8	269	1.06	0.15	8.38	0.340	4.60	6.7
R607567		56.3	88.8	0.007	0.76	8.78	8.1	9	1.7	268	1.10	0.14	8.03	0.323	6.63	7.0
R607568		68.4	96.6	0.005	0.75	11.90	9.1	9	1.8	275	1.09	0.13	8.32	0.332	8.05	9.1
R607569		68.5	97.0	0.003	0.97	13.70	10.7	11	1.7	356	1.01	0.20	7.87	0.315	9.38	13.7
R607570		97.5	78.0	<0.002	0.53	13.10	13.8	8	1.5	489	0.77	0.16	6.89	0.261	3.46	15.1
R607571		102.0	55.5	<0.002	0.52	10.00	42.9	7	1.0	390	0.48	0.12	4.92	0.170	3.39	34.4
R607572		62.8	45.8	<0.002	0.49	6.87	29.6	7	0.9	249	0.45	0.06	4.06	0.153	2.69	29.2
R607573		65.3	44.5	<0.002	0.49	5.86	15.2	6	0.8	145.0	0.44	<0.05	3.72	0.149	1.64	19.0
R607574		41.2	51.0	0.002	0.58	5.05	8.8	6	0.9	143.0	0.50	0.07	3.83	0.161	1.40	9.4
R607575		42.9	43.7	0.004	0.62	4.88	7.9	6	0.8	129.5	0.43	0.09	3.48	0.142	1.37	8.3
R607576		26.0	62.8	0.003	1.06	4.72	7.0	4	1.0	234	0.58	<0.05	4.67	0.200	2.09	5.9
R609697		22.8	84.7	0.009	0.21	5.27	13.8	7	1.6	194.5	0.82	0.12	7.90	0.385	1.95	6.1
R609698		21.3	76.5	0.023	0.26	7.14	9.1	7	1.3	254	0.81	0.13	6.22	0.279	2.03	6.1
R609699		97.2	78.8	0.022	0.24	7.65	9.0	7	1.5	294	0.83	0.13	7.00	0.291	2.26	5.9
R609700		27.3	85.4	0.025	0.15	5.43	9.7	5	1.5	207	1.03	0.11	7.71	0.315	1.60	4.5
R609701		18.7	97.2	0.016	0.10	4.15	9.8	2	1.6	147.5	1.00	0.09	8.20	0.346	1.32	3.5
R609702		19.1	120.0	0.022	0.31	4.44	11.1	2	1.9	226	1.14	0.15	9.88	0.386	3.18	3.7
R609703		21.7	114.5	0.016	0.27	4.55	10.1	2	2.1	292	1.21	0.13	10.50	0.405	4.95	3.9
R609704		35.1	119.5	0.008	0.41	9.48	22.4	8	2.1	183.0	1.19	0.17	10.05	0.393	4.49	3.6
R609705		23.1	121.5	0.011	1.04	6.58	15.4	40	2.1	145.5	1.19	0.15	9.50	0.396	3.55	3.8
R609706		17.7	120.5	0.004	1.74	6.58	11.9	7	2.1	124.5	1.13	0.13	8.96	0.383	2.95	4.5
R609707		16.3	106.0	0.004	6.36	5.03	9.9	6	1.8	187.0	1.00	0.08	7.74	0.353	4.71	5.7
R609708		16.6	118.0	0.004	2.18	4.94	11.6	5	2.0	161.5	1.14	0.10	8.76	0.387	3.33	6.3
R609709		32.1	117.5	0.005	2.34	5.81	11.3	6	2.0	230	1.13	0.16	9.16	0.389	3.09	5.3
R609710		17.0	125.0	0.004	1.87	5.38	12.1	7	2.2	213	1.12	0.10	9.68	0.403	3.27	6.1
R609711		17.0	122.5	0.005	1.81	5.27	11.8	6	2.1	287	1.19	0.17	9.60	0.403	3.23	6.2
R609712		16.3	122.0	0.004	1.67	5.30	11.7	5	2.0	179.0	1.12	0.13	9.54	0.398	2.91	5.6
R609713		16.1	115.0	0.006	2.61	5.78	10.6	7	1.9	213	1.18	0.12	9.06	0.383	4.17	5.3
R609714		15.8	123.0	0.005	2.02	4.94	12.0	6	2.0	173.5	1.14	0.14	9.72	0.388	3.72	4.4
R609715		19.0	121.0	0.004	2.61	6.54	11.5	6	2.1	224	1.14	0.13	9.10	0.390	6.44	4.5

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Finalized Date: 27- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16112572

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- AA26 Au ppm 0.01
R607556		387	5.0	17.4	73	110.0	0.01
R607557		407	6.5	20.1	70	110.5	0.01
R607558		409	5.7	21.7	70	109.0	0.01
R607559		437	5.2	22.5	73	112.0	0.01
R607560		457	9.7	21.7	69	114.5	0.01
R607561		441	4.8	21.3	207	111.5	0.01
R607562		444	5.0	21.6	245	112.0	0.02
R607563		420	6.3	21.6	269	103.0	0.07
R607564		435	7.6	24.5	205	107.5	0.05
R607565		488	5.9	23.9	148	111.0	0.03
R607566		503	5.6	21.1	80	107.5	0.06
R607567		511	5.2	19.6	62	105.5	0.04
R607568		541	5.4	22.4	59	109.0	0.02
R607569		592	5.1	22.8	122	96.4	0.04
R607570		747	5.5	27.5	555	79.4	0.07
R607571		793	4.0	44.8	2080	54.4	0.06
R607572		523	3.2	103.5	2360	49.5	0.06
R607573		315	3.0	127.0	2410	48.7	0.10
R607574		265	2.7	52.0	995	52.2	0.12
R607575		243	2.4	47.4	980	46.6	0.08
R607576		241	2.7	26.9	432	62.6	0.04
R609697		385	2.3	32.1	319	99.9	0.02
R609698		439	2.2	27.4	344	86.3	0.02
R609699		376	2.5	26.5	722	94.8	0.04
R609700		329	4.6	24.9	277	100.0	0.02
R609701		287	2.0	21.1	214	101.5	0.02
R609702		391	3.7	16.4	66	109.0	0.02
R609703		361	4.8	18.8	34	118.0	0.01
R609704		369	7.5	15.4	14	115.0	0.02
R609705		396	4.5	16.0	24	117.0	0.01
R609706		417	4.2	19.1	20	113.5	0.01
R609707		345	4.1	21.7	19	99.7	0.01
R609708		414	4.0	19.4	32	110.5	0.01
R609709		427	4.3	18.6	75	110.5	0.02
R609710		434	3.7	20.7	210	113.0	0.01
R609711		454	3.9	20.2	256	115.5	0.01
R609712		431	3.5	20.4	261	113.5	0.01
R609713		427	3.8	22.8	284	112.5	0.02
R609714		418	3.7	21.5	303	112.5	0.01
R609715		428	3.5	21.7	319	113.0	0.02

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CERTIFICATE OF ANALYSIS VA16112572

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R609716		1.86	0.62	6.35	169.5	220	1.88	0.27	0.10	2.48	64.8	12.0	108	13.80	85.4	2.76
R609717		1.76	0.68	6.24	265	150	1.80	0.27	0.09	2.73	60.7	11.3	112	13.40	85.6	3.39
R609718		1.76	3.50	6.17	476	200	2.06	0.26	0.13	6.64	62.3	11.4	104	13.60	75.6	3.02
R609719		1.82	0.80	6.28	227	450	1.98	0.27	0.14	4.07	63.6	9.8	108	13.25	99.3	2.25
R609720		1.82	0.66	6.27	548	270	1.98	0.27	0.13	3.21	62.7	11.1	107	12.45	87.8	2.31
R609721		2.22	0.78	6.43	837	200	2.03	0.27	0.14	4.53	63.5	11.9	111	12.45	86.6	2.82
R609722		2.00	0.81	6.47	745	460	2.11	0.29	0.14	2.22	64.8	10.8	109	12.80	85.2	2.37
R609723		2.10	3.19	6.20	3300	320	1.58	0.23	0.10	1.74	63.9	12.9	112	13.30	78.8	2.42
R609724		2.48	5.11	5.94	6700	130	1.49	0.23	0.11	7.64	58.8	12.8	102	12.65	76.1	3.05
R609725		1.94	5.39	6.15	2420	580	1.91	0.24	0.12	3.20	61.9	11.8	110	10.90	81.4	2.08
R609726		2.14	1.89	6.01	5260	190	1.70	0.25	0.13	2.94	58.2	12.1	107	11.00	80.4	3.23
R609727		2.84	1.55	6.04	2640	430	1.85	0.25	0.12	2.64	60.4	11.0	108	11.00	83.1	2.37
R609728		2.12	1.69	5.90	186.5	2700	1.88	0.24	0.32	4.12	58.0	14.1	129	11.25	85.4	4.22
R609729		1.36	2.31	5.00	158.5	2810	1.74	0.19	0.43	3.79	50.8	7.3	143	12.95	58.5	2.93
R609730		1.58	1.71	5.23	165.5	2700	1.80	0.20	1.21	2.39	55.7	6.5	113	14.70	51.7	2.67
R609732		1.48	3.32	5.76	196.5	2010	1.59	0.22	0.83	1.10	63.3	4.4	99	15.80	34.8	2.38
R609733		1.58	5.40	5.71	166.5	4100	1.47	0.27	0.31	0.51	69.1	2.0	97	15.20	28.1	1.82
R609734		1.70	2.34	5.29	103.0	2370	1.24	0.22	0.14	0.27	61.2	1.0	85	13.50	23.7	1.11
R500851		2.02	1.93	4.89	231	3420	1.80	0.20	0.72	3.40	53.6	7.8	119	13.60	61.6	2.86
R500852		1.76	0.95	5.24	164.5	1900	2.00	0.22	1.09	1.53	59.5	6.6	94	16.95	53.3	2.57
R500853		1.80	2.38	5.78	168.5	2000	1.94	0.27	0.28	0.73	64.5	5.1	101	18.80	48.6	2.44
R500854		1.84	2.38	5.83	96.3	2560	1.92	0.26	0.19	0.55	66.5	3.1	98	18.00	41.1	1.82
R500855		2.22	1.12	5.36	106.5	2900	1.78	0.26	0.17	0.73	69.0	4.3	88	15.70	51.7	1.36
R500856		1.88	0.82	5.67	100.0	2540	1.82	0.26	0.11	0.46	64.8	4.6	98	18.05	48.3	1.90
R500857		1.76	0.68	5.67	115.5	2660	1.68	0.24	0.06	0.18	64.8	3.4	101	16.75	32.9	3.40

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16112572

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R609716		18.90	0.20	3.0	0.803	0.064	2.80	34.4	11.9	0.46	25	5.29	0.03	19.0	63.7	1180
R609717		18.00	0.19	2.8	0.967	0.058	2.75	32.1	11.2	0.44	24	5.67	0.03	17.2	65.8	1000
R609718		17.80	0.18	2.8	1.000	0.059	2.73	33.3	10.8	0.42	26	5.38	0.03	18.4	63.8	1110
R609719		18.45	0.16	2.9	0.806	0.071	2.74	35.8	11.0	0.45	24	4.70	0.03	19.0	58.0	1120
R609720		18.15	0.20	3.0	0.917	0.063	2.72	33.5	10.5	0.44	22	4.78	0.03	19.0	59.5	1070
R609721		18.70	0.18	2.9	1.195	0.068	2.80	33.5	10.7	0.43	24	5.22	0.03	19.8	62.6	1170
R609722		19.20	0.16	3.0	1.400	0.066	2.86	36.2	10.7	0.45	23	5.06	0.03	19.4	60.1	1030
R609723		17.85	0.21	2.9	2.44	0.058	2.57	35.4	12.1	0.32	22	5.79	0.02	18.3	73.9	1090
R609724		16.75	0.20	2.7	5.30	0.051	2.42	30.5	11.2	0.29	24	6.51	0.02	18.3	76.7	1210
R609725		18.20	0.17	3.1	2.08	0.048	2.73	34.9	10.3	0.39	23	6.06	0.03	18.6	72.3	990
R609726		17.55	0.19	2.8	3.17	0.057	2.63	31.9	10.1	0.38	23	5.72	0.03	17.8	67.0	1050
R609727		17.90	0.15	2.8	1.920	0.058	2.66	33.7	10.0	0.40	25	5.31	0.03	17.7	64.7	920
R609728		17.15	0.16	3.3	0.931	0.065	2.04	33.3	31.3	0.82	528	9.62	0.29	14.5	85.7	1420
R609729		14.80	0.16	2.3	1.170	0.042	1.90	32.3	22.9	0.49	261	10.15	0.12	14.3	82.3	1560
R609730		15.30	0.16	2.7	0.985	0.046	2.14	34.0	20.8	0.51	210	7.24	0.08	16.7	72.9	1120
R609732		17.45	0.17	2.9	0.728	0.046	2.52	35.9	17.6	0.60	156	5.79	0.09	19.0	39.9	840
R609733		18.10	0.16	2.9	2.26	0.051	2.59	39.5	12.7	0.45	68	4.25	0.05	19.2	23.8	750
R609734		16.40	0.14	2.9	1.020	0.049	2.38	35.1	11.4	0.37	33	3.16	0.03	18.8	19.6	670
R500851		14.70	0.19	2.3	1.200	0.047	2.02	32.2	21.8	0.53	236	8.55	0.10	14.4	71.5	1230
R500852		15.40	0.19	2.7	0.722	0.048	2.23	33.6	22.2	0.66	217	5.55	0.09	16.6	50.7	910
R500853		17.90	0.17	2.6	0.785	0.059	2.66	36.0	14.1	0.48	75	4.99	0.04	17.1	38.4	990
R500854		17.90	0.21	2.7	1.185	0.065	2.64	36.6	14.0	0.44	59	4.24	0.04	17.5	29.2	1160
R500855		16.40	0.22	2.9	2.15	0.045	2.35	38.7	15.1	0.44	102	5.53	0.04	19.1	28.6	1140
R500856		17.45	0.21	2.8	0.942	0.051	2.53	36.0	14.8	0.44	75	5.03	0.03	17.7	29.3	1070
R500857		18.15	0.21	2.7	0.874	0.058	2.47	35.0	16.9	0.43	34	5.61	0.03	16.5	32.0	1430

***** See Appendix Page for comments regarding this certificate *****

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16112572

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R609716		16.8	127.0	0.005	2.49	5.11	12.3	5	2.2	298	1.19	0.11	9.48	0.394	5.10	4.7
R609717		24.9	122.0	0.007	3.20	5.19	11.0	6	2.0	247	1.12	0.11	9.10	0.378	4.10	5.0
R609718		51.4	120.0	0.004	2.86	10.85	11.0	5	2.0	158.5	1.15	0.14	9.08	0.379	2.89	5.3
R609719		23.8	123.0	0.007	1.94	5.21	11.9	6	2.1	163.5	1.20	0.12	9.80	0.395	2.80	5.6
R609720		20.7	120.5	0.005	2.00	5.16	11.6	6	2.1	177.5	1.24	0.17	9.26	0.405	3.59	5.0
R609721		41.1	123.0	0.004	2.62	6.86	11.9	5	2.1	191.0	1.23	0.12	9.51	0.408	3.23	5.3
R609722		20.9	124.5	0.005	2.09	5.78	11.4	5	2.1	140.5	1.22	0.13	9.98	0.407	2.49	4.8
R609723		19.2	105.0	0.006	2.22	6.62	9.1	8	2.0	327	1.12	0.13	9.29	0.386	4.76	4.7
R609724		47.5	97.7	0.006	2.82	11.15	8.6	7	2.0	272	1.19	0.11	8.44	0.364	3.76	4.5
R609725		15.2	116.5	0.005	1.76	7.42	10.4	7	2.0	124.0	1.17	0.13	9.68	0.387	2.82	5.2
R609726		25.9	112.5	0.005	2.94	6.94	9.8	6	1.9	163.5	1.08	0.13	8.77	0.373	5.83	4.6
R609727		21.2	114.5	0.004	2.02	6.16	10.2	6	2.0	139.5	1.12	0.14	8.90	0.377	3.50	4.6
R609728		24.3	94.1	0.005	0.32	5.55	14.5	6	1.8	155.0	0.94	0.13	8.54	0.430	2.24	4.8
R609729		21.5	89.8	0.015	0.22	6.07	10.7	5	1.5	182.5	0.88	0.10	7.14	0.334	2.05	5.2
R609730		24.1	100.5	0.024	0.21	6.09	10.5	5	1.7	143.0	1.05	0.13	8.01	0.350	1.90	4.6
R609732		20.5	115.0	0.013	0.25	7.43	9.8	3	2.0	188.5	1.18	0.09	9.32	0.393	2.20	4.0
R609733		29.2	114.0	0.007	0.38	9.29	8.7	2	2.1	240	1.22	0.12	10.25	0.400	2.96	4.0
R609734		25.5	105.5	0.004	0.20	7.92	9.8	2	1.9	250	1.18	0.08	9.03	0.380	2.89	3.8
R500851		25.0	94.3	0.014	0.39	5.85	11.0	5	1.5	146.0	0.88	0.15	7.71	0.312	2.21	4.8
R500852		19.4	106.5	0.020	0.18	4.65	10.6	3	1.7	131.0	1.08	0.09	8.88	0.334	2.49	4.1
R500853		50.8	123.0	0.008	0.42	6.86	11.2	3	1.9	244	1.08	0.14	9.87	0.354	4.14	4.3
R500854		47.7	120.5	0.004	0.27	5.66	11.1	3	1.9	362	1.10	0.11	10.05	0.359	4.06	4.5
R500855		23.2	110.5	0.003	0.22	5.38	10.0	4	1.9	320	1.19	0.12	10.05	0.366	4.51	5.5
R500856		33.7	117.5	0.006	0.20	4.72	10.4	5	1.9	302	1.15	0.11	10.20	0.350	3.14	5.4
R500857		23.2	115.5	0.008	0.40	5.07	10.6	7	1.8	336	1.05	0.16	9.77	0.341	5.04	4.7

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 27- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16112572

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	Au- AA26 Au ppm 0.01
R609716		429	3.5	22.9	298	117.0	0.01
R609717		422	4.8	21.4	245	109.5	0.01
R609718		425	5.1	22.0	386	111.0	0.01
R609719		429	3.5	21.5	345	111.5	0.01
R609720		446	3.6	21.4	369	111.5	0.01
R609721		456	4.1	22.2	515	117.5	0.01
R609722		459	5.0	21.8	338	116.0	0.01
R609723		396	13.2	24.2	197	113.5	0.65
R609724		390	12.6	21.3	1080	105.5	0.19
R609725		449	9.7	22.6	426	115.0	0.02
R609726		407	8.6	23.6	365	110.0	0.09
R609727		411	8.0	22.0	342	109.5	0.03
R609728		362	2.5	27.9	343	110.0	0.03
R609729		416	2.4	25.6	347	92.0	0.04
R609730		427	2.4	24.2	294	107.5	0.03
R609732		396	5.7	20.8	135	115.5	0.03
R609733		390	6.8	17.1	61	113.0	0.02
R609734		349	5.9	17.3	37	111.0	0.01
R500851		400	3.9	24.8	318	92.9	0.04
R500852		376	2.3	22.3	205	105.5	0.01
R500853		412	5.5	21.0	147	103.0	0.01
R500854		396	5.7	22.4	94	107.5	0.01
R500855		371	4.5	26.5	97	117.0	0.01
R500856		421	4.0	23.4	99	108.5	0.01
R500857		410	3.3	24.2	115	110.0	0.01

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Finalized Date: 27- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16112572

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Au- AA26	CRU- 31	CRU- QC	Hg- MS42
LOG- 21	ME- MS61	PUL- 31	PUL- QC
SPL- 21	WEI- 21		

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 1- AUG- 2016
Account: RCM

CERTIFICATE VA16115421

P.O. No.: N16- B05

This report is for 138 Rock samples submitted to our lab in Whitehorse, YT, Canada on 18- JUL- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
EXTRA- 01	Extra Sample received in Shipment
CRU- QC	Crushing QC Test
PUL- 31	Pulverize split to 85% < 75 um

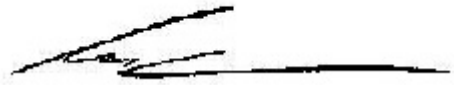
ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 1- AUG- 2016
Account: RCM

CERTIFICATE OF ANALYSIS VA16115421

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R500858		2.10	0.76	6.13	120.5	740	1.74	0.32	0.05	0.27	68.8	4.9	103	18.50	68.3	3.59
R500859		2.60	0.81	6.08	100.5	1070	2.21	0.28	0.05	0.21	66.5	4.2	99	18.40	118.0	2.24
R500860		2.34	0.77	6.24	99.3	760	2.42	0.30	0.06	0.64	68.2	4.0	99	19.70	134.5	2.50
R500861		2.92	1.07	5.66	114.0	550	2.15	0.28	0.09	0.41	65.9	4.9	92	16.90	112.5	2.75
R500862		3.14	1.15	5.77	128.0	340	2.43	0.28	0.08	0.37	67.9	4.2	97	17.80	143.0	3.03
R500863		3.44	1.17	5.92	188.0	210	2.45	0.28	0.07	0.37	66.5	3.8	98	18.80	155.0	3.16
R500864		3.10	0.90	5.65	212	230	2.29	0.27	0.07	0.35	62.0	4.3	94	17.95	166.0	3.16
R500865		3.14	1.05	5.90	189.5	240	2.25	0.28	0.08	0.25	64.6	3.6	102	19.25	227	3.14
R500866		2.52	1.12	5.58	127.5	220	2.11	0.26	0.09	0.29	62.5	4.0	103	18.30	244	2.84
R500867		2.70	0.96	6.02	95.0	500	2.24	0.29	0.09	0.52	66.9	5.3	108	19.00	270	2.09
R500868		2.52	1.72	5.81	221	220	2.05	0.27	0.09	1.69	60.2	10.9	106	18.95	328	4.24
R500869		2.36	2.78	5.88	396	220	2.09	0.26	0.10	1.41	61.6	9.3	108	18.15	273	3.03
R500870		2.16	1.34	5.90	211	310	2.16	0.26	0.11	1.63	63.0	8.8	105	19.45	298	2.40
R500871		2.14	1.13	6.05	492	200	2.30	0.29	0.13	1.75	63.9	9.4	106	20.4	345	3.26
R500872		2.02	4.28	5.58	1840	270	1.88	0.30	0.12	3.12	54.8	12.8	104	16.65	453	4.45
R500873		1.92	7.00	5.79	1435	250	1.93	0.28	0.11	5.31	58.3	12.3	101	16.30	292	3.69
R500874		1.70	7.02	5.09	1250	210	1.77	0.22	0.11	2.30	53.6	7.2	107	15.35	237	2.86
R500875		2.02	3.88	4.77	483	280	1.73	0.21	0.10	1.51	53.6	5.1	115	15.10	258	2.30
R500876		2.20	2.51	4.72	270	340	1.67	0.21	0.09	1.15	54.3	4.7	111	15.85	198.0	2.21
R500877		2.00	2.76	5.04	309	340	1.77	0.22	0.09	0.99	57.6	4.6	117	16.75	211	2.30
R500878		2.00	1.33	6.00	150.0	2000	2.25	0.26	0.23	1.33	66.9	7.5	97	22.5	117.0	2.72
R609735		1.96	3.32	6.16	200	2100	1.85	0.29	0.14	0.52	74.4	4.0	102	18.90	26.3	2.22
R609736		1.28	4.09	6.03	290	1810	1.71	0.26	0.11	0.34	71.3	2.6	100	19.70	27.7	2.20
R609737		1.82	2.43	6.06	126.0	2780	1.68	0.29	0.11	0.19	71.5	2.7	92	18.80	20.6	1.50
R609738		1.82	1.44	5.86	161.5	2350	1.57	0.29	0.08	0.13	72.1	1.3	87	16.25	13.6	1.28
R609739		2.36	2.31	5.96	165.0	2520	1.74	0.33	0.10	0.25	74.4	2.5	94	18.35	28.2	1.60
R609740		1.48	0.79	6.03	67.5	1990	2.23	0.30	0.06	0.42	69.3	4.2	102	13.30	38.7	1.21
R609741		2.28	0.76	6.09	70.1	1690	2.24	0.30	0.03	0.46	71.0	3.6	102	15.50	17.9	1.01
R609742		2.50	2.15	5.76	146.0	2050	1.76	0.29	0.08	0.52	69.6	3.4	92	17.50	30.0	1.64
R609743		3.06	1.66	5.66	118.5	1270	1.90	0.26	0.07	0.50	67.5	3.3	88	17.45	28.1	1.66
R609744		2.66	1.91	5.84	135.0	1030	2.00	0.26	0.07	0.58	70.2	3.6	92	18.25	33.2	1.87
R609745		2.22	2.13	5.89	136.0	1720	1.79	0.25	0.08	0.41	68.9	3.2	89	17.80	41.7	1.67
R609749		2.40	2.42	4.98	159.5	5310	1.97	0.21	1.71	4.35	55.1	7.6	134	14.90	57.9	2.80
R609750		1.84	1.40	5.28	163.0	2970	1.93	0.21	2.60	1.93	60.0	7.7	107	15.45	53.1	2.87
R609751		1.72	0.84	5.79	232	1990	1.88	0.26	0.60	0.77	63.8	3.6	97	18.80	42.5	2.90
R609752		1.96	0.78	6.28	170.5	2160	1.90	0.28	0.31	0.54	70.8	2.4	104	19.15	31.3	2.42
R609753		1.96	0.82	6.43	95.4	1890	1.98	0.31	0.17	0.97	74.4	2.5	98	16.60	41.4	1.77
R609754		2.02	3.27	6.26	86.5	2320	1.88	0.32	0.13	0.89	72.5	1.8	96	15.85	28.8	1.69
R609755		2.10	3.11	6.51	68.0	1670	1.81	0.28	0.05	0.10	71.2	1.0	100	18.75	12.8	1.52
R609756		2.26	4.47	6.36	55.1	1620	1.95	0.26	0.05	0.15	70.5	1.3	99	17.45	12.4	1.15

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
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Finalized Date: 1- AUG- 2016
Account: RCM

CERTIFICATE OF ANALYSIS VA16115421

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R500858		18.30	0.13	2.9	1.555	0.084	2.56	35.8	19.1	0.44	34	6.24	0.03	18.1	38.7	1330
R500859		19.70	0.17	3.0	0.776	0.072	2.65	36.1	16.5	0.43	29	5.39	0.03	18.7	37.8	1160
R500860		20.2	0.17	3.2	0.771	0.073	2.68	37.5	16.2	0.44	27	5.73	0.03	20.6	37.6	1190
R500861		18.40	0.16	3.0	1.335	0.056	2.43	35.3	14.8	0.41	65	6.01	0.03	18.9	34.1	1200
R500862		19.70	0.17	3.0	1.205	0.071	2.57	35.2	14.9	0.40	46	5.87	0.03	19.4	35.1	1170
R500863		19.55	0.18	3.1	1.050	0.068	2.62	33.5	17.2	0.41	31	4.95	0.03	19.0	35.9	1040
R500864		18.55	0.17	2.9	1.235	0.070	2.41	31.3	18.3	0.41	30	4.84	0.03	18.0	38.1	1030
R500865		19.05	0.17	3.1	1.320	0.079	2.50	32.3	18.7	0.43	27	4.93	0.03	18.6	36.0	1190
R500866		18.55	0.17	2.9	1.190	0.068	2.37	31.9	17.5	0.40	27	4.92	0.03	17.8	40.4	1130
R500867		19.15	0.17	3.1	0.960	0.065	2.55	36.2	18.0	0.43	26	4.84	0.03	18.2	40.0	1110
R500868		18.05	0.18	2.8	3.02	0.061	2.51	30.5	13.4	0.41	24	5.32	0.03	17.0	67.7	1030
R500869		18.70	0.17	3.0	1.530	0.074	2.58	31.6	12.7	0.40	25	5.27	0.03	17.9	58.9	860
R500870		18.85	0.15	2.9	1.250	0.082	2.54	33.2	14.1	0.43	28	4.93	0.03	18.5	55.1	890
R500871		19.40	0.18	3.0	2.21	0.085	2.65	32.0	13.2	0.44	27	5.12	0.03	18.3	56.0	980
R500872		17.50	0.18	2.7	15.15	0.082	2.39	27.0	11.1	0.36	28	5.34	0.03	16.1	65.0	990
R500873		18.20	0.18	2.9	11.25	0.070	2.50	29.3	11.6	0.35	33	6.11	0.03	17.4	67.0	930
R500874		16.95	0.15	2.7	17.75	0.075	2.24	28.6	10.8	0.32	36	7.01	0.03	17.1	52.5	740
R500875		16.85	0.16	2.7	7.40	0.069	2.08	30.5	9.8	0.32	39	7.65	0.03	17.1	49.5	630
R500876		17.05	0.17	2.7	4.25	0.064	2.01	31.6	10.6	0.32	38	7.51	0.03	17.5	47.3	590
R500877		17.60	0.16	2.9	4.31	0.074	2.17	32.9	11.0	0.34	40	7.42	0.03	18.5	45.9	640
R500878		18.60	0.16	3.1	1.255	0.060	2.61	37.3	16.2	0.49	130	6.48	0.05	19.6	52.1	1030
R609735		20.4	0.15	3.6	0.868	0.067	2.84	41.0	12.0	0.45	180	6.95	0.04	20.5	26.6	760
R609736		19.50	0.15	3.6	0.838	0.080	2.79	38.9	12.3	0.41	108	5.24	0.03	20.4	19.2	720
R609737		19.25	0.16	3.3	1.165	0.088	2.68	39.0	12.4	0.43	108	4.17	0.03	20.6	20.4	900
R609738		18.30	0.16	3.5	0.964	0.062	2.56	39.1	12.0	0.42	40	4.05	0.03	21.9	19.9	880
R609739		19.60	0.16	3.5	1.630	0.086	2.55	40.8	15.1	0.43	82	5.35	0.03	22.0	21.6	810
R609740		20.0	0.14	3.3	0.553	0.037	2.58	39.7	15.4	0.48	24	5.66	0.03	21.0	36.2	510
R609741		20.7	0.15	3.5	0.465	0.040	2.58	40.6	15.5	0.47	22	5.28	0.03	21.0	33.2	380
R609742		18.60	0.14	3.2	1.145	0.071	2.49	38.6	13.5	0.42	67	4.97	0.03	20.5	24.0	660
R609743		18.60	0.14	3.2	0.671	0.060	2.45	37.3	12.7	0.41	41	4.18	0.03	20.2	24.5	550
R609744		19.55	0.15	3.3	0.780	0.063	2.58	38.8	13.7	0.42	41	4.38	0.03	21.2	28.0	560
R609745		19.25	0.15	3.2	0.798	0.064	2.57	38.2	13.1	0.41	50	3.97	0.03	20.5	24.3	570
R609749		15.05	0.17	2.5	1.125	0.046	1.97	33.5	19.0	0.61	216	10.40	0.10	14.9	67.3	1590
R609750		16.10	0.16	3.3	0.803	0.048	2.17	34.6	22.3	0.95	247	7.15	0.12	17.1	49.8	1110
R609751		18.15	0.15	3.0	0.506	0.061	2.46	35.3	24.0	0.58	96	4.70	0.06	17.4	31.7	1040
R609752		20.2	0.15	3.2	0.605	0.058	2.81	38.9	24.4	0.54	57	4.31	0.05	18.8	25.8	810
R609753		20.4	0.15	3.3	0.749	0.066	2.81	40.0	16.0	0.49	80	4.20	0.04	20.1	31.9	620
R609754		19.75	0.15	3.6	0.826	0.058	2.86	39.8	15.6	0.44	99	4.71	0.03	20.9	22.9	790
R609755		20.3	0.16	3.4	0.704	0.045	2.90	39.4	13.7	0.46	22	2.85	0.03	20.5	19.9	560
R609756		20.6	0.15	3.3	1.125	0.047	2.88	38.7	13.1	0.45	23	2.84	0.03	19.9	22.2	460

***** See Appendix Page for comments regarding this certificate *****

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Finalized Date: 1- AUG- 2016
Account: RCM

CERTIFICATE OF ANALYSIS VA16115421

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R500858		25.6	131.0	0.007	2.39	5.10	14.4	8	2.1	352	1.18	0.16	10.35	0.375	9.04	6.1
R500859		26.5	127.0	0.006	0.91	5.52	14.2	6	2.0	337	1.08	0.13	10.25	0.376	4.37	6.0
R500860		31.0	132.0	0.005	1.21	4.82	14.0	7	2.1	328	1.07	0.13	10.55	0.380	5.45	6.3
R500861		29.4	119.0	0.006	1.57	5.27	11.5	6	2.0	321	1.08	0.12	9.98	0.371	5.17	6.0
R500862		37.2	127.5	0.004	1.93	5.35	12.5	7	2.1	329	1.12	0.14	10.40	0.371	5.33	6.3
R500863		32.8	126.0	0.005	2.45	5.36	13.9	7	2.1	312	1.12	0.14	10.10	0.373	4.81	5.7
R500864		23.9	117.5	0.005	2.63	5.87	13.6	7	2.0	298	1.06	0.13	9.53	0.358	5.98	5.3
R500865		26.5	121.5	0.005	2.53	5.87	15.2	7	2.0	355	1.10	0.14	10.15	0.372	7.54	5.9
R500866		26.6	117.5	0.005	2.31	5.61	13.4	8	2.0	333	1.04	0.13	9.56	0.352	6.49	5.6
R500867		21.3	123.0	0.005	1.51	4.58	13.9	6	2.0	369	1.07	0.13	10.35	0.376	4.69	5.6
R500868		29.2	120.0	0.004	4.16	6.72	12.4	7	2.0	321	1.00	0.13	9.09	0.353	16.05	5.2
R500869		40.6	122.0	0.005	2.76	6.76	14.3	7	2.0	262	1.04	0.12	8.90	0.366	7.40	5.4
R500870		26.0	125.0	0.006	1.97	5.46	15.0	7	2.0	275	1.06	0.14	9.29	0.371	5.90	5.7
R500871		23.0	130.0	0.005	2.99	6.32	14.7	7	2.0	279	1.06	0.13	9.48	0.368	6.80	6.3
R500872		56.1	110.5	0.004	4.45	11.90	12.5	7	2.2	281	0.94	0.12	7.80	0.326	23.3	5.9
R500873		75.1	115.0	0.006	3.55	13.80	12.3	7	2.2	275	1.02	0.12	8.29	0.347	20.5	5.9
R500874		51.7	103.5	0.006	2.62	13.15	11.9	8	2.1	223	0.99	0.11	7.70	0.324	23.0	6.2
R500875		45.5	97.3	0.007	2.09	10.20	12.3	10	1.8	216	1.00	0.14	7.68	0.311	9.09	6.4
R500876		33.9	97.6	0.007	1.97	9.01	12.7	11	1.8	197.5	1.02	0.13	7.77	0.314	5.72	5.8
R500877		33.2	103.5	0.007	2.03	9.17	13.5	10	1.9	213	1.06	0.14	8.15	0.334	6.41	6.0
R500878		26.5	127.5	0.030	0.63	5.68	12.4	4	2.0	152.0	1.15	0.11	10.25	0.387	4.11	5.1
R609735		30.5	137.5	0.007	0.39	11.80	14.2	4	2.2	259	1.20	0.13	11.45	0.423	4.39	5.3
R609736		37.2	133.5	0.005	0.46	15.75	16.0	3	2.2	236	1.18	0.14	10.55	0.409	5.04	5.5
R609737		40.9	126.5	0.006	0.21	10.95	21.2	3	2.2	281	1.20	0.11	11.05	0.410	4.56	6.3
R609738		40.0	119.0	0.008	0.10	12.05	18.4	5	2.1	245	1.27	0.12	11.10	0.424	4.58	5.4
R609739		47.7	123.5	0.007	0.27	12.90	29.3	5	2.3	252	1.26	0.15	10.95	0.429	5.04	6.1
R609740		18.2	124.5	0.006	0.62	10.60	12.6	6	2.2	178.0	1.21	0.13	10.20	0.409	5.60	7.5
R609741		18.3	127.0	0.006	0.39	10.75	12.2	6	2.2	148.0	1.21	0.15	10.00	0.409	7.30	7.9
R609742		34.0	119.0	0.006	0.71	13.10	18.0	5	2.1	225	1.19	0.13	10.45	0.404	5.35	7.0
R609743		28.0	115.5	0.005	0.90	12.35	14.5	4	2.0	193.5	1.18	0.11	9.94	0.400	5.91	6.5
R609744		30.1	123.5	0.006	1.09	12.55	15.2	4	2.2	195.0	1.24	0.11	10.25	0.402	6.41	6.5
R609745		32.7	121.5	0.005	0.82	12.00	15.1	4	2.1	196.5	1.18	0.11	10.05	0.393	5.20	6.3
R609749		25.1	95.7	0.013	0.27	6.41	11.3	6	1.6	199.5	0.87	0.12	8.04	0.328	2.22	5.7
R609750		23.4	102.0	0.015	0.21	5.41	11.1	4	1.7	159.5	1.01	0.11	8.89	0.357	1.81	4.6
R609751		18.7	121.5	0.007	0.44	4.26	10.9	3	1.9	180.5	1.03	0.11	9.24	0.368	2.16	4.0
R609752		21.9	135.0	0.005	0.49	4.66	11.0	3	2.1	202	1.11	0.12	9.63	0.400	2.59	4.2
R609753		26.5	133.0	0.004	0.26	4.72	19.3	3	2.3	178.0	1.16	0.12	11.15	0.415	2.44	4.4
R609754		54.9	134.0	0.005	0.34	8.00	19.8	3	2.2	235	1.26	0.14	11.70	0.419	3.16	4.6
R609755		69.6	134.0	0.005	0.23	8.90	10.9	9	2.2	183.0	1.25	0.12	10.80	0.419	2.46	4.2
R609756		118.5	136.0	0.005	0.19	10.75	11.2	6	2.2	143.5	1.23	0.11	10.55	0.409	2.44	4.1

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Finalized Date: 1- AUG- 2016
Account: RCM

CERTIFICATE OF ANALYSIS VA16115421

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	As- OG62	Au- AA26
	Analyte	V	W	Y	Zn	Zr	As	Au
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	1	0.1	0.1	2	0.5	0.001	0.01
R500858		395	4.3	22.7	100	108.0		0.01
R500859		421	4.3	22.4	83	114.5		0.01
R500860		413	4.0	23.6	106	122.0		<0.01
R500861		389	4.4	25.4	88	117.5		0.01
R500862		387	5.1	26.3	73	119.0		0.01
R500863		400	6.2	25.7	53	118.5		0.01
R500864		393	4.6	22.9	46	112.5		0.01
R500865		407	4.8	23.1	52	117.5		0.01
R500866		391	4.5	23.1	56	114.0		<0.01
R500867		417	4.5	21.7	95	116.0		<0.01
R500868		398	5.4	20.6	179	108.0		0.02
R500869		409	6.0	21.4	192	112.5		0.01
R500870		430	4.7	21.4	201	113.5		<0.01
R500871		408	6.0	22.5	210	115.0		0.02
R500872		370	7.2	24.0	332	102.5		1.96
R500873		421	7.6	24.4	308	110.0		1.28
R500874		462	7.1	22.8	225	104.5		3.52
R500875		536	5.8	24.7	215	106.0		1.05
R500876		531	5.0	24.8	160	107.5		0.41
R500877		561	5.6	25.1	132	112.0		0.45
R500878		432	3.1	24.3	206	119.5		0.10
R609735		416	6.5	19.4	70	137.0		0.01
R609736		424	6.6	21.0	47	138.0		0.01
R609737		409	5.7	20.3	50	130.0		0.01
R609738		397	4.5	20.6	39	135.5		0.01
R609739		425	5.2	21.7	43	136.5		0.01
R609740		475	3.3	19.4	186	127.5		0.01
R609741		466	3.4	19.5	150	128.5		<0.01
R609742		420	4.8	20.0	95	125.5		0.01
R609743		409	4.4	19.3	79	122.5		0.01
R609744		424	4.6	20.4	81	127.5		0.01
R609745		416	4.8	20.0	67	124.5		0.01
R609749		428	2.6	25.3	304	98.6		0.04
R609750		406	2.6	23.7	224	108.5		0.02
R609751		389	3.3	18.2	128	115.5		0.01
R609752		426	4.6	16.8	79	126.0		0.01
R609753		411	33.4	19.3	127	127.0		0.01
R609754		414	7.1	20.1	62	133.5		0.01
R609755		435	7.7	19.6	26	134.0		0.01
R609756		429	6.4	17.8	31	126.0		0.01

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 1- AUG- 2016
Account: RCM

CERTIFICATE OF ANALYSIS VA16115421

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R609757		2.16	1.05	6.01	185.5	550	2.16	0.29	0.07	0.30	66.3	4.0	98	13.55	64.2	2.37
R609758		1.96	0.65	6.34	49.2	1540	2.06	0.28	0.08	0.11	70.1	1.8	98	17.10	12.9	1.63
R609759		2.34	0.64	6.42	29.8	1960	2.36	0.28	0.06	0.10	68.9	3.9	99	15.10	119.0	1.33
R609760		2.36	0.64	6.24	329	360	2.33	0.27	0.06	0.77	65.8	7.1	103	13.85	108.5	2.51
R609761		2.40	0.64	6.29	250	880	2.25	0.21	0.08	1.73	72.2	3.3	97	16.45	139.0	2.00
R609762		2.12	0.79	6.23	572	410	2.13	0.28	0.09	0.76	69.5	8.5	99	14.25	173.5	2.62
R609763		1.92	1.16	6.10	714	240	2.08	0.29	0.08	1.51	64.5	10.8	98	14.00	162.0	3.61
R609764		1.82	1.00	6.41	332	370	2.20	0.30	0.08	1.73	68.8	10.0	106	15.00	162.0	2.66
R609765		1.40	0.85	6.41	320	240	2.23	0.28	0.11	1.64	64.4	9.9	102	14.30	163.5	4.00
R609766		1.26	0.76	6.36	220	340	2.53	0.28	0.17	3.27	68.7	11.5	107	14.90	179.5	2.85
R609767		1.76	0.80	6.60	156.0	700	2.41	0.28	0.16	2.79	68.7	9.3	104	15.45	203	2.12
R609768		1.66	0.77	6.34	495	330	2.32	0.27	0.14	1.77	65.9	9.8	102	13.70	206	2.76
R609769		1.74	0.63	6.10	204	260	2.14	0.27	0.18	2.94	64.1	10.5	95	13.90	88.9	2.97
R609770		1.60	0.68	6.39	252	380	2.31	0.28	0.17	2.31	67.8	11.1	100	14.15	88.1	2.67
R609771		2.12	0.91	6.24	401	290	2.41	0.33	0.19	1.80	67.6	10.6	96	14.05	91.9	2.81
R609772		2.02	0.68	6.22	732	200	2.29	0.28	0.17	1.71	64.4	11.4	101	12.80	85.2	3.68
R609773		2.04	0.71	6.19	467	260	2.29	0.28	0.11	1.79	67.3	11.0	101	13.35	87.8	2.76
R609774		2.12	1.02	6.21	305	530	2.18	0.26	0.10	1.75	68.8	7.9	101	14.60	91.0	2.39
R609775		2.34	1.57	5.95	734	240	2.11	0.26	0.11	1.78	61.5	10.7	96	12.75	80.5	4.22
R609776		2.44	1.40	5.70	1055	670	1.84	0.25	0.10	1.55	56.2	10.4	94	11.65	78.8	7.49
R609777		2.08	1.29	6.34	364	350	2.23	0.29	0.10	1.97	68.5	11.2	101	13.75	87.3	2.64
R609778		1.80	0.83	6.22	537	310	2.10	0.28	0.09	1.98	66.6	11.6	104	13.00	82.9	2.56
R609779		1.86	0.82	6.04	514	200	2.07	0.26	0.09	1.69	64.4	10.1	97	13.65	92.5	3.00
R609780		2.14	0.61	6.21	355	260	2.09	0.27	0.10	1.61	62.7	11.9	98	13.35	85.6	4.53
R609781		1.96	0.71	6.03	449	230	1.93	0.27	0.09	2.03	62.4	11.3	95	12.35	85.3	3.80
R609782		2.16	1.46	6.31	714	450	2.23	0.28	0.10	2.78	65.7	10.9	100	12.90	85.5	2.58
R609783		2.34	1.08	6.24	461	200	2.20	0.27	0.11	2.76	63.4	10.8	100	13.00	86.9	3.27
R609784		2.24	0.82	6.06	311	240	2.13	0.27	0.11	2.84	64.2	10.8	99	12.65	86.8	2.70
R609785		2.18	1.50	6.33	419	270	2.18	0.28	0.12	2.28	65.2	10.7	102	12.95	86.0	3.05
R609786		1.84	1.28	6.34	818	330	2.19	0.28	0.13	2.56	65.8	11.4	101	12.85	85.7	3.03
R609787		2.02	2.11	6.24	1180	320	2.03	0.29	0.12	2.59	65.1	11.6	100	13.35	86.9	2.95
R609788		2.14	3.61	5.48	1490	200	1.68	0.29	0.09	2.22	54.8	12.0	93	10.75	85.3	3.04
R609789		1.84	6.23	5.55	1330	410	1.60	0.26	0.08	2.56	57.1	12.0	94	10.25	85.9	2.49
R609790		2.04	9.45	5.72	1175	460	1.70	0.27	0.08	2.85	61.0	11.3	95	10.90	91.2	2.15
R609791		1.68	1.94	5.26	172.0	3210	2.15	0.22	1.19	3.14	62.7	8.4	114	15.30	64.5	2.98
R609792		1.44	1.22	5.15	173.5	1990	1.99	0.21	2.87	1.87	59.4	8.3	90	15.00	57.8	2.86
R609793		1.62	0.84	5.84	160.0	2260	2.23	0.25	1.18	1.61	68.2	8.3	98	23.4	62.9	3.03
R609794		1.80	0.70	5.92	86.7	2080	1.97	0.28	0.33	0.80	69.6	3.4	91	21.1	50.7	2.02
R609795		1.60	0.65	5.87	158.5	1670	2.00	0.28	0.20	1.18	69.4	3.9	98	21.2	41.2	3.12
R609796		2.20	0.68	6.10	202	1450	2.58	0.28	0.15	1.84	70.9	9.0	103	20.1	74.9	3.33

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Finalized Date: 1- AUG- 2016
Account: RCM

CERTIFICATE OF ANALYSIS VA16115421

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R609757		19.15	0.16	3.1	0.710	0.041	2.68	35.4	15.7	0.45	25	3.33	0.03	18.7	34.3	820
R609758		20.6	0.15	3.2	0.382	0.058	2.64	38.8	26.8	0.49	24	2.62	0.03	19.5	27.0	440
R609759		21.3	0.15	3.4	0.352	0.051	2.71	38.6	23.2	0.52	24	3.48	0.03	20.7	44.3	320
R609760		20.0	0.16	3.3	0.609	0.048	2.62	35.2	21.9	0.50	25	4.79	0.03	20.6	58.3	500
R609761		20.4	0.17	3.2	0.562	0.063	2.65	38.8	19.8	0.48	23	4.13	0.03	20.3	35.2	870
R609762		19.95	0.18	3.2	0.706	0.075	2.58	36.4	19.8	0.48	29	5.05	0.03	20.0	52.5	850
R609763		19.35	0.18	3.1	0.895	0.068	2.56	32.1	17.7	0.45	29	5.15	0.03	19.6	56.2	910
R609764		20.5	0.18	3.3	0.709	0.067	2.74	35.7	18.8	0.48	28	5.04	0.03	19.9	56.9	970
R609765		19.75	0.18	3.2	0.708	0.057	2.66	32.2	19.2	0.47	29	4.56	0.03	19.5	56.2	950
R609766		19.95	0.16	3.2	0.567	0.061	2.66	36.4	19.6	0.49	27	5.37	0.03	19.8	64.0	960
R609767		20.6	0.15	3.3	0.448	0.061	2.74	37.6	19.4	0.52	26	4.47	0.03	20.0	53.9	810
R609768		20.0	0.16	3.2	0.634	0.061	2.58	34.7	19.3	0.49	26	4.29	0.03	20.4	55.7	810
R609769		18.50	0.16	3.1	0.599	0.061	2.52	32.9	17.4	0.47	25	4.68	0.03	19.6	58.5	1050
R609770		19.65	0.17	3.1	0.612	0.059	2.67	35.9	17.5	0.49	27	5.09	0.03	19.2	63.0	1070
R609771		19.95	0.16	3.2	0.658	0.061	2.61	36.9	17.1	0.46	25	4.76	0.03	19.4	57.6	1010
R609772		19.55	0.18	3.1	0.873	0.060	2.59	32.2	15.7	0.45	26	4.86	0.03	19.8	60.8	1150
R609773		20.0	0.16	3.3	0.968	0.061	2.62	34.3	15.7	0.46	24	5.08	0.03	20.1	60.5	1080
R609774		20.3	0.17	3.2	0.839	0.057	2.70	37.1	15.0	0.47	24	4.28	0.03	19.8	50.3	810
R609775		19.00	0.18	3.0	1.280	0.056	2.52	30.9	12.3	0.41	24	4.48	0.03	18.1	58.7	980
R609776		18.35	0.23	2.7	1.625	0.051	2.47	28.4	9.6	0.40	27	4.14	0.03	16.4	54.9	980
R609777		20.3	0.17	3.3	0.965	0.060	2.73	36.0	12.8	0.45	24	4.67	0.03	19.0	60.8	1000
R609778		19.55	0.17	3.2	1.520	0.058	2.64	33.9	14.4	0.45	23	4.73	0.03	19.2	62.0	1200
R609779		19.35	0.17	3.1	1.580	0.057	2.53	32.5	16.3	0.44	24	4.53	0.03	19.1	56.8	1060
R609780		19.10	0.18	3.0	1.545	0.057	2.56	30.8	15.4	0.45	23	4.97	0.03	18.5	58.8	1210
R609781		18.65	0.19	3.1	1.215	0.056	2.49	30.8	14.3	0.43	22	4.91	0.03	19.3	61.3	1260
R609782		19.50	0.16	3.2	1.035	0.055	2.74	35.6	11.4	0.44	22	4.60	0.03	18.9	58.9	890
R609783		19.10	0.17	3.1	1.465	0.058	2.69	32.0	11.5	0.43	21	4.73	0.03	19.6	58.5	1130
R609784		18.85	0.17	3.1	1.505	0.058	2.61	33.0	11.0	0.42	21	4.76	0.03	19.3	58.1	1120
R609785		19.65	0.18	3.2	1.735	0.058	2.70	34.1	12.1	0.44	22	4.63	0.03	19.7	58.7	1040
R609786		19.70	0.17	3.1	2.91	0.057	2.71	35.3	11.5	0.44	22	4.70	0.03	19.2	59.5	1020
R609787		19.20	0.16	3.1	3.34	0.059	2.71	34.6	11.1	0.42	22	4.85	0.03	19.2	62.1	970
R609788		17.30	0.15	2.8	12.10	0.047	2.34	28.4	10.7	0.34	22	4.45	0.02	16.4	62.3	730
R609789		17.75	0.15	2.7	13.00	0.050	2.37	31.1	11.5	0.33	21	4.62	0.02	16.3	63.6	630
R609790		17.70	0.13	2.6	6.66	0.046	2.46	33.2	10.1	0.32	25	5.30	0.02	16.2	64.3	620
R609791		15.90	0.16	2.8	1.050	0.046	2.10	35.5	21.5	0.76	273	8.44	0.14	15.3	68.9	1370
R609792		15.25	0.14	2.6	0.801	0.042	2.10	36.0	20.1	1.00	281	5.58	0.12	16.0	53.1	1080
R609793		17.55	0.16	3.0	0.560	0.056	2.41	37.1	19.7	0.72	208	8.28	0.09	18.1	67.6	1070
R609794		18.30	0.13	3.0	0.512	0.060	2.51	37.8	18.0	0.53	70	4.20	0.04	19.3	37.5	850
R609795		18.90	0.14	3.0	0.383	0.069	2.54	37.8	17.2	0.49	62	4.78	0.03	17.7	40.3	950
R609796		19.25	0.15	3.1	0.441	0.069	2.64	38.2	15.0	0.49	199	6.47	0.03	18.1	59.4	1150

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CERTIFICATE OF ANALYSIS VA16115421

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R609757		31.3	123.0	0.004	1.68	7.43	11.6	6	2.1	255	1.14	0.12	10.35	0.387	3.97	5.2
R609758		23.5	130.5	0.004	0.46	5.52	11.7	4	2.2	171.0	1.20	0.10	9.71	0.408	2.47	5.2
R609759		19.6	132.5	0.005	0.61	4.80	12.7	6	2.3	102.0	1.27	0.12	9.51	0.414	2.00	5.5
R609760		19.0	127.0	0.004	2.01	6.36	13.6	6	2.2	148.5	1.28	0.12	9.05	0.403	3.70	6.9
R609761		21.0	127.5	0.005	1.13	5.23	16.0	7	2.2	251	1.24	0.12	11.50	0.402	4.33	7.5
R609762		26.5	124.0	0.005	1.98	6.37	18.9	8	2.2	238	1.25	0.12	11.20	0.407	4.33	7.3
R609763		32.6	121.5	0.004	3.28	7.16	16.2	7	2.1	272	1.20	0.13	10.30	0.389	4.80	6.6
R609764		30.9	131.5	0.005	2.16	6.27	15.3	7	2.2	271	1.22	0.13	10.95	0.405	3.39	6.5
R609765		25.2	125.0	0.004	3.75	5.90	14.4	7	2.1	239	1.20	0.13	10.10	0.400	4.22	5.9
R609766		25.1	127.5	0.005	2.49	5.41	14.6	7	2.2	162.0	1.23	0.12	10.25	0.406	2.95	6.0
R609767		20.7	131.5	0.004	1.63	4.96	14.2	6	2.3	137.5	1.24	0.12	10.20	0.417	2.42	5.7
R609768		20.3	123.0	0.005	2.42	5.60	13.5	6	2.2	162.5	1.24	0.11	9.03	0.403	3.15	5.3
R609769		18.3	121.0	0.005	2.76	4.66	12.6	5	2.0	168.0	1.21	0.11	9.74	0.383	2.42	6.7
R609770		19.7	126.0	0.005	2.33	5.17	13.2	6	2.1	182.0	1.19	0.13	10.05	0.400	2.75	6.2
R609771		29.7	125.0	0.005	2.52	5.85	12.3	6	2.2	147.0	1.19	0.14	10.05	0.389	3.95	6.2
R609772		23.1	122.5	0.003	3.58	6.37	11.7	6	2.1	188.5	1.22	0.11	9.82	0.393	4.99	5.7
R609773		20.6	126.5	0.005	2.49	5.82	11.4	6	2.2	250	1.25	0.12	10.05	0.395	4.04	5.5
R609774		34.0	127.0	0.004	1.92	6.65	11.9	5	2.2	191.0	1.22	0.11	9.72	0.399	3.52	5.8
R609775		32.1	116.5	0.004	4.23	8.67	10.2	6	2.1	201	1.11	0.10	9.02	0.362	4.07	5.4
R609776		32.1	112.0	0.005	8.00	8.19	9.5	5	1.9	207	1.01	0.12	8.27	0.348	5.31	5.1
R609777		31.4	130.0	0.004	2.34	6.38	10.7	6	2.2	234	1.20	0.11	10.35	0.390	3.26	5.5
R609778		23.0	123.5	0.005	2.25	6.08	11.0	5	2.2	307	1.19	0.11	10.05	0.392	5.74	5.5
R609779		20.5	120.5	0.005	2.70	6.08	11.7	6	2.1	243	1.17	0.11	9.44	0.384	7.60	5.9
R609780		17.7	119.5	0.005	4.53	5.10	11.6	6	2.1	240	1.13	0.13	9.34	0.378	9.19	5.5
R609781		21.2	115.5	0.004	3.73	5.60	11.1	6	2.1	288	1.20	0.11	9.36	0.385	6.85	5.2
R609782		40.8	126.5	0.004	2.31	7.64	11.1	6	2.2	156.0	1.20	0.13	9.52	0.382	4.41	5.1
R609783		34.1	122.5	0.004	3.10	7.05	11.1	6	2.1	216	1.21	0.12	9.58	0.385	4.36	5.3
R609784		26.8	122.5	0.004	2.47	6.23	11.1	6	2.1	210	1.18	0.11	9.56	0.377	3.49	5.1
R609785		35.6	124.5	0.005	2.85	7.62	11.7	6	2.1	169.5	1.20	0.12	9.56	0.390	4.05	5.4
R609786		39.5	124.0	0.005	2.90	7.76	11.2	6	2.2	140.5	1.19	0.12	9.54	0.393	4.91	5.5
R609787		36.5	122.5	0.005	2.78	7.92	10.8	6	2.1	153.5	1.18	0.13	9.51	0.381	5.46	5.5
R609788		40.4	105.5	0.005	2.97	8.68	8.9	5	2.0	184.5	1.05	0.12	8.08	0.330	17.20	4.8
R609789		72.7	105.0	0.004	2.38	11.10	9.0	5	2.1	169.5	1.01	0.13	8.15	0.334	17.20	4.6
R609790		93.7	108.0	0.004	1.98	13.25	8.8	6	2.0	151.5	0.96	0.12	8.37	0.343	9.00	4.7
R609791		30.5	100.0	0.011	0.22	6.26	11.5	5	1.7	147.5	0.91	0.10	8.79	0.339	1.94	5.3
R609792		24.2	97.0	0.012	0.15	4.99	10.7	3	1.6	131.0	0.94	0.09	8.70	0.347	1.52	4.4
R609793		21.6	120.0	0.010	0.16	5.32	11.3	3	2.0	149.5	1.07	0.12	10.05	0.384	2.43	4.4
R609794		19.4	125.0	0.009	0.20	4.89	11.4	2	2.0	214	1.12	0.11	10.35	0.389	2.85	4.6
R609795		20.3	128.5	0.005	0.50	5.02	11.4	3	2.0	241	1.03	0.12	10.10	0.373	2.48	4.5
R609796		27.9	133.5	0.005	0.28	5.39	13.5	3	2.0	183.0	1.05	0.11	10.15	0.374	1.77	5.5

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 1- AUG- 2016
Account: RCM

CERTIFICATE OF ANALYSIS VA16115421

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	As- OG62	Au- AA26
	Analyte	V	W	Y	Zn	Zr	As	Au
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	1	0.1	0.1	2	0.5	0.001	0.01
R609757		408	3.9	17.9	76	116.5		0.01
R609758		406	3.1	17.6	78	124.0		0.06
R609759		435	3.0	17.4	97	128.5		0.01
R609760		428	3.2	20.6	270	124.5		<0.01
R609761		421	3.4	22.2	95	123.0		0.01
R609762		425	3.6	23.1	162	122.5		0.02
R609763		419	4.1	23.4	223	119.0		0.01
R609764		432	4.1	23.1	275	124.5		0.01
R609765		425	3.5	27.1	255	121.5		0.01
R609766		438	3.1	30.1	315	121.5		0.01
R609767		451	3.3	28.5	320	124.5		0.01
R609768		429	3.6	27.7	240	122.5		0.01
R609769		417	4.2	31.9	337	117.5		<0.01
R609770		442	3.8	30.4	378	119.5		0.01
R609771		432	3.6	30.6	313	121.0		0.01
R609772		428	3.6	30.8	321	117.5		0.01
R609773		435	3.7	26.6	323	122.5		<0.01
R609774		434	3.6	22.8	298	122.5		0.01
R609775		408	3.7	23.8	327	115.5		0.01
R609776		376	3.9	22.6	270	106.5		0.01
R609777		430	3.9	22.2	351	121.5		0.01
R609778		435	3.8	25.3	347	121.0		0.01
R609779		413	4.0	23.7	313	118.5		<0.01
R609780		419	3.3	25.7	333	115.5		0.01
R609781		412	3.5	25.0	350	116.5		0.01
R609782		439	4.8	22.1	295	117.5		0.01
R609783		433	4.1	24.0	334	118.5		0.01
R609784		418	4.0	24.8	368	116.5		0.01
R609785		428	4.0	24.6	313	118.0		0.01
R609786		432	3.8	23.6	352	119.0		0.01
R609787		429	4.5	23.5	355	117.0		0.02
R609788		383	5.7	20.6	308	103.5		1.44
R609789		395	6.9	20.1	375	102.5		1.29
R609790		413	7.9	20.2	396	101.0		0.41
R609791		408	2.5	25.5	291	103.5		0.06
R609792		355	2.4	22.5	243	99.8		0.06
R609793		387	6.0	22.9	224	126.0		0.02
R609794		404	2.6	19.5	163	114.5		0.02
R609795		412	2.8	17.4	205	124.5		0.01
R609796		436	3.0	18.7	363	116.5		<0.01

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 1- AUG- 2016
Account: RCM

CERTIFICATE OF ANALYSIS VA16115421

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R609797		1.88	0.75	5.89	292	1480	2.49	0.28	0.11	1.59	67.4	9.5	105	19.05	84.1	4.84
R609798		2.28	1.59	6.08	110.5	1890	2.09	0.31	0.08	0.57	71.8	2.6	96	21.8	34.5	2.25
R609799		2.00	2.34	5.64	419	1570	3.00	0.26	0.10	4.06	63.3	5.9	97	18.40	106.5	3.29
R609800		1.86	2.28	6.17	266	1830	3.06	0.29	0.13	4.59	71.3	5.0	101	20.5	83.7	2.79
R609801		1.68	1.97	6.29	199.5	2000	3.17	0.30	0.09	5.75	72.9	4.9	102	22.4	84.4	2.59
R609802		1.64	1.03	6.47	139.0	1920	3.30	0.29	0.09	4.34	73.0	5.1	105	24.7	106.5	2.53
R609803		2.14	0.79	6.26	84.1	910	2.79	0.29	0.07	2.36	70.3	6.5	98	23.7	140.5	2.37
R609804		2.44	0.77	6.32	88.4	260	2.87	0.30	0.07	3.86	67.1	9.1	102	23.0	142.0	3.14
R609805		2.50	0.86	6.27	158.5	240	3.11	0.30	0.07	3.80	66.5	10.5	99	22.1	144.0	3.62
R609806		2.48	1.12	6.17	274	220	2.98	0.28	0.17	4.23	63.6	10.9	94	20.6	138.0	3.74
R609807		2.10	0.86	5.90	145.0	300	2.77	0.27	0.35	3.81	61.7	10.9	90	20.5	108.5	3.93
R609808		2.04	0.82	5.81	107.5	230	2.62	0.27	0.24	4.66	62.2	10.5	88	21.4	96.4	2.97
R609809		1.66	1.55	5.83	247	300	2.60	0.25	0.35	4.92	62.2	9.0	89	20.1	117.5	3.17
R609810		2.02	1.80	5.97	377	660	2.78	0.24	0.62	5.72	63.1	9.5	88	21.2	139.5	2.48
R609811		2.16	3.05	6.03	1635	710	2.68	0.26	0.86	5.87	60.6	10.4	80	20.5	115.5	2.73
R609812		2.10	4.82	5.84	760	1300	2.41	0.23	1.61	6.71	58.3	9.4	85	17.60	94.4	2.39
R609813		2.20	4.50	5.66	769	1040	2.37	0.25	1.20	4.74	60.5	9.7	84	18.55	90.5	2.26
R609814		2.24	3.29	5.96	563	790	2.62	0.27	0.83	2.84	66.2	10.0	92	21.6	91.1	2.46
R609815		2.40	2.26	5.86	333	710	2.49	0.27	0.99	2.30	65.6	10.1	87	21.3	86.8	2.57
R609816		2.46	1.41	5.85	284	780	2.61	0.26	0.74	3.32	63.9	9.1	85	21.5	90.6	2.72
R609817		2.26	0.96	6.03	191.5	630	2.67	0.28	0.80	2.25	67.1	10.4	87	24.5	86.6	2.94
R609818		2.98	0.99	5.99	186.5	470	2.76	0.28	0.61	2.02	67.1	10.1	92	24.5	89.2	2.79
R609819		1.68	6.37	5.34	2160	3270	1.79	0.26	0.96	10.55	57.7	4.0	329	18.35	67.7	2.58
R609820		1.66	4.08	2.89	142.5	6140	1.05	0.13	9.57	10.30	28.9	5.5	146	9.66	99.3	2.08
R609821		1.50	4.95	3.41	339	4730	1.44	0.17	3.06	6.50	34.0	6.0	319	12.20	117.5	2.53
R609822		1.74	5.30	4.15	280	5070	1.39	0.21	1.65	5.65	42.0	3.6	247	13.70	105.5	2.16
R609823		1.90	1.89	3.17	136.5	3850	0.99	0.13	8.33	2.10	34.5	6.0	141	10.95	53.5	2.46
R609824		1.76	2.09	4.27	133.5	3890	1.01	0.16	3.55	2.48	39.1	3.6	141	14.05	56.9	1.55
R609825		1.54	2.29	5.11	36.8	2780	1.17	0.21	0.49	0.81	49.3	0.9	121	16.45	41.2	0.53
R609826		1.32	2.22	5.39	41.7	3070	1.21	0.23	0.51	0.94	53.7	1.1	136	16.95	42.6	0.57
R609827		1.64	2.70	5.56	288	2810	1.75	0.21	0.77	1.78	53.0	1.5	139	18.75	118.5	1.24
R609828		2.28	2.22	5.08	60.4	1800	1.47	0.23	0.26	0.67	53.8	0.8	128	17.40	60.3	0.64
R609829		1.90	1.42	4.74	36.4	2250	1.32	0.22	0.21	0.54	52.9	0.7	123	15.05	59.3	0.62
R609830		1.54	1.46	4.82	44.3	1880	1.26	0.20	0.20	0.51	51.7	0.9	127	16.45	73.7	0.71
R609831		1.56	2.38	4.83	33.0	1560	1.25	0.20	0.16	0.49	50.4	0.5	128	14.75	60.7	0.56
R609832		1.68	2.44	5.11	44.1	5270	1.35	0.22	0.16	0.37	52.9	0.7	127	17.40	50.3	0.73
R609833		1.50	2.83	4.25	56.5	4460	1.24	0.21	0.11	1.39	45.4	0.8	192	13.65	64.2	0.71
R609834		1.70	2.52	3.45	216	2280	0.99	0.15	7.48	4.28	36.7	4.5	139	8.24	69.5	2.26
R609835		1.86	2.55	5.06	193.5	2710	1.62	0.21	0.92	1.91	53.1	4.2	253	16.85	105.5	2.20
R609836		2.54	3.25	4.85	208	730	1.73	0.21	1.20	7.23	47.7	6.8	174	12.35	71.3	2.60

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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Finalized Date: 1- AUG- 2016
Account: RCM

CERTIFICATE OF ANALYSIS VA16115421

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R609797		18.30	0.18	2.9	0.413	0.072	2.59	36.3	13.9	0.47	169	6.97	0.03	17.0	57.0	1420
R609798		18.95	0.16	3.2	0.739	0.061	2.70	38.8	12.8	0.47	43	7.75	0.03	18.2	29.1	850
R609799		17.40	0.15	2.8	0.546	0.064	2.45	34.4	15.2	0.35	46	4.90	0.03	16.4	46.9	1400
R609800		19.00	0.18	3.2	0.749	0.071	2.68	38.5	14.7	0.44	45	5.18	0.03	18.1	43.8	1120
R609801		19.40	0.18	3.1	0.806	0.068	2.71	39.4	16.4	0.45	32	4.55	0.03	18.6	43.8	1040
R609802		19.30	0.17	3.1	0.540	0.061	2.66	39.2	21.5	0.50	39	4.82	0.03	18.5	47.4	910
R609803		18.45	0.16	3.0	0.535	0.058	2.61	37.3	21.1	0.49	31	4.59	0.03	17.6	47.3	960
R609804		18.45	0.17	3.0	0.690	0.061	2.62	33.8	25.7	0.49	30	5.07	0.03	17.4	63.9	1020
R609805		18.60	0.18	2.9	0.784	0.068	2.60	33.5	24.4	0.46	35	5.57	0.03	17.0	78.8	1110
R609806		17.60	0.18	2.8	0.861	0.061	2.63	32.2	16.7	0.47	74	5.11	0.03	17.3	84.0	1060
R609807		17.50	0.19	2.9	0.744	0.057	2.50	30.9	20.0	0.54	91	4.56	0.03	17.5	77.9	1070
R609808		17.80	0.17	2.8	0.698	0.055	2.47	32.2	17.2	0.49	58	4.94	0.03	16.5	81.0	1010
R609809		17.10	0.17	2.7	0.887	0.052	2.48	32.4	14.5	0.49	70	4.39	0.03	16.6	98.4	930
R609810		17.55	0.17	2.8	0.903	0.049	2.57	34.1	12.7	0.56	90	4.49	0.03	16.7	129.5	770
R609811		16.75	0.16	2.7	1.100	0.055	2.56	32.6	11.9	0.62	124	5.90	0.03	17.6	125.5	820
R609812		16.85	0.13	2.6	0.947	0.054	2.55	32.0	9.6	0.86	257	4.35	0.03	15.9	105.5	580
R609813		16.95	0.14	2.6	0.869	0.057	2.48	32.7	10.4	0.73	212	4.40	0.03	15.9	85.6	710
R609814		17.85	0.16	2.9	0.805	0.057	2.68	35.9	10.6	0.66	136	4.85	0.03	17.5	68.6	890
R609815		17.65	0.16	2.8	0.693	0.056	2.63	35.6	10.6	0.69	129	4.95	0.03	18.4	66.8	950
R609816		17.45	0.15	2.8	0.698	0.055	2.58	34.2	12.9	0.63	103	4.47	0.03	17.7	67.4	930
R609817		18.15	0.17	2.8	0.657	0.059	2.65	35.4	15.8	0.69	109	4.46	0.03	17.1	62.6	930
R609818		18.55	0.16	2.8	0.631	0.059	2.66	35.5	14.9	0.62	90	4.82	0.03	16.9	62.4	930
R609819		15.60	0.20	2.6	1.120	0.044	1.98	43.2	14.8	0.29	63	57.4	0.05	11.0	146.5	3140
R609820		7.73	0.15	1.6	1.490	0.038	0.93	25.2	12.4	0.17	154	11.00	0.02	6.0	94.4	2220
R609821		9.75	0.18	1.9	1.065	0.035	1.06	37.8	12.3	0.21	86	24.6	0.03	6.8	149.0	5150
R609822		11.40	0.17	2.2	1.510	0.037	1.42	37.0	13.7	0.21	61	22.2	0.03	8.5	99.4	2740
R609823		8.50	0.13	1.8	0.999	0.033	1.04	28.6	4.8	0.19	125	9.83	0.01	7.2	109.0	1590
R609824		12.45	0.12	2.0	1.040	0.038	1.50	27.3	7.8	0.19	91	6.15	0.03	8.4	60.5	1010
R609825		15.60	0.12	2.4	1.295	0.028	1.79	32.2	10.8	0.21	25	1.80	0.04	10.2	16.8	510
R609826		15.55	0.12	2.6	1.265	0.036	1.84	35.7	14.0	0.22	28	2.07	0.04	10.4	20.0	540
R609827		15.10	0.13	2.3	2.89	0.051	1.84	35.0	12.2	0.21	39	3.86	0.03	9.6	37.0	880
R609828		15.05	0.11	2.3	1.065	0.050	1.70	35.3	11.1	0.23	17	2.37	0.03	10.3	17.0	390
R609829		14.50	0.10	2.4	1.170	0.049	1.59	35.1	11.6	0.22	14	3.87	0.03	10.3	13.2	420
R609830		14.80	0.11	2.4	1.355	0.041	1.60	34.2	10.7	0.23	15	4.41	0.03	9.8	15.2	350
R609831		14.30	0.10	2.3	1.885	0.041	1.62	33.0	12.3	0.22	15	7.13	0.03	9.7	15.7	410
R609832		15.05	0.10	2.4	1.315	0.036	1.75	34.4	12.4	0.24	15	3.99	0.03	9.9	17.9	340
R609833		12.05	0.18	2.2	2.55	0.035	1.46	34.9	16.6	0.20	14	6.67	0.03	9.1	31.5	570
R609834		9.65	0.19	1.7	1.850	0.045	1.22	26.4	12.0	0.84	120	6.24	0.02	6.7	69.6	1240
R609835		14.00	0.21	2.2	2.21	0.056	1.74	40.8	12.5	0.33	48	13.80	0.04	9.1	81.1	1200
R609836		13.10	0.15	2.2	3.00	0.063	1.61	32.0	14.0	0.48	91	9.92	0.03	8.8	101.0	1960

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Finalized Date: 1- AUG- 2016
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CERTIFICATE OF ANALYSIS VA16115421

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R609797		27.1	129.0	0.006	0.59	6.70	12.7	4	2.0	204	1.00	0.11	9.77	0.362	2.92	5.6
R609798		43.9	131.5	0.005	0.35	8.77	11.6	8	2.1	224	1.07	0.13	10.55	0.388	3.54	4.6
R609799		67.9	114.0	0.005	0.49	8.31	14.7	4	1.8	301	0.97	0.11	9.41	0.346	2.99	5.5
R609800		60.4	131.0	0.005	0.58	9.55	17.2	8	2.1	272	1.07	0.13	10.60	0.385	3.61	6.8
R609801		52.2	136.0	0.006	0.78	8.85	18.6	10	2.1	273	1.10	0.12	11.10	0.394	3.58	7.0
R609802		29.6	134.5	0.005	0.63	5.78	15.3	7	2.1	210	1.09	0.12	10.75	0.400	2.90	6.4
R609803		21.8	128.5	0.005	1.20	4.80	14.1	6	2.1	226	1.06	0.12	10.50	0.386	3.38	5.4
R609804		21.5	132.5	0.005	2.29	5.19	14.1	6	2.1	268	1.04	0.13	9.90	0.380	4.23	5.9
R609805		22.8	130.5	0.005	2.58	5.58	14.7	6	2.1	293	1.02	0.13	9.88	0.366	3.73	7.2
R609806		24.6	127.0	0.004	2.72	5.79	13.8	6	2.0	261	1.02	0.12	9.27	0.371	3.34	6.7
R609807		22.1	121.5	0.005	3.14	5.42	12.5	5	1.9	279	1.02	0.10	9.01	0.360	3.88	5.6
R609808		24.1	121.5	0.004	2.42	5.76	12.0	6	2.0	224	1.00	0.11	9.35	0.352	3.26	5.2
R609809		39.9	118.5	0.004	2.37	6.98	12.0	5	1.9	206	0.98	0.11	8.81	0.352	2.97	5.7
R609810		46.0	122.5	0.005	1.75	6.91	11.9	5	1.9	154.5	0.99	0.11	8.84	0.346	2.26	5.4
R609811		44.3	121.5	0.005	2.00	9.04	11.5	6	1.8	166.5	1.11	0.12	8.77	0.346	2.47	5.2
R609812		47.9	115.0	0.004	1.25	8.73	11.7	5	1.9	153.0	0.94	0.11	8.04	0.336	1.81	4.4
R609813		59.1	118.5	0.004	1.31	11.45	12.0	5	1.9	161.0	0.94	0.10	8.55	0.330	2.05	4.5
R609814		44.0	128.0	0.005	1.72	8.80	12.5	6	2.0	156.5	1.04	0.13	9.47	0.364	2.41	4.8
R609815		51.3	124.0	0.004	1.76	8.18	11.9	6	1.9	163.5	1.08	0.12	9.42	0.359	2.42	4.7
R609816		32.9	122.5	0.005	1.90	6.91	11.9	5	1.9	195.5	1.03	0.12	9.22	0.352	3.08	5.0
R609817		25.9	130.5	0.004	2.15	6.11	13.1	5	2.1	172.0	1.00	0.11	9.76	0.365	3.09	4.6
R609818		26.3	132.5	0.004	2.05	5.68	13.0	6	2.0	157.5	0.99	0.11	9.76	0.366	2.80	4.7
R609819		49.5	101.5	0.023	0.27	23.6	10.7	22	1.7	581	0.67	0.20	8.48	0.324	6.59	16.4
R609820		100.0	46.6	0.024	0.21	9.74	10.8	10	0.9	561	0.35	0.11	4.25	0.172	2.51	8.6
R609821		17.4	59.9	0.023	0.25	7.31	10.8	15	1.0	631	0.42	0.12	5.46	0.210	4.09	19.2
R609822		81.0	73.1	0.018	0.26	9.48	10.3	11	1.3	493	0.52	0.12	6.52	0.262	3.89	13.5
R609823		27.2	54.4	0.017	0.09	3.84	8.9	6	1.0	563	0.43	0.08	5.24	0.205	3.40	6.4
R609824		86.1	71.0	0.018	0.16	7.61	9.8	5	1.4	296	0.51	0.08	5.94	0.247	3.36	5.4
R609825		74.2	89.1	0.010	0.08	5.81	10.4	2	1.7	162.0	0.61	0.10	7.27	0.292	2.43	4.6
R609826		79.5	100.0	0.010	0.10	5.97	11.5	2	1.7	173.5	0.67	0.15	8.07	0.299	2.57	4.8
R609827		133.0	99.7	0.022	0.14	7.69	17.1	5	1.6	231	0.64	0.11	7.88	0.289	2.93	7.8
R609828		90.2	99.3	0.012	0.11	3.96	14.8	3	1.6	152.5	0.66	0.14	8.15	0.300	2.50	4.8
R609829		47.7	95.3	0.006	0.14	4.08	14.4	4	1.6	176.0	0.67	0.13	7.85	0.292	3.08	4.8
R609830		53.6	97.4	0.010	0.16	4.02	14.8	4	1.5	157.0	0.63	0.16	7.85	0.289	3.17	4.9
R609831		157.5	93.0	0.023	0.11	6.61	11.7	5	1.5	161.5	0.63	0.12	7.68	0.287	3.02	5.0
R609832		82.5	101.5	0.010	0.26	6.32	10.7	4	1.6	166.5	0.64	0.15	7.94	0.287	3.39	4.8
R609833		187.0	83.5	0.025	0.30	15.45	9.3	42	1.4	199.0	0.58	0.13	6.80	0.272	5.30	7.8
R609834		73.0	64.8	0.025	0.33	11.70	10.2	25	1.1	500	0.44	0.15	5.31	0.196	4.63	8.6
R609835		46.8	100.0	0.042	0.53	6.26	12.1	33	1.6	317	0.59	0.16	8.12	0.283	5.76	13.7
R609836		230	90.0	0.021	2.25	13.10	11.6	15	1.5	381	0.57	0.11	7.22	0.271	5.06	9.6

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 1- AUG- 2016
Account: RCM

CERTIFICATE OF ANALYSIS VA16115421

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	As- OG62	Au- AA26
	Analyte	V	W	Y	Zn	Zr	As	Au
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	1	0.1	0.1	2	0.5	0.001	0.01
R609797		438	3.1	19.1	381	111.0		0.01
R609798		427	3.7	17.9	126	127.0		0.01
R609799		422	5.7	29.0	213	105.5		0.01
R609800		442	6.6	27.1	215	121.0		0.01
R609801		445	6.2	25.3	200	122.0		0.01
R609802		446	4.4	22.3	210	119.5		0.01
R609803		408	3.8	21.0	145	112.0		0.01
R609804		409	4.0	23.5	220	113.0		0.01
R609805		397	5.5	26.6	299	111.5		0.01
R609806		403	8.2	27.7	381	108.0		0.01
R609807		397	5.7	25.6	332	107.5		0.01
R609808		401	4.5	24.5	350	106.5		0.01
R609809		389	5.7	25.8	427	102.5		0.01
R609810		385	6.2	28.0	496	105.5		<0.01
R609811		371	6.6	26.7	538	101.5		<0.01
R609812		368	6.4	23.4	529	100.5		0.01
R609813		362	6.8	25.1	377	103.0		0.01
R609814		414	6.8	26.4	333	127.0		0.01
R609815		404	5.8	26.2	321	108.0		0.01
R609816		390	5.5	24.0	334	106.0		0.01
R609817		371	3.7	25.9	338	109.0		0.01
R609818		380	4.4	25.0	316	107.5		0.01
R609819		768	3.1	37.2	515	96.4		0.01
R609820		239	2.9	36.3	765	59.6		<0.01
R609821		308	2.0	51.7	672	72.3		0.01
R609822		329	3.4	38.2	483	85.5		0.01
R609823		232	2.2	31.8	461	68.5		<0.01
R609824		223	4.6	27.1	355	73.9		0.01
R609825		225	5.8	26.6	74	90.9		0.01
R609826		232	5.7	26.3	92	102.0		0.01
R609827		242	5.2	27.8	229	85.7		0.01
R609828		230	3.8	24.9	79	86.7		0.01
R609829		223	3.1	24.5	54	93.1		0.01
R609830		228	2.7	23.1	59	85.5		0.01
R609831		233	4.7	23.5	60	83.9		0.01
R609832		229	5.4	22.5	87	86.6		0.01
R609833		248	5.9	22.7	89	81.5		0.01
R609834		216	4.2	28.7	556	68.6		0.01
R609835		288	3.8	31.9	422	83.6		0.01
R609836		259	5.3	30.6	603	82.8		0.01

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Finalized Date: 1- AUG- 2016
Account: RCM

CERTIFICATE OF ANALYSIS VA16115421

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R609837		2.44	3.33	5.17	254	670	1.76	0.22	0.62	5.24	50.3	6.1	171	14.00	87.6	2.63
R609838		2.44	2.54	5.23	305	540	1.71	0.23	0.96	2.18	51.8	7.5	175	14.75	95.1	2.67
R609839		2.22	4.12	4.33	277	580	1.53	0.17	1.61	6.38	42.7	5.7	146	10.30	64.0	2.45
R609840		2.60	4.48	5.39	369	830	1.81	0.21	0.50	2.53	48.6	9.1	164	13.80	80.7	3.28
R609841		2.54	1.28	5.50	389	780	1.86	0.22	0.44	4.26	51.9	10.0	168	14.95	88.3	3.23
R609842		2.54	2.28	5.42	209	760	1.55	0.23	0.18	0.70	56.9	3.4	197	15.75	132.0	1.47
R609843		2.46	4.68	5.09	218	1370	1.22	0.27	0.15	0.23	57.1	0.9	160	13.25	40.2	0.99
R609844		2.54	1.25	4.89	2560	1790	1.57	0.23	0.37	4.63	48.5	7.4	179	13.35	119.0	4.66
R609845		2.26	0.91	4.85	982	1740	1.73	0.22	0.29	2.19	53.2	1.2	160	10.95	69.0	1.20
R609846		2.38	2.92	4.89	2130	1730	1.56	0.22	0.41	2.59	53.1	1.8	150	11.20	69.2	1.58
R609847		2.42	3.90	4.25	>10000	1430	1.47	0.20	1.06	8.89	51.6	1.4	184	12.55	107.0	2.75
R609848		1.38	3.02	4.65	>10000	1740	1.74	0.17	0.95	16.10	43.2	3.0	146	9.17	131.0	3.69
R609849		1.62	3.58	4.73	>10000	1860	1.62	0.18	1.08	14.80	51.5	3.3	150	11.10	111.5	3.33
R609850		1.28	3.49	4.47	7840	1850	1.35	0.20	1.34	10.60	42.6	3.6	144	10.55	97.4	3.17
R609851		2.14	4.29	3.81	68.3	4650	1.42	0.20	2.60	3.24	39.1	2.1	307	13.60	55.4	1.59
R609852		1.68	3.59	2.64	184.0	4730	0.91	0.11	12.25	5.89	25.7	7.7	117	7.72	58.8	2.20
R609853		1.78	2.21	2.58	123.5	4530	0.80	0.13	11.35	3.13	28.7	6.4	107	7.85	46.8	1.89
R609731		1.50	1.04	5.67	180.5	2180	2.13	0.24	1.90	2.26	70.1	10.0	103	15.50	65.4	3.28

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Finalized Date: 1- AUG- 2016
Account: RCM

CERTIFICATE OF ANALYSIS VA16115421

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R609837		14.00	0.15	2.4	3.12	0.062	1.77	37.9	19.0	0.38	58	11.95	0.03	9.1	109.5	1150
R609838		14.15	0.17	2.4	2.31	0.061	1.82	38.0	17.0	0.52	68	14.70	0.03	9.7	131.5	1270
R609839		11.65	0.14	2.0	2.51	0.038	1.46	31.6	13.8	0.76	88	11.40	0.03	8.3	106.5	1170
R609840		14.25	0.15	2.5	2.99	0.062	1.76	34.0	14.3	0.33	53	9.27	0.04	9.6	152.0	1640
R609841		14.75	0.14	3.1	3.14	0.060	1.79	36.2	14.4	0.34	62	6.11	0.04	10.0	145.5	1350
R609842		15.35	0.14	2.6	3.04	0.053	1.83	43.0	16.0	0.28	57	10.40	0.04	10.7	69.6	820
R609843		14.70	0.16	2.5	2.65	0.052	1.78	43.3	17.2	0.25	18	4.82	0.03	10.8	36.0	730
R609844		14.10	0.11	2.3	3.04	0.074	1.66	38.5	14.6	0.24	85	11.60	0.03	8.9	101.0	1520
R609845		13.15	0.11	2.5	3.06	0.050	1.56	42.3	14.6	0.24	23	3.72	0.03	10.1	31.5	990
R609846		13.50	0.08	2.4	2.95	0.051	1.62	43.4	14.5	0.25	46	4.00	0.03	10.3	37.8	1050
R609847		13.80	0.13	2.2	2.59	0.057	1.36	41.3	12.6	0.20	51	15.50	0.03	9.0	31.5	1920
R609848		11.20	0.10	1.9	1.975	0.056	1.34	33.4	14.3	0.20	80	8.23	0.03	7.6	87.2	1900
R609849		13.50	0.11	2.1	2.19	0.056	1.47	38.9	14.9	0.23	70	9.19	0.03	8.5	79.5	1520
R609850		12.60	0.11	2.1	2.17	0.050	1.40	33.2	12.6	0.24	70	9.35	0.03	7.8	78.3	1390
R609851		11.80	0.14	2.2	0.960	0.032	1.15	39.4	21.4	0.27	43	17.25	0.03	7.9	84.9	4250
R609852		7.26	0.10	1.3	1.205	0.028	0.84	22.2	6.1	0.20	190	8.71	0.03	5.5	117.5	1470
R609853		6.99	0.08	1.3	1.020	0.033	0.82	23.5	5.6	0.18	144	7.35	0.04	5.9	100.0	1550
R609731		16.40	0.11	3.0	0.656	0.054	2.21	39.3	27.8	0.88	335	7.12	0.15	17.3	64.9	1220

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CERTIFICATE OF ANALYSIS VA16115421

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R609837		126.5	99.5	0.012	2.27	13.85	11.9	15	1.6	209	0.62	0.08	7.97	0.292	4.89	9.1
R609838		143.0	103.0	0.021	2.57	13.05	11.8	17	1.5	248	0.64	0.11	8.06	0.304	5.11	11.0
R609839		246	81.3	0.011	2.19	15.90	10.4	12	1.2	262	0.53	0.14	6.36	0.247	4.30	9.1
R609840		383	101.0	0.007	3.37	18.20	10.2	13	1.5	330	0.66	0.13	7.58	0.313	6.46	10.3
R609841		69.4	107.0	0.007	3.35	5.77	10.3	13	1.7	305	0.67	0.08	7.95	0.318	6.61	9.8
R609842		56.2	109.5	0.010	1.32	7.81	10.0	19	1.7	261	0.69	0.09	8.60	0.342	4.67	11.1
R609843		161.5	107.5	0.008	0.32	15.45	9.6	25	1.7	252	0.71	0.11	8.85	0.320	4.50	7.8
R609844		106.0	92.5	0.013	0.37	12.70	13.0	13	1.4	505	0.58	0.11	7.61	0.281	5.39	12.1
R609845		48.1	96.3	0.010	0.17	6.11	7.5	6	1.5	342	0.67	0.09	7.98	0.311	4.70	11.9
R609846		69.9	97.6	0.008	0.36	9.49	8.0	6	1.6	376	0.67	0.10	7.89	0.313	5.96	11.0
R609847		82.0	82.1	0.005	0.19	24.6	7.8	14	1.4	580	0.58	0.12	7.53	0.283	14.20	15.1
R609848		127.5	68.3	0.005	0.42	18.70	8.3	8	1.2	875	0.49	0.11	6.24	0.249	4.95	11.8
R609849		129.0	81.1	0.008	0.52	18.55	10.1	11	1.4	644	0.54	0.13	7.30	0.268	5.60	11.6
R609850		129.0	72.7	0.008	0.56	16.90	9.1	11	1.3	528	0.54	0.07	6.29	0.251	4.89	10.2
R609851		14.6	69.4	0.015	0.25	6.35	9.7	10	1.1	455	0.56	0.07	6.05	0.252	3.68	14.6
R609852		113.0	43.3	0.016	0.14	6.56	8.9	9	0.8	615	0.35	0.07	3.91	0.156	2.76	6.0
R609853		41.3	47.3	0.016	0.11	4.22	7.8	7	0.8	680	0.38	0.11	4.33	0.155	2.62	5.0
R609731		24.7	119.0	0.016	0.25	5.03	12.4	4	1.8	155.5	1.11	0.10	10.50	0.373	2.25	4.8

***** See Appendix Page for comments regarding this certificate *****

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www.alsglobal.com

To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 1- AUG- 2016
Account: RCM

CERTIFICATE OF ANALYSIS VA16115421

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	As- OG62	Au- AA26
	Analyte	V	W	Y	Zn	Zr	As	Au
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	1	0.1	0.1	2	0.5	0.001	0.01
R609837		245	5.6	34.4	682	87.5		0.02
R609838		248	4.9	34.5	548	90.6		0.02
R609839		231	5.3	26.3	669	78.8		0.01
R609840		248	5.5	34.4	549	90.9		0.01
R609841		251	3.8	33.5	710	93.3		0.01
R609842		257	4.5	24.8	139	97.2		0.01
R609843		255	5.9	23.9	34	95.4		0.01
R609844		262	3.4	70.0	438	91.3		0.01
R609845		231	3.8	41.5	69	90.0		0.01
R609846		246	3.9	25.3	127	92.3		0.01
R609847		276	4.2	32.4	151	83.8	1.825	0.01
R609848		237	3.9	54.0	352	77.4	1.465	0.01
R609849		245	4.4	44.5	347	84.1	1.090	<0.01
R609850		239	4.5	34.6	383	79.6		0.01
R609851		428	1.4	40.8	316	86.0		0.01
R609852		239	2.6	31.7	798	56.6		0.01
R609853		243	2.0	28.2	565	49.7		<0.01
R609731		371	2.3	26.5	275	106.0		0.02

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Account: RCM

CERTIFICATE OF ANALYSIS VA16115421

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

As- OG62	Au- AA26	CRU- 31	CRU- QC
EXTRA- 01	Hg- MS42	LOG- 21	ME- MS61
ME- OG62	PUL- 31	SPL- 21	WEI- 21

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 31- JUL- 2016
Account: RCM

CERTIFICATE VA16116266

Project: Nadaleen

P.O. No.: N16- B06

This report is for 89 Rock samples submitted to our lab in Whitehorse, YT, Canada on 19- JUL- 2016.

The following have access to data associated with this certificate:

JULIA LANE	JOAN MARIACHER	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 21	Sample logging - ClientBarCode
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- AA26	Ore Grade Au 50g FA AA finish	AAS
ME- MS61	48 element four acid ICP- MS	
Hg- MS42	Trace Hg by ICPMS	ICP- MS
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES
As- OG62	Ore Grade As - Four Acid	VARIABLE

To: **ATAC RESOURCES LTD.**
ATTN: JULIA LANE
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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.

***** See Appendix Page for comments regarding this certificate *****

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 31- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16116266

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R609854		1.88	1.88	4.40	130.5	2660	1.68	0.21	1.25	1.86	50.4	3.4	127	17.35	52.8	2.00
R609855		1.50	1.64	4.38	70.4	2150	1.73	0.23	0.23	1.42	61.4	1.0	116	21.6	33.1	1.52
R609856		1.94	1.76	4.64	70.6	2090	1.69	0.25	0.13	0.88	62.1	0.8	124	22.2	15.2	1.65
R609857		1.72	3.13	4.71	79.7	1430	1.70	0.25	0.13	0.90	59.8	1.7	124	22.4	13.7	1.65
R609858		2.34	1.93	4.68	118.0	1550	1.71	0.22	0.10	1.16	59.8	3.4	122	21.8	22.4	1.83
R609859		2.12	1.51	4.79	66.3	1310	1.86	0.24	0.06	0.61	59.6	1.7	122	21.4	18.7	1.47
R609860		2.16	1.55	4.78	66.5	1610	1.67	0.24	0.09	0.85	60.6	0.8	124	21.7	14.2	1.88
R609861		2.24	1.63	5.05	193.5	1670	1.80	0.24	0.14	1.73	61.9	2.7	128	26.3	40.5	3.23
R609862		2.32	0.96	5.21	171.0	1620	1.55	0.25	0.11	1.12	60.4	2.8	105	27.0	20.9	3.01
R609863		2.82	0.84	5.76	146.5	1440	2.32	0.28	0.05	0.68	69.2	7.9	108	30.4	64.2	2.86
R609864		2.52	0.87	5.72	332	1500	2.52	0.25	0.12	2.91	66.0	8.4	112	33.6	87.3	3.30
R609865		2.30	0.87	5.50	249	1420	2.49	0.24	0.12	1.76	61.5	7.8	109	30.1	79.4	3.19
R609866		2.02	1.68	5.32	314	1240	2.08	0.24	0.12	1.19	60.5	6.0	108	28.3	61.8	2.64
R609867		1.88	1.08	5.44	282	480	2.56	0.24	0.15	1.91	62.9	7.6	109	27.5	108.0	3.46
R609868		1.96	0.84	5.78	177.5	910	2.55	0.25	0.32	1.87	65.7	7.3	106	30.9	95.6	2.99
R609869		2.78	0.84	5.41	120.0	230	2.67	0.24	1.43	2.94	61.6	9.1	100	29.5	115.5	4.81
R609870		2.28	0.84	5.32	159.0	290	2.59	0.25	1.06	3.12	61.3	9.2	101	28.7	133.5	4.40
R609871		1.84	1.31	4.84	172.5	350	2.04	0.21	0.67	3.05	54.7	8.0	101	26.6	91.3	3.03
R609872		2.00	1.26	3.92	202	440	1.79	0.16	2.37	3.21	45.0	5.2	100	18.70	82.3	2.61
R609873		1.54	1.02	5.05	266	960	2.06	0.22	0.39	2.88	59.5	6.5	108	29.2	83.1	3.06
R609874		1.86	1.28	4.91	168.5	540	2.08	0.21	0.29	3.19	58.1	6.4	109	26.6	78.0	2.76
R609875		1.50	1.06	4.64	884	860	2.16	0.17	0.28	2.87	51.0	3.9	132	22.4	75.2	3.29
R609876		1.90	1.11	4.81	919	660	2.37	0.18	0.31	3.00	53.7	4.2	137	23.6	79.0	3.47
R609877		2.34	0.87	5.67	791	450	2.46	0.24	0.46	6.21	59.5	8.3	103	22.3	97.5	3.14
R609878		1.98	0.70	5.62	184.0	110	2.22	0.26	1.16	3.52	55.6	9.8	89	30.2	85.2	3.11
R609879		1.72	0.72	5.53	172.0	190	2.03	0.26	0.89	2.94	58.6	9.4	94	29.6	81.9	3.47
R609880		2.16	0.84	5.42	235	240	2.11	0.25	0.64	3.17	58.0	8.4	100	27.6	81.2	3.48
R609881		2.00	16.30	3.37	150.0	2900	1.52	0.18	11.55	64.3	32.8	6.5	577	15.05	129.5	2.20
R609882		2.26	19.65	3.30	208	3880	1.78	0.16	9.17	80.4	30.7	9.4	727	16.05	184.5	3.03
R609883		2.30	35.1	4.27	527	2800	2.20	0.24	2.60	66.0	39.0	9.4	1060	25.4	250	4.34
R609884		2.48	28.2	3.51	419	3130	1.77	0.19	5.92	77.8	33.0	7.0	897	20.4	212	3.43
R609885		1.40	14.75	3.25	305	4160	1.34	0.17	6.42	48.3	31.9	6.4	495	13.05	131.0	2.64
R609886		1.82	7.13	3.18	394	3620	1.25	0.16	3.62	35.9	31.9	9.0	255	11.50	110.5	2.81
R609887		1.68	3.73	2.33	638	3600	1.35	0.11	9.13	31.5	22.6	9.0	164	7.16	114.5	3.56
R609888		2.12	2.61	3.34	357	3540	1.03	0.17	3.49	12.45	33.2	4.9	139	11.15	63.2	2.47
R609889		2.16	3.20	3.56	286	2570	1.04	0.19	1.48	5.62	36.8	3.2	121	10.20	45.3	2.13
R609890		2.16	1.43	1.73	567	4740	1.19	0.07	17.70	7.23	16.35	9.5	79	3.25	81.7	3.73
R609891		2.30	1.52	1.54	380	3510	0.83	0.07	18.25	7.24	12.95	6.6	70	2.68	63.5	2.88
R609892		1.76	1.36	2.27	205	2630	0.93	0.09	14.95	3.56	22.9	5.0	89	3.93	65.0	2.25
R609893		1.78	1.49	2.37	242	3050	0.98	0.08	12.90	5.20	22.3	5.6	90	5.03	77.8	2.45

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 31- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16116266

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R609854		11.90	0.11	2.3	0.620	0.041	1.69	37.8	13.6	0.27	60	14.80	0.03	13.6	57.6	1320
R609855		13.60	0.10	2.7	0.539	0.044	1.93	36.3	15.1	0.29	23	11.25	0.03	19.0	20.2	510
R609856		13.55	0.10	2.7	0.799	0.041	2.06	37.4	14.9	0.33	19	9.73	0.03	19.0	17.7	510
R609857		14.05	0.11	2.7	0.887	0.045	2.12	35.8	12.5	0.33	18	9.68	0.03	19.0	30.6	490
R609858		13.90	0.11	2.7	0.836	0.049	2.05	36.0	12.4	0.33	20	15.85	0.03	18.4	54.0	500
R609859		13.95	0.11	2.8	0.805	0.036	2.10	35.6	14.4	0.34	18	8.82	0.03	19.0	28.4	400
R609860		14.10	0.10	2.8	1.015	0.054	2.21	36.3	14.3	0.34	15	8.46	0.03	19.1	19.8	590
R609861		15.15	0.10	2.9	0.946	0.069	2.26	36.3	13.4	0.32	22	12.90	0.03	18.8	37.6	1380
R609862		14.65	0.10	2.6	0.859	0.051	2.37	35.0	12.7	0.36	24	12.15	0.03	17.8	37.3	1010
R609863		16.45	0.11	2.8	0.785	0.073	2.56	38.9	13.8	0.39	66	10.60	0.03	19.4	52.0	1080
R609864		16.70	0.13	2.9	0.950	0.074	2.53	37.5	15.1	0.40	88	14.35	0.03	18.6	60.5	1410
R609865		15.15	0.12	2.8	1.050	0.060	2.38	37.5	15.6	0.40	68	12.25	0.03	18.1	62.4	1310
R609866		15.10	0.10	2.8	1.340	0.056	2.35	34.6	14.2	0.36	79	9.81	0.03	18.2	51.8	970
R609867		15.05	0.14	2.6	1.130	0.064	2.40	35.2	15.5	0.37	69	9.72	0.03	18.0	65.3	1160
R609868		15.70	0.13	2.6	1.010	0.059	2.56	36.6	15.7	0.48	70	8.33	0.03	18.3	58.5	1150
R609869		14.45	0.15	2.4	1.090	0.054	2.36	33.2	16.2	0.88	156	8.11	0.03	17.2	72.4	1200
R609870		14.55	0.14	2.4	1.170	0.067	2.30	33.1	15.7	0.71	123	9.01	0.03	17.1	77.0	1350
R609871		13.05	0.10	2.4	1.565	0.056	2.08	30.2	13.0	0.49	91	8.82	0.03	16.2	65.9	1300
R609872		10.85	0.12	2.1	2.38	0.042	1.68	26.5	10.6	1.27	167	8.24	0.02	13.7	54.8	980
R609873		14.70	0.11	2.6	1.290	0.060	2.20	34.4	12.9	0.46	72	11.40	0.03	16.9	54.8	1340
R609874		14.15	0.11	2.6	1.205	0.055	2.12	33.5	12.8	0.38	61	11.00	0.03	17.1	61.8	1120
R609875		12.40	0.10	2.2	1.465	0.051	1.84	30.2	11.0	0.32	40	11.80	0.02	15.1	62.0	2650
R609876		13.10	0.10	2.3	1.435	0.058	1.92	31.2	11.5	0.34	44	12.65	0.03	16.1	65.6	2780
R609877		14.60	0.09	2.3	2.08	0.062	2.34	32.3	18.1	0.42	70	8.00	0.03	15.4	109.0	1840
R609878		15.35	0.10	2.3	0.940	0.060	2.44	25.4	14.9	0.75	128	5.86	0.03	15.6	63.7	1040
R609879		14.90	0.11	2.4	0.894	0.063	2.39	29.6	15.2	0.73	172	5.96	0.03	15.3	66.3	1020
R609880		14.80	0.10	2.4	0.875	0.065	2.36	30.4	14.2	0.60	108	8.40	0.03	15.6	64.2	1170
R609881		8.97	0.18	1.5	0.963	0.041	1.20	35.9	11.8	0.27	110	81.4	0.04	5.6	285	3900
R609882		8.47	0.19	1.5	1.290	0.043	1.06	37.6	12.7	0.27	117	105.5	0.03	5.2	347	5290
R609883		10.55	0.25	1.9	2.64	0.051	1.35	49.4	13.8	0.26	114	156.5	0.03	6.5	494	7500
R609884		8.90	0.19	1.7	2.95	0.045	1.13	42.8	11.9	0.26	133	114.5	0.04	5.7	429	6920
R609885		8.55	0.14	1.7	2.86	0.047	1.07	33.4	17.0	0.20	118	58.4	0.02	5.7	259	4450
R609886		8.59	0.11	1.5	1.495	0.036	1.01	28.1	11.2	0.16	123	35.0	0.03	5.8	176.0	2790
R609887		5.97	0.10	1.1	0.865	0.045	0.68	20.6	7.3	0.19	132	28.9	0.02	4.1	174.0	2440
R609888		8.96	0.11	1.5	0.839	0.035	1.11	25.9	10.3	0.17	61	20.4	0.03	6.2	96.9	1490
R609889		10.20	0.10	1.7	1.165	0.037	1.24	27.3	11.7	0.15	63	16.65	0.02	6.6	61.1	1520
R609890		5.33	0.16	0.7	0.548	0.045	0.52	11.8	4.2	0.65	209	16.65	0.03	2.8	173.0	1790
R609891		4.38	0.13	0.7	0.630	0.030	0.47	11.2	3.5	0.72	195	12.75	0.03	2.4	118.0	1660
R609892		6.34	0.13	1.0	0.638	0.028	0.75	18.7	3.8	0.90	136	8.90	0.01	4.2	83.1	2180
R609893		6.68	0.15	0.9	0.712	0.035	0.75	18.3	4.7	0.51	133	9.48	0.03	4.4	94.8	2330

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Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16116266

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R609854		19.5	85.2	0.026	0.24	7.28	8.9	5	1.5	366	0.88	0.13	7.76	0.283	4.84	6.5
R609855		16.5	104.0	0.022	0.39	8.46	8.1	5	1.7	211	1.14	0.09	8.72	0.315	3.88	5.8
R609856		19.4	104.5	0.062	0.41	7.50	8.1	5	1.8	248	1.18	0.12	9.38	0.335	4.69	5.9
R609857		32.0	108.0	0.039	0.36	8.08	7.9	4	1.8	265	1.14	0.20	8.66	0.328	3.06	5.7
R609858		30.5	103.5	0.032	0.28	9.05	8.0	5	1.8	215	1.11	0.19	8.70	0.320	2.91	6.4
R609859		16.5	106.0	0.033	0.34	6.57	8.5	5	1.7	180.0	1.16	0.15	8.94	0.328	3.40	6.0
R609860		16.5	113.0	0.027	0.51	5.95	8.9	5	1.9	307	1.20	0.18	9.13	0.336	8.02	6.2
R609861		27.0	116.5	0.016	0.51	7.83	10.1	4	1.7	516	1.15	0.17	9.57	0.339	5.46	6.9
R609862		18.8	117.5	0.012	0.72	7.58	8.9	5	1.7	320	1.10	0.14	9.11	0.343	4.67	5.2
R609863		17.5	130.5	0.014	0.45	7.08	11.6	9	1.9	204	1.19	0.10	10.10	0.360	4.14	7.4
R609864		19.0	128.0	0.045	0.40	9.90	11.4	5	1.7	337	1.16	0.11	9.42	0.350	5.14	10.8
R609865		17.6	117.0	0.035	0.62	8.30	11.3	11	1.7	232	1.12	0.15	9.16	0.344	4.82	9.0
R609866		45.1	116.5	0.029	0.58	8.69	10.1	9	1.6	229	1.15	0.13	8.34	0.339	4.10	6.3
R609867		23.0	117.0	0.014	1.76	7.22	11.6	13	1.8	215	1.10	0.13	9.11	0.345	4.50	7.7
R609868		16.9	123.5	0.015	1.04	6.17	11.8	11	1.9	227	1.13	0.14	9.45	0.356	5.13	7.3
R609869		16.1	116.5	0.006	2.95	6.25	11.9	18	1.7	247	1.09	0.11	8.81	0.337	4.97	6.9
R609870		16.3	115.0	0.008	2.54	6.60	11.9	18	1.7	230	1.05	0.11	8.78	0.326	4.70	7.2
R609871		21.3	101.0	0.011	2.08	7.06	9.9	8	1.5	163.5	1.01	0.14	7.96	0.305	3.96	6.4
R609872		16.3	79.0	0.007	1.40	5.96	7.7	7	1.2	259	0.85	0.13	6.22	0.252	4.18	5.9
R609873		17.0	110.5	0.027	0.92	8.83	10.4	7	1.6	311	1.06	0.14	8.47	0.313	5.37	9.6
R609874		16.6	103.5	0.016	1.34	7.73	9.6	7	1.7	244	1.05	0.13	8.10	0.307	5.27	7.9
R609875		13.8	87.2	0.009	0.98	6.67	8.8	7	1.4	169.0	0.97	0.11	6.96	0.276	4.95	25.4
R609876		15.2	92.9	0.007	1.01	7.12	9.4	7	1.5	182.0	0.99	0.10	7.47	0.286	5.41	27.6
R609877		34.0	109.5	0.008	1.64	5.89	11.2	6	1.7	192.0	0.94	0.10	8.63	0.310	4.14	17.1
R609878		22.1	123.5	0.006	2.25	4.90	11.9	5	1.8	158.0	0.98	0.11	8.61	0.333	3.45	7.5
R609879		17.3	119.5	0.007	2.85	5.10	11.7	5	1.8	189.0	0.99	0.10	8.43	0.332	4.02	6.7
R609880		19.0	115.5	0.006	2.35	6.18	11.0	6	1.6	256	0.99	0.12	8.69	0.328	3.97	8.1
R609881		15.6	69.6	0.050	0.23	28.0	11.0	29	1.0	1025	0.36	0.18	4.87	0.177	6.28	24.2
R609882		10.2	64.2	0.053	0.29	28.9	11.7	43	1.0	962	0.37	0.23	4.87	0.178	8.83	27.8
R609883		13.6	85.0	0.124	0.28	53.3	16.0	59	1.2	841	0.43	0.34	6.20	0.217	9.06	31.0
R609884		14.5	71.5	0.129	0.30	43.9	13.2	42	1.0	886	0.38	0.24	5.09	0.189	8.30	30.0
R609885		124.5	59.9	0.177	0.22	25.8	10.3	23	1.0	799	0.38	0.18	4.79	0.180	5.96	19.2
R609886		56.4	57.3	0.216	0.24	13.80	11.0	18	0.9	586	0.38	0.11	4.61	0.178	4.70	14.4
R609887		29.9	37.7	0.140	0.19	9.20	11.2	13	0.7	777	0.26	0.10	3.19	0.124	2.95	23.2
R609888		23.0	59.6	0.044	0.21	5.69	8.4	7	1.0	467	0.40	0.11	4.77	0.195	4.20	11.5
R609889		72.7	65.3	0.016	0.29	4.79	8.1	6	1.1	539	0.43	0.10	5.25	0.204	4.49	8.7
R609890		45.4	22.2	0.019	0.24	4.13	9.7	8	0.5	958	0.18	0.05	2.14	0.083	1.64	24.1
R609891		62.6	19.6	0.021	0.21	4.13	8.3	8	0.4	929	0.16	0.05	1.86	0.076	1.35	10.8
R609892		24.9	36.1	0.024	0.51	2.99	7.8	9	0.7	975	0.26	0.07	2.86	0.120	1.35	8.4
R609893		20.5	37.0	0.023	0.37	3.18	7.7	9	0.8	802	0.27	0.07	2.89	0.124	1.97	8.6

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 31- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16116266

Sample Description	Method / Analyte / Units / LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001	Au- AA26 Au ppm 0.01
R609854		454	2.1	28.2	269	84.1		0.01
R609855		535	2.6	25.2	107	112.0		0.01
R609856		577	3.2	24.2	98	111.5		0.01
R609857		583	4.0	23.7	153	110.0		0.01
R609858		607	2.8	26.1	295	111.0		<0.01
R609859		572	2.9	24.6	143	110.0		0.01
R609860		578	3.1	23.9	103	112.0		0.01
R609861		603	3.7	24.7	407	107.0		0.01
R609862		546	2.6	19.3	231	104.0		0.01
R609863		538	2.5	26.4	257	110.0		0.01
R609864		581	2.9	27.1	345	115.0		0.01
R609865		579	2.5	27.8	371	106.0		0.01
R609866		574	8.0	24.2	277	105.0		0.02
R609867		554	3.5	31.9	335	102.5		0.01
R609868		511	2.8	30.0	358	102.5		<0.01
R609869		458	2.5	33.7	462	94.3		0.01
R609870		481	2.3	33.7	487	92.7		<0.01
R609871		517	1.9	28.0	443	91.6		0.01
R609872		486	4.7	23.6	348	79.3		0.02
R609873		563	4.5	26.1	323	101.0		0.01
R609874		570	2.9	28.7	384	100.0		0.01
R609875		587	3.6	27.9	390	90.1		0.01
R609876		604	3.9	29.2	408	91.6		0.01
R609877		416	7.8	30.2	526	90.6		0.03
R609878		373	3.1	29.5	403	89.0		0.01
R609879		396	2.9	28.7	356	90.6		0.01
R609880		439	3.4	25.8	362	91.5		0.01
R609881		1160	1.6	60.0	1180	69.4		<0.01
R609882		1300	1.9	68.4	1630	67.0		<0.01
R609883		1850	2.7	101.0	2620	89.3		<0.01
R609884		1700	2.4	90.7	2070	78.2		<0.01
R609885		843	3.3	57.2	1400	68.3		<0.01
R609886		484	2.6	44.0	1220	62.3		0.01
R609887		308	1.7	43.9	1500	48.1		<0.01
R609888		255	2.1	30.2	835	60.2		0.01
R609889		222	3.7	27.5	503	62.3		0.01
R609890		210	1.2	45.0	1200	38.8		<0.01
R609891		187	1.2	35.0	870	29.0		<0.01
R609892		219	1.6	31.1	491	49.4		<0.01
R609893		216	1.5	28.5	619	42.1		<0.01

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VANCOUVER BC V6B 1L8

Finalized Date: 31- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16116266

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R609894		1.90	1.08	1.82	207	2840	0.79	0.06	16.00	5.01	17.40	4.7	76	4.21	57.9	2.01
R609895		2.08	1.36	2.58	210	2770	0.88	0.10	14.25	3.59	26.4	5.0	117	7.38	63.9	2.18
R609896		2.38	1.28	2.37	183.0	830	0.77	0.09	13.90	3.99	24.1	4.5	110	6.79	56.7	2.04
R609897		2.28	1.49	1.70	105.0	2270	0.70	0.09	16.30	4.16	18.85	3.0	83	5.43	35.8	1.41
R609898		1.68	1.22	2.78	156.0	770	0.91	0.10	12.90	2.54	28.8	4.8	107	8.09	58.7	1.95
R609899		2.16	1.56	3.10	177.5	640	1.05	0.12	12.05	3.45	31.0	5.3	119	9.15	63.3	2.14
R609900		2.22	2.22	3.43	349	660	1.46	0.13	10.05	4.29	32.9	7.4	133	9.80	75.9	3.13
R609901		2.70	3.58	2.95	611	2370	1.43	0.12	8.37	9.35	28.6	9.3	148	8.74	76.6	4.33
R609902		2.16	7.49	2.71	396	2240	1.05	0.11	6.63	23.8	26.5	6.1	237	8.13	66.8	2.98
R609903		2.16	11.05	2.54	306	3290	0.98	0.11	4.34	33.4	25.4	3.9	311	9.96	79.2	2.40
R609904		2.56	9.65	2.74	277	1910	1.09	0.12	4.49	31.1	26.9	4.6	305	9.21	86.6	2.35
R609905		2.96	6.96	3.88	1010	2700	1.07	0.15	8.61	3.66	42.7	1.5	96	8.19	42.0	1.80
R609906		1.98	9.67	4.89	5450	1470	1.01	0.21	0.17	1.81	55.8	0.5	99	8.98	37.8	1.58
R609907		2.14	15.25	4.96	4020	1700	0.93	0.21	0.12	0.74	57.7	0.5	93	8.69	25.0	1.04
R609908		2.30	15.65	4.58	6570	1160	0.85	0.18	0.11	0.64	52.9	0.4	92	6.78	23.1	1.15
R609909		2.04	10.00	4.78	>10000	1020	1.10	0.17	0.12	3.79	50.9	1.1	106	9.07	40.2	2.78
R609910		1.58	11.20	5.30	5540	1390	1.14	0.21	0.13	1.39	56.3	0.7	126	8.52	50.5	1.51
R609911		1.92	6.75	5.00	4810	1620	1.02	0.22	0.17	0.39	53.8	0.5	129	9.22	38.8	1.25
R609912		1.94	8.86	5.20	5560	980	1.03	0.22	0.54	3.61	56.4	0.4	151	10.50	34.4	1.98
R609913		1.84	6.93	4.36	8630	210	1.42	0.15	2.35	15.00	35.2	1.2	179	13.35	52.8	5.32
R609914		1.70	6.65	4.19	3510	2020	0.91	0.13	7.12	15.15	35.9	5.4	161	9.94	50.8	3.05
R609915		1.86	1.06	0.49	1645	630	0.25	0.02	29.6	5.31	6.15	1.0	28	1.59	6.3	0.56
R609916		1.86	4.02	2.01	1645	1040	0.56	0.07	21.3	20.2	23.1	3.6	97	12.55	25.1	1.61
R609917		1.94	7.60	5.31	1805	1720	1.12	0.18	1.93	10.10	55.2	7.8	184	29.5	71.9	3.39
R609918		2.26	1.29	0.93	335	400	0.45	0.04	20.3	6.84	9.95	2.7	28	2.84	12.3	0.68
R609919		2.28	5.27	3.67	663	790	1.26	0.14	9.79	15.30	41.0	4.9	69	6.48	52.4	2.41
R609920		1.74	8.74	3.01	1840	1250	0.85	0.10	13.35	59.9	31.8	5.4	102	11.15	40.7	1.91
R609921		2.22	1.58	0.27	267	280	0.37	0.01	34.3	15.95	3.19	0.9	9	0.58	5.1	0.20
R609922		1.68	1.00	0.18	341	220	0.22	0.01	34.7	10.05	2.84	1.3	8	0.46	4.8	0.29
R609923		2.10	1.00	0.20	280	190	0.30	0.01	35.5	8.75	2.49	0.8	7	0.51	4.2	0.16
R609924		2.32	0.69	0.29	184.0	240	0.37	0.01	35.8	5.33	3.44	0.9	7	0.67	3.8	0.19
R609925		1.76	0.89	0.37	720	1080	0.43	0.02	35.1	5.74	4.30	1.2	10	0.85	5.1	0.39
R609926		1.78	1.15	0.51	874	340	0.40	0.03	33.2	8.22	5.50	1.4	18	1.01	9.5	0.45
R609927		2.20	1.87	1.16	9430	750	0.60	0.05	29.3	12.30	11.15	2.7	45	1.76	21.2	1.36
R609928		2.16	1.61	1.58	4850	750	0.52	0.07	26.8	6.07	16.55	2.2	49	2.47	20.8	1.00
R609929		2.24	1.80	0.84	1480	610	0.59	0.04	30.4	5.99	9.48	1.7	31	4.97	12.3	0.43
R609930		2.24	5.52	1.46	2850	820	0.59	0.06	24.4	42.4	14.30	3.0	50	3.81	21.3	1.04
R609931		1.72	2.25	0.85	832	1040	0.48	0.04	30.0	9.59	8.74	1.0	38	4.50	12.0	0.53
R609932		2.16	3.41	1.44	1430	1250	0.56	0.05	27.6	10.55	13.45	1.5	62	5.85	17.7	0.90
R609933		2.44	3.88	1.85	1830	1880	0.69	0.07	24.5	10.05	19.15	1.7	78	7.22	21.9	1.14

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CERTIFICATE OF ANALYSIS VA16116266

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R609894		4.91	0.15	0.8	0.546	0.030	0.60	16.2	3.9	0.56	135	7.92	0.03	3.2	78.7	1500
R609895		7.01	0.14	1.1	0.784	0.030	0.87	27.1	5.1	0.55	101	12.70	0.02	4.9	102.5	1800
R609896		6.52	0.13	1.0	0.727	0.032	0.83	24.2	4.7	0.47	108	10.40	0.02	4.4	85.3	1320
R609897		4.83	0.12	0.8	0.493	0.021	0.58	19.9	3.7	1.59	121	8.74	0.01	3.1	54.9	1060
R609898		7.53	0.16	1.2	0.709	0.033	0.96	28.6	4.7	0.76	104	7.91	0.02	5.1	78.6	1560
R609899		8.26	0.16	1.3	0.746	0.034	1.07	31.3	5.1	0.61	104	8.77	0.02	5.3	84.9	1780
R609900		9.21	0.16	1.3	0.823	0.058	1.20	32.8	5.3	0.45	121	19.65	0.02	5.6	151.5	2310
R609901		8.51	0.15	1.2	1.140	0.078	1.02	26.1	6.5	0.34	149	37.4	0.01	5.0	223	2690
R609902		7.60	0.14	1.2	1.320	0.042	0.96	24.1	7.7	0.31	119	43.2	0.02	4.7	195.0	2550
R609903		7.27	0.18	1.2	1.615	0.035	0.88	26.3	6.7	0.27	102	49.1	0.02	4.5	188.0	3360
R609904		7.47	0.16	1.3	1.410	0.032	0.90	26.3	6.3	0.28	97	41.8	0.02	4.6	183.5	3680
R609905		11.65	0.13	1.8	3.32	0.039	1.39	26.8	10.1	0.24	35	10.65	0.03	7.3	31.0	710
R609906		15.40	0.16	2.3	7.32	0.055	1.84	36.4	10.1	0.25	18	6.23	0.03	9.4	8.5	740
R609907		15.55	0.18	2.4	11.65	0.039	1.84	36.6	11.0	0.24	15	3.83	0.03	9.8	7.8	990
R609908		14.65	0.19	2.1	14.90	0.029	1.71	34.0	9.4	0.22	14	5.50	0.03	9.2	6.0	650
R609909		14.40	0.20	2.1	8.05	0.037	1.72	33.0	10.4	0.23	17	7.19	0.03	8.6	23.1	1010
R609910		16.85	0.21	2.3	8.43	0.039	2.04	38.5	10.4	0.26	15	8.81	0.03	9.7	16.1	960
R609911		15.75	0.22	2.4	5.13	0.036	1.92	38.8	10.9	0.25	14	5.22	0.03	9.3	20.6	1320
R609912		16.45	0.21	2.5	6.33	0.038	1.82	40.7	11.8	0.25	14	6.69	0.03	9.2	16.8	1630
R609913		11.10	0.19	1.7	4.63	0.043	1.35	26.4	12.1	0.24	34	11.25	0.02	5.1	58.6	1250
R609914		9.09	0.16	1.5	6.97	0.039	1.06	30.3	13.8	1.13	207	14.90	0.01	4.5	146.0	1220
R609915		1.28	0.10	0.2	1.045	0.018	0.15	5.5	2.3	0.86	373	3.90	<0.01	0.6	15.6	310
R609916		5.50	0.17	0.8	6.31	0.026	0.61	20.0	8.9	0.35	297	9.64	0.01	2.8	65.6	730
R609917		14.25	0.28	2.2	8.33	0.039	1.77	41.4	18.3	0.60	63	14.70	0.02	9.5	111.0	1420
R609918		2.75	0.12	0.5	3.31	0.009	0.35	8.0	3.6	9.77	156	9.05	0.01	2.3	23.5	300
R609919		10.30	0.16	1.7	10.30	0.030	1.58	25.1	9.8	5.04	106	8.55	0.01	10.0	45.7	680
R609920		8.22	0.16	1.3	31.6	0.030	1.03	23.5	10.0	3.94	155	13.25	0.01	5.2	70.9	900
R609921		0.83	0.11	0.1	7.14	<0.005	0.12	2.8	1.2	0.81	51	2.51	<0.01	0.5	7.1	110
R609922		0.62	0.08	0.1	4.29	<0.005	0.07	3.5	1.0	0.53	65	1.97	<0.01	0.4	10.2	260
R609923		0.64	0.08	0.1	3.96	<0.005	0.08	2.3	1.1	0.64	78	1.63	<0.01	0.4	5.4	110
R609924		0.90	0.09	0.1	2.76	<0.005	0.12	2.3	1.3	0.45	109	2.70	<0.01	0.6	5.2	60
R609925		1.43	0.11	0.2	7.44	<0.005	0.14	3.4	1.5	0.40	213	4.13	<0.01	0.7	11.1	130
R609926		1.41	0.09	0.2	3.31	0.005	0.18	4.1	2.0	0.44	293	3.03	<0.01	0.9	18.8	130
R609927		3.23	0.11	0.5	1.765	0.013	0.35	9.5	4.0	0.29	152	4.24	0.01	1.6	38.5	450
R609928		4.17	0.11	0.8	1.905	0.015	0.51	13.2	5.0	0.29	156	3.49	0.01	2.3	25.4	440
R609929		2.31	0.11	0.4	3.84	0.013	0.21	7.7	5.1	0.35	324	1.82	<0.01	1.3	18.6	310
R609930		3.83	0.10	0.6	20.2	0.015	0.48	10.9	5.0	1.83	236	5.76	0.01	2.3	37.1	470
R609931		2.24	0.12	0.4	5.27	0.012	0.22	7.3	4.6	0.44	378	1.81	<0.01	1.2	18.4	340
R609932		3.74	0.12	0.6	7.06	0.014	0.38	10.9	6.6	0.38	414	3.71	<0.01	2.0	29.0	540
R609933		4.76	0.11	0.8	8.23	0.016	0.49	13.9	8.2	0.39	344	3.75	<0.01	2.6	36.3	680

***** See Appendix Page for comments regarding this certificate *****

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
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Finalized Date: 31- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16116266

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R609894		16.5	26.1	0.017	0.27	2.48	6.8	8	0.5	797	0.21	<0.05	2.26	0.097	1.39	7.1
R609895		10.7	44.1	0.021	0.43	2.70	7.1	10	0.8	741	0.30	0.06	3.34	0.148	1.68	6.8
R609896		33.8	40.9	0.022	0.83	2.87	7.5	10	0.8	661	0.28	0.07	3.10	0.137	1.92	7.1
R609897		8.7	27.8	0.019	0.54	2.46	6.0	6	0.6	769	0.19	<0.05	2.36	0.096	1.41	5.5
R609898		12.0	49.0	0.015	0.84	2.19	8.1	8	0.9	663	0.31	0.05	3.63	0.160	1.97	6.8
R609899		20.1	54.4	0.017	1.00	2.62	9.1	9	1.0	650	0.34	0.09	3.95	0.175	2.12	7.3
R609900		60.6	58.8	0.015	1.06	7.12	11.6	11	1.1	627	0.36	0.09	4.25	0.186	2.71	8.0
R609901		142.5	48.9	0.037	0.46	15.60	13.4	11	1.0	692	0.32	0.07	3.73	0.156	2.59	9.6
R609902		102.0	48.0	0.073	0.40	19.55	9.7	17	0.8	556	0.31	0.09	3.37	0.157	2.97	10.2
R609903		31.3	48.8	0.103	0.31	23.7	8.3	29	0.8	484	0.29	0.11	3.27	0.145	3.59	14.3
R609904		20.1	49.7	0.091	0.44	18.55	9.2	23	0.8	513	0.29	0.11	3.42	0.153	3.03	14.3
R609905		70.2	69.2	0.006	0.19	11.05	10.6	4	1.2	254	0.46	0.08	4.96	0.236	2.43	4.0
R609906		188.0	86.9	0.004	0.26	12.65	12.5	5	1.7	319	0.60	0.13	6.78	0.318	3.74	4.5
R609907		187.5	88.6	0.021	0.22	14.90	11.7	5	1.8	373	0.63	0.14	6.91	0.321	2.51	4.7
R609908		257	79.4	0.012	0.16	19.00	9.9	8	1.6	214	0.56	0.14	6.21	0.306	2.09	4.5
R609909		224	88.2	0.013	0.19	25.7	12.0	8	1.4	288	0.54	0.13	6.21	0.280	2.91	6.4
R609910		437	98.9	0.026	0.20	35.1	12.2	16	1.7	273	0.62	0.13	6.67	0.314	4.08	8.7
R609911		178.5	92.5	0.024	0.30	24.7	11.5	13	1.6	297	0.60	0.15	7.05	0.313	4.39	8.4
R609912		257	86.5	0.029	0.62	29.1	12.0	8	1.6	407	0.58	0.09	6.90	0.309	8.38	8.2
R609913		239	66.7	0.036	1.98	17.00	10.7	17	1.2	343	0.34	0.07	4.70	0.168	9.93	8.2
R609914		319	48.0	0.057	0.21	10.95	11.0	13	1.1	424	0.30	<0.05	4.27	0.151	1.89	7.4
R609915		60.5	6.0	0.006	0.03	7.62	8.9	2	0.2	296	<0.05	<0.05	0.70	0.020	0.49	4.4
R609916		270	29.2	0.011	0.05	16.95	7.9	17	0.7	331	0.18	0.05	2.55	0.094	1.24	5.6
R609917		560	85.2	0.145	0.54	16.55	9.0	71	1.6	402	0.59	0.09	6.98	0.265	3.61	9.1
R609918		218	13.5	0.035	0.07	13.25	2.5	7	0.4	255	0.15	<0.05	1.36	0.053	0.59	8.7
R609919		792	61.4	0.053	1.03	105.5	7.0	15	1.4	359	0.61	0.08	5.25	0.218	2.19	6.1
R609920		2070	46.1	0.049	0.20	68.8	6.8	17	1.2	415	0.33	<0.05	3.86	0.142	2.27	7.8
R609921		589	4.2	0.018	0.03	18.15	0.7	3	0.2	493	<0.05	<0.05	0.37	0.014	0.30	2.8
R609922		387	2.6	0.012	0.11	12.25	0.9	2	0.2	371	<0.05	<0.05	0.27	0.010	0.54	5.1
R609923		395	3.0	0.008	0.07	8.22	0.9	2	<0.2	369	<0.05	<0.05	0.28	0.011	0.34	3.5
R609924		248	4.7	0.005	0.14	5.37	1.1	2	0.2	344	<0.05	<0.05	0.41	0.016	0.70	2.7
R609925		283	5.4	0.014	0.16	10.05	3.8	3	0.2	207	<0.05	<0.05	0.47	0.020	3.94	4.8
R609926		286	7.3	0.010	0.06	7.69	4.8	2	0.3	363	0.05	<0.05	0.68	0.025	0.81	3.2
R609927		148.0	14.0	0.006	0.01	19.45	12.1	1	0.5	561	0.11	<0.05	1.38	0.052	3.00	4.3
R609928		168.0	20.2	0.004	0.01	25.1	9.1	2	0.6	416	0.15	<0.05	1.98	0.068	1.90	3.9
R609929		205	10.0	0.004	0.02	13.90	6.1	1	0.4	337	0.08	<0.05	1.10	0.039	1.42	6.1
R609930		1950	19.2	0.014	0.07	45.8	6.7	6	0.7	400	0.15	<0.05	1.89	0.066	1.69	5.9
R609931		301	10.3	0.005	0.04	11.25	9.0	3	0.4	357	0.08	<0.05	1.11	0.038	1.03	5.6
R609932		504	16.7	0.006	0.05	20.6	8.7	2	0.5	345	0.13	<0.05	1.83	0.063	1.70	5.6
R609933		374	22.2	0.007	0.07	25.2	9.5	3	0.7	433	0.16	<0.05	2.35	0.081	2.13	6.7

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 31- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16116266

Sample Description	Method Analyte Units LOR	ME- MS61 V ppm 1	ME- MS61 W ppm 0.1	ME- MS61 Y ppm 0.1	ME- MS61 Zn ppm 2	ME- MS61 Zr ppm 0.5	As- OG62 As % 0.001	Au- AA26 Au ppm 0.01
R609894		166	1.1	30.4	511	34.8		<0.01
R609895		183	1.6	32.8	434	51.7		<0.01
R609896		170	1.5	35.5	419	46.6		<0.01
R609897		156	0.9	32.7	256	39.7		<0.01
R609898		179	1.7	36.3	319	54.8		<0.01
R609899		205	1.5	40.1	371	57.5		<0.01
R609900		238	2.1	43.6	754	60.3		<0.01
R609901		280	3.1	42.1	1260	55.8		<0.01
R609902		504	2.7	41.1	1080	59.8		<0.01
R609903		752	1.6	45.9	1000	60.1		<0.01
R609904		658	1.4	50.1	925	61.5		<0.01
R609905		216	4.0	22.4	174	74.5		0.02
R609906		261	6.3	22.7	46	96.1		0.01
R609907		252	8.4	16.9	32	100.5		0.01
R609908		239	7.9	13.9	31	90.4		0.01
R609909		297	6.6	15.4	271	89.0	1.490	0.01
R609910		289	7.0	16.0	168	97.7		0.02
R609911		286	6.1	17.7	31	98.9		0.02
R609912		333	7.4	21.1	31	102.0		<0.01
R609913		330	4.9	26.7	1400	79.3		0.01
R609914		217	4.8	31.0	2140	57.2		0.02
R609915		56	1.2	29.0	311	10.3		<0.01
R609916		140	3.0	30.6	1210	37.6		0.02
R609917		312	7.0	24.8	2090	97.4		0.02
R609918		74	2.0	11.5	715	18.4		0.01
R609919		252	7.1	15.9	1820	74.5		0.02
R609920		209	5.0	18.4	5930	57.7		0.02
R609921		23	0.8	4.0	1280	4.9		<0.01
R609922		29	0.6	7.5	870	3.8		<0.01
R609923		21	0.6	4.8	881	3.8		<0.01
R609924		17	0.9	4.2	542	5.1		<0.01
R609925		39	1.0	11.0	695	7.3		0.01
R609926		40	1.1	10.7	755	9.1		0.01
R609927		88	2.6	22.2	723	23.8		0.02
R609928		95	2.5	13.4	548	29.3		0.01
R609929		64	2.0	16.5	558	16.2		0.03
R609930		105	2.9	16.4	4710	25.9		0.02
R609931		72	2.4	25.4	556	17.6		0.03
R609932		103	3.9	26.0	828	25.7		0.06
R609933		124	5.2	25.7	774	35.2		0.06

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VANCOUVER BC V6B 1L8

Finalized Date: 31- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16116266

Sample Description	Method	WEI- 21	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Recvd Wt.	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Fe
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.2	10	0.05	0.01	0.01	0.02	0.01	0.1	1	0.05	0.2	0.01
R609934		2.14	3.64	1.57	2040	1030	0.61	0.07	26.2	8.15	14.90	1.4	67	4.91	18.6	0.98
R609935		2.38	4.27	1.94	5130	1110	0.69	0.08	23.3	11.80	19.65	1.8	83	5.69	24.7	1.31
R609936		1.88	4.58	2.23	5440	1210	0.73	0.09	24.2	11.45	23.9	2.3	95	6.34	29.6	1.45
R609937		2.30	2.38	1.08	3020	680	0.44	0.04	30.1	6.48	10.40	1.5	47	2.80	14.9	0.77
R609938		1.98	1.28	0.66	2010	470	0.34	0.05	32.3	3.88	6.73	1.2	28	1.66	9.3	0.49
R609939		2.06	0.85	0.45	1430	330	0.28	0.02	33.9	2.30	4.87	1.0	21	1.02	6.5	0.36
R609940		1.66	0.66	0.36	1170	330	0.20	0.02	34.0	1.93	4.01	0.8	19	0.81	5.3	0.29
R609941		2.56	0.67	0.26	805	310	0.24	0.02	35.8	2.17	3.42	0.8	13	0.63	4.1	0.23
R609942		2.60	0.69	0.30	1020	300	0.26	0.02	34.4	2.28	3.72	0.8	15	0.69	4.9	0.28

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Finalized Date: 31- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16116266

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	Hg- MS42	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb	Ni	P
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm
	LOR	0.05	0.05	0.1	0.005	0.005	0.01	0.5	0.2	0.01	5	0.05	0.01	0.1	0.2	10
R609934		3.95	0.11	0.7	6.79	0.014	0.42	12.2	6.4	0.30	357	3.99	0.01	2.2	30.4	560
R609935		4.75	0.12	0.8	8.80	0.018	0.54	14.3	7.4	0.45	303	5.57	0.01	2.7	33.6	640
R609936		5.68	0.07	1.0	7.63	0.023	0.63	18.1	8.5	0.40	318	6.19	0.01	3.1	41.0	700
R609937		2.79	0.09	0.5	6.74	0.012	0.32	8.5	4.1	0.33	332	3.70	0.01	1.6	21.5	350
R609938		1.73	0.09	0.3	3.48	0.008	0.20	6.0	2.5	0.33	286	2.53	<0.01	1.0	14.1	230
R609939		1.23	0.08	0.2	2.21	0.005	0.14	4.5	1.8	0.24	360	2.01	<0.01	0.7	10.9	180
R609940		1.00	0.06	0.2	1.775	0.005	0.11	4.0	1.5	0.18	262	1.78	<0.01	0.6	7.9	150
R609941		0.75	0.10	0.1	2.03	0.006	0.08	3.7	1.2	0.22	194	1.83	<0.01	0.4	7.4	190
R609942		0.88	0.08	0.1	1.970	0.005	0.10	3.8	1.3	0.20	232	2.39	<0.01	0.5	8.4	160

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 31- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16116266

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61
	Analyte	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U
	Units	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm
	LOR	0.5	0.1	0.002	0.01	0.05	0.1	1	0.2	0.2	0.05	0.05	0.01	0.005	0.02	0.1
R609934		415	17.8	0.005	0.05	23.5	11.2	3	0.6	313	0.16	<0.05	2.03	0.071	1.85	6.2
R609935		609	22.2	0.005	0.06	33.6	11.0	3	0.7	334	0.17	0.06	2.41	0.087	2.42	6.5
R609936		532	27.1	0.009	0.06	36.2	12.1	3	0.8	363	0.20	0.06	2.82	0.101	2.54	6.9
R609937		256	13.1	0.009	0.03	16.80	9.3	2	0.4	329	0.10	<0.05	1.39	0.051	1.99	5.7
R609938		154.0	8.4	0.007	0.02	10.25	8.3	3	0.3	320	0.06	<0.05	0.86	0.032	1.22	4.3
R609939		91.2	5.8	0.009	0.02	6.78	14.5	1	0.2	253	0.05	<0.05	0.61	0.022	0.86	3.7
R609940		67.0	4.6	0.007	0.02	5.48	12.2	2	0.2	269	<0.05	<0.05	0.48	0.018	0.59	4.0
R609941		84.9	3.4	0.007	0.03	5.32	5.7	1	<0.2	344	<0.05	<0.05	0.35	0.013	0.56	3.9
R609942		83.8	4.0	0.005	0.03	5.60	7.7	1	0.2	301	<0.05	<0.05	0.41	0.015	0.57	3.9

***** See Appendix Page for comments regarding this certificate *****

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
www.alsglobal.com

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1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 31- JUL- 2016
Account: RCM

Project: Nadaleen

CERTIFICATE OF ANALYSIS VA16116266

Sample Description	Method	ME- MS61	ME- MS61	ME- MS61	ME- MS61	ME- MS61	As- OG62	Au- AA26
	Analyte	V	W	Y	Zn	Zr	As	Au
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm
	LOR	1	0.1	0.1	2	0.5	0.001	0.01
R609934		112	4.4	26.9	715	28.2		0.05
R609935		132	5.0	25.9	1060	33.5		0.04
R609936		141	5.4	29.0	1000	43.3		0.05
R609937		81	2.5	22.8	525	19.7		0.03
R609938		57	1.4	18.4	350	12.8		0.02
R609939		61	1.0	25.2	227	9.6		0.01
R609940		53	0.8	18.9	176	7.6		0.01
R609941		36	0.7	13.1	185	5.5		<0.01
R609942		41	0.7	15.4	203	6.6		0.01

***** See Appendix Page for comments regarding this certificate *****

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VANCOUVER BC V6B 1L8

Project: Nadaleen

Finalized Date: 31- JUL- 2016
Account: RCM

CERTIFICATE OF ANALYSIS VA16116266

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: REE's may not be totally soluble in this method.
ME- MS61

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

As- OG62	Au- AA26	CRU- 31	Hg- MS42
LOG- 21	ME- MS61	ME- OG62	PUL- 31
SPL- 21	WEI- 21		

ATAC RESOURCES LTD.

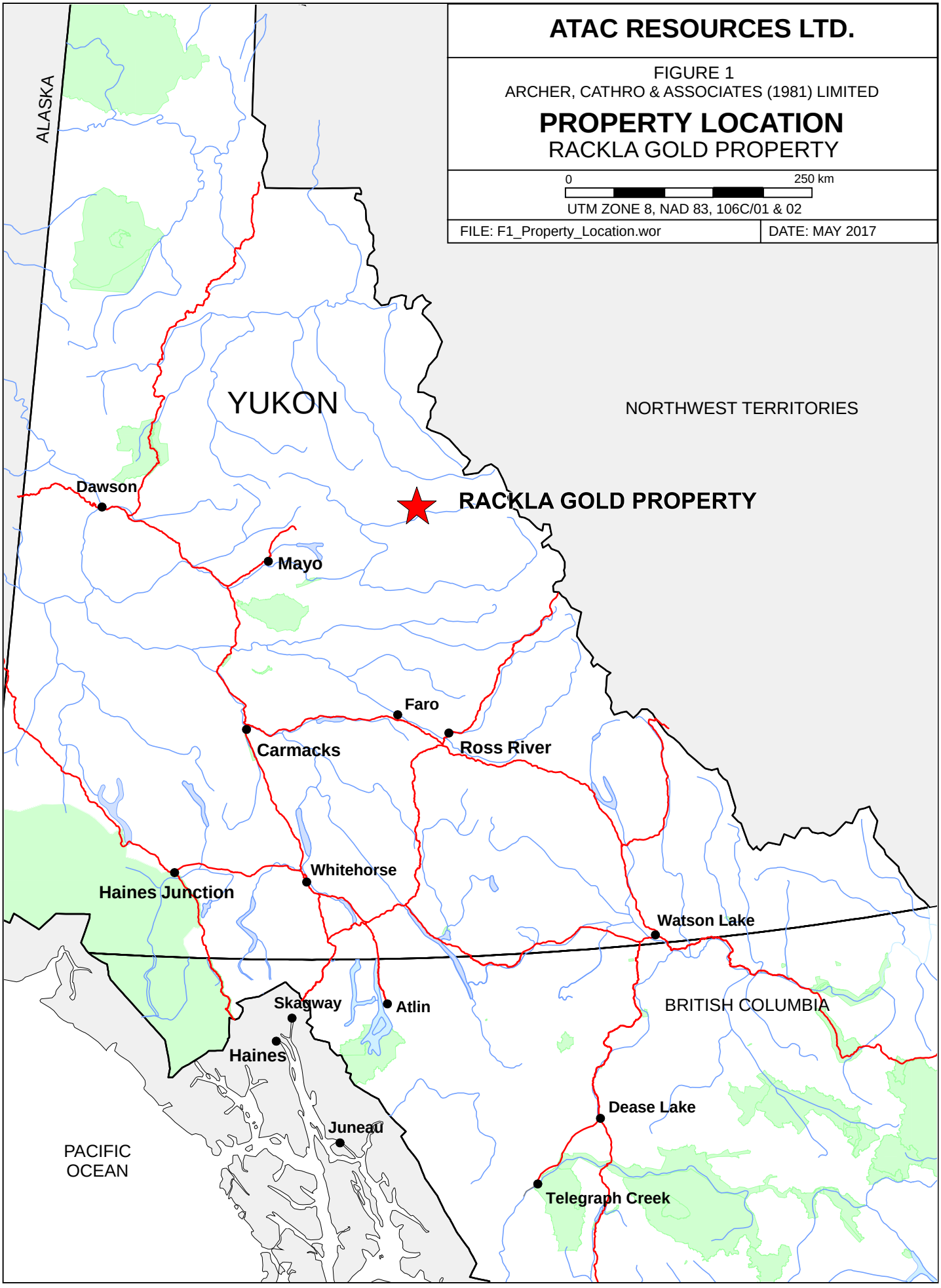
FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY LOCATION
RACKLA GOLD PROPERTY

0 250 km

UTM ZONE 8, NAD 83, 106C/01 & 02

FILE: F1_Property_Location.wor | DATE: MAY 2017



T.N.
2.02°
21.6°
Grid north
Magnetic north
Annual change decreasing 25.6'
Mapsheet 106C/02

*Letter corresponds to assessment grouping

106D06
106D07
106D08
106C05
106C06
106C07
106C08
106D03
106D02
106D01
106C04
106C03
106C02
106C01
PROPERTY BOUNDARY
A
B
C
D
E
F
M
UTM Zone 8
UTM Zone 9

7,120,000 mN
7,115,000 mN
7,110,000 mN
595,000 mE
600,000 mE
605,000 mE
610,000 mE
615,000 mE

PROPERTY BOUNDARY

1,100
1,200
1,300
1,400
1,500
1,600
1,700
1,800
1,900

ATAC RESOURCES LTD.

FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATIONS - GROUP D

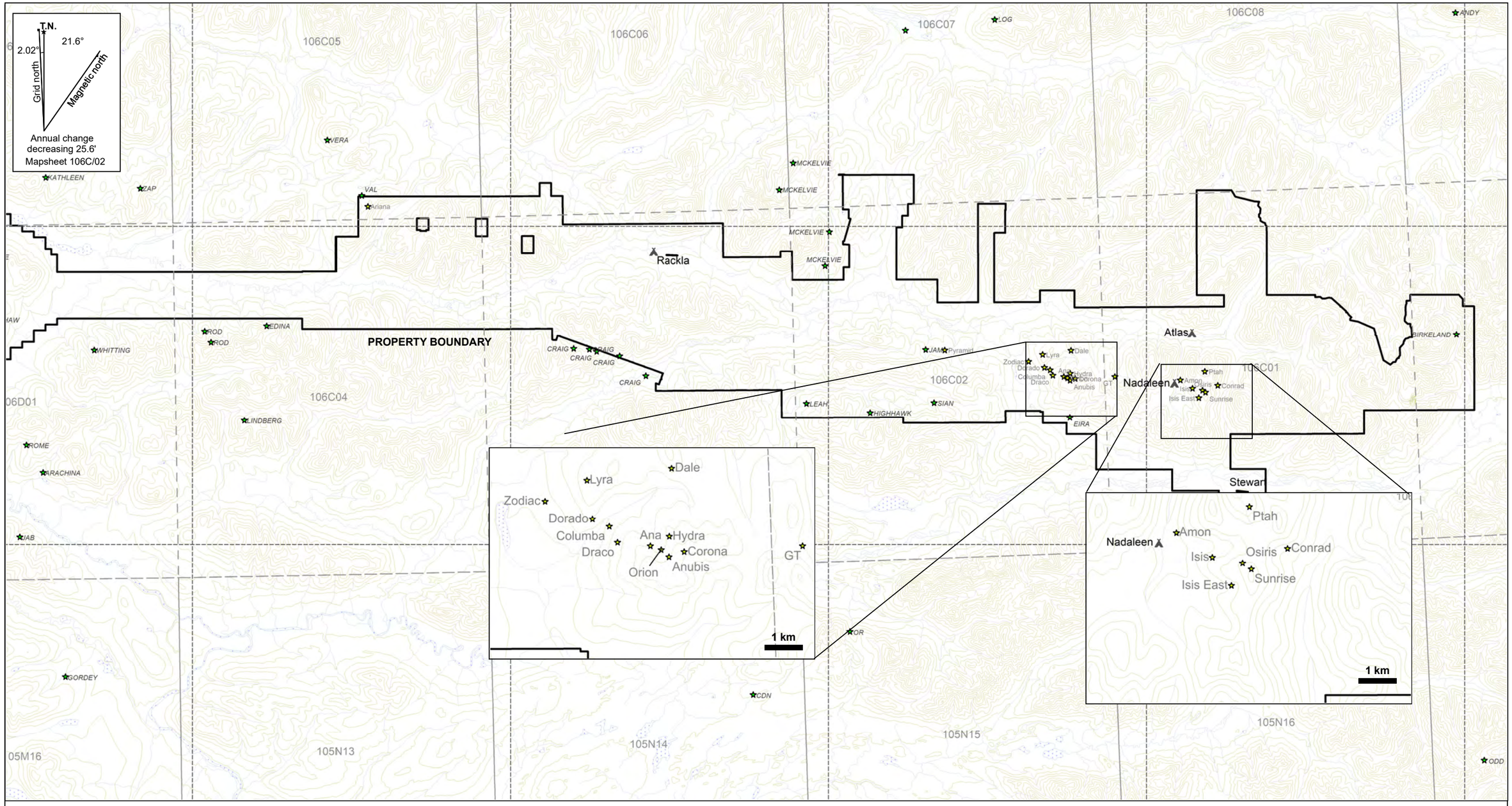
RACKLA GOLD PROJECT

0 1 2 3 4 km

UTM ZONE 8, NAD 83, 106C02, Contour line intervals 100 feet, Scale 1:50,000

FILE:P:...\F_4_CLAIMS_D

DATE: MAY 2017



Mineralized Discovery

Historical Showing

Camp

Airstrip

ATAC RESOURCES LTD.

FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SHOWING, CAMP & AIRSTRIP LOCATIONS

RACKLA GOLD PROJECT

0 20 km

UTM Zone 8, NAD 83, Contour interval 100 m, Scale: 1: 300 000

FILE:.../F_3-Showing,Camp &Airstrip_Locations.wor

DATE: MAY 2017

ATAC RESOURCES LTD.

FIGURE 4

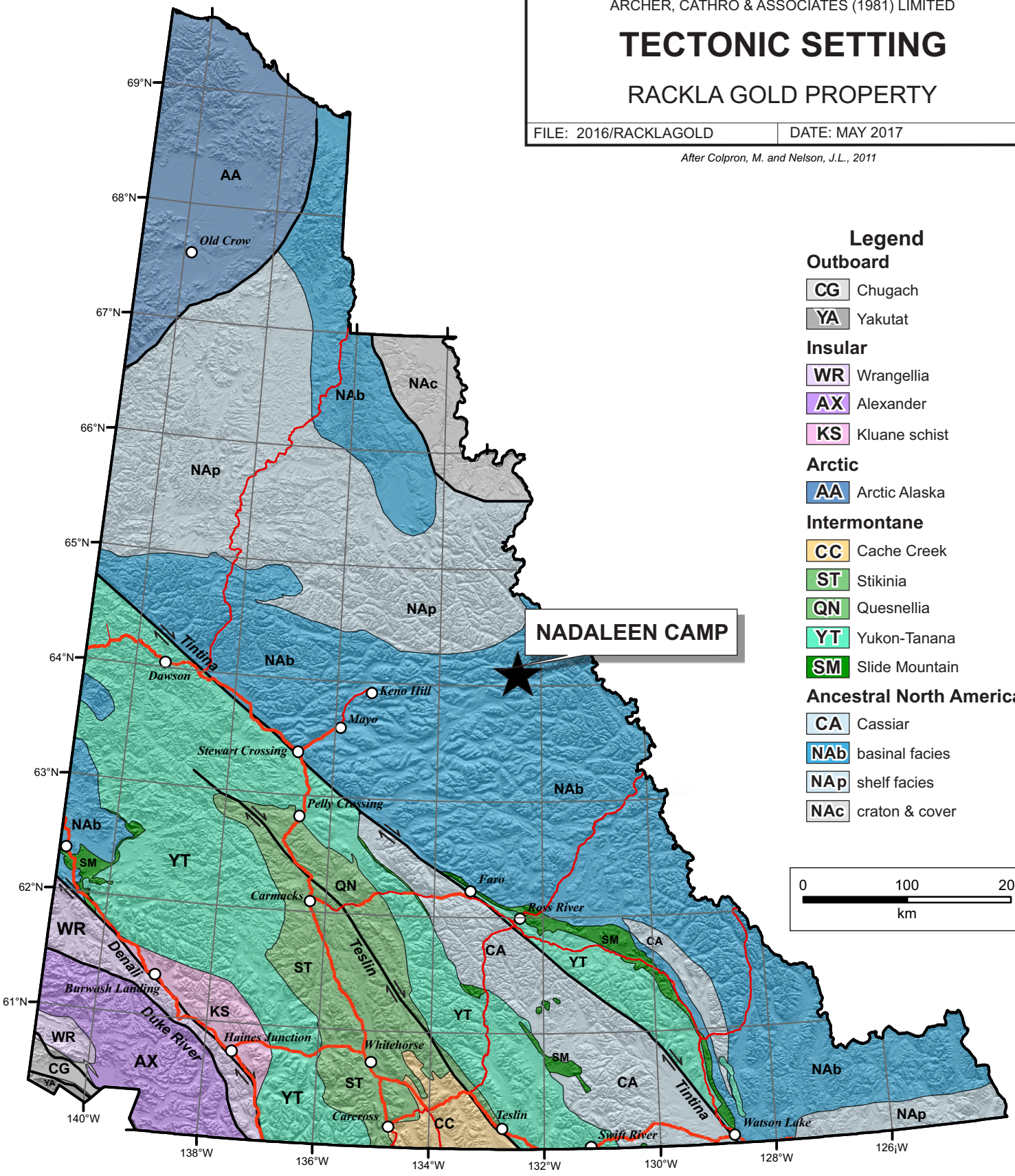
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC SETTING

RACKLA GOLD PROPERTY

FILE: 2016/RACKLAGOLD | DATE: MAY 2017

After Colpron, M. and Nelson, J.L., 2011



Legend

Outboard

- CG Chugach
- YA Yakutat

Insular

- WR Wrangellia
- AX Alexander
- KS Kluane schist

Arctic

- AA Arctic Alaska

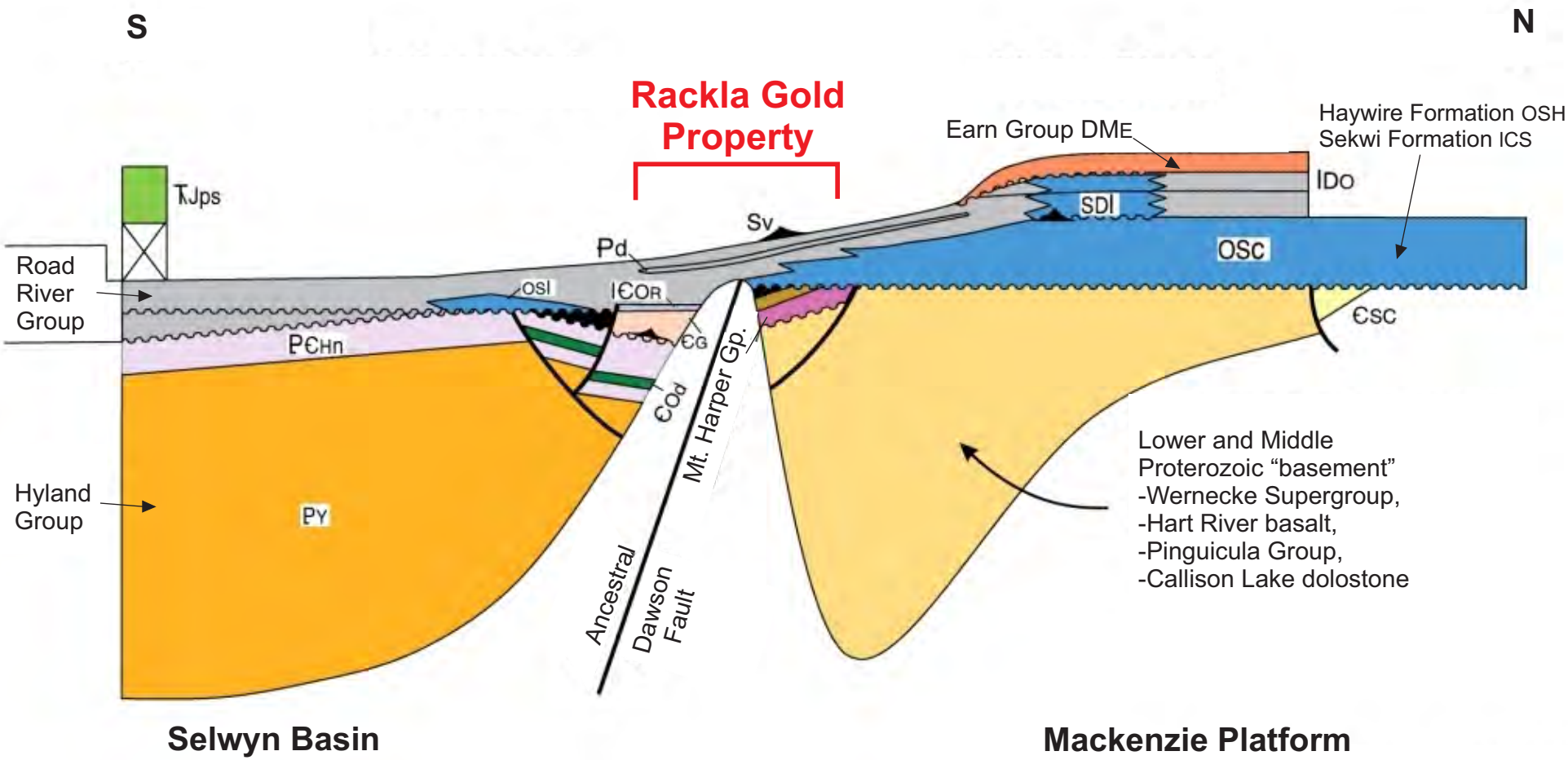
Intermontane

- CC Cache Creek
- ST Stikinia
- QN Quesnellia
- YT Yukon-Tanana
- SM Slide Mountain

Ancestral North America

- CA Cassiar
- NAb basinal facies
- NAp shelf facies
- NAc craton & cover

after Abbott (1997)



ATAC RESOURCES LTD.

FIGURE 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL STRATIGRAPHIC SECTION

RACKLA GOLD PROPERTY

FILE:...2016/RACKLAGOLD	DATE: MAY 2017

T.N.
2.47°
23.0°
Grid north
Magnetic north
Annual change decreasing 27.1'
Mapsheet 106C/01

600,000 mE
605,000 mE
610,000 mE
615,000 mE
620,000 mE
625,000 mE
630,000 mE
635,000 mE
640,000 mE
645,000 mE
650,000 mE
595,000 mE
7,130,000 mN
7,125,000 mN
7,120,000 mN
7,115,000 mN
7,110,000 mN
7,105,000 mN
7,100,000 mN
7,095,000 mN

Hart River Formation
CH — thinly laminated, cherty spiculite and spicule lime packstone with subordinate sandstone, siltstone and calcareous shale; local lime grainstone; local members of lenticular to shoe-string sandstone grading into chert rich conglomerate

Grizzly Bear Formation
DB — limestone, white grey weathering, cliff forming, blocky partings, massive, fine to medium crystalline; scattered corals, brachiopods, bryozoans and twin canal echinoderm ossicles

Bouvette Formation
CBM — resistant, generally well-bedded to massive, grey weathering variably dolomitized carbonate; locally fossiliferous; locally contains black diagenetic chert

Mount Kindle Formation
OSK — thick bedded, dark grey to black and minor light grey weathering dolomite; locally massive, vuggy and reefoid; minor chert

Mount Cristie Formation
CPMC — greenish-grey, pink and dark grey shale; light grey-green to black chert; minor sandstone, limestone

Keno Hill Formation
CT — light to dark grey, thick bedded to massive, vitreous quartzite; black shale

Earn Group
DME — brown-weathering, dark grey to black, chert, minor sandstone, siltstone; minor limestone; chert-pebble conglomerate and sandstone; locally bedded barite

Road River Group
ODR — black shale, locally graphitic; black limestone

Marmot Formation
CSM — dark green to black volcaniclastic sandstone and cobble to boulder conglomerate; dark brownish-grey weathering basalt, locally pillowed ;black hyaloclastic breccia

Gull Lake Formation
IGS — brown weathering, green volcanic sandstone, siltstone; locally gritty; conglomerate with mud chi[s; local orange weathering dolostone bands

Seqwi Formation
ICS — limestone, locally wavy bedded and nodular; limestone conglomerate slope breccia; massive grey dolostone; medium- to thick-bedded quartz sandstone; purple siltstone; bright orange weathering, fine crystalline dolostone

Hyland Group
PCH — thin to thick bedded, brown to pale green shale,with sandstone, grit and connglomerate (Yusezyu); grey weathering, bedded, crystalline limestone, locally sandy (Algae Lake); distinctive, interbedded maroon and apple-green slate (Narchilla)

Blueflower Formation
uPB — shale, siltstone and sandstone, rhythmically bedded mudstone; pale yellow weathering cross bedded limestone interbedded with green shale.

Gametrail Formation
uPG — grey, yellow and orange weathering dolostone, dolomitic siltstone /sandstone and limestone, commonly planar and/or cross laminated; calcareous shale and siltstone; maroon shale; carbonate clast breccia and conglomerate

Nadaleen Formation
uPN — grey to greenish-brown rhythmically bedded fine-grained samdstone, siltstone, mudstone ; mariib sultstone-mudstone;limestone; limestone conglomerate;calcareous grit and sandstone

Sheepbed Formation
uPS — recessive, black weathering shale and siltstone; minor quartzite and limestone

Hay Creek Group
uPHC — orange and brown weathering, commonly silty and sandy dolomite, in part well-laminated and flaggy; limestone, cross-bedded pebbly quartzite and conglomerate; local minor brown weathering diamictite at base; distinct white dolostone member at top

Rapitan Group
uPR — maroon mudstone with interbeds of sandy mud-matrix-conglomerate and pebbles of limestone, mudstone, sandstone and chert; thick bedded to massive, sandstone and pebble to boulder conglomerate with clasts of carbonate, siltstone and quartz arenite

Mt. Harper Group
uPHC — grey dolostone, dolostone conglomerate and dolomitic mudstone redbeds; and, volcanic and carbonate clast conglomerate, rare basalt, volcanic tuff, and pyroclastic bombs, intercalated dolomitic mudstone and dolostone conglomerate

★ Mineralized Showing

Contact:
Defined / Interpreted / Inferred

Thrust Fault:
Interpreted / Inferred

Normal Fault:
Interpreted / Inferred

ATAC RESOURCES LIMITED

FIGURE 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL GEOLOGY

RACKLA GOLD PROJECT

0 1 2 3 4 5 km

MAPSHEET 106C01 UTM ZONE 8, NAD 83 Scale 1:100 000

FILE: F_6_Regional_Geology.wor

DATE: MAY 2017

Scale (m)	Regional Unit	Property Unit	Local Unit	Rock Type	Au	Unit Characteristics
0	Mc	Mc	Mc	***Fossiliferous Limestone***		Thin to medium bedded clastic limestone interbedded with silty mudstone - deposited as turbidites.
	DME	DMEs	DMEs	***Shale***		Silvery-grey weathering siliceous shale and silty mudstone with thin layers of bedded barite.
		DMEm	DMEm	**Mudstone**		Pyritic silty shale, gritty mudstone, silty mudstone, black dolomitic siltstone and grit.
	mDC	mDMc	mDMc	**Calcareous mudstone**	Anubis	Black silty mudstone with thin crystalline grey limestone interbeds near top; sections of "thick fossil trash" limestone deposited as turbidites; black cherty mudstone and black shale at base has a polymetallic "NiMo" geochemical signature.
500		mDC	mDC	***Fossiliferous Limestone***		Thickly bedded to massive, shallow water light grey crinoidal limestone, contains "two-hole" and "star" crinoids.
	Osc	OSc	OSc	**Limestone**		Thinly bedded silty limestone and medium to thick bedded coarse clastic limestone containing abundant silicified algal mat debris.
1000		OScs	OScs	**Sandy Limestone**		Black recessive mudstone with minor black chert layers and thin "fossil-trash" limestone turbidite layers.
	ODRR	ODRR	ODRR	***Shale***		Black shale with local black limestone interlayers.
	PCH	PCHnq	PCHnq	**Quartzite**		Buff weathering locally calcareous quartzite.
1500		PCHn	PCHn	**Shale**		Dominately maroon and green shale and siltstone with local grey to brown shale, green and white sandstone and yellowish-buff weathering dolomitic limestone.
		PHa	IA-DST	**Dolostone**	Amon	Buff-weathering, massive to finely laminated silty dolostone. Coarse grained sugary texture occurs in part, suggesting hydrothermal alteration.
	uPB	uPBl	O-SLT2	***Siltstone***		Brown to grey weathering, grey calcareous siltstone and shale.
2000			O-LST2	***GrittyLimestone***		Tan to brown weathering, grey quartz grit limestone to calcareous sandstone interbedded with siltstone.
2500	uPG	uPG	O-DMT	***Debrite***	Sunrise-Osiris-Ibis	Distinctive unsorted polymict conglomerate debrite dominated by carbonate clasts from pebble to >1 metre boulders in a fine grained non to weakly calcareous green siltstone and shale and/or variably crystalline limestone matrix.
			O-DST1	***Dolostone***		Grey to tan weathering, massive to brecciated dolostone. Lower contact is gradational to interfingered.
			O-LST1	***Limestone***		Thinly laminated lime mudstone with quartz rich silty layers and distinctive rudstone and packstone layers.
	CSM	CSM	Pg	***Gabbro***		Greyish-green gabbro with a slight rusty coating on weathered surfaces.
	uPG	uPG	O-LST1	***Limestone***		Thinly laminated lime mudstone with quartz rich silty layers and distinctive rudstone and packstone layers.
	uPN	uPNs	O-MST1	***Mudstone***		Maroon and green to greenish-grey coloured silty mudstone.
		uPNl	C-LST2	***Limestone***		Very dark grey/black, coarsely crystalline limestone thickly bedded with rare debrite clasts. 'Beef' textured calcite layers are common.
			C-DMT	***Debrite***		Limestone debrite with clasts that vary from centimetre to metre size and are compositionally similar to the overlying crystalline limestone.
			C-LST2	***Limestone***		Very dark grey/black, coarsely crystalline limestone thickly bedded with rare debrite clasts. 'Beef' textured calcite layers are common.
3000			C-SHL	***Shale***		Black laminated siltstone to shale with local intervals of sandstone associated with trace disseminated pyrite.
			C-DOL	***Dolostone***		Light grey to beige finely crystalline hydrothermal dolomite with distinct black crackle breccia veinlets throughout
			C-SLC	***Siliclastics***		Laminated siltstone to sandstone with disseminated pyrite throughout, variably containing matrix supported quartz-grit to pebble conglomerate intervals throughout.
			C-INT	***Gabbro***		Gabbroic dyke
			C-SLC	***Siliclastics***		Laminated siltstone to sandstone with disseminated pyrite throughout, variably containing matrix supported quartz-grit to pebble conglomerate intervals throughout.
		uPNcl	C-LST1	***Limestone***	Conrad	Light grey weathering, massive to silty laminated limestone, lime mudstone, packstone, wackestone with "cone-in-cone" and "beef" cacite layers.
			C-INT	***Gabbro***		Gabbroic dyke
			C-LST1	***Limestone***		Light grey weathering, massive to silty laminated limestone, lime mudstone, packstone, wackestone with "cone-in-cone" and "beef" cacite layers.
3500			NFZ	***FaultZone***	Pharaoh	Cataclastic shear zone up to 50 m wide in section, defined on surface as a pronounced bench; dips steeply to the north.
	uPHC	uPIB	NONAD	***Mudstone***		Distinctive rusty weathring, light teal-green to maroon and brown mudstone with minor interbedded quartz pebble congolomerate.
4000						

ATAC RESOURCES LTD.

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

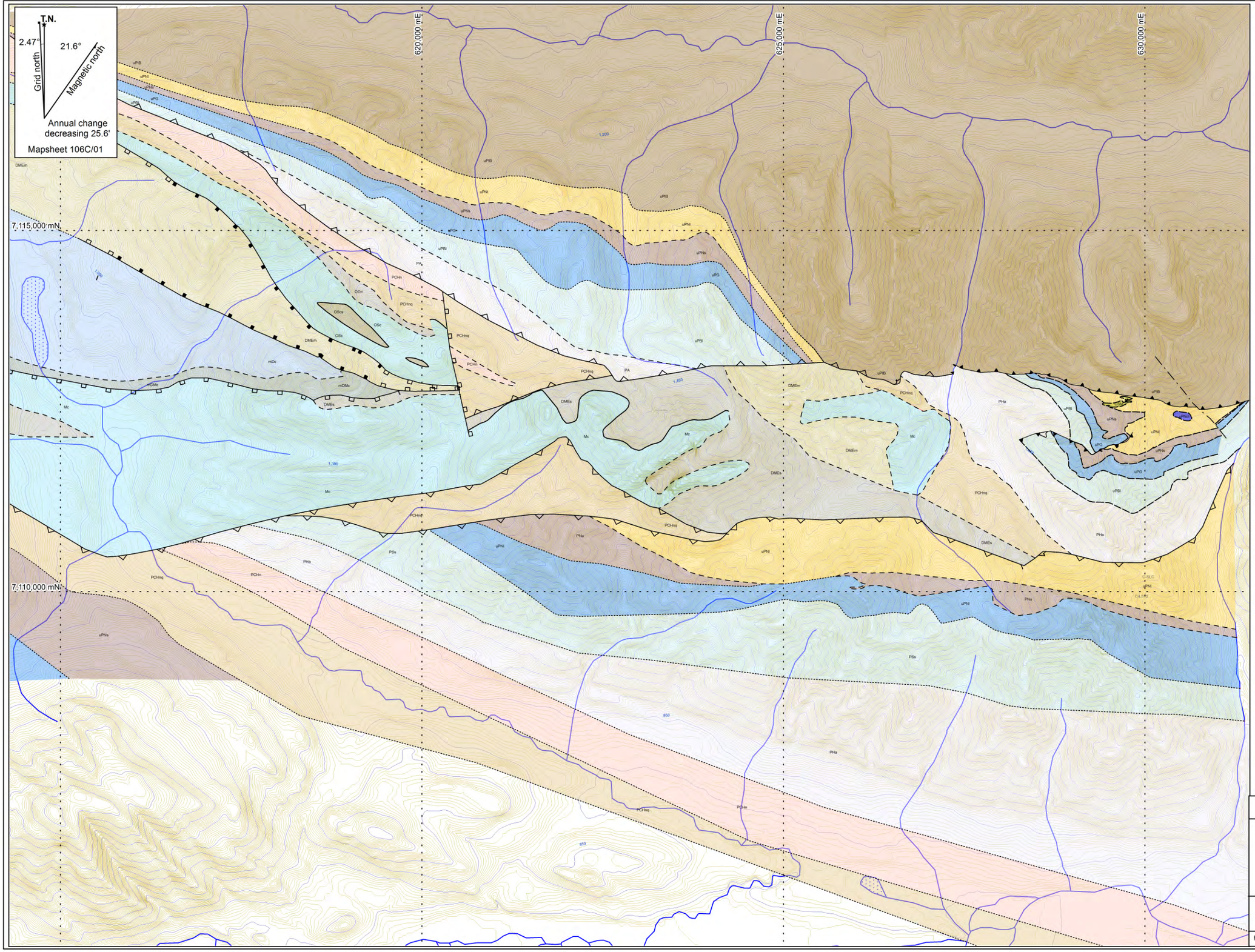
FIGURE 7

Nadaleen Trend Stratigraphy

Rackla Gold Property

FILE: 2016/Rackla Gold

DATE: MAY 2017



PALEOZOIC

CSM — dark green to black, fine to medium-grained gabbro, pyroxinite

MISSISSIPPIAN

Mc — light to medium grey, well-bedded limestone. locally very fossiliferous; contains large crinoids

MIDDLE DEVONIAN (EIFELIAN)

mDC — light grey crinoidal limestone, contains "two-hole" and "star" crinoids

MIDDLE DEVONIAN-MISSISSIPPIAN

mDMc — Black silty mudstone with thin crystalline grey limestone interbeds near top; sections of thick fossil trash limestone deposited as turbidites; black cherty mudstone and black shale at base has a polymetallic "NiMo" geochemical signature.

DEVONIAN-MISSISSIPPIAN

DMEm — pyritic silty shale, gritty mudstone, silty mudstone, black dolomitic siltstone and grit

DMEs — silvery-grey weathering siliceous shale and silty mudstone, thin bedded barite beds

ORDOVICIAN TO SILURIAN?

OScs — buff weathering, medium-grained calcareous sandstone and sandy limestone/dolostone; locally gritty and very fossiliferous

OSc — thin to medium-bedded, grey and buff weathering, silty limestone; massive, white limestone

ORDOVICIAN TO LOWER DEVONIAN

ODrr — **ROAD RIVER GROUP:** black shale, locally graptolitic; black limestone

NEOPROTEROZOIC (EDIACARAN) TO LOWER CAMBRIAN

PCHnq — **HYLAND GROUP, NARCHILLA FORMATION?:** buff weathering, locally calcareous quartzite

PCHn — **HYLAND GROUP, NARCHILLA FORMATION:** maroon and green shale and siltstone, locally bioturbated; locally grey, brown shale; locally green and white sandstone; yellowish-buff weathering dolomitic limestone.

NEOPROTEROZOIC (EDIACARAN)

PHa — **HYLAND GROUP, ALGAE FORMATION:** light grey to yellowish-buff weathering dolomitic limestone and dolostone; variably dolomitzed and variably silty/sandy; locally fine-grained, dolomitic sandstone; commonly graded and cross-bedded; minor grey and/or maroon shale; local debris flow units: generally limestone pebble to cobble breccia and conglomerate; some polymictic breccia, locally boulder-size

NEOPROTEROZOIC (EDIACARAN)

PSs — **BLUEFLOWER FORMATION:** brown-weathering, grey shale and siltstone; minor sandstone and grit; rhythmically bedded, brown-weathering, grey limestone and shale; calcareous shale; thinly-bedded, grey limestone

NEOPROTEROZOIC (EDIACARAN)

GAMETRAIL FORMATION:

uPG — "carbonate marker" - grey, buff, tan, and orange-weathering dolostone, dolomitic sandstone and limestone, commonly planar and/or cross laminated; calcareous shale and siltstone; maroon shale, carbonate-clast diamictite and conglomerate; pink-weathering siltstone at base of unit

NEOPROTEROZOIC (EDIACARAN)

NADALEEN FORMAITON, STENBRATEN MEMBER:

uPNs — maroon and green fine grained sandstone-siltstone-mudstone

NEOPROTEROZOIC (EDIACARAN)

NADALEEN FORMATION, LOWER:

uPNl — brownish-grey siltstone, mudstone limestone; rhythmically, thin to medium bedded mudstone and limestone; local pink-grey quartz sandstone and quartzite; calcareous grit and sandstone

NEOPROTEROZOIC (EDIACARAN)

NADALEEN FORMATION, LOWER CARBONATE:

uPNcl — grey limestone

NEOPROTEROZOIC (EDIACARAN)

ICEBROOK FORMATION

uPIB — orange-weathering, greenish-brown rythmically bedded fine grained sandstone, siltstone, mudstone; polymictic diamictite conglomerate (carbonate and quartzite pebble to cobble);

Contact - Defined / Inferred / Interpreted

Thrust Fault - Defined / Inferred

Normal Fault - Defined / Inferred

ATAC RESOURCES LIMITED

FIGURE 8

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

NADALEEN TREND GEOLOGY

RACKLA GOLD PROJECT

0 0.5 1 1.5 2 2.5 km

Mapsheet 106C01 UTM ZONE 8, NAD 83 Scale 1:50,000 Contour Interval - 5m

FILE: F_8_NadaleenTrendProperyGeology.wor | DATE: MAY 2017

7,115,000 mN

T.N.

2.02°

21.6°

Grid north

Magnetic north

Annual change decreasing 25.6'

Mapsheet 106C/02

616,000 mE

617,000 mE

618,000 mE

619,000 mE

7,114,000 mN

7,113,000 mN

Lyra

Zodiac

Dorado

Columba

Draco

Aña

Orion

Hydra

Corona

Anubis

DMEm

OSc

ODrr

OScs

mDc

mDMc

DMEs

Mc

PCHnq

24 25 30 80 60 80 49 25 60 55 27 64 51 48 67 76 68 75 40 64

MISSISSIPPIAN

Mc — Thin to medium bedded clastic limestone deposited as turbidites, interbedded with silty mudstone. Limestone has a distinctive "frosted" texture due to siliceous silt to sand sized material, probably sponge spicules; crinoid, bryozoa and algal debris common.

DEVONIAN - MISSISSIPPIAN

DMEs — Silvery-grey weathering siliceous shale and silty mudstone, thin bedded barite beds.

DMEm — Pyritic silty shale, gritty mudstone, silty mudstone, black dolomitic siltstone and grit.

DMEc — Black silty mudstone with thin crystalline grey limestone interbeds near top; sections of thick fossil trash limestone deposited as turbidites; black cherty mudstone and black shale at base has a polymetallic "NiMo" geochemical signature.

MIDDLE DEVONIAN

mDc — Thick bedded to massive shallow water, in part algal, grey micritic limestone.

ORDOVICIAN - SILURIAN

OScs — Sooty black recessive mudstone, minor black cherty layers and thin fossil trash limestone turbidite layers; occasional debris flow deposits of rounded chert and algal limestone cobbles in finer grained clastic matrix.

OSc — Thin bedded silty limestone; medium to thick bedded coarse clastic limestone containing abundant silicified algal mat debris and mounds in addition to crinoid, bryozoa and brachiopod fragments.

ORDOVICIAN - DEVONIAN

ODrr — Locally graphitic black shale with black limestone interbeds.

EDIACARAN - CAMBRIAN

PCHnq — Quartzite with segments of quartz pebble conglomerate; locally calcareous.

Contact: Defined / Inferred

Strike Slip Fault

Normal Fault: Defined / Inferred

Thrust Fault: Defined / Inferred

65 Dip of Bedding

ATAC RESOURCES LIMITED

FIGURE 9

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ANUBIS CLUSTER GEOLOGY

RACKLA GOLD PROJECT

0 100 200 300 400 500 m

MAPSHEET 106C02 UTM ZONE 8, NAD 83 Scale 1:10 000

FILE: F_9_Anubis_Area_Geology.wor

DATE: MAY 2017

618,400
618,500
618,600
618,700
618,800
618,900

7,113,300
7,113,200
7,113,100
7,113,000

T.N.
21.6°
2.02°
Grid north
Magnetic north
Annual change decreasing 25.6'

Mapsheet 106C/02

ARB-16-062
ARB-16-063
ARB-15-017
ARB-15-018
ARB-15-019
ARB-15-020
ARB-16-064
ARB-15-014
ARB-15-015
ARB-15-016
Ana
ARB-15-013
ARB-15-012
ARB-15-011
ARB-15-010
ARB-15-021
ARB-16-056
ARB-16-054
ARB-16-053
ARB-16-055
ARB-16-051
ARB-16-052
ARB-16-050
ARB-16-033
ARB-16-034
ARB-16-037
ARB-16-039
ARB-16-038
ARB-16-040
ARB-16-041
ARB-16-042
ARB-16-043
ARB-15-025
ARB-15-026
ARB-16-032
ARB-15-024
ARB-15-023
ARB-15-022
Orion
ARB-16-036
ARB-15-029
ARB-16-035
ARB-15-027
ARB-15-028
ARB-16-044
ARB-16-045
ARB-16-046
ARB-16-047
ARB-16-057
ARB-16-058
ARB-15-030
ARB-15-031
ARB-16-048
ARB-16-049
ARB-16-059
ARB-16-060
ARB-16-061

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FIGURE 10

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ANUBIS RAB DRILL HOLE LOCATIONS

RACKLA GOLD PROJECT

0 75
meters
Scale 1:1,500

MAPSHEET 106C01
UTM ZONE 8, NAD 83

FILE: F_10_Anubis_drill_hole_locations.wor

DATE: MAY 2017

ARB-XX-XXX - 2015-2016 RAB Hole

Access Trail

618,400
618,500
618,600
618,700
618,800
618,900

7,113,300
7,113,200
7,113,100
7,113,000

T.N.
2.02°
21.6°
Grid north
Magnetic north
Annual change decreasing 25.6'
Mapsheet 106C/02

AN -12-005
AN -12-004
Ana

AN -16-018
AN -16-019
AN -16-017
AN -16-016
AN -16-010
AN -16-011
AN -16-012
AN -16-013
Orion
AN -16-015
AN -16-014

619 500 mE

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FIGURE 11
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ANUBIS DIAMOND DRILL HOLE LOCATIONS
RACKLA GOLD PROJECT

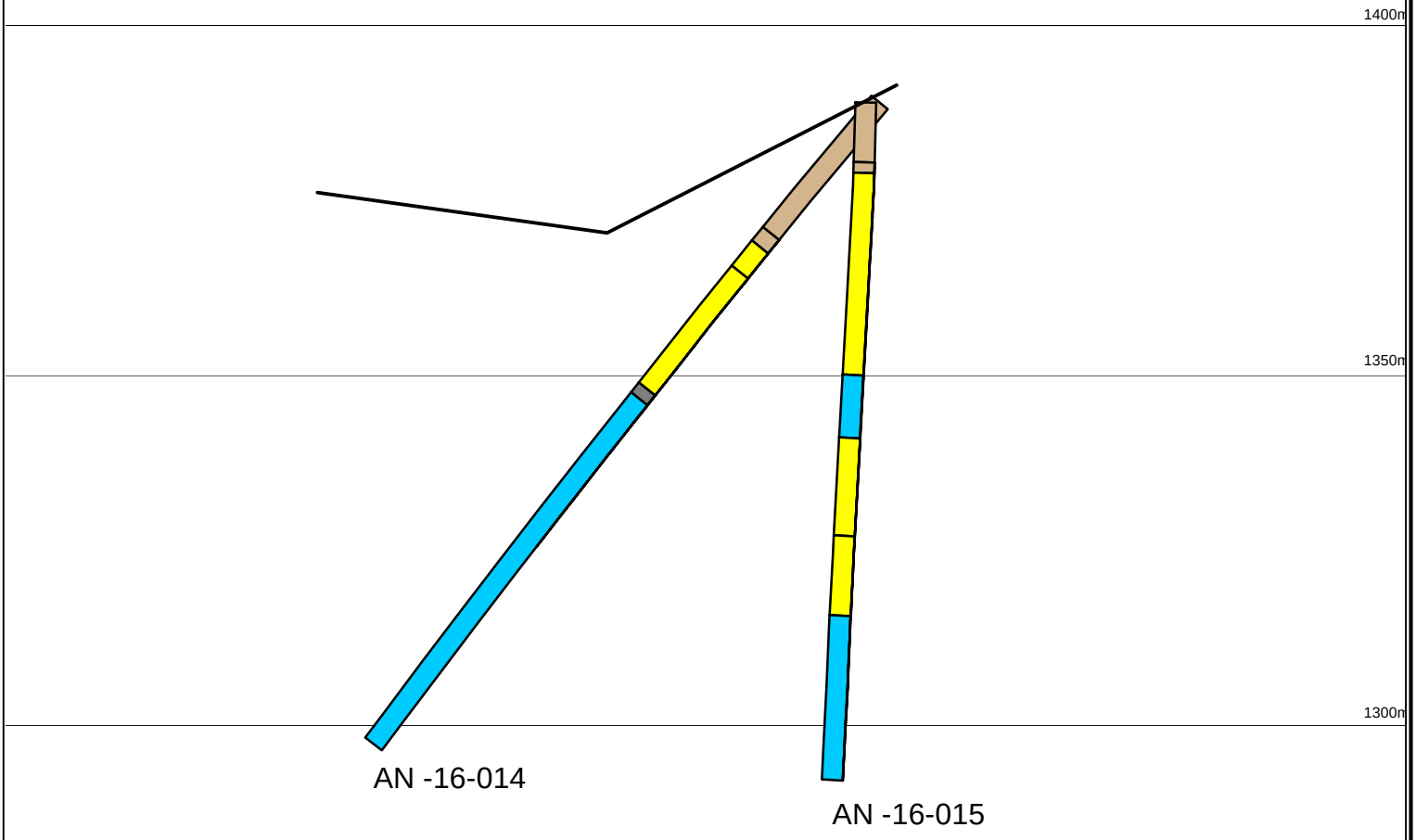
0 100
meters
Scale 1:1,500

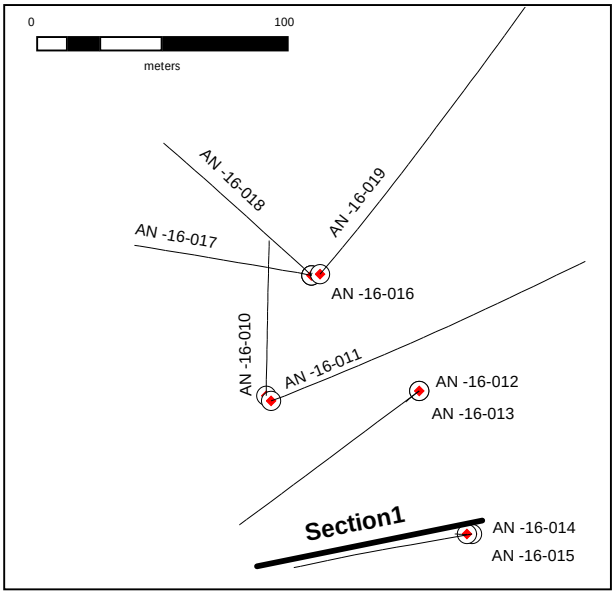
MAPSHEET 106C02
UTM ZONE 8, NAD 83

FILE: F_11_Anubis_drill_hole_locations.wor
DATE: MAY 2017

Diamond drill hole
Access Trail

Looking 349°





Lithologies
- Overburden
- Siltstone
- Fault
- Limestone

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FIGURE 12

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ANUBIS SECTION 1

RACKLA GOLD PROJECT

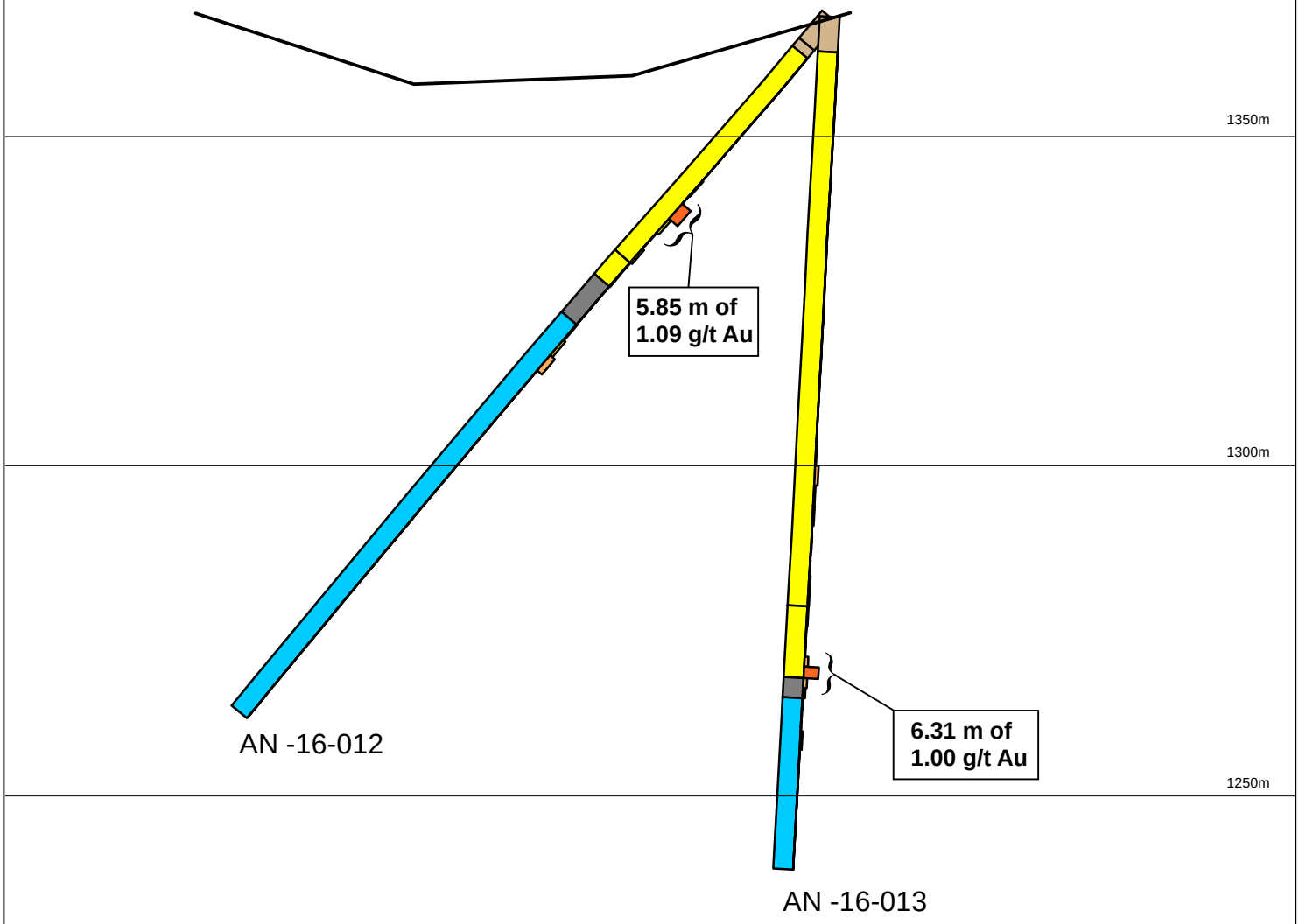
0 50
meters
Scale 1:1,000

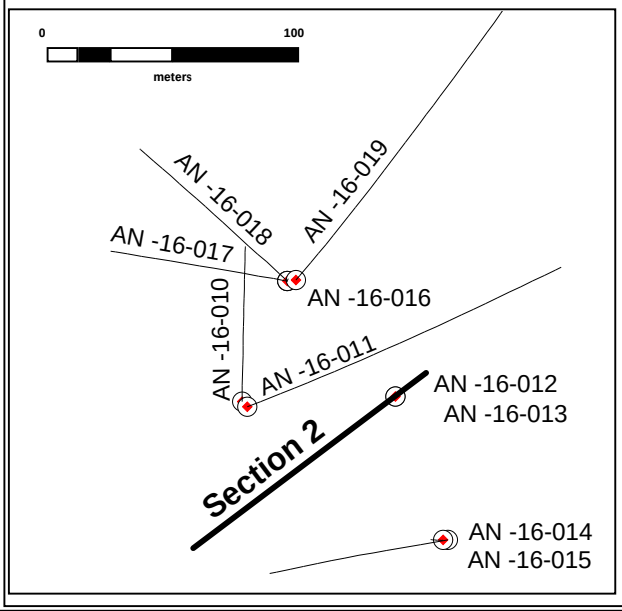
MAPSHEET 106C02
UTM ZONE 8, NAD 83

FILE: F_12-Anubis_Zone_Section_1.wor

DATE: MAY 2017

Looking 323°





Gold Histogram Grades	Lithologies
0-0.5 g/t	Overburden
0.5-1.0 g/t	Siltstone
1.0-3.0 g/t	Fault
	Limestone

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FIGURE 13

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ANUBIS SECTION 2

RACKLA GOLD PROJECT

0 50

meters

Scale 1:1,000

MAPSHEET 106C02
UTM ZONE 8, NAD 83

FILE: F_13-Anubis_Zone_Section_2.wor

DATE: MAY 2017

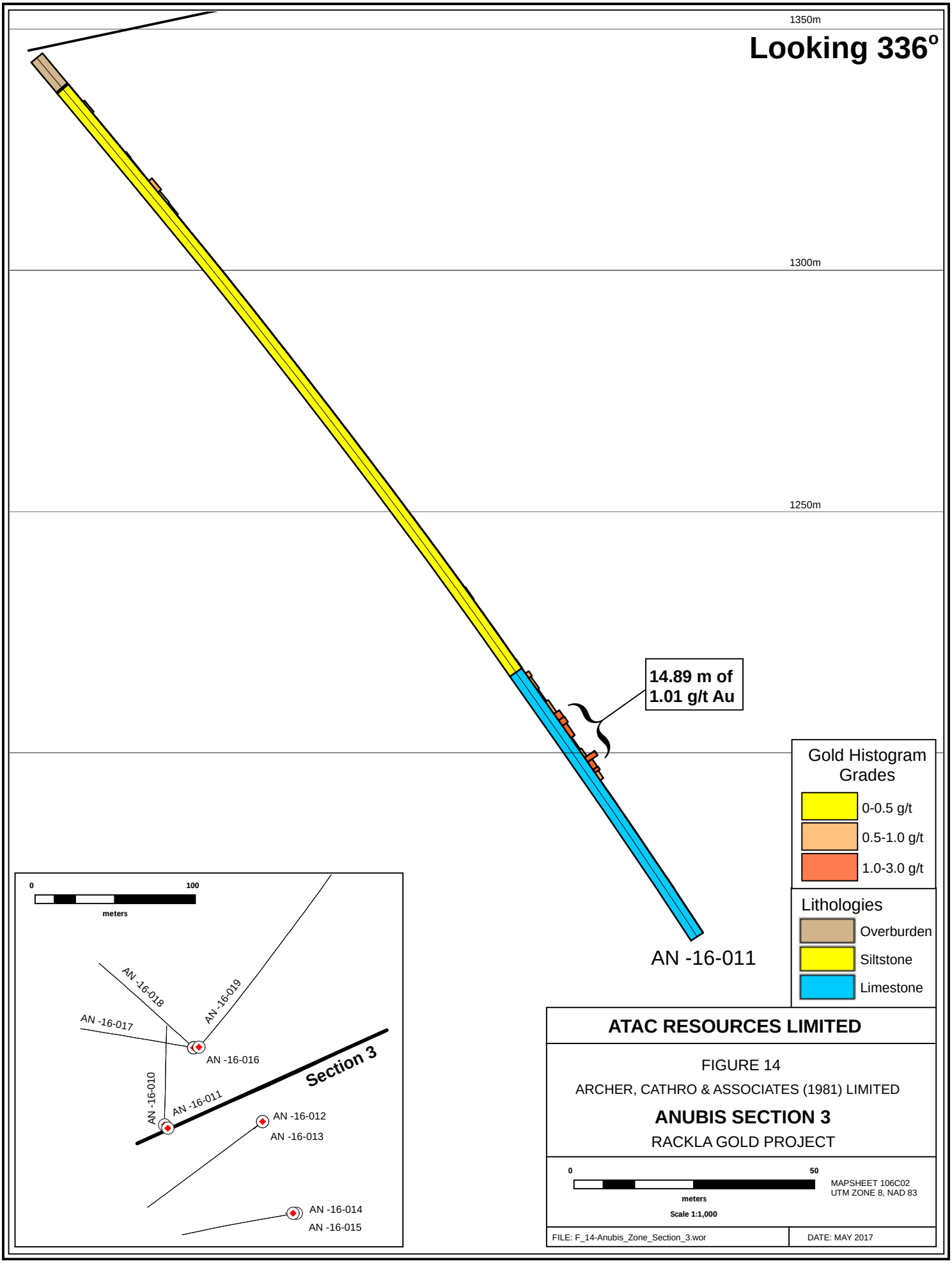
1350m
Looking 336°
1300m
1250m
14.89 m of
1.01 g/t Au
AN -16-011
Gold Histogram Grades
0-0.5 g/t
0.5-1.0 g/t
1.0-3.0 g/t
Lithologies
Overburden
Siltstone
Limestone
0
100
meters
AN -16-018
AN -16-019
AN -16-017
AN -16-016
AN -16-010
AN -16-011
Section 3
AN -16-012
AN -16-013
AN -16-014
AN -16-015
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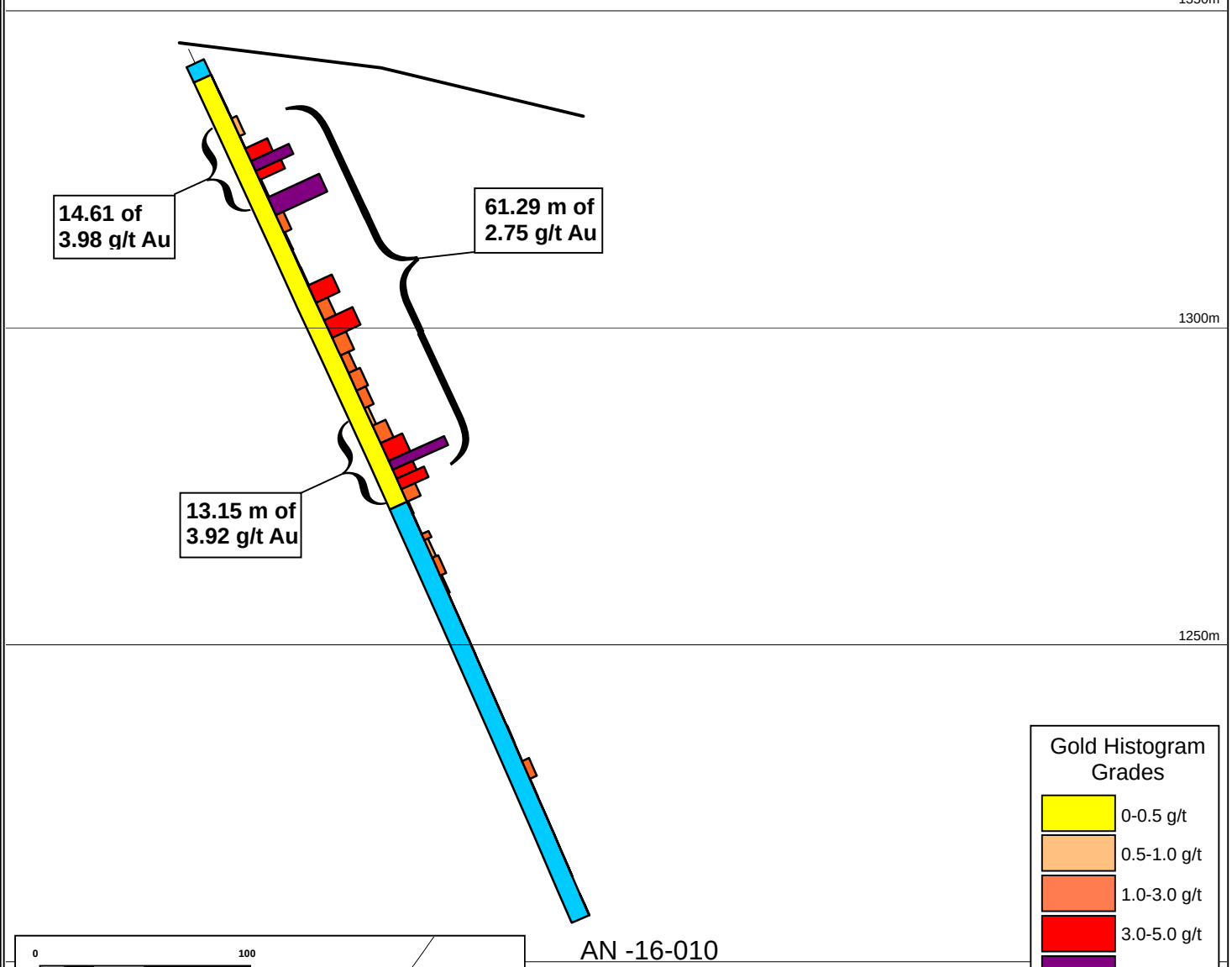
FIGURE 14
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ANUBIS SECTION 3
RACKLA GOLD PROJECT
0
50
meters
Scale 1:1,000
MAPSHEET 106C02
UTM ZONE 8, NAD 83
FILE: F_14-Anubis_Zone_Section_3.wor
DATE: MAY 2017

Looking 271°



Gold Histogram Grades

- 0-0.5 g/t
- 0.5-1.0 g/t
- 1.0-3.0 g/t
- 3.0-5.0 g/t
- 5.0-10.0 g/t

Lithologies

- Siltstone
- Limestone

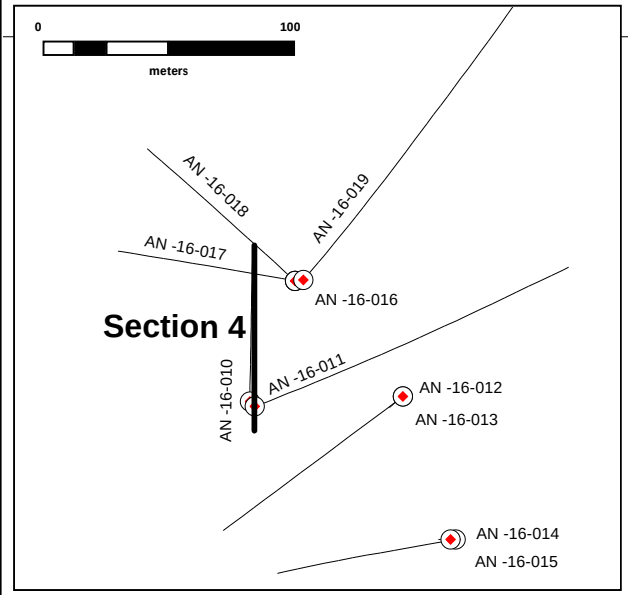


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FIGURE 15

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ANUBIS SECTION 4

RACKLA GOLD PROJECT

0 50

meters

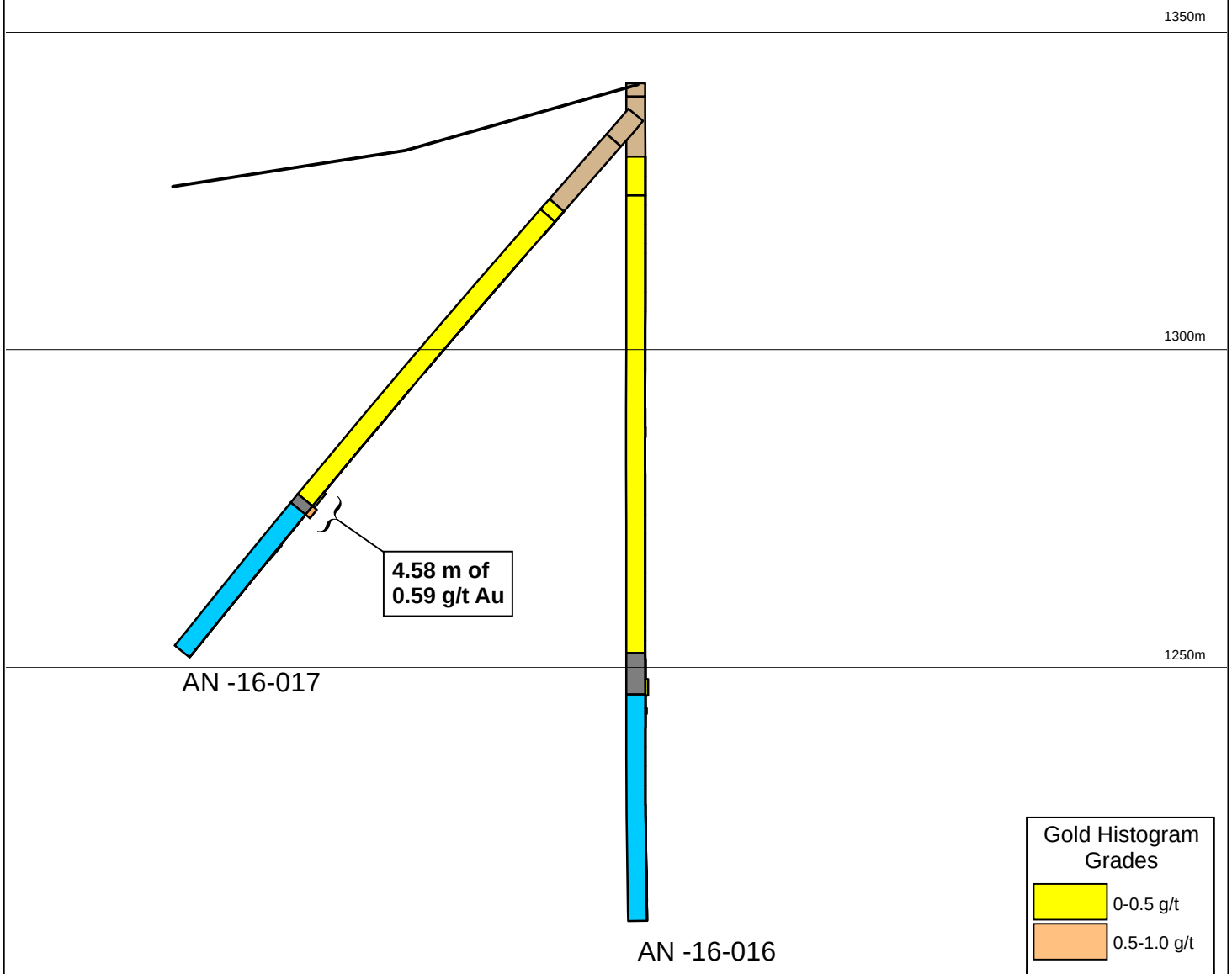
Scale 1:1,000

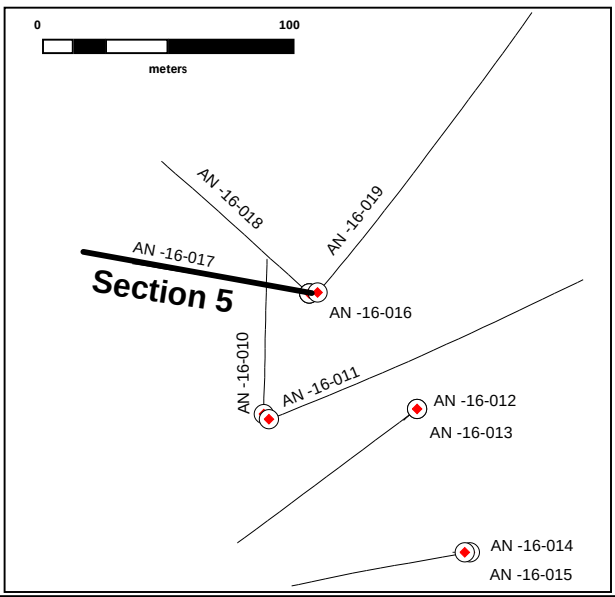
MAPSHEET 106C02
UTM ZONE 8, NAD 83

FILE: F_15-Anubis_Zone_Section_4.wor

DATE: MAY 2017

Looking 5°





Gold Histogram Grades

- 0-0.5 g/t
- 0.5-1.0 g/t

Lithologies

- Overburden
- Siltstone
- Fault
- Limestone

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FIGURE 16

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ANUBIS SECTION 5

RACKLA GOLD PROJECT

0 50

meters

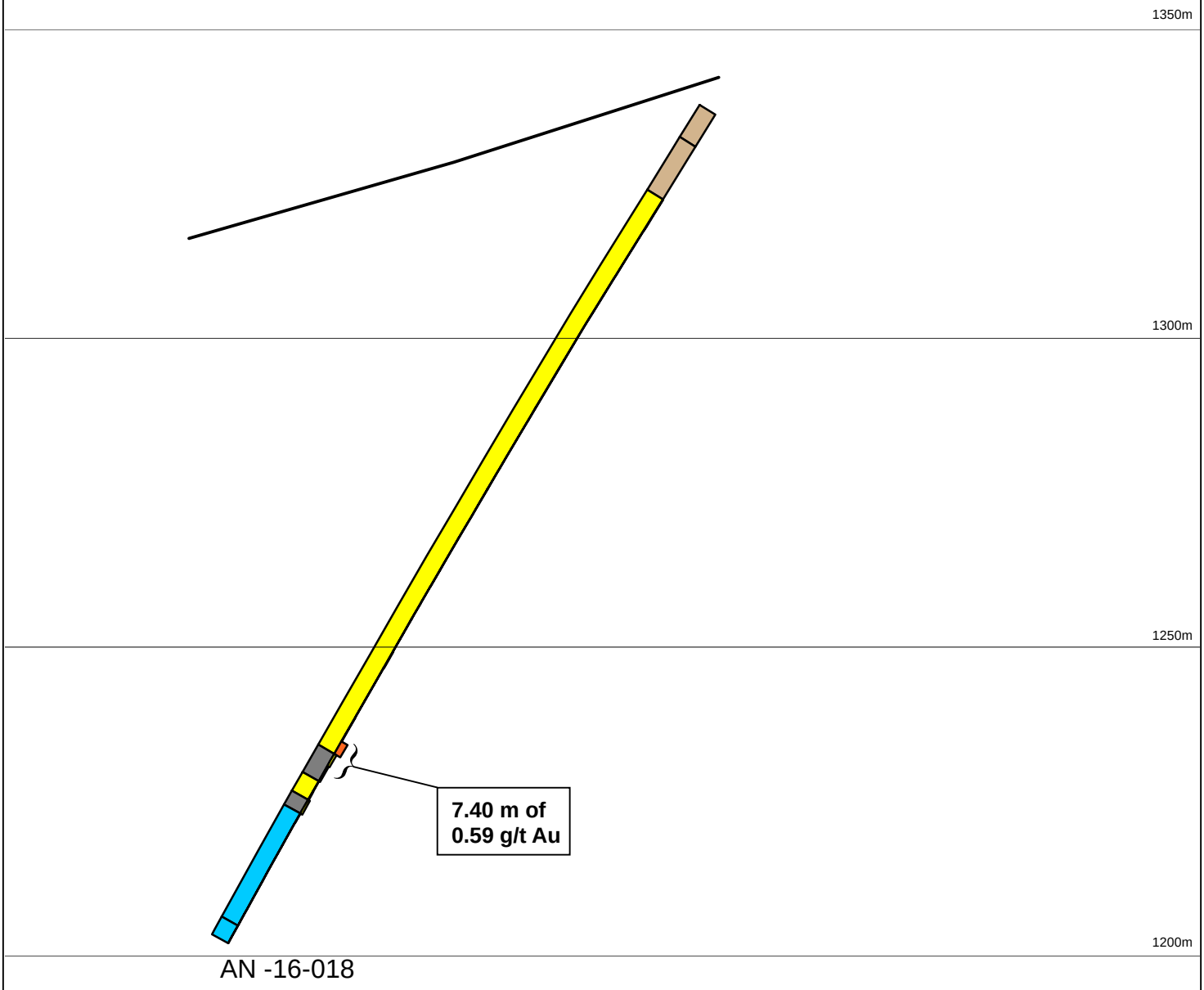
Scale 1:1,000

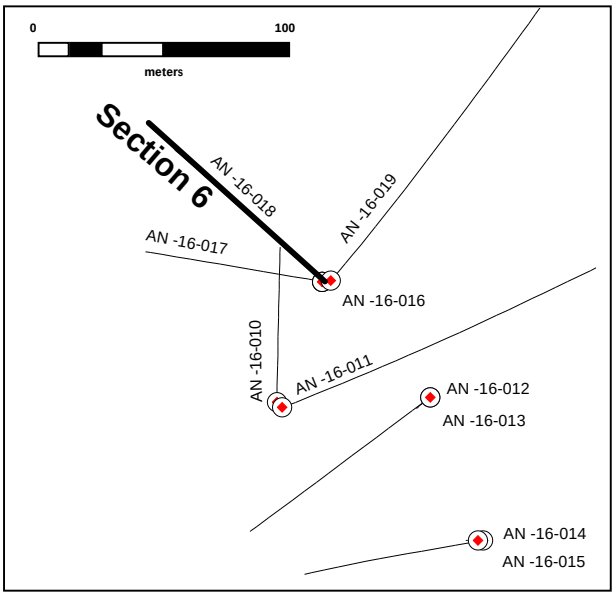
MAPSHEET 106C02
UTM ZONE 8, NAD 83

FILE: F_16-Anubis_Zone_Section_5.wor

DATE: MAY 2017

Looking 042°





Gold Histogram Grades

- 0-0.5 g/t
- 0.5-1.0 g/t
- 1.0-3.0 g/t

Lithologies

- Overburden
- Siltstone
- Fault
- Limestone

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FIGURE 17

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ANUBIS SECTION 6

RACKLA GOLD PROJECT

0 50

meters

Scale 1:1,000

MAPSHEET 106C02
UTM ZONE 8, NAD 83

FILE: F_17-Anubis_Zone_Section_6.wor

DATE: MAY 2017

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FIGURE 18

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ANUBIS SECTION 7

RACKLA GOLD PROJECT

0 50

meters

Scale 1:1,000

MAPSHEET 106C02
UTM ZONE 8, NAD 83

FILE: F_18-Anubis_Zone_Section_7.wor

DATE: MAY 2017

Looking 307°

1250m

1200m

1150m

1100m

AN -16-019

Lithologies

- Overburden
- Siltstone
- Fault
- Limestone