

## ASSESSMENT REPORT

### 2017 GEOLOGY AND SOIL GEOCHEMISTRY

on the

### RC GOLD PROPERTY – RC and BEE CLAIMS

*Owned by Fox Exploration Ltd.*

*and*

*William Mann*

*Operated by Pacific Ridge Exploration Ltd.*

Grant No.	Claim Name	Claim Owner	Expiry
YD86421-YD86492	RC 1-72	Fox Exploration Ltd.	29-Sep-17
YD61309-YD61332	Bee 1-24	William Mann - 100%	16-Oct-20

**NTS 115P14**

**UTM Zone 8 – NAD 83: 401,000 E; 7,080,000 N**

**Latitude: 63° 50' 00" N Longitude: 137° 00' 45" W**

**Dawson Mining District**

**Yukon, Canada**

**Work Performed during the period July 9 to August 1, 2017**

**Report by**

**Gerald G. Carlson, Ph.D., P.Eng.**

**October 3, 2017**

## TABLE OF CONTENTS

TABLE OF CONTENTS .....	2
LIST OF TABLES .....	2
LIST OF FIGURES .....	2
APPENDICES .....	3
SUMMARY .....	4
INTRODUCTION .....	5
PROJECT LOCATION .....	5
ACCESS .....	5
PROJECT DESCRIPTION .....	6
PHYSIOGRAPHY AND CLIMATE .....	8
PROJECT HISTORY .....	8
REGIONAL GEOLOGY .....	9
PROPERTY GEOLOGY .....	10
MINERALIZATION .....	10
2017 EXPLORATION PROGRAM .....	11
Geology .....	11
Mineralization .....	12
Soil Geochemical Survey .....	14
BEE North Anomaly .....	16
BEE South Anomaly .....	16
Big Creek Anomaly .....	16
Far Anomaly .....	17
Mag-VLF Survey .....	23
CONCLUSIONS .....	24
RECOMMENDATIONS .....	25
EXPENDITURES .....	25
CERTIFICATE OF QUALIFICATIONS .....	26
REFERENCES CITED .....	27

## LIST OF TABLES

Table 1. RC-BEE Claims Table .....	7
Table 2. Percentile threshold values (in ppm) for key elements. ....	16
Table 3. Expenditure Summary .....	25

## LIST OF FIGURES

Figure 1. RC Gold project location. ....	6
Figure 2. RC and BEE claims map. ....	7
Figure 3. RC Gold property map .....	9
Figure 4. Location of 2017 work program activities .....	12
Figure 5. Rock geochemistry sample locations .....	13
Figure 6. Soil geochemistry sample locations .....	14
Figure 7. Mann 2015 and RC 2017 soil sample locations. ....	15
Figure 8. Soil geochemistry results – gold. ....	17
Figure 9. Detail gold rock and soil geochemistry, BEE Anomalies. ....	18

Figure 10. Detail gold rock and soil geochemistry, Big Anomaly.....	18
Figure 11. Detail gold rock and soil geochemistry, Far Anomaly. ....	19
Figure 12. Soil geochemistry results – silver. ....	19
Figure 13. Soil geochemistry results – arsenic.....	20
Figure 14. Soil geochemistry results – antimony.....	20
Figure 15. Soil geochemistry results – bismuth. ....	21
Figure 16. Soil geochemistry results – copper. ....	21
Figure 17. Soil geochemistry results – lead. ....	22
Figure 18. Soil geochemistry results – zinc. ....	22
Figure 19. Soil geochemistry results – tungsten. ....	23
Figure 20. Typical magnetic profile (Line 3).....	23

## **APPENDICES**

Appendix I	RC and BEE Claims List
Appendix II	XRF Soil Summary Analytical Results
Appendix III	Laboratory Soil Summary Analytical Results
Appendix IV	Laboratory Soil Analytical Certificates
Appendix V	J.P. Exploration Geology Memo
Appendix VI	Laboratory Rock Analytical Certificate
Appendix VII	Invoices

## SUMMARY

The RC Property (the “Property” consists of 104 quartz mining claims (RC, BEE and BOP claim groups) located in the Dawson and Mayo Mining Districts. A newly constructed gravel access road to Big Creek has significantly improved access to the southern portion of the Property.

The Property lies within the Tombstone Gold Belt where Fort Knox style mineralization is known to be associated with Tombstone Suite intrusions (Hart, et.al., 2002). The headwaters of Clear Creek a historically significant placer gold bearing creek, and Big Creek drain from the property. Recent prospecting (Coe, 2017) has discovered gold mineralization in quartz veins related to the Big Creek Stock, within the Property.

The Property is underlain by metasedimentary rocks of the Yusezyu Formation of the Upper Proterozoic to Cambrian Hyland Group. These have been intruded by the Tombstone-aged (Mid-Cretaceous) Big Creek diorite stock. The area also covers the drainage of a historic Minfile occurrence where mineralized samples collected by Murphy and Heon assayed 377 ppb Au and 478 ppm Mn from a quartz vein, 435 ppb Au, 72 ppm Bi, 88 ppm As, 15.3 ppm Ag, 242 ppm Pb and 303 ppm W from a vein and associated disseminated mineralization and 20 ppb Au and 789 ppm As from a breccia sample (Minfile occurrence 115 061, BIG). Initial reconnaissance prospecting on the property identified quartz monzonite and quartz vein float assaying 115 and 244 ppb Au respectively (Coe, 2017).

During the 2017 mapping program, quartz-arsenopyrite veining was observed in the Bee grid area above a 913 ppb Au soil anomaly (BEE Anomaly), possibly an extension of the Contact Zone in the adjacent Clear Creek property. Three grab samples of quartz vein and breccia material from this area ran 0.317 gpt Au (with 4.6 gpt Ag and 3,383 ppm As), 0.511 gpt Au and 0.257 gpt Au (with 3,292 ppm As). A gossan area corresponding to a calc-silicate altered zone of limy metasedimentary rock occurs within the Big Creek stock (Big Anomaly). A grab sample of rusty quartz breccia ran 3.6 gpt gold with 2.6 gpt Ag and 3,938 ppm As. A second grab of similar quartz breccia assayed 1.919 gpt Au with 3 gpt Ag and 769 ppm As.

The results of the soil survey, when combined with soil results over the BEE grid completed earlier by Mann (2015), defined four strong geochemical anomalies. The **BEE North Au-As-Sb-Bi** anomaly may be related to the nearby Contact Zone on the adjacent Clear Creek property. Three grab samples of vein material assayed 0.511 ppm Au, 0.257 ppm Au and 0.317 ppm Au. The **BEE South Au-Ag-Sb-Pb-As** anomaly is defined by four adjacent gold soil values ranging from 0.227 to 0.998 ppm Au. The linear nature of the anomaly suggests that this anomaly is reflecting the presence of a subcropping gold-silver vein or shear. The **Big Creek Au-As-Ag-Cu-W-Pb-Zn** anomaly appears to be related to rusty and altered quartz breccia related to pyrrhotite-bearing calc-silicate. Gold values of 3.571 ppm and 1.919 ppm Au were returned from two grab samples. The **Far Grid Au-Bi-Cu-W-Ag-As-Sb** anomaly correlates with and extends a Au-As-Cu anomaly first defined by Thor Explorations (Lueck, 1995). The anomaly has a strike length of over 1 km and is immediately adjacent to the intrusive hosted Juno sheeted vein zone on the Clear Creek property drilled by Kennecott in 1995.

Further exploration work is clearly warranted. A program of detailed mapping, prospecting and sampling, including hand trenching, should be carried out over each of the four anomaly areas. The objective of this work would be to identify the source and style of mineralization. A portable XRF should be used as a useful tool for providing immediate feedback on the presence of anomalous gold pathfinder elements.



## **INTRODUCTION**

The RC Project (the “Property”) consists of 72 RC quartz mining claims and 24 BEE quartz mining claims located in the Dawson Mining District and 8 BOP quartz mining claims located in the Mayo Mining District. This report discusses the results of a surface exploration program carried out on the Property during July and August 2017.

The Property covers a target area that includes the Big Creek Stock and historic plus recent anomalous gold occurrences. In 2017, Pacific Ridge Exploration Ltd. (“Pacific Ridge”) optioned the RC claims from Fox Exploration Ltd. (“Fox Exploration”). At the same time, Pacific Ridge optioned the adjoining BEE and BOP claims from Mr. William Mann. The Property has seen relatively little documented exploration activity, yet it adjoins two other highly explored properties: Clear Creek, now owned by Victoria Gold Corp. lies on the west and Mahtin, owned by StrikePoint Gold Inc., lies on the east.

The 2017 exploration program, supported by YMEP Project 17-026, included prospecting, geological mapping, soil sampling (564 samples) and three short lines of mag/VLF ground geophysical surveying. The program was designed to cover as much of the Property as possible on a reconnaissance scale basis, as well as some of the adjoining BEE and BOP claims, with the objective of defining targets for more advanced surface exploration. Contractors included Fox Exploration Ltd. of Vancouver who provided camp and logistics as well as personnel for prospecting and soil sampling, and JP Exploration Services who completed mapping over a portion of the Property. G. Carlson of Pacific Ridge supervised the program and assisted with sampling and geophysical surveying.

Total expenditures for the program are \$117,399.08. Of this amount, \$105,139.71 was spent on the BEE and RC claims while the remaining \$12,259.37 was spent on the adjoining BOP claims located in the Mayo Mining District. The following report describes the entire 2017 field program which was carried out over all three claim groups, as shown in Figures 2 and 4.

## **PROJECT LOCATION**

The RC and BOP claim groups, comprising the majority of the RC Property, are located in the Dawson Mining District in the Yukon, approximately 120 kilometres east of Dawson City. The property is located on NTS map sheet 115P14 and centered at latitude 63° 50’ 00” N and longitude 137° 00’ 45” W, or UTM coordinates 401,000 E and 7,080,000 N (NAD 83, Zone 8) (Figure 1).

## **ACCESS**

Access to the RC Property is via Highway 2, the Klondike Highway, for 425 km north and west from Whitehorse or 100 kilometers east from Dawson to the Clear Creek road. At this point, turn right along Clear Creek road for 33 km where the road meets the Left Fork of Clear Creek. To the right, follow the Left Fork of Clear Creek and then upstream on the Right Fork to the southern part of the Property along the new Big Creek road. Camp 1 is 25 km along this route. To the left, up the Left Fork of Clear Creek, Camp 2 is a further 10 km, just beyond the placer camp of Nels Harper. Roads beyond Camp 2 provide access to the northwestern portion of the Property (see Figure 2).



**Figure 1. RC Gold project location.**

## **PROJECT DESCRIPTION**

The RC Project consists of three contiguous claim groups acquired under two option agreements, including the RC 1 to 72 claims in the Dawson Mining District owned by Fox Exploration Ltd., the BEE 1 to 24 claims in the Dawson Mining District owned by William Mann and the BOP 1 to 8 claims in the Mayo Mining District owned by William Mann (Table 1 and Figure 2).

Pacific Ridge has acquired an option to earn a 100% interest in the RC claims property from Fox Exploration paying \$300,000, issuing 1,500,000 shares and completing \$1.87 million in exploration over 5 years. Pacific Ridge must also pay \$125,000 and issue 500,000 shares upon completion of a feasibility study and an additional \$125,000 and 500,000 shares commencement of commercial production. Fox Exploration retains a 2% NSR, half of which can be purchased for \$2 million.



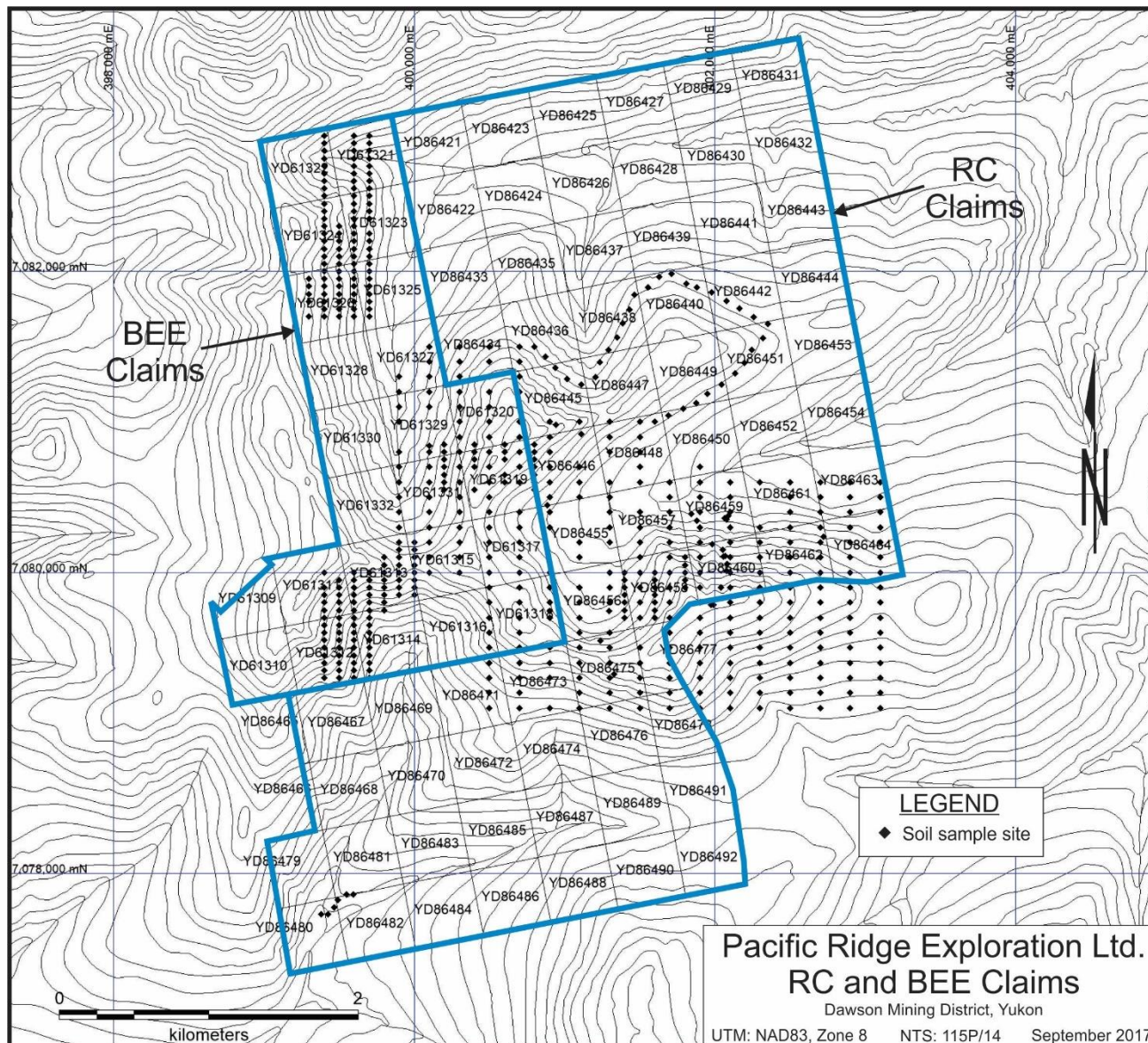


Figure 2. RC and BEE claims map.

Pacific Ridge has an option to earn a 100% interest in the BEE and BOP claims from William Mann by paying \$100,000, issuing 500,000 shares and completing \$630,000 in exploration over 5.5 years. An additional \$125,000 is payable and 500,000 shares issuable upon completion of a feasibility study and an additional \$125,000 is payable and 500,000 shares issuable upon a production decision. The property is subject to a 2% NSR, half of which can be purchased for \$2,000,000.

Table 1. RC-BEE Claims Table

Grant No.	Claim Name	Claim Owner	Expiry
YD86421-YD86492	RC 1-72	Fox Exploration Ltd.	29-Sep-17
YD61309-YD61332	Bee 1-24	William Mann - 100%	16-Oct-20

## **PHYSIOGRAPHY AND CLIMATE**

The RC Property covers moderate terrain, with elevations ranging from 1200 metres to 1,600 metres. Much of the property extends above the tree line and is covered by sparse tundra vegetation; ridgelines are covered by talus and felsenmeer with little vegetation. Forest cover on lower slopes consists mostly of black and white spruce. Loess is observed in many areas can prevent penetration to the proper sampling horizon and mask geochemical responses.

The climate is generally dry during the summer months with most precipitation occurring in July and August. Temperatures range from -45° C in the winter months to 30° C in the summer. Snow accumulation begins generally in late September and is mostly melted by mid-May. The regional area was subject to weak glaciation and the surrounding area is known to have accumulations of loess up to 20 metres thick.

## **PROJECT HISTORY**

Placer Mining first began on Clear Creek in the late 1800's and the first quartz claims were staked in the early 1900's. Placer mining has continued to the present, with a dredge operating on Clear Creek from 1943 to 1954 and again between 1981 and 1987.

The first modern hard rock exploration in the area took place in the 1970's, targeting silver, tin and tungsten, metals commonly associated with Intrusion Related Gold deposits. High grade gold-silver and silver-lead-zinc veins have also been prospected.

In the 1990's, exploration shifted to bulk tonnage gold after the discovery of the Fort Knox gold deposit in Alaska, in a similar geological environment. Explorers in the vicinity of the RC Gold property included Noranda, Ivanhoe Goldfields, Kennecott and Newmont. These companies carried out geological mapping, geochemical and geophysical surveys and several campaigns of drilling. More recently, in the 2000's, Thor Explorations, StrataGold and Golden Predator have explored on the west side of the RC Property, while Ryan Gold (now StrikePoint) explored to the east.

The RC Property area was staked as the Far claims by R. Wongda after a mineralized showing in the area was discovered by Murphy and Heon during 1:50,000 scale geological mapping in 1993. The mineralized samples collected by Murphy and Heon assayed 377 ppb gold and 478 ppm manganese (vein), 435 ppb gold, 72 ppm bismuth, 88 ppm arsenic, 15.3 ppm silver, 242 ppm lead and 303 ppm tungsten (vein, disseminated) and 20 ppb gold and 789 ppm arsenic (breccia) (Minfile occurrence # 115 061; name: BIG).

In 1994, Wongda carried out minor geological mapping and sampling on claims Far 65-70. L. Hart re-staked the showing in December 1994. Thor Explorations Ltd. optioned the Far and other neighbouring claims from Hart. In September 2003 Thor Explorations carried out soil sampling and prospecting on Far claims 31-34, and 51-54 and other neighbouring claims. In 2005 Thor Explorations Ltd carried out an additional reconnaissance exploration program.

In 2010, Bearing Resources acquired the BIG claims centred on the Big Creek Stock and carried out a small soil and rock sampling program. They identified quartz-tourmaline breccia in altered metasediments within the stock, with one grab sample running 2.91 gpt Au taken from several rusty float boulders with quartz-arsenopyrite veining (Mann, 2011).

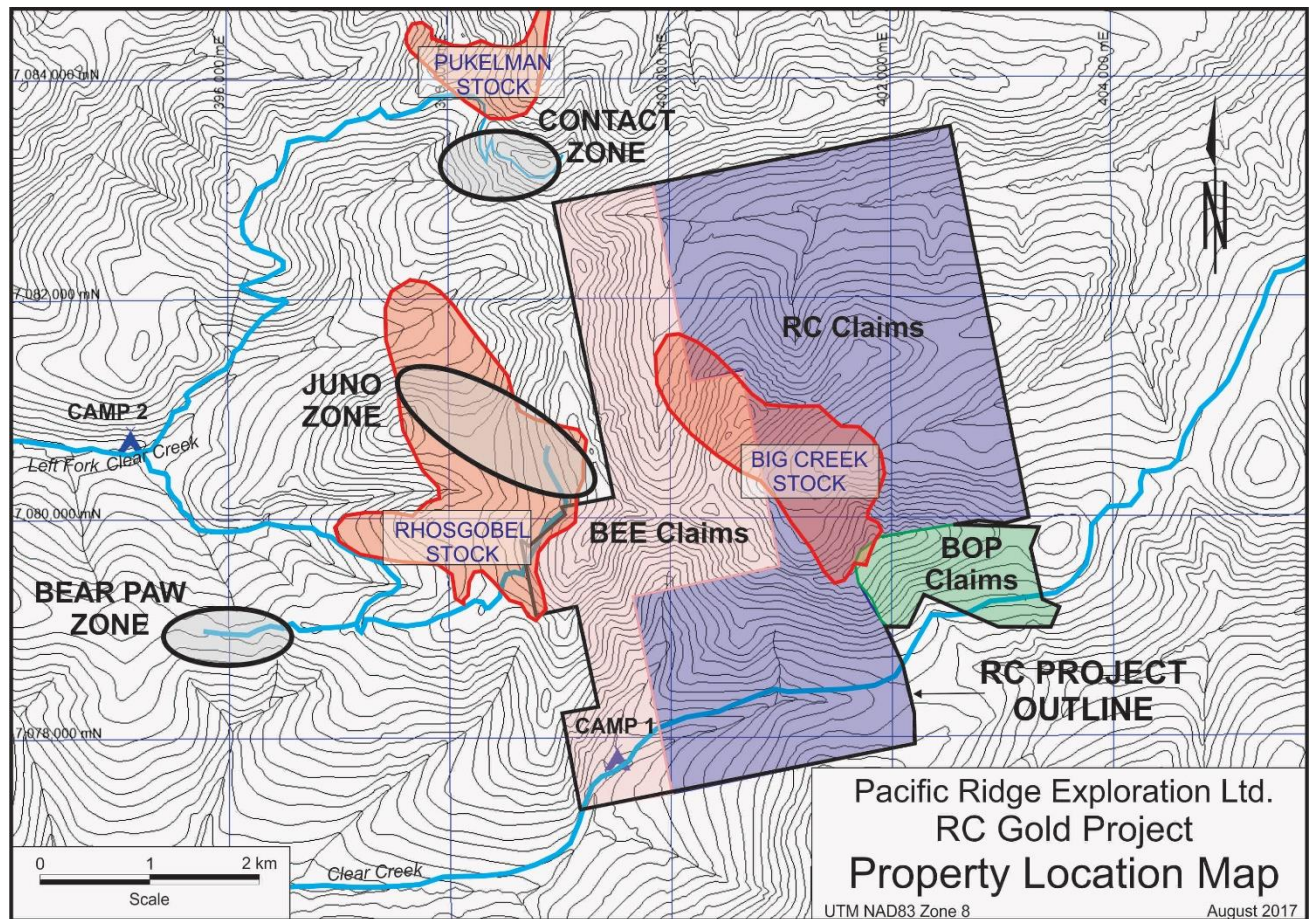


In 2014, William Mann staked the BEE claims and in 2015 carried out a program of rock and soil sampling. In 2017, he added the BOP claim group on the southeast side of the RC claim group.

In August 2016, Fox Exploration took three rock grab samples exposed along the newly constructed Big Creek road that cuts through the RC property area, one of which returned 180 ppb gold (Coe, 2017). The RC claims were subsequently staked for Fox Exploration to cover a target area that includes the Big Creek Stock and historic plus recent anomalous gold occurrences. Brief reconnaissance prospecting on the property in October 2016, identified quartz monzonite and quartz vein float assaying 115 and 244 ppb gold respectively (Coe, 2017).

## REGIONAL GEOLOGY

The Clear Creek property is located within the Selwyn Basin, a sequence of shelf and off-shelf sedimentary and lesser volcanic strata along the margin of the Mackenzie Platform to the northeast (Gordey and Anderson, 1993), deposited from late Precambrian to Triassic time. The environment was predominantly subaqueous, with some episodes of uplift. In the Cretaceous, the Selwyn Basin strata were intruded by the 92 Ma Tombstone Plutonic Suite, forming an arcuate belt of intrusions extending east-southeast from the Fairbanks area across the Yukon. A second intrusive suite, the Late Cretaceous - early Tertiary McQuesten suite, extends east-west along the southern margins of the Clear Creek area.



**Figure 3. RC Gold property map showing Tombstone-aged intrusions (red outlines) and mineralized zones (Contact, Juno and Bear Paw) on the adjacent Clear Creek property.**

The Clear Creek area is underlain by basal Selwyn Basin strata belonging to the Yusezyu Formation of the Upper Proterozoic to Lower Cambrian Hyland Group. Yusezyu Formation sediments consist largely of pelites, psammites, coarse clastic "grits" and quartzites, with lesser limestone and marble, calcareous elastic sediments and chemical and elastic sediments. The "Tombstone Strain Zone", a broad zone of complex deformation, resulting in multi-episodic folding and prominent foliation and lineation development within the sediments, extends roughly east-west just north of the project area (Murphy and Heon, 1996).

Tombstone Suite stocks in the area include the Rhosgobel, Big Creek, Pukelman, Josephine and Eiger stocks (see Figure 3 – Josephine and Eiger stocks are just off the map to the north). The Josephine and Big Creek stocks are dioritic, the Eiger stock is granodiorite and the Rhosgobel and Pukelman stocks are quartz monzonite to granite. The intrusions are surrounded by a broad zone of hornfels. The McQuesten Suite intrusions, including the Vancouver Creek stock, are mostly of biotite-muscovite granite to quartz monzonite, medium to coarse grained and locally porphyritic.

Valley floors are covered by unconsolidated Quaternary sediments.

## **PROPERTY GEOLOGY**

The Property is underlain mostly by Yusezyu Formation metasedimentary rocks exhibiting multi-episodic deformation that results in a pervasive foliation and locally several styles of folding. Areas proximal to the Clear Creek intrusions exhibit hornfelsing and contact metamorphic and metasomatic fabrics. Stephens et. al. (2003) have divided the hornfels aureole into two zones: an inner aureole of contact metasomatism with skarn development, strong foliation and a strong contact metamorphic overprint of biotite-andalusite; and an outer aureole characterized by a contact metamorphic overprint of biotite and andalusite. It has been suggested that all these intrusions may be related as variously fractionated magma from a single parent source at depth, as they are approximately the same age and occur within a single large halo of hornfels (Schulze, 2005).

The Big Creek Stock underlies much of the southern portion of the RC claim block (Figure 3). A hornfels zone extends more than 200 m from the intrusive contact. Minor limonitic granitic dykes extend up to 500 metres from the stock (Schulze, 2005).

## **MINERALIZATION**

The target at RC Gold is an Intrusion Related Gold deposit like Eagle Gold (Victoria Gold), Brewery Creek (Golden Predator) and Red Mountain in Yukon and Fort Knox, True North, Pogo and Donlin Creek in Alaska.

Coombes (1995) reports three styles of mineralization on the adjoining Clear Creek property, including gold-bearing stockwork to sheeted vein zones hosted by felsic to intermediate intrusions and adjacent hornfels zones; auriferous pyrite within fault zones cutting metasedimentary rocks; and scheelite-bearing calc-silicate skarns. The mineralization at Bear Paw on the Clear Creek property (see Figure 2) is mainly breccia hosted with only minor felsic dikes, and may be in the cupola zone of an intrusion at shallow depth below the known mineralized zone.

On the Property, a sample of quartz-arsenopyrite veining within brecciated phyllite returning a value of 0.112 opt (3.48 g/tonne) gold was obtained by Bema Industries Ltd. in 1981 near the eastern

boundary of the claim block (Schulze, 2005). In the same general area, Murphy and Heon (2006) report a breccia zone where mineralized samples assayed 377 ppb gold, now known as the BIG Minfile occurrence (115 061). Coe (2017) reported quartz vein float along the new Big Creek road with gold values ranging from 115 to 244 ppb.

## **2017 EXPLORATION PROGRAM**

A crew of four mobilized by truck from Whitehorse to Camp 1, located on the upper reaches of Clear Creek, on July 9, 2017. The crew included a geologist, field technician and soil sampler from Fox Exploration, accompanied by G. Carlson of Pacific Ridge. On July 24, 2017, the crew moved by road to Camp 2 on the Left Fork of Clear Creek. On August 1, 2017, the crew was demobilized by truck back to Whitehorse. Carlson left the Property on July 13 and returned from July 28 to July 31.

Carlson completed two mapping traverses along and to the north of Big Creek road out of Camp 1. During the period July 23 to July 27, J. Pautler of J.P. Exploration Services mapped the northwest corner of the property adjacent to the Contact and Juno zones on Victoria Gold's Clear Creek property from Camp 2. All geology stations are shown on Figure 4.

A wide spaced soil grid, with samples spaced 100 m apart on 200 m spaced lines, was laid out to cover as much of the Property as possible utilizing the existing road access. During the first half of this program, a field portable Olympus Handheld XRF Analyzer, leased from Reflex Instruments, was used to give a field analysis of metal values. Samples were analyzed with the XRF Analyzer each evening after the day's sampling effort. High arsenic values, as a proxy for gold, were used to select areas to tighten up grid spacing. Tighter spacing was also used over a portion of the historical Far claims soil geochemical grid (Lueck, 1994), which had encountered some significant gold soil anomalies, and extending Mann's soil grid on the BEE claims, adjacent to the Clear Creek Contact zone (Mann, 2015). Locations of all 2017 soil samples are shown in Figure 4.

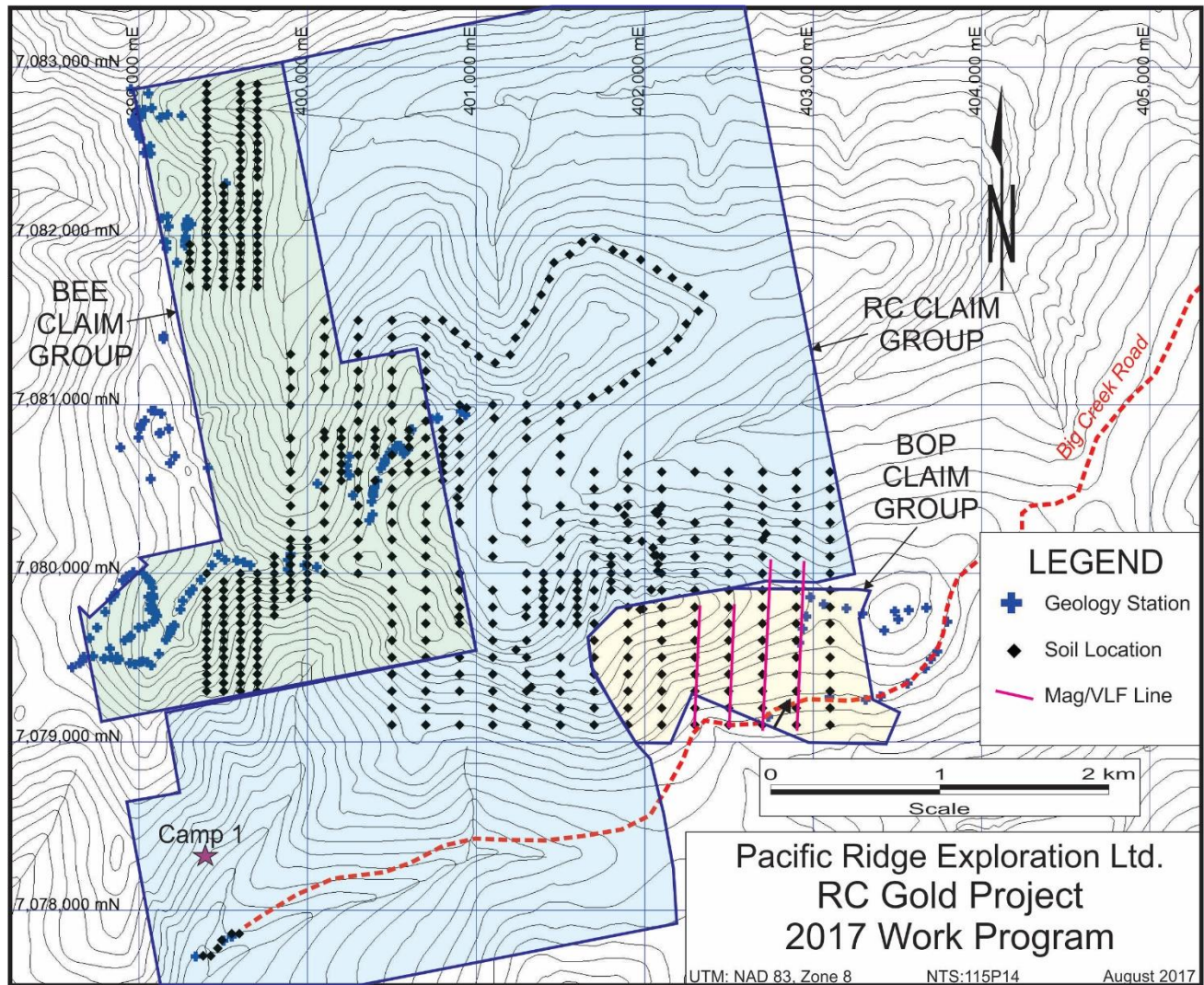
A magnetics and VLF electromagnetics survey was run using a Gem GSM-19 Overhauser Mobile Magnetometer with integrated VLF and Mobile Magnetometer Base Station rented from SJ Geophysics of Delta, British Columbia ("SJ"). Four lines were completed in the southeast corner of the Property, mainly on the BOP claims, to confirm an interesting east-west trending magnetic anomaly delineated in an earlier airborne survey (Stammers, 1998). Mag-VLF lines were run north-south, at right angles to the strike of the mag feature, and spaced 200 m apart. Readings were taken at 12.5 m intervals along the lines. The lines ranged from 600 to 900 m, for a total survey length of 3 km (Figure 4).

### ***Geology***

The following description is condensed from a memo by J. Pautler (see Appendix V). The predominant rock type encountered during the mapping was Yusezyu Formation metasediments. Lithologies include muscovite-chlorite phyllite and micaceous quartzite, with lesser meta-arenite and siliciclastic grit, commonly interbedded. Foliations generally trend easterly to locally southeast and northeast, dipping shallow to moderately north. Biotite hornfelsing is common and andalusite is present within the phyllites within a small embayment of the phyllite into the Rhosgobel stock and within a pendant within the Big Creek stock. Calc-silicate alteration  $\pm$ pyrrhotite was observed within a gossanous zone within the pendant with pyrrhotite observed within the surrounding diorite and granodiorite of the stock.



The metasedimentary rocks are intruded by the Cretaceous Tombstone plutonic suite Rhosgobel and Big Creek stocks (Figure 3). The Rhosgobel stock is medium to coarse grained with megacrysts of potassium feldspar, and quartz monzonite in composition. Abundant southeast trending dykes emanate from the stock. The Big Creek stock is medium to fine grained diorite with minor granodiorite. Brecciation occurs along the northern contact of this stock.



**Figure 4. Location of 2017 work program activities.**

A major north trending fault extends along the northerly flowing portion of upper Big Creek, extending southwards, to where it has been previously recognized through the saddle and along upper Right Clear Creek. This fault may be the continuation of the Josephine fault (Stammers 2000), dextrally offset along the easterly trending fault following the east flowing section of Big Creek. More east west trending structures discussed below do not appear to cross upper Big Creek. A major easterly trending fault has been previously recognized along the easterly flowing tributary of Big Creek and then along the easterly flowing portion of Big Creek. This fault appears to extend through the northern Contact zone extension in the Bee grid area.

### **Mineralization**

The most extensive area of quartz-arsenopyrite veining observed was in the Contact Zone extension (Figure 5) in the Bee grid area (see also Figures 1 and 3, Appendix V), above a 913 ppb Au soil



anomaly. Sheeted, about 20 cm wide, quartz veins, locally containing arsenopyrite, occur at what appears to be an old trench or pad. Three grab samples of quartz vein and breccia material from this area ran 0.317 gpt Au (with 4.6 gpt Ag and 3,383 ppm As), 0.511 gpt Au and 0.257 gpt Au (with 3,292 ppm As).

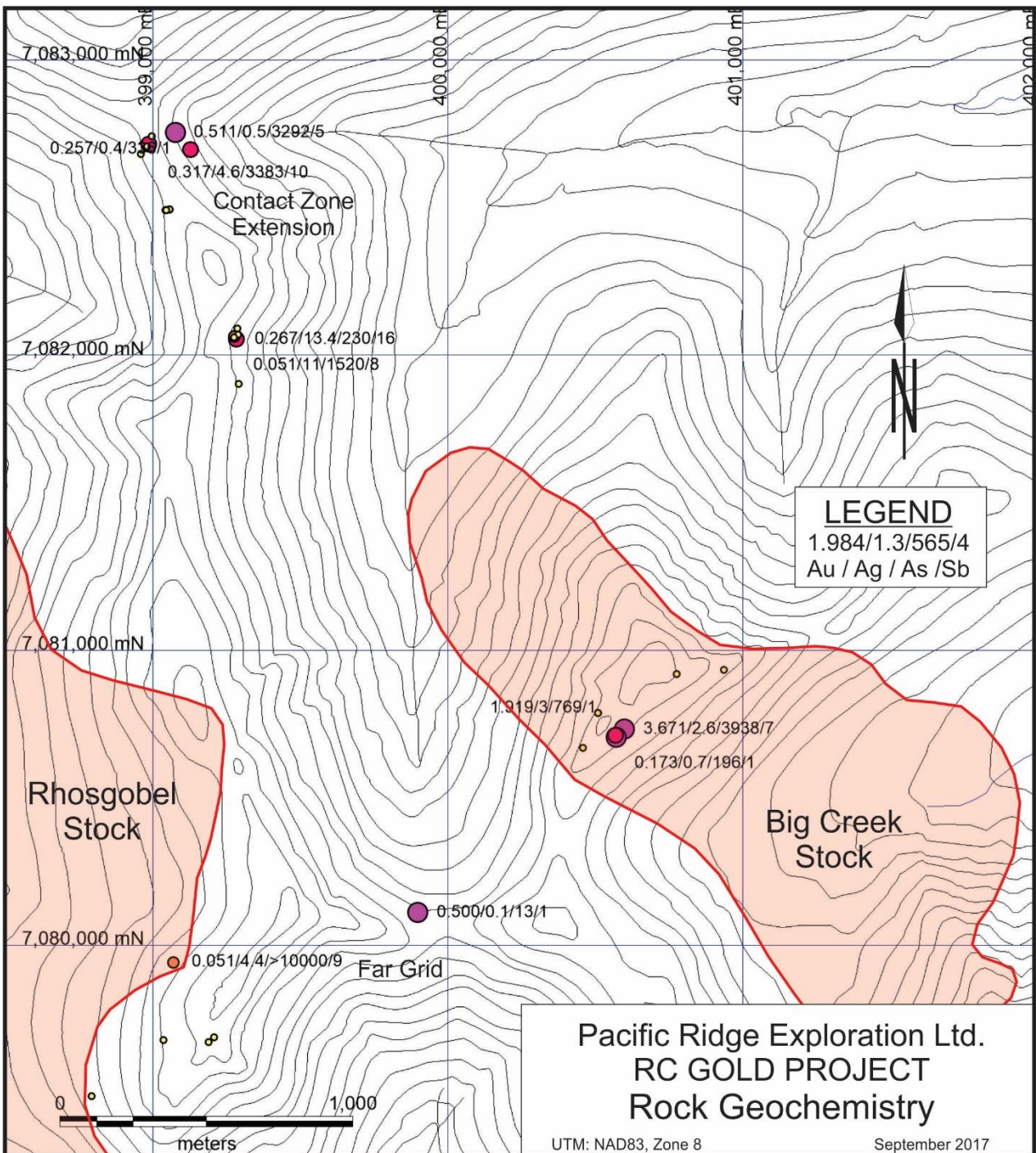


Figure 5. Rock geochemistry sample locations (circles) and values for higher grade samples.

A gossan area corresponding to a calc-silicate altered zone of limy metasedimentary rock occurs within the Big Creek stock. Pyrrhotite occurs within the calc-silicate and within the surrounding diorite and granodiorite. Quartz ±tourmaline float was also observed. A grab sample of rusty quartz breccia ran 3.6 gpt gold with 2.6 gpt Ag and 3,938 ppm As. A second grab of similar quartz breccia assayed 1.919

gpt Au with 3 gpt Ag and 769 ppm As. A piece of quartz float with clots of galena mineralization was discovered on a steep slope just east of the Big Creek stock. This style of mineralization is typically found on the periphery of gold zones with this style of mineralization. This could be a distal manifestation of the Big Creek stock gold values mentioned above.

Several gossanous zones with local quartz veining were noted in the area of the Far Grid (Figure 5). The rocks are typically limonite, sericite and epidote altered, locally with tourmaline. One grab sample assayed 0.5 gpt Au.

The memo by Pautler (Appendix V) provides a more in-depth description on mineralization with a tabulation of samples collected and summary analytical results. The memo also provides local detailed maps of some of the areas covered by the survey.

### Soil Geochemical Survey

The soil survey was designed with three purposes in mind: Firstly, to provide broadly spaced coverage of as much of the claim group as practical from existing road access. Secondly, to extend the grid and gold anomaly defined by Mann (2015) within the BEE claims in the northwest corner of the claim group and, finally, to confirm and extend the historical gold anomaly on the Far grid (Lueck, 1994) in the southwestern corner of the claim block. Sample locations are shown in Figure 6.

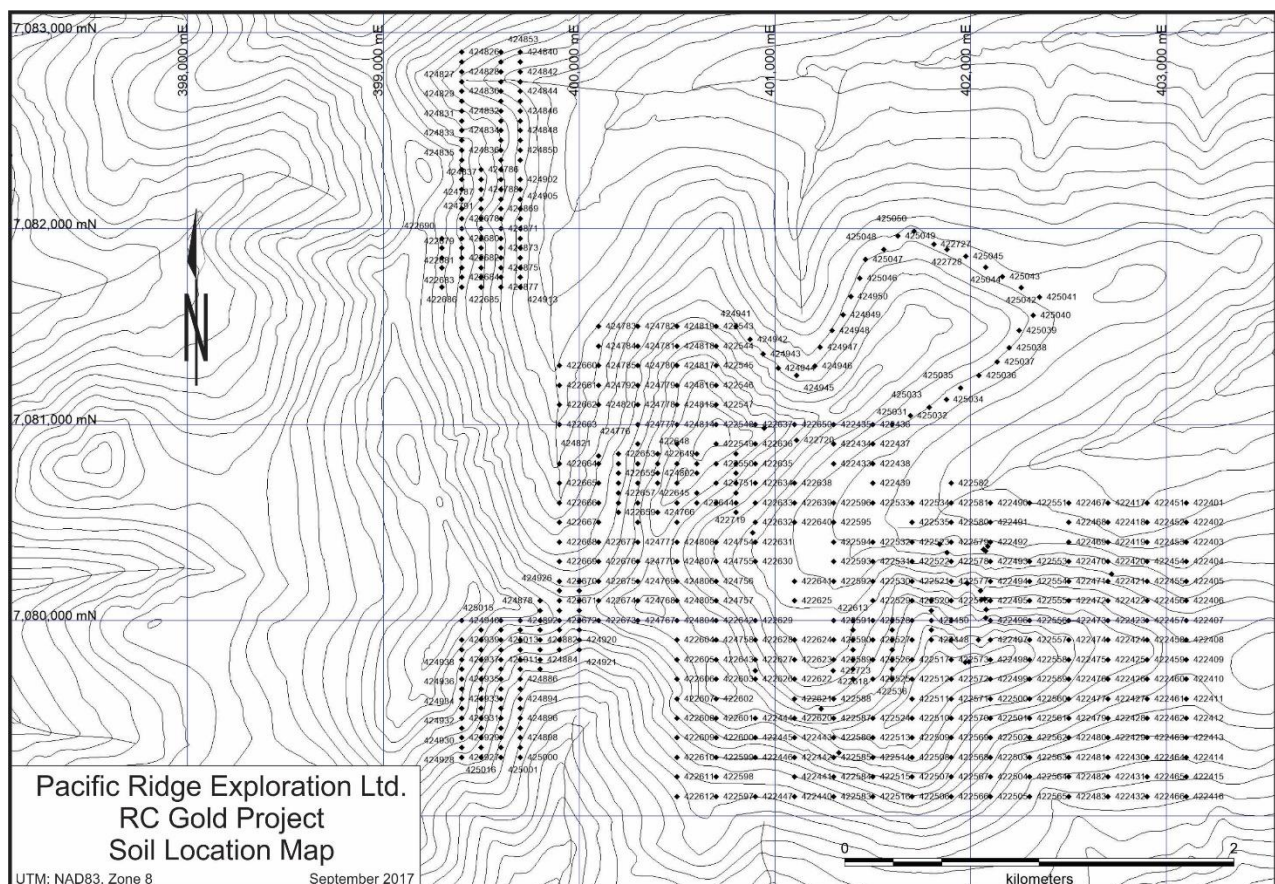


Figure 6. Soil geochemistry sample locations.

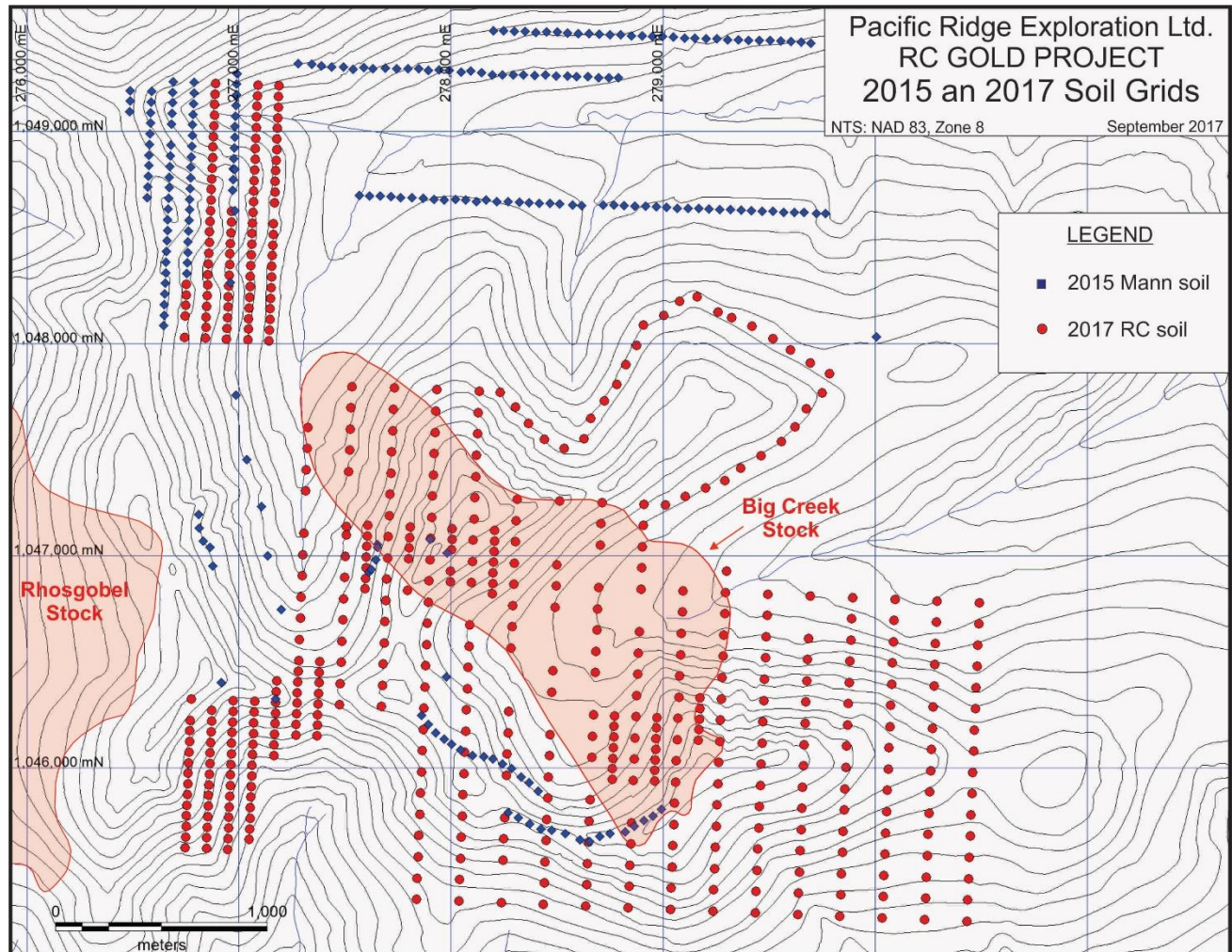
During the first half of the program, soil samples were analyzed daily with the field portable XRF analyzer. Due to the wet weather conditions and the time constraints of the program, there was insufficient time to dry and sieve the samples. The analysis was carried out by emptying each sample



onto a paper plate, removing any larger fragments and conducting analyses on two different portions of the sample. These readings were then averaged by the XRF instrument.

The portable XRF is not capable of measuring gold at the levels typical of soils in this area (<1 ppm) and typical Sb values are also at or below detection levels. For this survey, As was used as a pathfinder and, where anomalous As values were detected, the soil grid was tightened up with 100 m spaced in-fill lines.

For interpretation purposes, the 538 samples collected during the 2017 program have been combined with the 230 soils collected mostly on the BEE claims as reported by Mann (2015). Figure 7 shows the relationship between the two data sets within the Property.



**Figure 7. Mann 2015 and RC 2017 soil sample locations.**

The statistics below, in Table 2, for determining threshold levels for gold and related associated and pathfinder elements, were calculated only on the 2017 geochemical data set. Values above the 98<sup>th</sup> percentile are taken as very strongly anomalous, above 95<sup>th</sup> percentile strongly anomalous, 90<sup>th</sup> percentile as anomalous and 70<sup>th</sup> percentile as weakly or possibly anomalous.

Results of the survey are shown in Figures 8 to 19. The survey defined four anomalies: BEE North, BEE South, Big and Far, as shown on each of the interpretation maps. Maps portraying the details of

the gold values within these anomaly areas are outlined in Figure 8 and presented in detail in Figures 9 to 11.

**Table 2. Percentile threshold values (in ppm) for key elements.**

	<b>Au</b>	<b>Ag</b>	<b>As</b>	<b>Sb</b>	<b>Bi</b>	<b>Cu</b>	<b>Pb</b>	<b>Zn</b>	<b>W</b>
<b>Maximum</b>	0.998	36.9	2220	26	17	192	661	440	150
<b>98<sup>th</sup> Percentile</b>	0.140	3.7	681	5	4	97	129	161	40
<b>95<sup>th</sup> Percentile</b>	0.082	2.2	460	3	3	76	75	132	21
<b>90<sup>th</sup> Percentile</b>	0.053	1.1	308	2	2	60	46	114	10
<b>70<sup>th</sup> Percentile</b>	0.019	0.5	112	1	1	40	23	91	5
<b>Min</b>	0.001	0.1	4	1	1	9	7	19	5

### **BEE North Anomaly**

The BEE North anomaly, in the extreme northwest corner of the Property, may be related to the nearby Contact Zone on the adjacent Clear Creek property. The anomalous gold values are accompanied by a strong arsenic signature (Figure 13), weakly anomalous antimony (Figure 14) and moderately anomalous bismuth (Figure 15). The strongest gold soil values, 0.199 and 0.913 Au, are from samples collected immediately down slope from quartz veins, locally containing arsenopyrite. Three grab samples of this vein material assayed 0.511 ppm Au, 0.257 ppm Au and 0.317 ppm Au (see Figure 9). The location and geochemical signature suggest a potential relationship with the Contact Zone and the Pukelman Stock on the adjacent Clear Creek property. Mineralization reported from the Contact zone is typically quartz vein related and tends to be high grade over narrower intervals as opposed to low grade bulk tonnage.

### **BEE South Anomaly**

As can be seen in Figure 9, the BEE South anomaly is defined by four adjacent gold soil values ranging from 0.227 to 0.998 ppm Au over a north-south strike length of plus 75 m. An additional strongly anomalous value, 0.267 ppm Au, occurs just to the southwest. The gold values are supported by strongly anomalous silver, antimony and lead and moderately anomalous arsenic (see Figures 12, 13, 14 and 17). No rock samples were collected in this area during the program.

The linear nature of the anomaly, striking north-south or possibly north-northeast, and the geochemical signature, suggests that this anomaly is reflecting the presence of a subcropping gold-silver vein, likely galena-bearing. This style of mineralization typically occurs peripheral to the intrusive-related gold zones, in this case the Contact Zone.

### **Big Creek Anomaly**

This anomaly occurs near the centre of the property, within the Big Creek Stock. It appears to be related to rusty and altered quartz breccia and pyrrhotite-bearing calc-silicate near contacts with lenses of metasediments caught up within the intrusive. Gold values of 3.571 ppm and 1.919 ppm Au were returned from two grab samples.

The gold soil anomaly is approximately 500 m long in an east-west direction along the top of a ridge. It is supported by strongly anomalous arsenic and moderate to weakly anomalous silver, copper, lead, zinc and tungsten.

This is the first report of intrusive-related style of gold mineralization related to the Big Creek Stock. A second zone of proximal to distal Au-Ag-Pb mineralization was also noted during the program,



along the southeast margin of the Big Creek Stock, about one km southeast of the Big Creek Zone. Anomalous Au-Bi values grade to the east to anomalous Ag-Pb-Cu values over about 750 m. A piece of galena mineralized quartz float was discovered on a steep talus slope in the eastern portion of this anomaly.

### Far Anomaly

A gold-arsenic-copper anomaly was first defined in this area by Thor Resources (Lueck, 1995). Soil sampling in 2017 covered the eastern portion of this anomaly and extended sampling further to the east. No significant showings have yet been discovered in this area due to poor exposure, but one rock sample of quartz vein with chlorite and trace arsenopyrite, collected from the ridge in the northeast corner of the anomaly, assayed 0.5 ppm Au (Figure 11).

The anomaly is almost one km in length, northeast trending and open to the west, where it is further defined by the 1995 sampling for approximately another 500 m. In addition to strong gold values (Figures 8 and 11), the anomaly is supported by strongly anomalous bismuth and moderately anomalous silver, arsenic and antimony. It also has associated anomalous tungsten and copper values. This metal assemblage suggests a mineralization source that is “proximal” within the intrusive-related gold model. This zone is adjacent to the Juno Zone within the Rhosgobel Stock on the adjoining Clear Creek property and it may represent a similar style of mineralization.

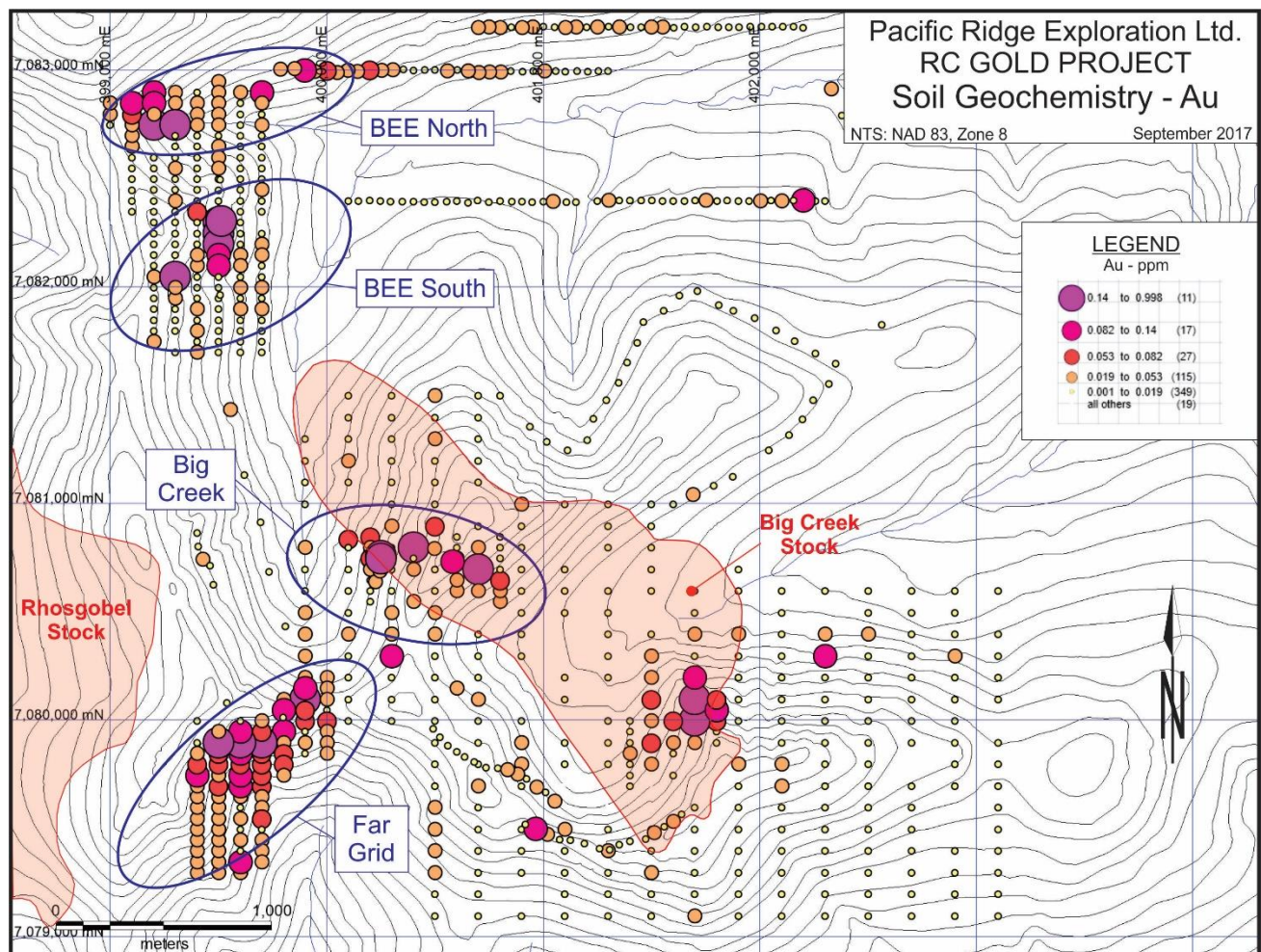
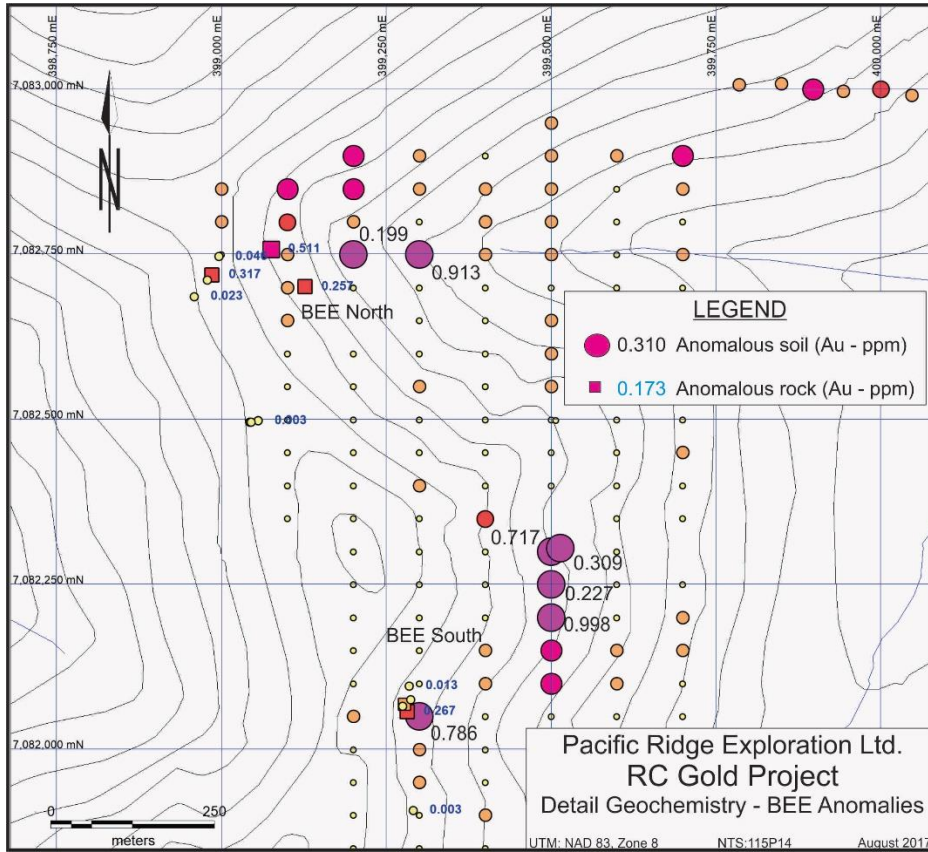
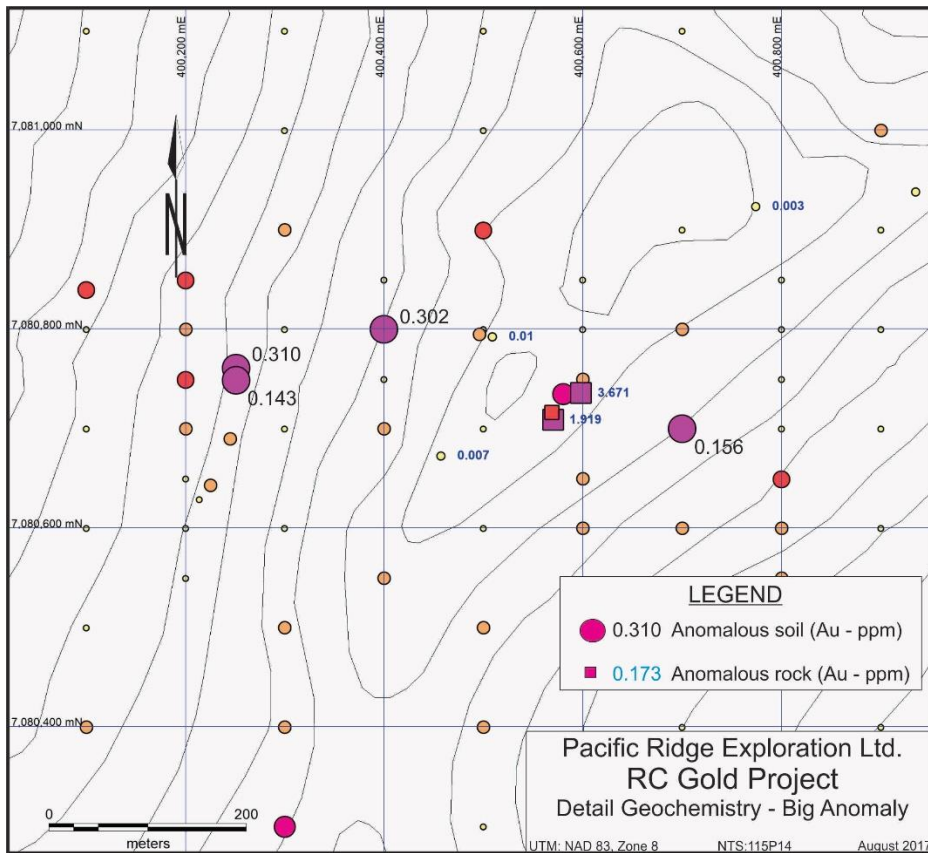


Figure 8. Soil geochemistry results – gold.



**Figure 9. Detail gold rock and soil geochemistry, BEE Anomalies.**



**Figure 10. Detail gold rock and soil geochemistry, Big Anomaly.**



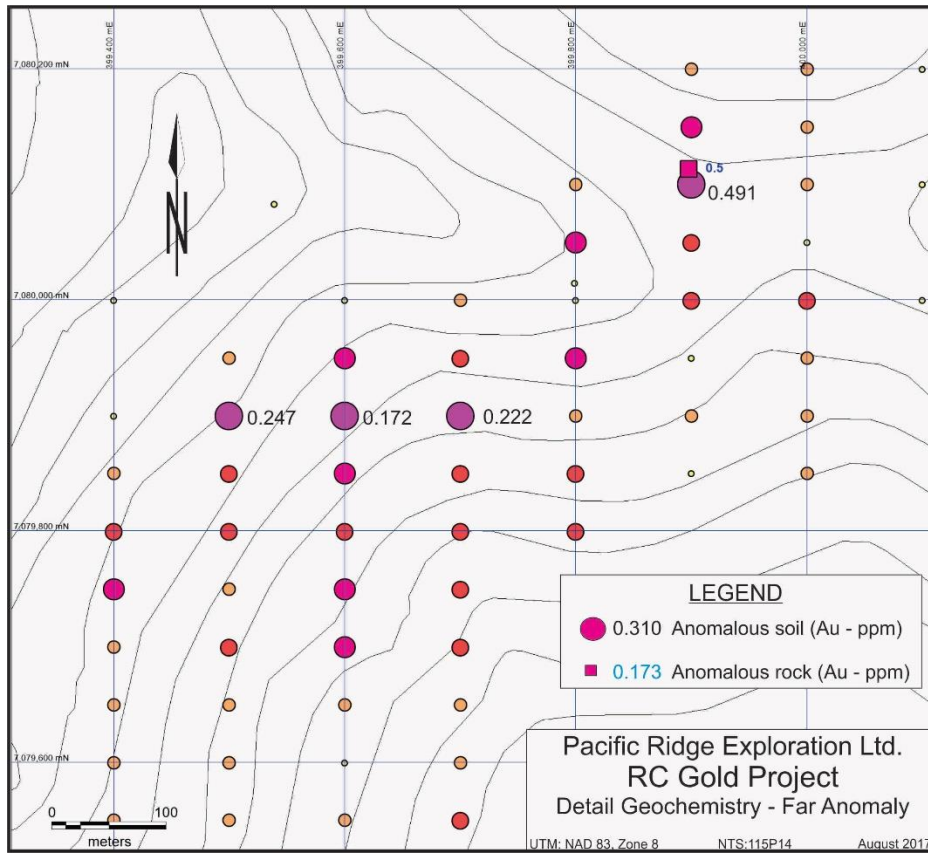


Figure 11. Detail gold rock and soil geochemistry, Far Anomaly.

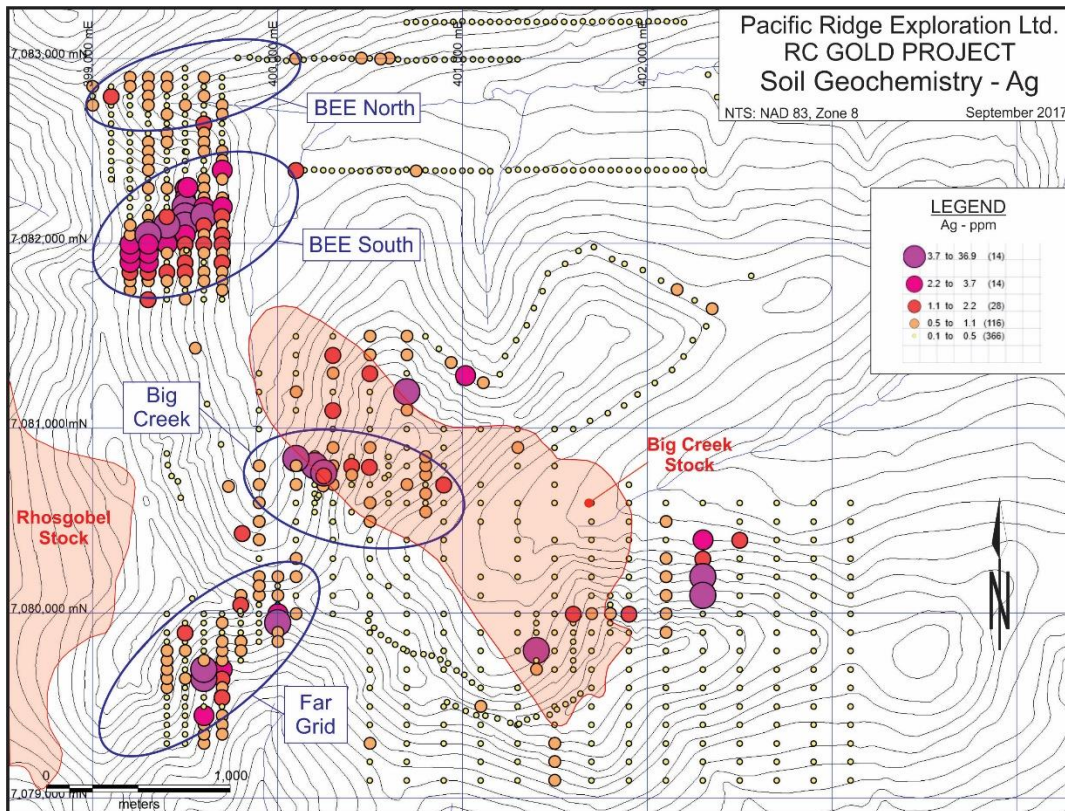


Figure 12. Soil geochemistry results – silver.



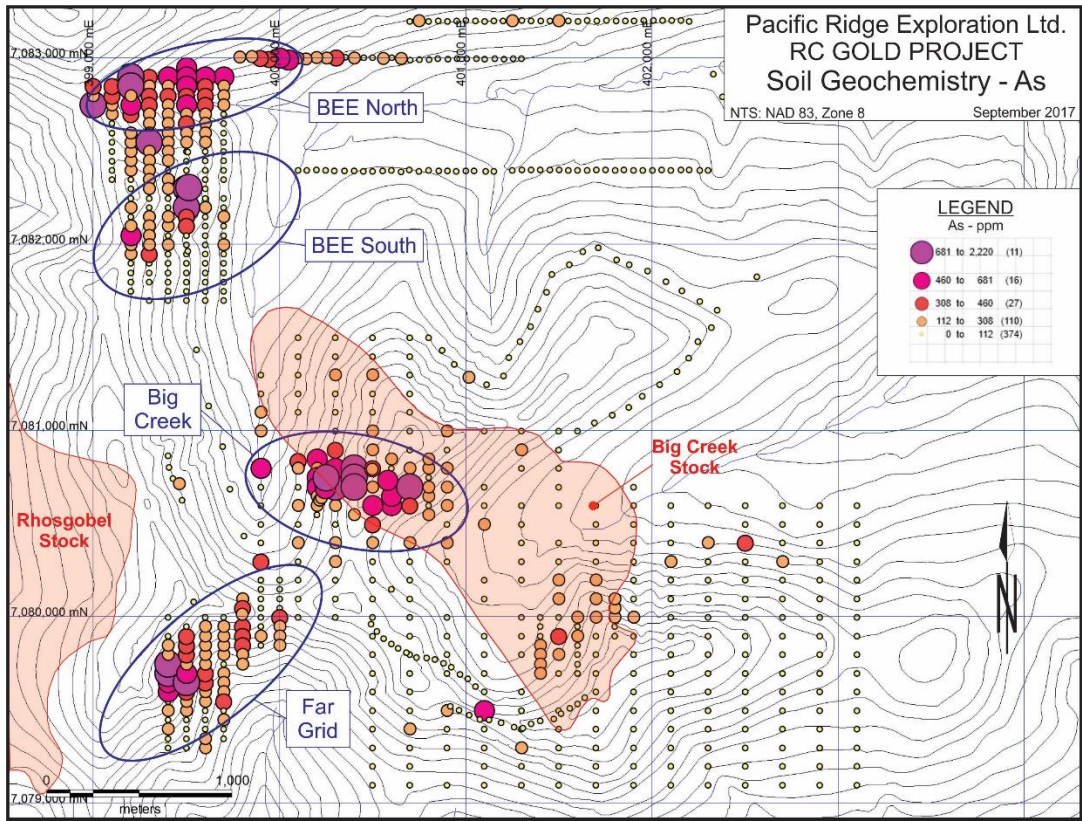


Figure 13. Soil geochemistry results – arsenic.

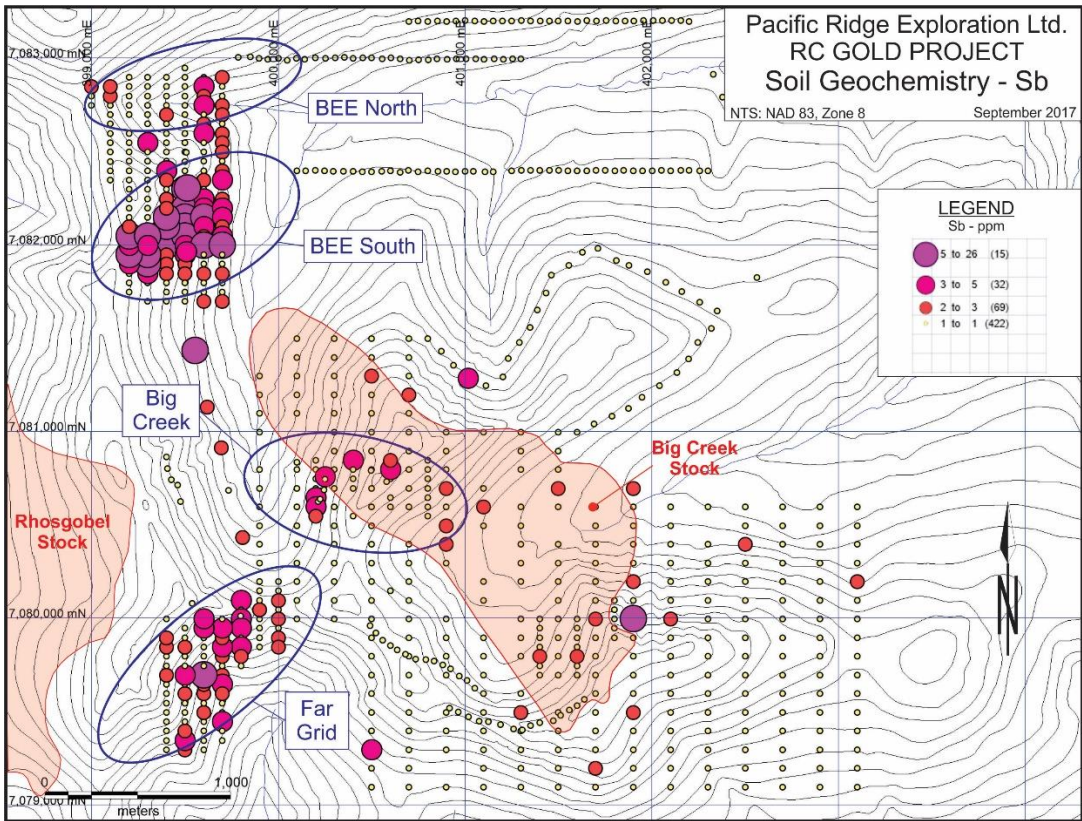


Figure 14. Soil geochemistry results – antimony.



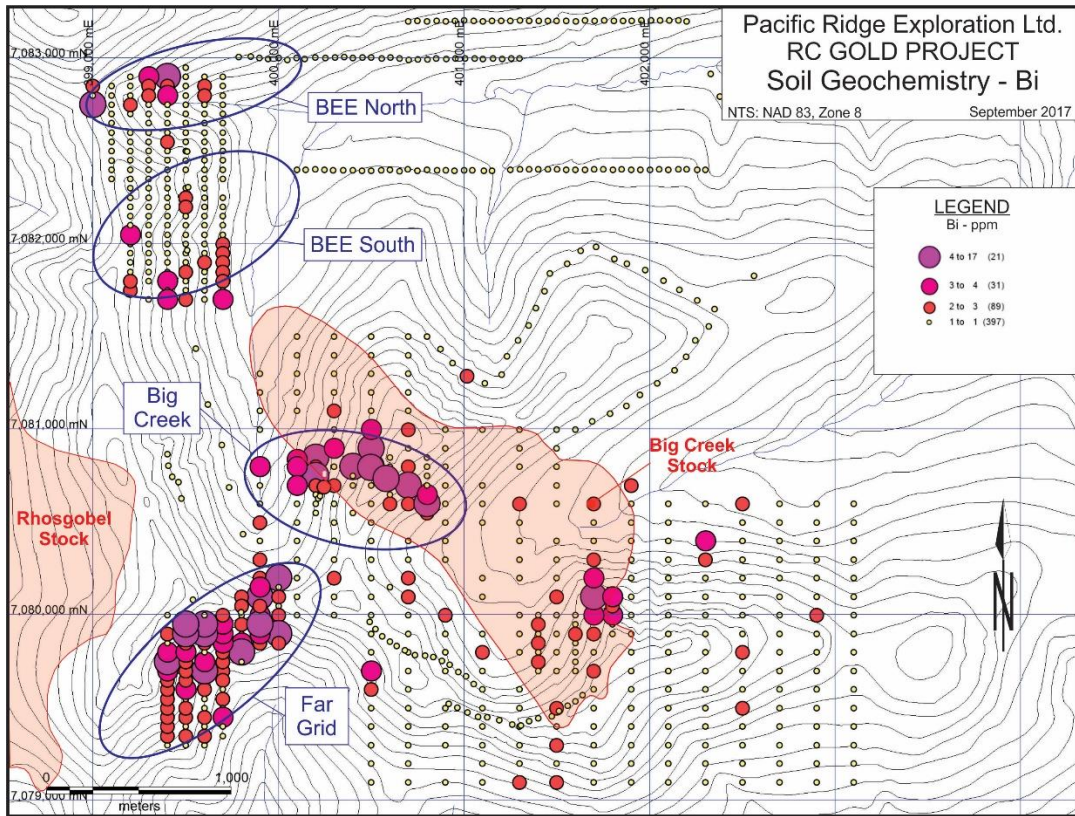


Figure 15. Soil geochemistry results – bismuth.

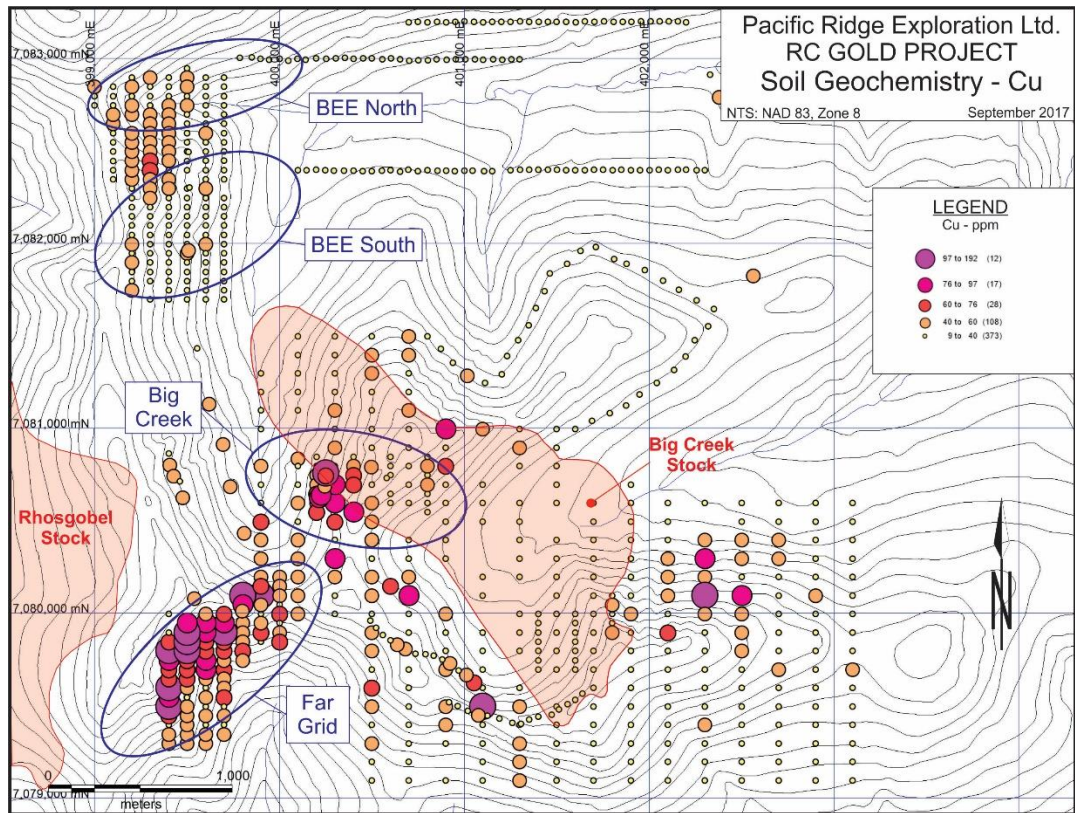


Figure 16. Soil geochemistry results – copper.



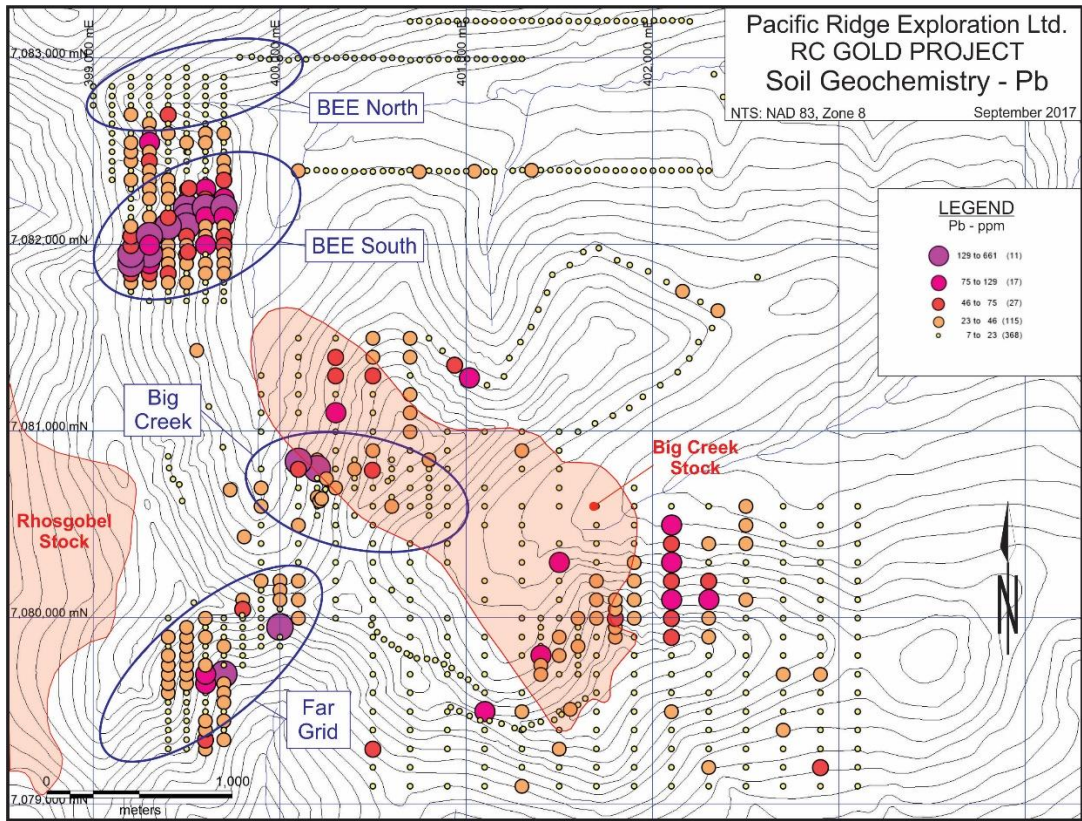


Figure 17. Soil geochemistry results – lead.

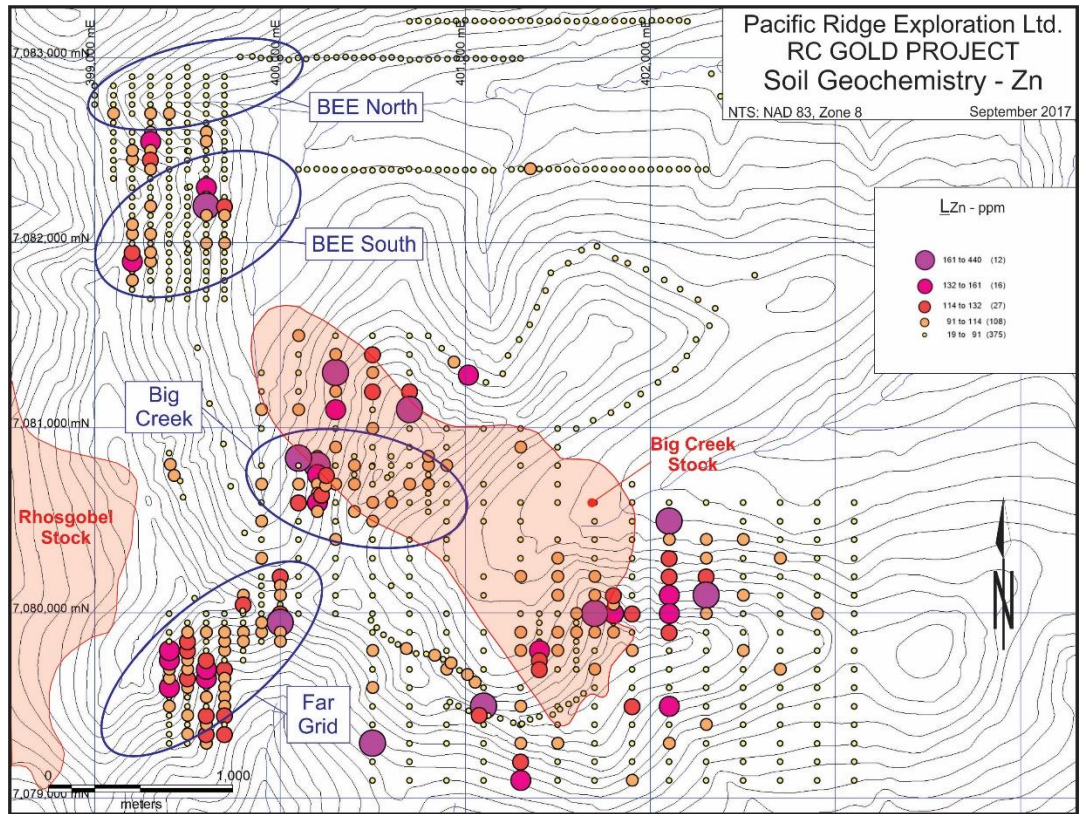
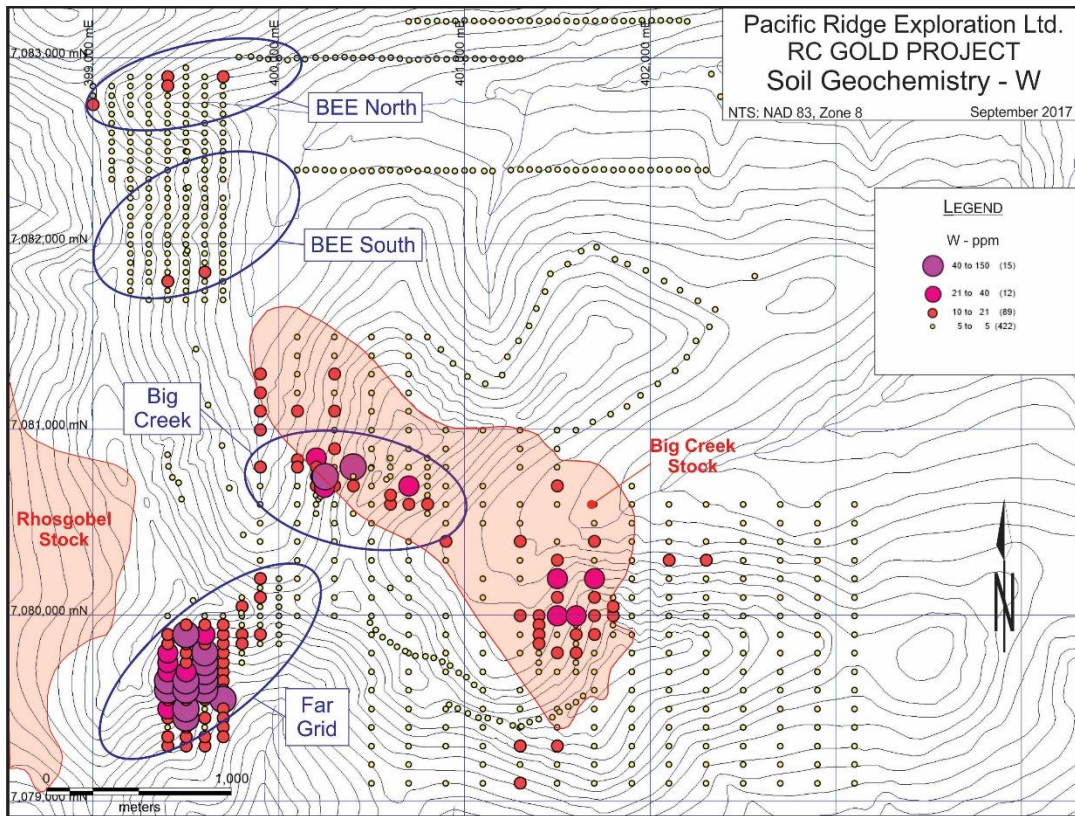


Figure 18. Soil geochemistry results – zinc.

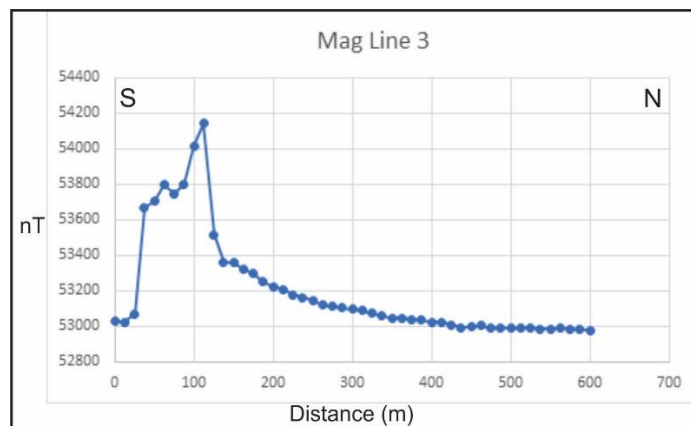




**Figure 19. Soil geochemistry results – tungsten.**

### ***Mag-VLF Survey***

Three short lines of 600 m to 950 m each (see Figure 4) were run over a magnetic anomaly in the southeastern corner of the Property that was originally defined by an airborne survey carried out by Newmont (Stammers, 1998). The survey confirmed the anomaly, with an amplitude of approximately 1,200 nT and a width of approximately 150 m. The anomaly is believed to be caused by a near surface, magnetite-bearing intrusive elongated in an east-west direction. No intrusive rocks or any other type of high magnetic susceptibility materials were observed in the survey area, likely due to heavy overburden cover. No anomalous metal values were encountered in the soil survey in this area.



**Figure 20. Typical magnetic profile (Line 3).**

## CONCLUSIONS

The 2017 RC Gold project exploration program successfully defined four strong targets for follow-up exploration.

The target at RC Gold is an Intrusion Related Gold deposit like Eagle Gold (Victoria Gold), Brewery Creek (Golden Predator) and Red Mountain in Yukon and Fort Knox, True North, Pogo and Donlin Creek in Alaska.

The Property lies within the Tombstone Gold Belt where Fort Knox style mineralization is known to be associated with Tombstone Suite intrusions (Hart, et.al., 2002). The headwaters of Clear Creek a historically significant placer gold bearing creek, and Big Creek drain from the property. Recent prospecting (Coe, 2017) has discovered gold mineralization in quartz veins related to the Big Creek Stock, within the Property. The Property is underlain by metasedimentary rocks of the Yusezyu Formation of the Upper Proterozoic to Cambrian Hyland Group. These have been intruded by the Tombstone-aged (Mid-Cretaceous) Big Creek diorite stock.

During the 2017 mapping program, quartz-arsenopyrite veining was observed in the Bee grid area. Three grab samples of quartz vein and breccia material from this area ran 0.317 gpt Su (with 4.6 gpt Ag and 3,383 ppm As), 0.511 gpt Au and 0.257 gpt Au (with 3,292 ppm As). A gossan area corresponding to a calc-silicate altered zone of limy metasedimentary rock occurs within the Big Creek stock (Big Creek Anomaly). A grab sample of rusty quartz breccia ran 3.6 gpt gold with 2.6 gpt Ag and 3,938 ppm As. A second grab of similar quartz breccia assayed 1.919 gpt Au with 3 gpt Ag and 769 ppm As.

The results of the soil survey, when combined with soil results over the BEE grid completed earlier by Mann (2015), defined four strong geochemical anomalies. The **BEE North Au-As-Sb-Bi** anomaly may be related to the nearby Contact Zone on the adjacent Clear Creek property. Three grab samples of vein material assayed 0.511 ppm Au, 0.257 ppm Au and 0.317 ppm Au. The **BEE South Au-Ag-Sb-Pb-As** anomaly is defined by four adjacent gold soil values ranging from 0.227 to 0.998 ppm Au. The linear nature of the anomaly suggests that this anomaly is reflecting the presence of a subcropping gold-silver vein or shear. The **Big Creek Au-As-Ag-Cu-W-Pb-Zn** anomaly appears to be related to rusty and altered quartz breccia related to pyrrhotite skarn. Gold values of 3.571 ppm and 1.919 ppm Au were returned from two grab samples. The **Far Grid Au-Bi-Cu-W-Ag-As-Sb** anomaly correlates with and extends a Au-As-Cu anomaly first defined by Thor Explorations (Lueck, 1995). The anomaly has a strike length of over 1 km and is immediately adjacent to the intrusive hosted Juno sheeted vein zone on the Clear Creek property drilled by Kennecott in 1995.

The four target areas have somewhat differing geochemical characteristics. The Far Grid gold anomaly, with bismuth, copper and tungsten as well as arsenic and antimony, suggests a proximal environment. This zone is close to the contact with the Rhosgobel Stock and it is also close to the Juno Zone, comprising sheeted vein mineralization within the intrusion. Due to the lack of outcrop, the source of the Far Grid anomaly is not known. The Big Creek anomaly is also proximal, occurring within the Big Creek Stock, however, it is associated at least in part with skarn-type mineralization. It has a similar signature, but is only weakly anomalous in bismuth and it also has anomalous silver. Bee North is intermediate: There are no nearby intrusions, but it does have moderately anomalous bismuth. A short distance away, BEE South has more of a distal signature, with silver and base metals.

## RECOMMENDATIONS

Further exploration work is clearly warranted. A Phase 1 program of detailed mapping, prospecting and sampling, including hand trenching, should be carried out over each of the four anomaly areas. The objective of this work would be to identify the source and style of mineralization. The portable XRF is a useful tool for providing immediate feedback on the presence of anomalous gold pathfinder elements.

Given successful results from the Phase 1 program, a Phase 2 drill program would be warranted.

## EXPENDITURES

The following table lists expenditures for the entire RC Gold project. Of the total, \$105,139.71 was spent on the BEE and RC claims while the remaining \$12,259.37 was spent on the adjoining BOP claims located in the Mayo Mining District.

**Table 3. Expenditure Summary**

<b>Company</b>	<b>Description</b>	<b>Amount</b>
Fox Exploration Ltd.	Labour, camp, supplies	\$ 75,121.64
JP Exploration Services Inc.	Geological mapping	\$ 4,636.80
G. Carlson - 14 days @ \$800/day	Supervision, mapping	\$ 11,200.00
Reflex Instrument North America Limited	Portable XRF rental	\$ 3,869.78
Thor Geo Science Rentals Ltd.	Mag/VLF rental	\$ 2,054.06
Total North Communications Ltd.	Satellite dish communications	\$ 1,542.19
ALS Canada Ltd.	Geochemical analysis	\$ 18,012.16
Bureau Veritas	Geochemical analysis	\$ 962.45
<b>TOTAL</b>		<b>\$ 117,399.08</b>

# CERTIFICATE OF QUALIFICATIONS

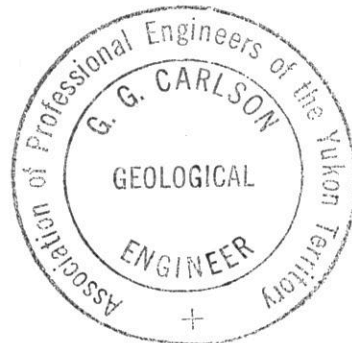
I, Gerald G. Carlson, hereby certify that:

1. I am a consulting mineral exploration geologist and President and CEO of Pacific Ridge Exploration Ltd., 11<sup>th</sup> Floor – 1111 Melville St., Vancouver, B.C. V6E 3V6.
2. I am a graduate of the University of Toronto, with a degree in Geological Engineering (B.A.Sc., 1969). I attended graduate school at Michigan Technological University (M.Sc., 1974) and Dartmouth College (Ph.D., 1978). I have been involved in geological mapping, mineral exploration and the management of mineral exploration companies continuously since 1969, except between 1972 and 1978 when I was in graduate studies in economic geology.
3. I am a member in good standing of the Association of Professional Engineers and Geoscientists of the Province of British Columbia, Registration No. 12513 and of the Association of Professional Engineers of Yukon, Registration No. 0198.
4. I am the author of this assessment report on the RC and BEE claims.
5. The report is based on a literature review, on private company reports and on the 2017 mapping and soil sampling program.
6. I am a Director and Officer of Pacific Ridge Exploration Ltd. and I own shares in the company.
7. I was personally involved in the planning, field work and interpretation of the exploration program discussed in this report.

**Dated at Vancouver, B.C. this 3<sup>rd</sup> day of October 2017,**



**Gerald G. Carlson, Ph.D., P. Eng.**





## REFERENCES CITED

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Stephens, J.R., Mair, J.L., Oliver, N.H.S., Hart, C.J.R, Baker, T, 2003: Structural and mechanical controls on intrusion-related deposits of the Tombstone Gold Belt, Yukon, Canada, with comparisons to other vein-hosted ore-deposit types; submitted to: Journal of Structural Geology.



# APPENDIX I

## RC and BEE Claims Claim List

Grant No,	Name	No.	Owner	Expiry	Years	New Expiry
YD61309	Bee	1	William Mann - 100%	16-Oct-20	4	16-Oct-24
YD61310	Bee	2	William Mann - 100%	16-Oct-20	4	16-Oct-24
YD61311	Bee	3	William Mann - 100%	16-Oct-20	4	16-Oct-24
YD61312	Bee	4	William Mann - 100%	16-Oct-20	4	16-Oct-24
YD61313	Bee	5	William Mann - 100%	16-Oct-20	4	16-Oct-24
YD61314	Bee	6	William Mann - 100%	16-Oct-20	4	16-Oct-24
YD61315	Bee	7	William Mann - 100%	16-Oct-20	4	16-Oct-24
YD61316	Bee	8	William Mann - 100%	16-Oct-20	4	16-Oct-24
YD61317	Bee	9	William Mann - 100%	16-Oct-19	4	16-Oct-24
YD61318	Bee	10	William Mann - 100%	16-Oct-19	4	16-Oct-24
YD61319	Bee	11	William Mann - 100%	16-Oct-19	4	16-Oct-24
YD61320	Bee	12	William Mann - 100%	16-Oct-19	4	16-Oct-24
YD61321	Bee	13	William Mann - 100%	16-Oct-19	4	16-Oct-24
YD61322	Bee	14	William Mann - 100%	16-Oct-19	4	16-Oct-24
YD61323	Bee	15	William Mann - 100%	16-Oct-19	4	16-Oct-24
YD61324	Bee	16	William Mann - 100%	16-Oct-19	4	16-Oct-24
YD61325	Bee	17	William Mann - 100%	16-Oct-19	4	16-Oct-24
YD61326	Bee	18	William Mann - 100%	16-Oct-19	4	16-Oct-24
YD61327	Bee	19	William Mann - 100%	16-Oct-19	4	16-Oct-24
YD61328	Bee	20	William Mann - 100%	16-Oct-19	4	16-Oct-24
YD61329	Bee	21	William Mann - 100%	16-Oct-19	4	16-Oct-24
YD61330	Bee	22	William Mann - 100%	16-Oct-19	4	16-Oct-24
YD61331	Bee	23	William Mann - 100%	16-Oct-19	4	16-Oct-24
YD61332	Bee	24	William Mann - 100%	16-Oct-19	4	16-Oct-24
YD86421	RC	1	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86422	RC	2	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86423	RC	3	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86424	RC	4	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86425	RC	5	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86426	RC	6	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86427	RC	7	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86428	RC	8	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86429	RC	9	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86430	RC	10	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86431	RC	11	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86432	RC	12	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86433	RC	13	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86434	RC	14	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86435	RC	15	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86436	RC	16	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86437	RC	17	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86438	RC	18	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86439	RC	19	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86440	RC	20	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86441	RC	21	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86442	RC	22	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22



Grant No,	Name	No.	Owner	Expiry	Years	New Expiry
YD86489	RC	69	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86490	RC	70	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86491	RC	71	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22
YD86492	RC	72	Fox Exploration Limited - 100%	29-Sep-17	5	29-Sep-22

**Total Claim Years**

**456**

# APPENDIX II

## XRF Soil Analysis Results









# APPENDIX III

## Laboratory Soil Sample Results Summary

Sample No.	EastN83Z8	NorthN83Z8	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	W (ppm)
422401	403100	7080600	0.003	0.1	10	1	1	18	9	51	5
422402	403100	7080500	0.0005	0.1	11	1	1	15	10	47	5
422403	403100	7080400	0.003	0.1	14	1	1	17	10	54	5
422404	403100	7080300	0.003	0.1	18	1	1	23	11	62	5
422405	403100	7080200	0.001	0.1	16	2	1	31	13	59	5
422406	403100	7080100	0.007	0.1	25	1	1	20	17	61	5
422407	403100	7080000	0.0005	0.1	28	1	1	20	15	59	5
422408	403100	7079900	0.002	0.1	24	1	1	20	15	59	5
422409	403100	7079800	0.007	0.1	19	1	1	24	20	56	5
422410	403100	7079700	0.001	0.1	28	1	1	54	17	68	5
422411	403100	7079600	0.002	0.1	20	1	1	28	15	66	5
422412	403100	7079500	0.004	0.1	32	1	1	22	13	62	5
422413	403100	7079400	0.006	0.1	19	1	1	21	13	63	5
422414	403100	7079300	0.002	0.1	17	1	1	16	11	53	5
422415	403100	7079200	0.002	0.1	22	1	1	16	13	52	5
422416	403100	7079100	0.014	0.1	57	1	1	19	15	61	5
422417	402700	7080600	0.003	0.1	20	1	1	23	10	55	5
422418	402700	7080500	0.003	0.1	20	1	1	22	12	51	5
422419	402700	7080400	0.001	0.1	49	1	1	43	13	43	5
422420	402700	7080300	0.013	0.1	193	1	1	53	22	92	5
422421	402700	7080200	0.005	0.1	21	1	1	39	15	88	5
422422	402700	7080100	0.008	0.1	19	1	1	38	14	84	5
422423	402700	7080000	0.006	0.1	15	1	1	37	16	79	5
422424	402700	7079900	0.005	0.1	34	1	1	30	14	68	5
422425	402700	7079800	0.0005	0.1	4	1	1	9	18	19	5
422426	402700	7079700	0.007	0.2	50	1	1	44	33	99	5
422427	402700	7079600	0.01	0.1	20	1	1	24	19	64	5
422428	402700	7079500	0.005	0.1	18	1	1	26	13	63	5
422429	402700	7079400	0.011	0.1	19	1	1	21	28	67	5
422430	402700	7079300	0.002	0.1	14	1	1	16	11	53	5
422431	402700	7079200	0.004	0.1	15	1	1	16	10	51	5
422432	402700	7079100	0.004	0.1	44	1	1	18	16	62	5
422433	401300	7080800	0.003	0.1	30	1	1	17	10	64	5

Sample No.	EastN83Z8	NorthN83Z8	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	W (ppm)
422434	401300	7080900	0.009	0.8	117	1	1	42	25	96	5
422435	401300	7081000	0.005	0.1	32	1	1	24	14	72	5
422436	401500	7081000	0.004	0.1	34	1	1	27	16	71	5
422437	401500	7080900	0.002	0.1	21	1	1	17	11	54	5
422438	401500	7080800	0.002	0.1	21	1	1	16	10	53	5
422439	401500	7080700	0.004	0.2	45	2	1	16	11	60	10
422440	401100	7079100	0.008	0.1	42	1	1	35	13	83	5
422441	401100	7079200	0.018	0.1	57	1	1	36	13	76	5
422442	401100	7079300	0.011	0.2	41	1	1	36	12	82	5
422443	401100	7079400	0.005	0.1	47	1	1	33	14	70	5
422444	400900	7079500	0.015	0.1	120	1	1	41	14	84	5
422445	400900	7079400	0.007	0.1	43	1	1	40	11	85	5
422446	400900	7079300	0.013	0.1	50	1	1	38	16	90	5
422447	400900	7079100	0.008	0.1	37	1	1	32	12	80	5
422448	401800	7079900	0.003	0.1	23	1	1	42	27	107	5
422449	401800	7079950	0.017	0.1	22	1	1	20	23	78	5
422450	401800	7080000	0.061	0.6	145	1	3	24	47	135	10
422451	402900	7080600	0.005	0.1	12	1	1	11	10	38	5
422452	402900	7080500	0.005	0.1	38	1	1	27	15	74	5
422453	402900	7080400	0.007	0.1	45	1	1	26	13	77	5
422454	402900	7080300	0.019	0.1	43	1	1	30	14	78	5
422455	402900	7080200	0.004	0.1	43	1	1	38	18	86	5
422456	402900	7080100	0.015	0.1	93	1	1	42	18	86	5
422457	402900	7080000	0.004	0.1	30	1	2	39	22	94	5
422458	402900	7079900	0.01	0.1	17	1	1	28	17	54	5
422459	402900	7079800	0.003	0.1	14	1	1	21	14	67	5
422460	402900	7079700	0.003	0.2	29	1	1	28	24	63	5
422461	402900	7079600	0.0005	0.3	26	1	1	13	12	39	5
422462	402900	7079500	0.0005	0.2	29	1	1	17	15	58	5
422463	402900	7079400	0.002	0.2	25	1	1	15	12	56	5
422464	402900	7079300	0.012	0.1	53	1	1	21	14	55	5
422465	402900	7079200	0.003	0.4	31	1	1	14	53	40	5
422466	402900	7079100	0.002	0.2	28	1	1	14	13	47	5

Sample No.	EastN83Z8	NorthN83Z8	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	W (ppm)
422467	402500	7080600	0.006	0.3	48	1	2	36	28	88	5
422468	402500	7080500	0.004	0.4	51	1	1	36	31	90	5
422469	402500	7080400	0.02	1.1	391	2	1	45	37	99	5
422470	402500	7080300	0.008	0.2	64	1	1	41	19	88	5
422471	402500	7080200	0.013	0.2	34	1	1	38	14	62	5
422472	402500	7080100	0.007	0.1	109	1	1	84	27	93	5
422473	402500	7080000	0.017	0.1	20	1	1	41	12	80	5
422474	402500	7079900	0.008	0.3	21	1	1	49	19	86	5
422475	402500	7079800	0.016	0.2	37	1	2	49	22	96	5
422476	402500	7079700	0.006	0.2	8	1	1	19	10	43	5
422477	402500	7079600	0.003	0.4	9	1	1	14	8	29	5
422479	402500	7079500	0.006	0.3	15	1	2	17	11	47	5
422480	402500	7079400	0.005	0.2	23	1	1	21	14	63	5
422481	402500	7079300	0.002	0.2	16	1	1	17	14	53	5
422482	402500	7079200	0.002	0.2	20	1	1	15	14	56	5
422483	402500	7079100	0.015	0.1	62	1	1	21	13	62	5
422484	399380	7077729	0.017	0.3	55	2	1	37	21	91	10
422485	399426	7077730	0.013	0.2	77	2	3	34	38	79	5
422486	399467	7077777	0.007	0.2	53	1	2	26	46	63	10
422487	399492	7077824	0.132	1.3	1145	1	9	192	45	206	150
422488	399550	7077863	0.005	0.1	22	1	2	34	25	92	5
422489	399595	7077863	0.003	0.1	15	1	1	28	13	74	5
422490	402100	7080600	0.003	0.1	16	1	1	10	16	56	5
422491	402100	7080500	0.008	0.8	54	1	1	33	108	161	5
422492	402100	7080400	0.006	0.4	35	1	1	25	55	96	5
422493	402100	7080300	0.016	0.6	132	1	1	51	84	121	10
422494	402100	7080200	0.006	0.6	39	1	1	46	57	116	5
422495	402100	7080100	0.018	0.7	39	1	1	58	119	144	5
422496	402100	7080000	0.011	0.6	76	2	1	38	71	143	5
422497	402100	7079900	0.015	0.7	74	1	1	60	61	121	5
422498	402100	7079800	0.025	0.1	16	1	1	25	12	66	5
422499	402100	7079700	0.02	0.1	16	1	1	25	15	77	5
422500	402100	7079600	0.012	0.2	14	1	1	33	20	79	5

Sample No.	EastN83Z8	NorthN83Z8	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	W (ppm)
422501	402100	7079500	0.013	0.2	19	1	1	29	37	135	5
422502	402100	7079400	0.013	0.2	17	1	1	30	19	88	5
422503	402100	7079300	0.008	0.2	15	1	1	27	14	96	5
422504	402100	7079200	0.008	0.2	18	1	1	16	13	57	5
422505	402100	7079100	0.008	0.2	19	1	1	16	11	55	5
422506	401700	7079100	0.046	0.1	22	1	1	37	13	88	5
422507	401700	7079200	0.012	0.1	15	2	1	22	11	76	5
422508	401700	7079300	0.011	0.1	18	1	1	22	11	85	5
422509	401700	7079400	0.005	0.1	13	1	1	19	9	67	5
422510	401700	7079500	0.005	0.2	41	1	1	20	14	77	5
422511	401700	7079600	0.018	0.1	18	1	1	23	10	73	5
422512	401700	7079700	0.0005	0.2	24	1	2	18	18	95	5
422513	401500	7079400	0.01	0.1	13	1	1	13	11	78	5
422514	401500	7079300	0.04	0.5	48	1	2	29	39	105	10
422515	401500	7079200	0.007	0.7	87	1	1	21	15	89	5
422516	401500	7079100	0.002	0.5	88	1	2	34	17	90	5
422517	401700	7079800	0.0005	0.2	5	1	1	16	10	26	5
422518	401700	7079900	0.047	0.2	62	1	2	22	17	98	20
422519	401700	7080000	0.273	1	232	2	3	35	45	176	10
422520	401700	7080100	0.16	0.4	131	1	4	17	29	109	10
422521	401700	7080200	0.086	0.4	129	1	3	12	24	94	30
422522	401700	7080300	0.009	0.1	15	1	2	23	8	46	5
422523	401700	7080400	0.02	0.1	93	1	1	19	13	82	10
422524	401500	7079500	0.011	0.2	41	1	2	14	16	80	5
422525	401500	7079700	0.0005	0.1	6	1	1	20	10	43	5
422526	401500	7079800	0.027	0.4	290	1	1	19	24	91	20
422527	401500	7079900	0.059	0.4	415	1	1	25	25	100	5
422528	401500	7080000	0.033	0.3	66	1	1	18	13	88	30
422529	401500	7080100	0.064	0.2	150	1	2	17	15	95	20
422530	401500	7080200	0.044	0.3	151	1	1	17	15	108	30
422531	401500	7080300	0.023	0.4	94	1	1	22	92	113	20
422532	401500	7080400	0.007	0.2	53	1	1	21	14	81	5
422533	401500	7080600	0.006	0.3	67	1	1	17	11	55	5

Sample No.	EastN83Z8	NorthN83Z8	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	W (ppm)
422534	401700	7080600	0.01	0.4	45	1	2	9	10	51	5
422535	401700	7080500	0.005	0.4	56	1	1	15	9	54	5
422536	401600	7079700	NSS	0.1	7	1	1	14	9	32	5
422537	401600	7079750	0.007	0.1	5	1	1	13	7	27	5
422538	401600	7079800	0.0005	0.2	10	2	1	18	12	36	10
422539	401600	7079850	0.014	0.3	66	1	1	19	25	66	5
422540	401600	7079900	0.033	0.2	269	1	2	26	20	94	10
422541	401600	7079950	NSS	0.1	14	1	1	12	8	32	5
422542	401600	7080000	0.079	1.1	160	1	1	19	25	96	30
422543	400700	7081500	0.004	0.5	33	1	1	51	26	76	5
422544	400700	7081400	0.014	0.7	101	1	1	42	37	88	5
422545	400700	7081300	0.001	0.2	29	1	1	38	20	63	5
422546	400700	7081200	0.013	3.9	87	2	1	39	43	118	5
422547	400700	7081100	0.009	0.5	96	1	1	51	23	161	5
422548	400700	7081000	NSS	0.2	13	1	2	21	23	68	5
422549	400700	7080900	0.003	0.1	55	1	1	22	9	70	5
422550	400700	7080800	0.024	0.2	177	1	2	28	15	87	5
422551	402300	7080600	0.007	0.3	65	1	1	24	19	70	5
422552	402300	7080400	0.046	2.4	123	1	3	57	32	113	5
422553	402300	7080300	0.101	1.1	55	1	2	77	22	93	10
422554	402300	7080200	0.008	3.7	54	1	1	49	74	120	5
422555	402300	7080100	0.011	3.8	47	1	1	97	77	196	5
422556	402300	7080000	0.011	0.3	31	1	1	41	35	92	5
422557	402300	7079900	0.01	0.2	42	1	1	39	24	87	5
422558	402300	7079800	0.006	0.1	18	1	1	18	19	66	5
422559	402300	7079700	0.003	0.1	14	1	1	17	14	50	5
422560	402300	7079600	0.017	0.2	24	1	1	36	21	85	5
422561	402300	7079500	0.009	0.3	16	1	1	26	14	64	5
422562	402300	7079400	0.007	0.3	27	1	1	41	19	92	5
422563	402300	7079300	0.004	0.1	21	1	1	22	15	65	5
422564	402300	7079200	0.005	0.1	15	1	1	20	23	58	5
422565	402300	7079100	0.009	0.1	14	1	1	29	12	52	5
422566	401900	7079100	0.002	0.4	26	1	1	25	12	107	5

Sample No.	EastN83Z8	NorthN83Z8	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	W (ppm)
422567	401900	7079200	0.003	0.1	20	1	1	17	14	59	5
422568	401900	7079300	0.014	0.2	15	1	1	19	12	60	5
422569	401900	7079400	0.01	0.2	17	1	1	23	14	79	5
422570	401900	7079500	0.011	0.1	22	2	1	26	17	118	5
422571	401900	7079600	0.015	0.1	18	1	1	20	14	69	5
422572	401900	7079700	0.012	0.1	27	1	1	18	9	69	5
422573	401900	7079800	0.02	0.3	69	1	1	34	19	103	5
422574	401900	7079900	0.0005	0.2	30	1	1	24	16	83	5
422575	401900	7080000	0.016	1.6	164	8	1	51	37	115	5
422576	401900	7080100	0.011	0.2	32	1	1	31	40	80	5
422577	401900	7080200	0.002	0.2	40	2	1	33	38	85	5
422578	401900	7080300	0.008	0.4	45	1	1	34	23	84	5
422579	401900	7080400	0.02	0.3	64	1	1	25	21	76	5
422580	401900	7080500	0.0005	0.1	13	1	1	12	11	55	5
422581	401900	7080600	0.007	0.4	63	1	1	24	15	79	5
422582	401900	7080700	0.002	0.2	28	2	2	16	8	52	5
422583	401300	7079100	0.015	0.4	72	1	2	44	33	140	10
422584	401300	7079200	0.008	0.3	59	1	1	41	17	114	5
422585	401300	7079300	0.014	0.3	131	1	1	59	19	95	10
422586	401300	7079400	0.028	0.1	17	1	1	32	11	75	5
422587	401300	7079500	0.004	0.2	76	2	1	52	27	95	5
422588	401300	7079600	0.0005	0.1	15	1	1	16	9	33	5
422589	401300	7079800	0.018	0.2	82	1	1	28	12	91	5
422590	401300	7079900	0.012	0.1	52	1	1	24	12	97	5
422591	401300	7080000	0.013	0.2	55	1	1	23	16	67	10
422592	401300	7080200	0.008	0.2	107	1	1	27	19	92	5
422593	401300	7080300	0.006	0.1	67	1	1	26	16	85	5
422594	401300	7080400	0.007	0.2	86	1	1	21	9	58	10
422595	401300	7080500	0.013	0.2	110	1	1	12	8	50	5
422596	401300	7080600	0.007	0.3	110	1	2	26	12	64	5
422597	400700	7079100	0.005	0.1	29	1	1	17	15	63	5
422598	400700	7079200	0.013	0.2	51	1	1	36	17	90	5
422599	400700	7079300	0.008	0.2	50	1	1	35	12	58	5

Sample No.	EastN83Z8	NorthN83Z8	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	W (ppm)
422600	400700	7079400	0.011	0.3	133	1	1	37	20	82	5
422601	400700	7079500	0.001	0.1	17	1	1	36	17	67	5
422602	400700	7079600	0.005	0.1	25	1	1	23	10	52	5
422603	400700	7079700	0.025	0.1	34	1	1	24	18	63	5
422604	400500	7079900	0.002	0.1	8	1	1	44	9	65	5
422605	400500	7079800	0.005	0.1	26	1	1	48	14	93	5
422606	400500	7079700	0.01	0.2	40	1	3	38	19	74	5
422607	400500	7079600	0.03	0.2	50	1	2	73	21	110	5
422608	400500	7079500	0.031	0.2	35	1	1	54	15	75	5
422609	400500	7079400	0.019	0.3	51	1	1	38	13	80	5
422610	400500	7079300	0.028	0.8	70	3	1	40	47	298	5
422611	400500	7079200	0.014	0.2	23	1	1	35	13	75	5
422612	400500	7079100	0.015	0.3	26	1	1	31	16	84	5
422613	401400	7080000	0.013	0.1	68	1	1	18	12	74	10
422614	401400	7079950	0.009	0.1	109	1	2	15	12	63	20
422615	401400	7079900	0.007	0.1	63	1	1	17	13	77	10
422616	401400	7079850	0.025	0.3	171	1	2	19	18	84	20
422617	401400	7079800	0.014	6.2	230	2	1	19	128	153	5
422618	401400	7079750	0.016	0.4	226	1	2	33	26	118	5
422619	401400	7079700	0.017	0.5	113	1	1	27	44	123	5
422620	401100	7079500	0.022	0.7	470	1	1	108	88	202	5
422621	401100	7079600	0.0005	0.2	28	1	1	30	13	46	5
422622	401100	7079700	0.0005	0.1	10	1	1	18	9	35	5
422623	401100	7079800	0.01	0.1	51	1	2	29	14	72	5
422624	401100	7079900	0.011	0.1	19	1	1	28	9	73	5
422625	401100	7080100	0.005	0.1	37	1	1	26	19	71	5
422626	400900	7079700	0.009	0.2	33	1	1	58	18	107	5
422627	400900	7079800	0.019	0.1	99	1	1	37	18	86	5
422628	400900	7079900	0.022	0.1	50	1	1	38	15	84	5
422629	400900	7080000	0.018	0.1	82	1	2	42	11	78	5
422630	400900	7080300	0.008	0.2	33	1	1	35	13	66	5
422631	400900	7080400	0.013	0.1	186	2	1	23	15	71	10
422632	400900	7080500	0.007	0.1	101	2	1	16	12	63	5



Sample No.	EastN83Z8	NorthN83Z8	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	W (ppm)
422633	400900	7080600	0.011	0.2	197	1	1	32	14	85	5
422634	400900	7080700	0.012	1.7	160	2	1	22	13	42	5
422635	400900	7080800	0.015	0.2	211	1	1	61	15	95	5
422636	400900	7080900	0.005	0.1	43	1	1	19	10	70	5
422637	400900	7081000	0.032	0.2	256	1	1	83	15	90	5
422638	401100	7080700	0.004	0.1	73	1	1	23	11	64	5
422639	401100	7080600	0.002	0.1	56	2	1	19	14	52	5
422640	401100	7080500	0.01	0.1	281	1	1	27	15	76	5
422641	401100	7080200	0.004	0.1	21	1	1	21	9	61	5
422642	400700	7080000	0.002	0.1	31	1	1	29	10	71	5
422643	400700	7079800	0.003	0.1	53	1	1	33	17	75	5
422644	400600	7080600	0.044	0.4	676	1	2	27	24	96	10
422645	400600	7080650	0.026	0.3	497	1	1	24	18	85	10
422646	400600	7080750	0.026	0.1	101	1	1	16	11	53	5
422647	400600	7080800	0.001	0.1	22	3	1	19	9	73	5
422648	400600	7080850	0.011	0.1	112	2	1	25	9	76	5
422649	400400	7080850	0.015	0.1	109	4	1	18	15	83	5
422650	401100	7081000	0.012	0.1	41	1	1	46	11	75	5
422651	401800	7080050	0.086	0.3	215	1	2	41	23	100	20
422652	401800	7080100	0.068	0.3	156	1	3	21	40	115	5
422653	400200	7080850	0.076	0.7	531	1	4	34	28	92	30
422654	400200	7080800	0.025	9.3	235	1	2	38	245	440	10
422655	400200	7080750	0.054	0.4	538	1	5	51	16	147	20
422656	400200	7080700	0.039	0.3	530	1	2	54	18	111	10
422657	400200	7080650	0.006	0.3	186	3	1	65	26	111	5
422658	400200	7080600	0.011	0.2	144	3	1	51	22	137	5
422659	400200	7080550	0.009	0.2	103	2	1	72	14	107	5
422660	399900	7081300	0.005	0.1	63	1	1	18	21	71	10
422661	399900	7081200	0.01	0.2	76	1	1	26	17	83	10
422662	399900	7081100	0.012	0.3	124	1	1	27	18	93	10
422663	399900	7081000	0.017	0.3	245	1	1	30	19	82	10
422664	399900	7080800	0.028	0.6	463	1	3	40	19	80	20
422665	399900	7080700	0.009	0.6	82	1	1	38	24	104	5

Sample No.	EastN83Z8	NorthN83Z8	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	W (ppm)
422666	399900	7080600	0.015	0.7	57	1	1	29	32	77	5
422667	399900	7080500	0.041	0.8	64	1	2	61	21	101	5
422668	399900	7080400	0.025	0.5	98	1	1	46	16	84	5
422669	399900	7080300	0.041	0.2	362	1	2	55	15	99	5
422670	399900	7080200	0.048	0.8	69	1	2	56	25	82	10
422671	399900	7080100	0.491	0.8	72	1	7	107	18	86	20
422672	399900	7080000	0.073	0.2	21	1	3	38	11	66	5
422673	400100	7080000	0.009	0.6	100	1	1	53	24	89	5
422674	400100	7080100	0.007	0.4	104	1	1	50	25	89	5
422675	400100	7080200	0.005	0.5	52	1	1	53	24	87	5
422676	400100	7080300	0.011	0.5	38	1	1	43	17	82	5
422677	400100	7080400	0.052	0.4	129	1	1	47	17	79	5
422678	399400	7082050	0.011	0.6	85	1	1	20	32	70	5
422679	399400	7082000	0.013	2.2	136	5	1	35	36	82	5
422680	399400	7081950	0.018	0.7	23	2	1	35	38	81	5
422681	399400	7081900	0.025	0.3	23	2	1	27	26	69	5
422682	399400	7081850	0.003	1.5	53	2	1	21	58	70	5
422683	399400	7081800	0.048	0.8	39	1	3	35	24	70	10
422684	399400	7081750	0.004	0.2	21	1	1	20	18	70	5
422685	399400	7081700	0.021	0.4	21	1	3	25	22	53	5
422686	399300	7081700	0.006	1.5	25	1	1	26	15	45	5
422687	399300	7081800	0.006	0.7	58	1	1	24	30	63	5
422688	399300	7081850	0.004	2.1	42	3	1	24	49	66	5
422689	399300	7081900	0.001	2.3	49	5	1	35	110	110	5
422690	399300	7081950	0.047	3.1	376	12	1	36	160	108	5
422727	401811	7081919	0.004	0.2	23	1	1	32	15	66	5
422728	401878	7081893	0.007	0.2	35	1	1	35	18	80	5
424751	400700	7080700	0.156	0.5	1055	1	8	38	18	92	30
424752	400700	7080600	0.04	0.1	338	1	2	24	15	73	20
424754	400700	7080400	0.009	0.4	163	1	1	22	12	47	5
424755	400700	7080300	0.016	0.1	69	1	1	34	12	67	5
424756	400700	7080200	0.01	0.1	24	1	2	54	11	67	5
424757	400700	7080100	0.031	0.4	64	1	2	80	18	85	5

Sample No.	EastN83Z8	NorthN83Z8	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	W (ppm)
424758	400700	7079900	0.002	0.1	24	1	1	30	14	64	5
424759	400800	7080550	0.034	0.6	179	1	2	30	14	88	5
424760	400800	7080600	0.042	0.1	73	1	8	22	12	69	10
424761	400800	7080650	0.059	0.5	165	1	3	26	14	79	5
424762	400800	7080700	0.017	0.1	197	1	1	40	18	96	5
424763	400800	7080750	0.007	0.9	88	1	1	25	13	45	5
424764	400800	7080800	0.015	0.5	209	1	1	41	22	92	5
424765	400800	7080850	0.015	0.8	146	1	1	39	32	92	5
424766	400400	7080550	0.03	0.1	156	1	1	79	15	94	5
424767	400300	7080000	0.001	0.2	18	1	1	21	11	45	5
424768	400300	7080100	0.002	0.2	12	1	1	32	16	49	5
424769	400300	7080200	0.007	0.3	20	1	2	40	11	53	5
424770	400300	7080300	0.082	0.3	140	1	1	76	19	69	5
424771	400300	7080400	0.024	0.4	187	1	1	29	19	96	5
424772	400300	7080500	0.022	0.3	74	1	1	63	12	84	5
424773	400300	7080600	0.011	0.4	183	1	1	92	15	89	5
424774	400300	7080700	0.018	0.7	765	1	2	78	23	104	10
424775	400300	7080800	0.008	0.5	466	1	1	37	19	68	5
424776	400300	7080900	0.031	0.6	357	1	3	55	22	97	10
424777	400300	7081000	0.001	0.1	14	1	1	15	8	29	5
424778	400300	7081100	0.012	2.1	110	1	2	42	77	133	10
424779	400300	7081200	0.013	0.3	96	1	1	23	22	104	5
424780	400300	7081300	0.016	0.9	160	1	1	30	64	170	10
424781	400300	7081400	0.013	1.5	59	1	1	38	50	109	5
424782	400300	7081500	0.005	0.3	31	1	1	24	19	51	5
424783	400100	7081500	0.002	0.1	21	1	1	19	11	91	5
424784	400100	7081400	0.001	0.1	21	1	1	15	13	68	5
424785	400100	7081300	0.011	0.4	41	1	1	28	21	88	5
424786	399500	7082300	0.717	2.8	763	6	1	25	40	47	5
424787	399500	7082250	0.227	2.3	466	2	2	16	61	38	5
424788	399500	7082200	0.998	4.4	1200	7	2	16	139	48	5
424789	399500	7082150	0.106	6.2	442	26	1	15	338	45	5
424790	399500	7082100	0.103	9.7	324	14	1	19	249	81	5

Sample No.	EastN83Z8	NorthN83Z8	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	W (ppm)
424791	399500	7082050	0.018	2.2	75	5	1	19	61	70	5
424792	400100	7081200	0.049	0.5	48	1	1	27	17	86	5
424793	399500	7082000	0.01	1.4	56	3	1	22	43	72	5
424794	399500	7081950	0.008	0.7	31	3	1	43	49	84	5
424795	399500	7081900	0.006	1.5	29	2	1	30	32	53	5
424796	399500	7081850	0.009	1.6	18	2	2	20	20	46	5
424797	399500	7081800	0.008	0.5	24	1	1	23	24	71	5
424798	399500	7081750	0.002	0.3	15	1	1	18	14	51	5
424799	399500	7081700	0.01	0.6	25	1	2	21	16	55	5
424800	399400	7082100	0.037	8.7	152	15	1	22	153	39	5
424801	400400	7080800	0.302	1.8	2220	1	17	58	37	98	40
424802	400400	7080750	0.012	0.5	1045	1	1	72	16	68	5
424803	400400	7080700	0.032	0.4	1375	1	1	67	16	109	10
424804	400500	7080000	0.003	0.1	20	1	1	21	12	74	5
424805	400500	7080100	0.006	0.2	24	1	1	41	12	75	5
424806	400500	7080200	0.01	0.2	24	1	1	40	11	63	5
424807	400500	7080300	0.018	0.2	34	1	1	35	13	66	5
424808	400500	7080400	0.034	0.3	303	1	1	54	21	89	5
424809	400500	7080500	0.048	0.5	454	1	1	47	21	97	5
424810	400500	7080600	0.011	0.5	520	1	1	49	15	100	5
424811	400500	7080700	0.015	0.3	113	1	1	30	16	90	5
424812	400500	7080800	0.01	0.6	344	1	4	22	18	81	5
424813	400500	7080900	0.055	0.6	190	1	4	28	26	90	5
424814	400500	7081000	0.015	0.3	167	1	3	26	17	95	5
424815	400500	7081100	0.01	0.1	56	1	1	21	14	81	5
424816	400500	7081200	0.012	0.2	85	1	1	37	18	119	5
424817	400500	7081300	0.035	1.2	204	2	1	42	67	93	5
424818	400500	7081400	0.018	0.8	106	1	1	47	32	116	5
424819	400500	7081500	0.03	0.5	104	1	1	36	31	84	5
424820	400100	7081100	0.011	0.2	46	1	1	27	17	91	10
424821	400100	7080840	0.059	36.9	310	1	3	47	661	282	10
424822	400100	7080800	0.012	0.9	112	1	3	21	60	90	10
424823	400100	7080700	0.013	0.5	56	1	3	30	15	111	5



Sample No.	EastN83Z8	NorthN83Z8	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	W (ppm)
424824	400100	7080600	0.015	0.2	118	1	1	43	20	119	5
424825	400100	7080500	0.006	0.3	35	1	1	15	33	52	5
424826	399400	7082900	0.017	0.8	503	1	4	38	11	51	20
424827	399400	7082850	0.02	1	275	1	2	31	7	32	10
424828	399400	7082800	0.033	0.4	336	1	3	23	13	55	5
424829	399400	7082750	0.019	0.4	253	1	1	41	18	78	5
424830	399400	7082700	0.01	0.5	301	2	1	42	53	94	5
424831	399400	7082650	0.006	0.3	112	1	1	43	22	87	5
424832	399400	7082600	0.01	0.8	190	1	1	47	31	88	5
424833	399400	7082550	0.007	0.5	226	1	2	49	19	80	5
424834	399400	7082500	0.006	0.3	173	1	1	41	18	72	5
424835	399400	7082450	0.008	0.4	140	1	1	40	17	68	5
424836	399400	7082400	0.001	0.2	86	3	1	25	19	70	5
424837	399400	7082350	0.055	0.3	294	2	1	46	25	79	5
424838	399400	7082300	0.006	0.5	240	1	1	44	34	86	5
424839	399400	7082250	0.002	0.2	61	2	1	23	23	64	5
424840	399700	7082900	0.106	0.3	490	2	1	28	10	63	10
424841	399700	7082850	0.022	0.2	294	1	1	22	9	58	5
424842	399700	7082800	0.008	0.1	206	1	1	18	9	45	5
424843	399700	7082750	0.019	0.6	281	2	1	33	15	63	5
424844	399700	7082700	0.017	0.5	106	2	1	26	17	73	5
424845	399700	7082650	0.017	0.3	82	1	1	23	17	71	5
424846	399700	7082600	0.012	0.3	103	2	1	27	24	70	5
424847	399700	7082550	0.007	0.3	74	2	1	23	17	64	5
424848	399700	7082500	0.004	0.6	59	2	1	26	19	69	5
424849	399700	7082450	0.021	0.5	79	1	1	15	26	53	5
424850	399700	7082400	0.002	2.2	38	2	1	10	29	43	5
424851	399400	7082150	0.019	2.1	156	7	1	18	49	47	5
424852	399400	7082200	0.001	0.1	76	2	1	24	18	56	5
424853	399600	7082900	0.047	0.5	555	1	1	30	13	70	5
424854	399600	7082850	0.015	0.4	432	3	2	29	13	51	5
424855	399600	7082800	0.009	0.6	437	2	2	23	13	47	5
424856	399600	7082750	0.012	0.3	366	3	1	35	16	68	5

Sample No.	EastN83Z8	NorthN83Z8	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	W (ppm)
424857	399600	7082700	0.011	0.4	143	1	1	33	17	76	5
424858	399600	7082650	0.007	1.2	127	2	1	36	22	74	5
424859	399600	7082600	0.009	1	133	3	1	46	25	91	5
424860	399600	7082550	0.009	0.7	132	1	1	30	26	99	5
424861	399600	7082500	0.005	0.6	81	1	1	35	20	84	5
424862	399600	7082450	0.002	0.4	48	1	1	16	17	49	5
424863	399600	7082400	0.004	0.4	81	1	1	26	19	78	5
424864	399600	7082350	0.01	0.6	102	2	1	12	17	43	5
424865	399600	7082300	0.009	0.5	51	1	1	42	76	134	5
424866	399600	7082250	0.007	0.9	83	3	1	18	72	105	5
424867	399600	7082200	0.017	3	152	4	1	32	177	167	5
424868	399600	7082150	0.019	3.7	95	7	1	18	123	105	5
424869	399600	7082100	0.019	2	29	3	1	24	35	55	5
424870	399600	7082050	0.009	0.6	57	2	1	17	40	68	5
424871	399600	7082000	0.019	1.6	88	6	1	40	75	107	5
424872	399600	7081950	0.008	0.6	16	1	1	25	20	72	5
424873	399600	7081900	0.024	0.4	51	1	2	27	35	58	5
424874	399600	7081850	0.003	0.8	20	2	1	23	24	45	10
424875	399600	7081800	0.006	1	52	1	1	11	15	28	5
424876	399600	7081750	0.006	0.3	21	1	1	17	16	53	5
424877	399600	7081700	0.007	0.3	23	2	1	16	18	44	5
424878	399800	7080100	0.039	0.5	185	3	2	98	30	110	5
424879	399800	7080050	0.087	1.6	443	1	2	91	50	126	10
424880	399800	7080000	0.006	0.1	28	3	1	20	15	55	5
424881	399800	7079950	0.095	0.2	377	3	2	51	11	73	5
424882	399800	7079900	0.044	0.4	360	1	1	59	22	96	10
424883	399800	7079850	0.057	0.7	338	3	3	51	20	100	10
424884	399800	7079800	0.055	0.6	230	2	4	63	19	87	5
424885	399800	7079750	0.034	0.4	136	1	1	48	20	89	5
424886	399700	7079700	0.066	3.6	185	2	2	69	209	114	20
424887	399700	7079750	0.071	0.6	109	1	2	55	19	88	10
424888	399700	7079800	0.08	0.7	233	2	2	63	17	93	10
424889	399700	7079850	0.076	1	227	3	3	71	27	98	10

Sample No.	EastN83Z8	NorthN83Z8	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	W (ppm)
424890	399700	7079900	0.222	0.4	306	2	3	109	18	102	10
424891	399700	7079950	0.072	0.5	265	3	3	78	22	82	10
424892	399700	7080000	0.024	0.3	73	1	2	60	14	65	5
424893	399700	7079650	0.033	1.8	215	3	2	40	43	113	20
424894	399700	7079600	0.019	0.8	130	2	1	45	37	105	20
424895	399700	7079550	0.059	1.4	459	1	2	64	23	95	70
424896	399700	7079500	0.006	0.2	54	1	1	28	20	107	10
424897	399700	7079450	0.045	1	153	3	3	47	42	115	20
424898	399700	7079400	0.033	0.5	102	1	1	36	22	88	10
424899	399700	7079350	0.031	0.6	87	1	1	41	24	123	10
424901	399700	7082350	0.012	1	65	4	1	18	73	89	5
424902	399700	7082250	0.015	0.9	47	2	1	17	95	77	5
424903	399700	7082200	0.023	2.6	74	4	1	30	133	121	5
424904	399700	7082150	0.034	1.7	119	4	1	28	102	101	5
424905	399700	7082100	0.008	0.6	44	2	1	17	39	61	5
424906	399700	7082050	0.016	1.1	69	4	1	19	74	75	5
424907	399700	7082000	0.03	1.6	115	5	2	35	67	105	5
424908	399700	7081950	0.011	0.7	17	1	2	29	25	82	5
424909	399700	7081900	0.031	1.2	43	1	2	33	35	71	5
424910	399700	7081850	0.011	0.6	22	2	2	21	24	60	5
424911	399700	7081800	0.006	0.6	26	1	2	23	18	48	5
424912	399700	7081750	0.005	0.5	23	1	1	23	13	64	5
424913	399700	7081700	0.01	0.4	25	2	3	20	13	54	5
424914	400000	7080200	0.04	1	56	1	4	50	31	131	5
424915	400000	7080150	0.041	0.3	60	1	1	50	23	99	5
424916	400000	7080100	0.036	0.9	50	2	2	47	24	108	5
424917	400000	7080050	0.008	0.4	18	1	1	23	10	70	5
424918	400000	7080000	0.061	3.6	329	2	2	73	22	123	5
424919	400000	7079950	0.021	3.7	193	1	1	38	138	166	5
424920	400000	7079900	0.047	0.8	277	2	5	47	14	91	5
424921	400000	7079850	0.021	0.5	191	2	2	63	17	92	5
424922	399900	7079850	0.008	0.2	63	1	2	33	15	71	5
424923	399900	7079900	0.023	0.3	250	1	3	60	22	95	10

Sample No.	EastN83Z8	NorthN83Z8	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	W (ppm)
424924	399900	7079950	0.015	0.4	78	1	4	43	19	94	5
424925	399900	7080050	0.061	0.2	43	2	2	45	11	74	5
424926	399900	7080150	0.131	0.6	44	1	3	72	16	88	5
424927	399400	7079300	0.02	0.2	111	1	1	48	14	84	10
424928	399400	7079350	0.026	0.3	100	1	2	44	13	75	10
424929	399400	7079400	0.02	0.3	216	1	2	35	19	76	5
424930	399400	7079450	0.046	0.2	40	1	2	62	14	81	20
424931	399400	7079500	0.036	0.2	163	1	2	99	17	94	30
424932	399400	7079550	0.043	0.3	52	1	2	76	13	81	10
424933	399400	7079600	0.044	1	483	1	2	110	32	149	40
424934	399400	7079650	0.051	0.9	656	1	2	71	27	106	60
424935	399400	7079700	0.035	0.6	694	2	3	64	42	101	30
424936	399400	7079750	0.098	0.6	775	1	4	96	38	132	30
424937	399400	7079800	0.053	1	266	1	3	114	38	155	30
424938	399400	7079850	0.022	0.4	278	2	1	73	18	80	10
424939	399400	7079900	0.013	0.4	41	2	2	34	23	81	10
424940	399400	7080000	0.016	0.2	16	1	1	25	12	64	5
424941	400800	7081500	0.003	0.3	37	1	1	28	20	72	5
424942	400874	7081434	0.0005	0.4	38	1	1	30	19	63	5
424943	400939	7081358	0.007	1	32	1	1	38	54	99	5
424944	401016	7081287	0.007	2.7	150	3	2	49	107	132	5
424945	401111	7081249	0.007	0.6	40	1	1	33	14	65	5
424946	401203	7081297	0.009	0.3	21	1	1	25	12	74	5
424947	401232	7081395	0.002	0.2	18	1	1	32	12	85	5
424948	401292	7081480	0.01	0.3	22	1	1	23	20	71	5
424949	401349	7081560	0.005	0.2	25	1	1	32	16	78	5
424950	401387	7081653	0.002	0.2	16	1	1	35	17	75	5
425001	399600	7079300	0.05	0.7	147	1	1	48	27	112	10
425002	399600	7079350	0.129	0.9	173	1	2	46	47	131	10
425003	399600	7079400	0.014	0.7	49	1	1	38	31	109	5
425004	399600	7079450	0.028	2.4	75	1	2	52	24	123	20
425005	399600	7079500	0.012	0.2	47	2	1	24	18	71	5
425006	399600	7079550	0.019	0.4	189	1	1	50	18	112	10



Sample No.	EastN83Z8	NorthN83Z8	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	W (ppm)
425007	399600	7079600	0.016	0.2	307	2	2	33	18	75	40
425008	399600	7079650	0.042	4.5	417	2	1	51	126	136	40
425009	399600	7079700	0.095	6.4	423	5	4	90	112	159	40
425010	399600	7079750	0.082	0.8	281	1	3	84	28	119	40
425011	399600	7079800	0.073	0.2	220	1	1	66	16	88	50
425012	399600	7079850	0.098	0.2	250	1	2	75	20	88	20
425013	399600	7079900	0.172	0.2	243	1	5	92	24	101	30
425014	399600	7079950	0.115	0.3	250	3	5	87	16	86	20
425015	399600	7080000	0.014	0.4	44	3	1	43	25	74	5
425016	399500	7079300	0.034	0.4	52	2	1	43	16	85	20
425017	399500	7079350	0.034	0.3	70	3	2	51	19	97	10
425018	399500	7079400	0.022	0.3	99	2	1	55	16	90	10
425019	399500	7079450	0.044	0.4	75	1	2	59	15	92	40
425020	399500	7079500	0.045	0.2	133	1	2	42	14	89	40
425021	399500	7079550	0.021	0.1	154	1	1	38	14	70	20
425022	399500	7079600	0.052	0.3	389	2	3	47	22	91	110
425023	399500	7079650	0.04	0.5	742	1	2	72	31	120	90
425024	399500	7079700	0.053	0.4	497	4	2	62	25	108	30
425025	399500	7079750	0.042	0.2	141	1	2	71	25	109	20
425026	399500	7079800	0.064	0.6	353	1	3	120	29	122	10
425027	399500	7079850	0.065	0.3	329	2	2	101	23	121	20
425028	399500	7079900	0.247	1.1	429	1	4	123	38	109	110
425029	399500	7079950	0.044	0.3	75	1	5	78	24	85	20
425031	401600	7081000	0.005	0.1	19	1	1	16	13	64	5
425032	401691	7081044	0.025	0.3	18	1	1	19	11	61	5
425033	401787	7081087	0.001	0.2	15	1	1	9	11	36	5
425034	401875	7081126	0.01	0.2	19	1	1	17	11	54	5
425035	401947	7081187	0.0005	0.4	17	1	1	19	10	54	5
425036	402042	7081250	0.008	0.2	24	1	1	20	13	60	5
425037	402135	7081320	0.002	0.3	18	1	1	23	17	70	5
425038	402197	7081392	0.004	0.2	13	1	1	21	16	55	5
425039	402246	7081480	0.002	0.2	13	1	1	15	14	37	5
425040	402319	7081556	0.004	0.2	16	1	1	25	14	58	5

Sample No.	EastN83Z8	NorthN83Z8	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Bi (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)	W (ppm)
425041	402350	7081650	0.002	0.6	14	1	1	21	28	68	5
425042	402257	7081697	0.001	0.2	15	1	1	33	15	77	5
425043	402162	7081753	0.001	0.5	21	1	1	31	32	81	5
425044	402075	7081802	0.004	0.1	15	1	1	26	14	65	5
425045	401976	7081859	0.005	0.3	26	1	1	27	18	72	5
425046	401433	7081746	0.008	0.1	78	1	1	22	13	57	5
425047	401463	7081842	0.005	0.2	22	1	1	24	12	71	5
425048	401556	7081892	0.004	0.1	21	1	1	36	14	77	5
425049	401628	7081962	0.001	0.2	26	1	1	26	13	63	5
425050	401711	7081985	0.001	0.1	15	1	1	21	12	51	5

# APPENDIX IV

## Laboratory Soil Sample Analysis Certificates



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Page: 1  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 27-AUG-2017  
 Account: PARIEX

**CERTIFICATE WH17159411**

Project: RC PROPERTY

This report is for 255 Soil samples submitted to our lab in Whitehorse, YT, Canada on 31-JUL-2017.

The following have access to data associated with this certificate:

GERRY CARLSON	COR COE	
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: PACIFIC RIDGE EXPLORATION LTD.  
 ATTN: GERRY CARLSON  
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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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Page: 2 - A  
 Total # Pages: 8 (A - C)  
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**CERTIFICATE OF ANALYSIS WH17159411**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W422644		0.50	0.044	0.4	2.55	676	<10	250	1.1	2	0.63	<0.5	17	46	27	3.87
W422645		0.49	0.026	0.3	2.43	497	<10	200	1.0	<2	0.38	<0.5	14	37	24	3.66
W422646		0.41	0.026	<0.2	1.99	101	<10	180	0.7	<2	0.11	<0.5	7	26	16	2.86
W422647		0.43	0.001	<0.2	2.30	22	<10	150	0.5	<2	0.18	<0.5	10	28	19	2.76
W422648		0.51	0.011	<0.2	1.82	112	<10	160	0.5	<2	0.31	<0.5	11	26	25	2.57
W422649		0.52	0.015	<0.2	1.95	109	<10	160	1.0	<2	0.30	<0.5	12	60	18	3.74
W422653		0.59	0.076	0.7	2.17	531	<10	180	1.0	4	0.26	<0.5	15	95	34	3.34
W422654		0.58	0.025	9.3	1.88	235	<10	210	0.9	2	0.32	4.6	22	81	38	3.63
W422655		0.49	0.054	0.4	2.62	538	<10	380	1.6	5	0.81	0.6	36	164	51	5.49
W422656		0.55	0.039	0.3	2.63	530	<10	160	1.7	2	0.20	<0.5	30	84	54	4.56
W422657		0.30	0.006	0.3	2.16	186	<10	180	1.5	<2	0.07	<0.5	50	60	65	4.46
W422658		0.49	0.011	0.2	1.99	144	<10	200	1.2	<2	0.37	<0.5	40	77	51	4.66
W422659		0.43	0.009	0.2	1.67	103	<10	120	1.1	<2	0.13	<0.5	40	34	72	4.74
W422660		0.47	0.005	<0.2	2.17	63	<10	130	0.6	<2	0.15	<0.5	9	42	18	3.13
W422661		0.47	0.010	0.2	1.66	76	<10	150	0.6	<2	0.37	<0.5	12	37	26	2.89
W422662		0.54	0.012	0.3	2.19	124	<10	220	0.8	<2	0.38	<0.5	14	48	27	3.39
W422663		0.56	0.017	0.3	1.91	245	<10	130	0.7	<2	0.23	<0.5	12	42	30	3.19
W422664		0.39	0.028	0.6	2.04	463	<10	120	0.8	3	0.22	<0.5	14	54	40	3.45
W422665		0.58	0.009	0.6	2.06	82	<10	150	0.8	<2	0.19	<0.5	17	50	38	3.92
W422666		0.35	0.015	0.7	1.74	57	<10	160	0.6	<2	0.12	<0.5	12	34	29	3.31
W422667		0.49	0.041	0.8	2.02	64	<10	120	0.9	2	0.15	<0.5	20	35	61	4.01
W422668		0.49	0.025	0.5	1.77	98	<10	110	0.8	<2	0.21	<0.5	16	31	46	3.65
W422669		0.59	0.041	0.2	1.83	362	<10	90	0.9	2	0.10	<0.5	37	32	55	4.44
W422670		0.63	0.048	0.8	1.37	69	<10	100	1.2	2	0.32	<0.5	22	25	56	3.31
W422671		0.51	0.491	0.8	1.86	72	<10	120	1.0	7	0.23	<0.5	20	31	107	4.38
W422672		0.53	0.073	0.2	2.49	21	<10	190	1.3	3	0.34	<0.5	14	34	38	3.06
W422673		0.52	0.009	0.6	1.29	100	<10	50	1.0	<2	0.06	<0.5	29	23	53	4.37
W422674		0.41	0.007	0.4	1.41	104	<10	60	0.6	<2	0.06	<0.5	12	24	50	4.50
W422675		0.44	0.005	0.5	1.54	52	<10	60	0.8	<2	0.05	<0.5	18	24	53	4.80
W422676		0.61	0.011	0.5	1.32	38	<10	70	0.8	<2	0.05	<0.5	22	22	43	4.57
W422677		0.53	0.052	0.4	1.97	129	<10	170	1.0	<2	0.16	<0.5	16	50	47	4.18
W422678		0.46	0.011	0.6	1.47	85	<10	80	0.5	<2	0.07	0.5	9	22	20	3.09
W422679		0.43	0.013	2.2	1.21	136	<10	80	<0.5	<2	0.04	<0.5	8	20	35	3.49
W422680		0.60	0.018	0.7	1.52	23	<10	70	<0.5	<2	0.09	<0.5	12	28	35	3.58
W422681		0.59	0.025	0.3	1.57	23	<10	60	0.5	<2	0.07	<0.5	10	27	27	3.46
W422682		0.50	0.003	1.5	1.01	53	<10	60	<0.5	<2	0.06	<0.5	5	25	21	3.83
W422683		0.52	0.048	0.8	1.72	39	<10	110	0.6	3	0.07	<0.5	6	32	35	3.70
W422684		0.61	0.004	0.2	1.72	21	<10	130	0.5	<2	0.09	<0.5	11	30	20	3.30
W422685		0.49	0.021	0.4	1.31	21	<10	80	<0.5	3	0.06	<0.5	6	38	25	3.72
W422686		0.49	0.006	1.5	1.39	25	<10	100	<0.5	<2	0.06	<0.5	5	24	26	3.05



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**CERTIFICATE OF ANALYSIS WH17159411**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
W422644		10	<1	0.23	30	0.96	749	1	0.04	16	1400	24	0.03	<2	9	56
W422645		10	<1	0.12	30	0.78	710	1	0.02	15	1010	18	0.03	<2	8	28
W422646		10	1	0.12	10	0.55	440	1	0.01	12	600	11	0.06	<2	2	15
W422647		10	1	0.13	10	0.63	370	1	0.02	23	490	9	0.03	3	3	17
W422648		10	1	0.15	20	0.60	332	1	0.02	19	1000	9	0.02	2	4	23
W422649		10	1	0.16	20	0.86	714	1	0.02	13	1070	15	0.04	4	8	26
W422653		10	1	0.14	20	1.05	717	1	0.02	22	770	28	0.03	<2	7	45
W422654		10	1	0.21	20	0.77	804	1	0.02	35	880	245	0.09	<2	10	43
W422655		10	1	0.43	20	1.42	1150	1	0.03	37	1580	16	0.03	<2	15	63
W422656		10	<1	0.20	30	0.92	699	1	0.02	51	920	18	0.06	<2	9	22
W422657		10	1	0.31	30	0.77	992	2	0.02	54	1020	26	0.12	3	6	27
W422658		10	<1	0.41	30	0.85	927	1	0.01	54	1050	22	0.08	3	12	60
W422659		10	1	0.15	30	0.62	600	2	0.01	65	970	14	0.09	2	4	20
W422660		10	<1	0.09	10	0.57	421	1	0.02	13	830	21	0.05	<2	4	14
W422661		<10	<1	0.12	20	0.68	488	1	0.03	21	1140	17	0.02	<2	5	27
W422662		10	<1	0.14	20	0.84	621	1	0.03	22	1110	18	0.03	<2	7	32
W422663		10	<1	0.09	20	0.71	489	1	0.02	24	890	19	0.03	<2	4	19
W422664		<10	<1	0.10	20	0.68	404	2	0.02	29	990	19	0.07	<2	4	21
W422665		10	<1	0.11	20	0.72	621	1	0.02	34	870	24	0.05	<2	5	23
W422666		<10	<1	0.07	20	0.59	405	1	0.01	25	720	32	0.06	<2	2	16
W422667		10	<1	0.16	30	0.65	800	1	0.01	40	930	21	0.06	<2	3	18
W422668		<10	<1	0.14	30	0.58	673	1	0.01	38	680	16	0.04	<2	3	19
W422669		10	<1	0.30	30	0.65	937	1	0.01	82	600	15	0.06	<2	3	21
W422670		<10	<1	0.26	30	0.46	1080	<1	0.01	43	760	25	0.05	<2	3	32
W422671		10	<1	0.29	30	0.65	834	1	0.03	40	900	18	0.12	<2	3	39
W422672		10	1	0.40	20	1.12	749	1	0.01	32	640	11	0.03	<2	3	35
W422673		<10	<1	0.05	40	0.42	727	1	0.01	47	760	24	0.05	<2	2	13
W422674		<10	<1	0.06	40	0.40	302	1	0.02	28	860	25	0.08	<2	2	13
W422675		<10	<1	0.05	40	0.52	460	1	0.01	34	730	24	0.06	<2	2	12
W422676		<10	<1	0.05	40	0.40	517	1	0.01	43	690	17	0.05	<2	2	11
W422677		10	<1	0.15	30	0.75	464	2	0.01	38	680	17	0.06	<2	4	21
W422678		<10	<1	0.04	20	0.29	309	1	0.01	20	550	32	0.02	<2	2	9
W422679		<10	<1	0.06	30	0.30	270	1	0.01	19	620	36	0.04	5	1	12
W422680		10	<1	0.05	20	0.37	406	2	0.02	19	920	38	0.07	2	1	13
W422681		<10	<1	0.05	20	0.39	358	1	0.01	19	570	26	0.04	2	2	12
W422682		10	<1	0.06	20	0.18	335	2	0.01	12	820	58	0.07	2	1	9
W422683		10	<1	0.19	20	0.58	289	1	0.02	15	610	24	0.07	<2	3	20
W422684		<10	<1	0.06	20	0.44	503	1	0.01	18	730	18	0.04	<2	2	14
W422685		10	1	0.06	10	0.28	299	2	0.01	15	910	22	0.08	<2	1	12
W422686		<10	<1	0.04	20	0.24	151	1	0.01	12	670	15	0.06	<2	1	14



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 Plus Appendix Pages  
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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
W422644		<20	0.10	<10	<10	68	10	96
W422645		<20	0.07	<10	<10	65	10	85
W422646		<20	0.09	<10	<10	60	<10	53
W422647		<20	0.11	<10	<10	56	<10	73
W422648		<20	0.09	<10	<10	48	<10	76
W422649		<20	0.08	<10	<10	70	<10	83
W422653		<20	0.08	<10	<10	74	30	92
W422654		<20	0.06	<10	<10	62	10	440
W422655		<20	0.08	<10	<10	104	20	147
W422656		<20	0.07	<10	<10	68	10	111
W422657		<20	0.07	<10	<10	54	<10	111
W422658		<20	0.06	<10	<10	62	<10	137
W422659		<20	0.05	<10	<10	44	<10	107
W422660		<20	0.09	<10	<10	66	10	71
W422661		<20	0.09	<10	<10	54	10	83
W422662		<20	0.10	<10	<10	63	10	93
W422663		<20	0.07	<10	<10	56	10	82
W422664		<20	0.07	<10	<10	57	20	80
W422665		<20	0.06	<10	<10	57	<10	104
W422666		<20	0.05	<10	<10	47	<10	77
W422667		<20	0.06	<10	<10	45	<10	101
W422668		<20	0.06	<10	<10	41	<10	84
W422669		20	0.05	<10	<10	32	<10	99
W422670		20	0.06	<10	<10	25	10	82
W422671		<20	0.10	<10	<10	40	20	86
W422672		<20	0.09	<10	<10	40	<10	66
W422673		<20	0.02	<10	<10	25	<10	89
W422674		<20	0.02	<10	<10	28	<10	89
W422675		<20	0.02	<10	<10	28	<10	87
W422676		<20	0.02	<10	<10	27	<10	82
W422677		<20	0.05	<10	<10	46	<10	79
W422678		<20	0.04	<10	<10	39	<10	70
W422679		<20	0.02	<10	<10	29	<10	82
W422680		<20	0.04	<10	<10	51	<10	81
W422681		<20	0.05	<10	<10	45	<10	69
W422682		<20	0.06	<10	<10	60	<10	70
W422683		<20	0.11	<10	<10	61	10	70
W422684		<20	0.05	<10	<10	48	<10	70
W422685		<20	0.05	<10	<10	63	<10	53
W422686		<20	0.03	<10	<10	47	<10	45



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 Account: PARIEX

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**CERTIFICATE OF ANALYSIS WH17159411**

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W422687		0.54	0.006	0.7	1.55	58	<10	80	<0.5	<2	0.06	<0.5	6	35	24	3.34
W422688		0.32	0.004	2.1	0.71	42	<10	40	<0.5	<2	0.02	<0.5	3	19	24	2.61
W422689		0.62	<0.001	2.3	1.18	49	<10	60	<0.5	<2	0.03	<0.5	5	29	35	4.39
W422690		0.58	0.047	3.1	0.93	376	<10	70	<0.5	<2	0.07	<0.5	7	22	36	3.47
W424759		0.53	0.034	0.6	2.60	179	<10	250	0.8	2	0.38	0.5	13	36	30	3.13
W424760		0.44	0.042	<0.2	2.71	73	<10	200	0.7	8	0.23	<0.5	11	31	22	2.84
W424761		0.45	0.059	0.5	2.49	165	<10	230	0.8	3	0.38	<0.5	13	35	26	3.01
W424762		0.36	0.017	<0.2	3.35	197	<10	320	1.1	<2	0.21	<0.5	24	52	40	4.37
W424763		0.31	0.007	0.9	1.53	88	<10	80	<0.5	<2	0.05	<0.5	6	28	25	2.69
W424764		0.60	0.015	0.5	1.91	209	<10	130	0.6	<2	0.11	<0.5	22	40	41	3.72
W424765		0.41	0.015	0.8	1.63	146	<10	110	0.5	<2	0.07	<0.5	16	34	39	3.90
W424766		0.57	0.030	<0.2	1.77	156	<10	90	0.5	<2	0.17	<0.5	17	35	79	4.22
W424767		0.44	<0.001	0.2	1.20	18	<10	70	<0.5	<2	0.04	<0.5	6	21	21	2.63
W424768		0.46	0.002	0.2	1.18	12	<10	60	0.5	<2	0.05	<0.5	4	22	32	3.14
W424769		0.43	0.007	0.3	1.33	20	<10	50	0.5	2	0.05	<0.5	9	22	40	3.89
W424770		0.45	0.082	0.3	1.55	140	<10	80	0.7	<2	0.11	<0.5	14	25	76	5.34
W424771		0.48	0.024	0.4	2.94	187	<10	340	1.4	<2	0.84	<0.5	26	128	29	4.14
W424772		0.42	0.022	0.3	1.83	74	<10	90	0.7	<2	0.12	<0.5	33	36	63	4.69
W424773		0.47	0.011	0.4	2.10	183	<10	110	1.0	<2	0.09	<0.5	28	36	92	4.81
W424774		0.42	0.018	0.7	2.53	765	<10	180	1.4	2	0.28	0.5	39	57	78	4.02
W424775		0.28	0.008	0.5	1.56	466	<10	90	0.5	<2	0.06	<0.5	10	63	37	3.20
W424776		0.38	0.031	0.6	2.65	357	<10	240	1.0	3	0.47	<0.5	22	52	55	3.74
W424777		0.27	<0.001	<0.2	1.55	14	<10	100	<0.5	<2	0.16	<0.5	4	21	15	1.70
W424778		0.37	0.012	2.1	2.38	110	<10	210	1.7	2	0.47	1.1	24	48	42	4.20
W424779		0.52	0.013	0.3	2.78	96	<10	330	1.0	<2	0.40	<0.5	17	55	23	3.94
W424780		0.44	0.016	0.9	2.16	160	<10	250	0.9	<2	0.45	0.9	20	60	30	3.76
W424781		0.48	0.013	1.5	1.96	59	<10	160	0.6	<2	0.22	0.6	15	45	38	3.75
W424782		0.58	0.005	0.3	1.10	31	<10	50	<0.5	<2	0.04	<0.5	5	28	24	2.53
W424783		0.37	0.002	<0.2	2.46	21	<10	150	0.6	<2	0.12	<0.5	10	35	19	2.81
W424784		0.32	<0.001	<0.2	2.19	21	<10	140	0.5	<2	0.11	<0.5	10	32	15	2.80
W424785		0.52	0.011	0.4	2.39	41	<10	210	0.7	<2	0.32	<0.5	13	43	28	3.16
W424786		0.47	0.717	2.8	0.59	763	<10	50	<0.5	<2	0.05	<0.5	7	12	25	2.58
W424787		0.42	0.227	2.3	0.78	466	<10	40	<0.5	2	0.04	<0.5	4	14	16	2.31
W424788		0.40	0.998	4.4	0.53	1200	<10	40	<0.5	2	0.03	<0.5	4	13	16	2.16
W424789		0.32	0.106	6.2	0.48	442	<10	40	<0.5	<2	0.03	<0.5	2	12	15	1.79
W424790		0.39	0.103	9.7	1.43	324	<10	50	<0.5	<2	0.06	<0.5	7	23	19	3.61
W424791		0.42	0.018	2.2	1.07	75	<10	50	<0.5	<2	0.06	<0.5	6	22	19	3.85
W424792		0.39	0.049	0.5	2.17	48	<10	230	0.7	<2	0.34	0.5	12	41	27	3.07
W424793		0.37	0.010	1.4	1.14	56	<10	50	<0.5	<2	0.05	<0.5	7	21	22	3.27
W424794		0.45	0.008	0.7	1.57	31	<10	70	<0.5	<2	0.11	<0.5	17	28	43	3.56





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Page: 3 - B  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 27-AUG-2017  
 Account: PARIEX

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**CERTIFICATE OF ANALYSIS WH17159411**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
W422687		10	<1	0.05	20	0.30	269	2	0.01	16	630	30	0.05	<2	1	11
W422688		<10	<1	0.05	20	0.07	96	2	0.01	10	770	49	0.06	3	<1	10
W422689		10	<1	0.07	30	0.24	221	2	0.01	13	800	110	0.06	5	1	9
W422690		<10	<1	0.05	30	0.28	246	2	0.01	16	740	160	0.05	12	1	12
W424759		10	<1	0.15	20	0.72	727	1	0.03	23	1490	14	0.04	<2	5	29
W424760		10	<1	0.12	20	0.68	471	1	0.03	20	690	12	0.04	<2	3	21
W424761		10	<1	0.15	20	0.76	577	1	0.03	19	1190	14	0.04	<2	5	35
W424762		10	<1	0.19	30	1.03	668	1	0.02	36	880	18	0.05	<2	6	29
W424763		10	<1	0.08	10	0.26	280	2	0.01	14	1110	13	0.11	<2	1	12
W424764		10	<1	0.10	20	0.56	512	1	0.01	42	680	22	0.04	<2	3	13
W424765		10	<1	0.08	20	0.46	501	1	0.01	32	400	32	0.02	<2	3	11
W424766		10	<1	0.14	20	0.58	448	2	0.02	45	1460	15	0.10	<2	3	21
W424767		<10	<1	0.05	10	0.29	184	1	0.01	14	670	11	0.07	<2	1	9
W424768		<10	<1	0.05	20	0.32	135	1	0.01	12	930	16	0.10	<2	1	10
W424769		<10	<1	0.04	20	0.35	268	1	0.01	20	1010	11	0.08	<2	1	10
W424770		<10	<1	0.09	40	0.52	318	2	0.02	29	1050	19	0.10	<2	2	24
W424771		10	<1	0.45	20	1.33	1020	1	0.04	32	800	19	0.01	<2	12	98
W424772		10	<1	0.11	20	0.62	739	2	0.02	38	1250	12	0.11	<2	2	18
W424773		10	<1	0.25	30	0.67	724	2	0.02	41	1600	15	0.20	<2	2	19
W424774		10	<1	0.14	20	0.77	824	2	0.03	62	1310	23	0.10	<2	5	33
W424775		<10	<1	0.07	10	0.47	206	2	0.02	28	1030	19	0.12	<2	2	11
W424776		10	<1	0.17	20	0.97	935	2	0.04	29	1090	22	0.05	<2	6	68
W424777		10	<1	0.12	10	0.31	116	1	0.03	6	910	8	0.13	<2	1	41
W424778		10	<1	0.10	20	0.93	1725	2	0.02	22	770	77	0.06	<2	6	38
W424779		10	<1	0.25	30	1.01	775	1	0.03	16	1190	22	0.02	<2	9	32
W424780		10	<1	0.21	30	0.90	1160	1	0.02	20	1280	64	0.02	<2	10	42
W424781		10	<1	0.08	20	0.62	580	1	0.02	29	1010	50	0.04	<2	5	27
W424782		10	<1	0.04	10	0.11	303	3	0.01	13	690	19	0.04	<2	1	8
W424783		10	<1	0.05	10	0.52	371	2	0.01	23	610	11	0.05	<2	2	14
W424784		10	<1	0.05	10	0.46	427	1	0.01	20	480	13	0.03	<2	2	13
W424785		10	<1	0.12	20	0.73	558	1	0.03	23	850	21	0.03	<2	4	28
W424786		<10	<1	0.07	40	0.14	268	1	0.01	13	500	40	0.06	6	1	11
W424787		<10	<1	0.06	30	0.14	191	1	0.01	9	470	61	0.04	2	1	8
W424788		<10	<1	0.06	30	0.08	112	1	0.01	11	380	139	0.06	7	1	9
W424789		<10	<1	0.05	30	0.03	80	2	0.01	9	480	338	0.06	26	<1	9
W424790		<10	<1	0.05	20	0.23	359	1	0.01	15	510	249	0.04	14	2	10
W424791		10	<1	0.04	20	0.21	438	2	0.01	13	540	61	0.03	5	1	8
W424792		10	<1	0.14	20	0.72	613	1	0.03	22	1190	17	0.03	<2	5	26
W424793		<10	<1	0.05	20	0.19	445	2	0.01	15	700	43	0.03	3	1	8
W424794		<10	<1	0.07	20	0.50	529	2	0.02	22	800	49	0.04	3	2	14



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Page: 3 - C  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 27-AUG-2017  
 Account: PARIEX

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**CERTIFICATE OF ANALYSIS WH17159411**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
W422687		<20	0.04	<10	<10	58	<10	63
W422688		<20	0.03	<10	<10	44	<10	66
W422689		<20	0.03	<10	<10	47	<10	110
W422690		<20	0.03	<10	<10	32	<10	108
W424759		<20	0.10	<10	<10	60	<10	88
W424760		<20	0.11	<10	<10	57	10	69
W424761		<20	0.10	<10	<10	59	<10	79
W424762		<20	0.10	<10	<10	74	<10	96
W424763		<20	0.06	<10	<10	53	<10	45
W424764		<20	0.07	<10	<10	56	<10	92
W424765		<20	0.06	<10	<10	52	<10	92
W424766		<20	0.07	<10	<10	52	<10	94
W424767		<20	0.03	<10	<10	37	<10	45
W424768		<20	0.02	<10	<10	29	<10	49
W424769		<20	0.02	<10	<10	34	<10	53
W424770		<20	0.04	<10	<10	38	<10	69
W424771		<20	0.08	<10	<10	82	<10	96
W424772		<20	0.05	<10	<10	51	<10	84
W424773		<20	0.05	<10	<10	45	<10	89
W424774		<20	0.07	<10	<10	60	10	104
W424775		<20	0.04	<10	<10	52	<10	68
W424776		<20	0.12	<10	<10	66	10	97
W424777		<20	0.08	<10	<10	39	<10	29
W424778		<20	0.08	<10	<10	66	10	133
W424779		<20	0.12	<10	<10	73	<10	104
W424780		<20	0.09	<10	<10	70	10	170
W424781		<20	0.06	<10	<10	59	<10	109
W424782		<20	0.05	<10	<10	91	<10	51
W424783		<20	0.06	<10	<10	55	<10	91
W424784		<20	0.07	<10	<10	58	<10	68
W424785		<20	0.10	<10	<10	63	<10	88
W424786		<20	0.01	<10	<10	17	<10	47
W424787		<20	0.02	<10	<10	31	<10	38
W424788		<20	0.02	<10	<10	22	<10	48
W424789		<20	0.02	<10	<10	37	<10	45
W424790		<20	0.03	<10	<10	43	<10	81
W424791		<20	0.05	<10	<10	44	<10	70
W424792		<20	0.10	<10	<10	60	<10	86
W424793		<20	0.03	<10	<10	45	<10	72
W424794		<20	0.05	<10	<10	47	<10	84



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Page: 4 - A  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 27-AUG-2017  
 Account: PARIEX

Project: RC PROPERTY

**CERTIFICATE OF ANALYSIS WH17159411**

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W424795		0.45	0.006	1.5	0.92	29	<10	40	<0.5	<2	0.03	<0.5	6	23	30	3.39
W424796		0.41	0.009	1.6	0.56	18	<10	40	<0.5	2	0.04	<0.5	5	15	20	2.10
W424797		0.40	0.008	0.5	1.53	24	<10	80	0.5	<2	0.08	<0.5	9	27	23	3.16
W424798		0.33	0.002	0.3	1.39	15	<10	110	<0.5	<2	0.08	<0.5	6	27	18	2.88
W424799		0.22	0.010	0.6	1.06	25	<10	160	<0.5	2	0.12	<0.5	7	22	21	2.31
W424800		0.30	0.037	8.7	0.89	152	<10	40	<0.5	<2	0.03	<0.5	4	14	22	2.16
W424801		0.59	0.302	1.8	2.31	2220	<10	200	1.4	17	0.43	0.5	22	62	58	4.96
W424802		0.40	0.012	0.5	2.18	1045	<10	140	0.7	<2	0.09	<0.5	15	48	72	5.72
W424803		0.48	0.032	0.4	2.78	1375	<10	240	1.1	<2	0.48	<0.5	26	67	67	6.07
W424804		0.54	0.003	<0.2	1.57	20	<10	90	0.5	<2	0.09	<0.5	10	28	21	3.06
W424805		0.54	0.006	0.2	1.69	24	<10	80	0.8	<2	0.07	<0.5	15	27	41	3.90
W424806		0.52	0.010	0.2	1.35	24	<10	70	0.6	<2	0.08	<0.5	14	25	40	4.03
W424807		0.51	0.018	0.2	1.70	34	<10	70	0.6	<2	0.08	<0.5	10	28	35	3.86
W424808		0.45	0.034	0.3	2.21	303	<10	160	0.7	<2	0.19	<0.5	16	54	54	4.09
W424809		0.46	0.048	0.5	1.95	454	<10	180	0.9	<2	0.07	<0.5	25	37	47	4.17
W424810		0.40	0.011	0.5	2.91	520	<10	370	1.3	<2	0.24	<0.5	33	60	49	5.33
W424811		0.28	0.015	0.3	2.54	113	<10	180	0.8	<2	0.42	<0.5	15	41	30	2.86
W424812		0.41	0.010	0.6	1.77	344	<10	170	1.1	4	0.60	<0.5	20	32	22	3.54
W424813		0.41	0.055	0.6	2.16	190	<10	170	1.0	4	0.43	0.6	19	55	28	3.76
W424814		0.41	0.015	0.3	2.55	167	<10	340	1.1	3	0.46	<0.5	19	92	26	4.03
W424815		0.50	0.010	<0.2	2.72	56	<10	290	1.2	<2	0.51	<0.5	16	70	21	3.91
W424816		0.47	0.012	0.2	2.66	85	<10	280	1.1	<2	0.25	<0.5	17	56	37	4.80
W424817		0.40	0.035	1.2	1.03	204	<10	60	<0.5	<2	0.12	0.5	15	31	42	4.17
W424818		0.46	0.018	0.8	1.09	106	<10	50	0.5	<2	0.09	<0.5	19	30	47	3.67
W424819		0.37	0.030	0.5	1.27	104	<10	60	<0.5	<2	0.07	<0.5	6	31	36	4.26
W424820		0.42	0.011	0.2	2.33	46	<10	140	0.7	<2	0.25	<0.5	11	40	27	3.00
W424821		0.48	0.059	36.9	2.36	310	<10	240	0.9	3	0.38	3.3	17	84	47	3.56
W424822		0.37	0.012	0.9	1.82	112	<10	80	0.5	3	0.12	<0.5	9	48	21	2.81
W424823		0.47	0.013	0.5	1.95	56	<10	220	0.7	3	0.36	0.7	15	43	30	3.24
W424824		0.53	0.015	0.2	2.52	118	<10	230	1.3	<2	0.41	<0.5	33	80	43	4.53
W424825		0.41	0.006	0.3	1.21	35	<10	70	<0.5	<2	0.09	<0.5	6	34	15	2.65
W424826		0.27	0.017	0.8	1.28	503	<10	90	0.5	4	0.06	<0.5	6	24	38	3.67
W424827		0.29	0.020	1.0	1.01	275	<10	60	<0.5	2	0.05	<0.5	4	17	31	2.07
W424828		0.38	0.033	0.4	1.54	336	<10	80	0.5	3	0.06	<0.5	7	26	23	3.32
W424829		0.38	0.019	0.4	1.47	253	<10	90	0.7	<2	0.07	<0.5	16	24	41	3.69
W424830		0.31	0.010	0.5	1.49	301	<10	80	0.7	<2	0.05	0.8	13	23	42	4.12
W424831		0.42	0.006	0.3	1.75	112	<10	70	0.5	<2	0.07	<0.5	15	26	43	4.06
W424832		0.36	0.010	0.8	1.65	190	<10	70	0.6	<2	0.07	<0.5	11	26	47	4.26
W424833		0.57	0.007	0.5	1.22	226	<10	60	0.6	2	0.08	<0.5	11	22	49	4.46
W424834		0.46	0.006	0.3	1.51	173	<10	60	0.5	<2	0.07	<0.5	7	26	41	4.01



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Page: 4 - B  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 27-AUG-2017  
 Account: PARIEX

Project: RC PROPERTY

**CERTIFICATE OF ANALYSIS WH17159411**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
W424795		10	<1	0.06	20	0.13	193	2	0.01	16	670	32	0.05	2	1	9
W424796		<10	<1	0.04	20	0.11	131	1	0.01	12	440	20	0.03	2	1	8
W424797		<10	<1	0.06	20	0.35	379	1	0.01	18	740	24	0.04	<2	1	11
W424798		10	<1	0.05	10	0.30	260	1	0.01	15	760	14	0.06	<2	1	14
W424799		<10	<1	0.05	10	0.32	206	1	0.01	17	570	16	0.03	<2	1	15
W424800		<10	<1	0.04	20	0.07	94	1	0.01	11	510	153	0.04	15	1	7
W424801		10	<1	0.26	30	1.07	1010	1	0.03	18	1220	37	0.07	<2	9	49
W424802		10	<1	0.13	20	0.55	405	2	0.05	26	1480	16	0.31	<2	3	31
W424803		10	<1	0.28	30	0.98	663	1	0.05	36	1350	16	0.11	<2	10	54
W424804		<10	<1	0.04	10	0.38	383	1	0.01	21	580	12	0.03	<2	2	11
W424805		<10	<1	0.08	30	0.54	292	1	0.01	38	670	12	0.05	<2	2	15
W424806		<10	<1	0.04	30	0.47	267	1	0.01	31	630	11	0.02	<2	2	11
W424807		<10	<1	0.06	20	0.50	338	1	0.01	21	660	13	0.05	<2	1	13
W424808		10	<1	0.11	20	0.66	508	1	0.02	32	950	21	0.06	<2	4	20
W424809		<10	<1	0.10	20	0.58	1010	1	0.01	41	890	21	0.11	<2	2	16
W424810		10	<1	0.40	30	1.02	838	1	0.02	51	990	15	0.06	<2	9	32
W424811		10	<1	0.13	20	0.81	558	1	0.05	21	1030	16	0.03	<2	4	52
W424812		10	<1	0.24	30	0.68	1180	1	0.02	12	1440	18	<0.01	<2	14	41
W424813		10	<1	0.26	30	0.87	943	1	0.02	16	1200	26	0.02	<2	9	44
W424814		10	<1	0.41	20	1.28	764	1	0.02	20	1360	17	0.02	<2	10	37
W424815		10	<1	0.29	20	1.06	828	<1	0.02	14	1160	14	0.02	<2	11	44
W424816		10	<1	0.26	30	0.83	734	1	0.01	31	940	18	0.04	<2	8	25
W424817		<10	<1	0.04	20	0.26	334	2	0.01	26	990	67	0.03	2	3	14
W424818		<10	<1	0.05	30	0.24	457	2	0.01	28	870	32	0.02	<2	2	10
W424819		10	<1	0.05	20	0.32	229	2	0.01	18	680	31	0.04	<2	2	10
W424820		10	<1	0.09	20	0.66	502	1	0.03	22	940	17	0.04	<2	4	23
W424821		10	<1	0.20	20	1.04	798	1	0.02	32	1100	661	0.05	<2	7	44
W424822		10	<1	0.07	10	0.51	304	1	0.02	20	560	60	0.04	<2	3	15
W424823		<10	<1	0.20	20	0.75	489	1	0.03	28	1000	15	0.03	<2	5	31
W424824		10	<1	0.41	30	1.05	771	2	0.02	46	950	20	0.04	<2	9	53
W424825		10	<1	0.06	10	0.33	240	2	0.01	14	560	33	0.06	<2	2	11
W424826		<10	<1	0.13	20	0.29	212	2	0.02	15	770	11	0.13	<2	1	21
W424827		<10	<1	0.06	20	0.16	120	1	0.01	11	810	7	0.10	<2	<1	13
W424828		10	<1	0.06	10	0.32	259	2	0.01	16	480	13	0.05	<2	2	14
W424829		<10	<1	0.09	30	0.41	447	1	0.02	28	720	18	0.06	<2	2	20
W424830		<10	<1	0.08	30	0.43	388	1	0.02	26	710	53	0.07	2	1	22
W424831		10	<1	0.08	30	0.51	608	1	0.02	24	1030	22	0.06	<2	2	21
W424832		<10	<1	0.07	30	0.52	402	1	0.02	23	860	31	0.06	<2	2	25
W424833		<10	<1	0.06	40	0.43	319	1	0.02	25	710	19	0.04	<2	2	22
W424834		<10	<1	0.05	40	0.49	283	1	0.02	18	770	18	0.05	<2	1	26





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Page: 4 - C  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 27-AUG-2017  
 Account: PARIEX

Project: RC PROPERTY

**CERTIFICATE OF ANALYSIS WH17159411**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
W424795		<20	0.04	<10	<10	51	<10	53
W424796		<20	0.02	<10	<10	30	<10	46
W424797		<20	0.04	<10	<10	46	<10	71
W424798		<20	0.04	<10	<10	51	<10	51
W424799		<20	0.03	<10	<10	30	<10	55
W424800		<20	0.02	<10	<10	31	<10	39
W424801		<20	0.08	<10	<10	70	40	98
W424802		<20	0.04	<10	<10	59	<10	68
W424803		<20	0.10	<10	<10	80	10	109
W424804		<20	0.05	<10	<10	50	<10	74
W424805		<20	0.03	<10	<10	33	<10	75
W424806		<20	0.03	<10	<10	32	<10	63
W424807		<20	0.05	<10	<10	46	<10	66
W424808		<20	0.07	<10	<10	57	<10	89
W424809		<20	0.04	<10	<10	50	<10	97
W424810		<20	0.09	<10	<10	76	<10	100
W424811		<20	0.13	<10	<10	61	<10	90
W424812		<20	0.09	<10	<10	64	<10	81
W424813		<20	0.09	<10	<10	71	<10	90
W424814		<20	0.12	<10	<10	84	<10	95
W424815		<20	0.09	<10	<10	78	<10	81
W424816		<20	0.08	<10	<10	76	<10	119
W424817		<20	0.04	<10	<10	57	<10	93
W424818		<20	0.03	<10	<10	51	<10	116
W424819		<20	0.04	<10	<10	53	<10	84
W424820		<20	0.08	<10	<10	59	10	91
W424821		<20	0.10	<10	<10	71	10	282
W424822		<20	0.08	<10	<10	57	10	90
W424823		<20	0.12	<10	<10	56	<10	111
W424824		<20	0.09	<10	<10	67	<10	119
W424825		<20	0.09	<10	<10	62	<10	52
W424826		<20	0.04	<10	<10	36	20	51
W424827		<20	0.03	<10	<10	32	10	32
W424828		<20	0.05	<10	<10	45	<10	55
W424829		<20	0.03	<10	<10	32	<10	78
W424830		<20	0.02	<10	<10	28	<10	94
W424831		<20	0.03	<10	<10	32	<10	87
W424832		<20	0.03	<10	<10	31	<10	88
W424833		<20	0.03	<10	<10	25	<10	80
W424834		<20	0.03	<10	<10	31	<10	72



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 VANCOUVER BC V6E 3V6

Page: 5 - A  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 27-AUG-2017  
 Account: PARIEX

Project: RC PROPERTY

**CERTIFICATE OF ANALYSIS WH17159411**

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W424835		0.58	0.008	0.4	1.47	140	<10	60	0.5	<2	0.08	<0.5	8	24	40	3.93
W424836		0.47	<0.001	0.2	1.52	86	<10	60	<0.5	<2	0.06	<0.5	8	25	25	4.00
W424837		0.49	0.055	0.3	1.50	294	<10	80	0.6	<2	0.04	<0.5	10	23	46	4.66
W424838		0.52	0.006	0.5	1.52	240	<10	50	0.6	<2	0.05	<0.5	15	24	44	4.43
W424839		0.34	0.002	0.2	1.40	61	<10	60	<0.5	<2	0.07	<0.5	11	27	23	3.82
W424840		0.40	0.106	0.3	1.63	490	<10	110	0.7	<2	0.08	<0.5	11	30	28	3.20
W424841		0.47	0.022	0.2	1.53	294	<10	90	0.5	<2	0.09	<0.5	8	25	22	2.85
W424842		0.48	0.008	<0.2	1.36	206	<10	60	<0.5	<2	0.05	<0.5	5	24	18	2.66
W424843		0.47	0.019	0.6	1.48	281	<10	80	0.5	<2	0.07	<0.5	10	26	33	3.31
W424844		0.48	0.017	0.5	1.36	106	<10	80	<0.5	<2	0.09	<0.5	10	24	26	3.16
W424845		0.44	0.017	0.3	1.50	82	<10	90	<0.5	<2	0.10	<0.5	10	30	23	3.27
W424846		0.43	0.012	0.3	1.41	103	<10	90	<0.5	<2	0.06	<0.5	9	27	27	3.57
W424847		0.46	0.007	0.3	1.50	74	<10	70	<0.5	<2	0.06	<0.5	9	25	23	3.54
W424848		0.46	0.004	0.6	1.22	59	<10	60	<0.5	<2	0.05	<0.5	10	25	26	3.65
W424849		0.42	0.021	0.5	1.45	79	<10	60	<0.5	<2	0.06	<0.5	6	27	15	3.73
W424850		0.33	0.002	2.2	1.19	38	<10	50	<0.5	<2	0.06	<0.5	4	23	10	3.34
W424851		0.34	0.019	2.1	1.14	156	<10	50	<0.5	<2	0.05	<0.5	5	21	18	3.23
W424852		0.39	0.001	<0.2	1.33	76	<10	50	<0.5	<2	0.05	<0.5	6	22	24	3.48
W424853		0.30	0.047	0.5	1.95	555	<10	110	0.8	<2	0.06	<0.5	11	34	30	4.28
W424854		0.29	0.015	0.4	1.59	432	<10	110	0.6	2	0.05	<0.5	6	25	29	3.18
W424855		0.33	0.009	0.6	1.19	437	<10	110	<0.5	2	0.06	<0.5	7	23	23	3.22
W424856		0.46	0.012	0.3	1.79	366	<10	100	0.7	<2	0.08	<0.5	14	30	35	3.44
W424857		0.47	0.011	0.4	1.39	143	<10	80	0.5	<2	0.07	<0.5	11	25	33	3.69
W424858		0.36	0.007	1.2	1.50	127	<10	70	0.5	<2	0.04	<0.5	13	24	36	3.66
W424859		0.42	0.009	1.0	1.52	133	<10	70	0.6	<2	0.05	<0.5	20	26	46	4.37
W424860		0.49	0.009	0.7	1.10	132	<10	50	<0.5	<2	0.12	<0.5	17	22	30	3.66
W424861		0.54	0.005	0.6	1.03	81	<10	40	<0.5	<2	0.03	<0.5	11	24	35	4.13
W424862		0.41	0.002	0.4	1.44	48	<10	50	<0.5	<2	0.06	<0.5	7	26	16	3.59
W424863		0.50	0.004	0.4	1.61	81	<10	90	<0.5	<2	0.09	<0.5	14	26	26	3.08
W424864		0.36	0.010	0.6	1.41	102	<10	60	<0.5	<2	0.06	<0.5	5	23	12	2.99
W424865		0.38	0.009	0.5	1.62	51	<10	60	<0.5	<2	0.11	<0.5	13	30	42	3.75
W424866		0.43	0.007	0.9	1.59	83	<10	70	<0.5	<2	0.06	<0.5	8	27	18	3.45
W424867		0.46	0.017	3.0	1.48	152	<10	60	0.5	<2	0.04	0.6	13	23	32	4.27
W424868		0.40	0.019	3.7	0.76	95	<10	40	<0.5	<2	0.04	<0.5	5	17	18	3.07
W424869		0.41	0.019	2.0	1.04	29	<10	50	<0.5	<2	0.03	<0.5	4	19	24	3.51
W424870		0.41	0.009	0.6	1.92	57	<10	70	<0.5	<2	0.06	<0.5	9	26	17	3.22
W424871		0.45	0.019	1.6	1.23	88	<10	50	<0.5	<2	0.06	<0.5	11	22	40	3.66
W424872		0.44	0.008	0.6	2.27	16	<10	110	0.5	<2	0.09	<0.5	9	35	25	3.51
W424873		0.47	0.024	0.4	0.96	51	<10	50	0.5	2	0.12	0.6	7	19	27	2.87
W424874		0.42	0.003	0.8	1.07	20	<10	60	<0.5	<2	0.03	<0.5	4	23	23	2.82



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 VANCOUVER BC V6E 3V6

Page: 5 - B  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 27-AUG-2017  
 Account: PARIEX

Project: RC PROPERTY

**CERTIFICATE OF ANALYSIS WH17159411**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
W424835		10	<1	0.06	30	0.44	293	1	0.02	18	880	17	0.05	<2	1	24
W424836		10	<1	0.05	20	0.31	381	2	0.01	20	510	19	0.03	3	2	11
W424837		10	<1	0.06	30	0.38	419	1	0.01	26	700	25	0.05	2	1	18
W424838		10	<1	0.05	30	0.41	494	1	0.01	26	820	34	0.05	<2	1	18
W424839		10	<1	0.05	20	0.32	445	1	0.01	18	570	23	0.04	2	1	10
W424840		10	1	0.08	20	0.45	305	1	0.02	23	620	10	0.06	2	2	18
W424841		<10	1	0.06	20	0.39	269	1	0.01	18	600	9	0.03	<2	2	14
W424842		10	1	0.05	10	0.29	197	1	0.01	14	590	9	0.04	<2	1	11
W424843		<10	<1	0.07	20	0.39	308	1	0.01	20	710	15	0.05	2	1	16
W424844		<10	1	0.04	20	0.39	366	1	0.01	22	640	17	0.02	2	2	12
W424845		<10	<1	0.05	20	0.42	385	1	0.01	22	680	17	0.03	<2	2	13
W424846		10	<1	0.05	20	0.35	327	1	0.01	23	690	24	0.03	2	1	11
W424847		10	<1	0.05	20	0.34	323	1	0.01	18	670	17	0.02	2	1	10
W424848		10	<1	0.05	20	0.28	309	2	0.01	24	630	19	0.03	2	1	9
W424849		10	<1	0.04	20	0.27	283	2	0.01	13	490	26	0.03	<2	2	9
W424850		10	<1	0.03	10	0.18	297	1	0.01	10	510	29	0.03	2	2	9
W424851		10	<1	0.04	20	0.16	197	1	0.01	14	580	49	0.04	7	1	9
W424852		10	<1	0.06	20	0.25	297	1	0.01	17	520	18	0.03	2	1	11
W424853		10	<1	0.09	20	0.46	368	2	0.02	22	570	13	0.07	<2	2	19
W424854		10	<1	0.08	20	0.32	206	1	0.02	15	670	13	0.09	3	1	19
W424855		10	<1	0.07	20	0.26	416	1	0.02	14	680	13	0.08	2	1	17
W424856		10	<1	0.08	20	0.40	503	1	0.02	22	700	16	0.06	3	1	17
W424857		<10	1	0.05	20	0.39	336	1	0.01	27	610	17	0.02	<2	2	13
W424858		10	<1	0.06	20	0.28	266	1	0.01	33	900	22	0.05	2	1	12
W424859		<10	<1	0.07	20	0.37	499	2	0.01	41	860	25	0.05	3	2	12
W424860		<10	<1	0.04	20	0.29	465	1	0.01	35	770	26	0.02	<2	2	12
W424861		<10	<1	0.05	20	0.26	320	1	0.01	28	840	20	0.05	<2	1	9
W424862		10	<1	0.04	10	0.26	305	1	0.01	15	490	17	0.02	<2	2	9
W424863		<10	1	0.05	20	0.39	559	1	0.01	28	610	19	0.02	<2	2	11
W424864		10	<1	0.03	10	0.21	232	1	0.01	11	410	17	0.02	2	2	9
W424865		10	<1	0.07	20	0.49	548	2	0.02	26	900	76	0.05	<2	2	15
W424866		10	1	0.05	10	0.29	410	1	0.01	15	600	72	0.03	3	1	9
W424867		10	<1	0.06	20	0.28	938	1	0.01	21	720	177	0.05	4	1	10
W424868		<10	<1	0.03	20	0.12	355	1	0.01	11	420	123	0.03	7	1	7
W424869		10	<1	0.04	20	0.13	202	2	0.01	10	600	35	0.03	3	1	11
W424870		10	<1	0.04	10	0.32	425	1	0.01	16	500	40	0.02	2	2	8
W424871		<10	<1	0.06	20	0.32	498	1	0.01	19	850	75	0.07	6	1	11
W424872		10	<1	0.06	10	0.55	403	2	0.01	17	700	20	0.04	<2	2	14
W424873		<10	<1	0.05	20	0.29	226	1	0.01	16	710	35	0.03	<2	1	11
W424874		10	<1	0.09	20	0.20	177	2	0.01	11	800	24	0.07	2	1	10



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 VANCOUVER BC V6E 3V6

Page: 5 - C  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 27-AUG-2017  
 Account: PARIEX

Project: RC PROPERTY

**CERTIFICATE OF ANALYSIS WH17159411**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
W424835		<20	0.03	<10	<10	34	<10	68
W424836		<20	0.05	<10	<10	56	<10	70
W424837		<20	0.02	<10	<10	33	<10	79
W424838		<20	0.02	<10	<10	30	<10	86
W424839		<20	0.04	<10	<10	50	<10	64
W424840		<20	0.04	<10	<10	40	10	63
W424841		<20	0.04	<10	<10	38	<10	58
W424842		<20	0.03	<10	<10	41	<10	45
W424843		<20	0.03	<10	<10	39	<10	63
W424844		<20	0.04	<10	<10	41	<10	73
W424845		<20	0.05	<10	<10	49	<10	71
W424846		<20	0.04	<10	<10	46	<10	70
W424847		<20	0.04	<10	<10	45	<10	64
W424848		<20	0.04	<10	<10	42	<10	69
W424849		<20	0.05	<10	<10	62	<10	53
W424850		<20	0.07	<10	<10	70	<10	43
W424851		<20	0.04	<10	<10	51	<10	47
W424852		<20	0.04	<10	<10	47	<10	56
W424853		<20	0.06	<10	<10	50	<10	70
W424854		<20	0.04	<10	<10	42	<10	51
W424855		<20	0.05	<10	<10	49	<10	47
W424856		<20	0.04	<10	<10	46	<10	68
W424857		<20	0.03	<10	<10	38	<10	76
W424858		<20	0.02	<10	<10	36	<10	74
W424859		<20	0.02	<10	<10	34	<10	91
W424860		<20	0.04	<10	<10	37	<10	99
W424861		<20	0.03	<10	<10	33	<10	84
W424862		<20	0.05	<10	<10	59	<10	49
W424863		<20	0.05	<10	<10	39	<10	78
W424864		<20	0.04	<10	<10	53	<10	43
W424865		<20	0.05	<10	<10	53	<10	134
W424866		<20	0.04	<10	<10	55	<10	105
W424867		<20	0.04	<10	<10	48	<10	167
W424868		<20	0.04	<10	<10	45	<10	105
W424869		<20	0.04	<10	<10	65	<10	55
W424870		<20	0.05	<10	<10	48	<10	68
W424871		<20	0.02	<10	<10	33	<10	107
W424872		<20	0.06	<10	<10	71	<10	72
W424873		<20	0.04	<10	<10	32	<10	58
W424874		<20	0.05	<10	<10	55	10	45





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Page: 6 - A  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 27-AUG-2017  
 Account: PARIEX

Project: RC PROPERTY

**CERTIFICATE OF ANALYSIS WH17159411**

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOR																
W424875		0.30	0.006	1.0	1.10	52	<10	60	<0.5	<2	0.04	<0.5	4	20	11	2.31
W424876		0.43	0.006	0.3	1.58	21	<10	100	<0.5	<2	0.07	<0.5	6	26	17	2.93
W424877		0.39	0.007	0.3	1.38	23	<10	70	<0.5	<2	0.05	<0.5	6	23	16	2.86
W424878		0.44	0.039	0.5	1.53	185	<10	100	1.1	2	0.27	<0.5	48	29	98	4.82
W424879		0.47	0.087	1.6	1.32	443	<10	80	1.6	2	0.33	<0.5	32	24	91	5.05
W424880		0.49	0.006	<0.2	1.63	28	<10	100	0.6	<2	0.13	<0.5	10	35	20	3.11
W424881		0.48	0.095	0.2	2.10	377	<10	120	0.7	2	0.21	<0.5	15	34	51	3.13
W424882		0.48	0.044	0.4	2.63	360	<10	180	1.5	<2	0.29	<0.5	30	50	59	4.43
W424883		0.41	0.057	0.7	2.38	338	<10	170	1.3	3	0.40	<0.5	18	45	51	4.21
W424884		0.34	0.055	0.6	2.12	230	<10	90	1.1	4	0.10	<0.5	14	38	63	3.85
W424885		0.47	0.034	0.4	1.78	136	<10	150	1.0	<2	0.29	<0.5	23	38	48	3.71
W424886		0.36	0.066	3.6	2.12	185	<10	110	1.0	2	0.13	<0.5	15	36	69	3.92
W424887		0.32	0.071	0.6	1.76	109	<10	90	0.9	2	0.12	<0.5	19	32	55	3.67
W424888		0.53	0.080	0.7	1.99	233	<10	140	1.1	2	0.19	<0.5	19	36	63	4.06
W424889		0.44	0.076	1.0	1.90	227	<10	130	1.2	3	0.21	<0.5	20	35	71	4.15
W424890		0.40	0.222	0.4	2.08	306	<10	160	1.4	3	0.23	<0.5	26	38	109	4.35
W424891		0.39	0.072	0.5	1.50	265	<10	120	1.2	3	0.12	<0.5	26	27	78	4.44
W424892		0.39	0.024	0.3	1.93	73	<10	100	0.7	2	0.11	<0.5	14	27	60	5.16
W424893		0.32	0.033	1.8	1.65	215	<10	90	0.7	2	0.13	<0.5	14	31	40	3.40
W424894		0.37	0.019	0.8	2.34	130	<10	150	0.9	<2	0.12	<0.5	20	38	45	3.42
W424895		0.51	0.059	1.4	1.82	459	<10	130	0.9	2	0.19	<0.5	24	40	64	3.74
W424896		0.35	0.006	0.2	1.91	54	<10	190	0.8	<2	0.22	0.5	19	36	28	3.39
W424897		0.37	0.045	1.0	1.69	153	<10	140	1.1	3	0.38	<0.5	19	32	47	4.34
W424898		0.37	0.033	0.5	1.38	102	<10	80	0.8	<2	0.26	<0.5	15	26	36	3.62
W424899		0.35	0.031	0.6	1.67	87	<10	150	0.8	<2	0.23	0.6	16	32	41	3.69
W424900		0.23	0.016	0.7	1.48	75	<10	70	0.7	<2	0.09	<0.5	7	25	30	3.32
W424901		0.54	0.012	1.0	1.27	65	<10	50	<0.5	<2	0.06	<0.5	10	24	18	3.40
W424902		0.45	0.015	0.9	0.96	47	<10	40	<0.5	<2	0.05	<0.5	6	22	17	3.96
W424903		0.54	0.023	2.6	1.70	74	<10	70	0.5	<2	0.06	0.6	11	25	30	4.15
W424904		0.53	0.034	1.7	1.43	119	<10	50	<0.5	<2	0.04	<0.5	9	27	28	4.93
W424905		0.44	0.008	0.6	1.76	44	<10	80	<0.5	<2	0.06	<0.5	9	30	17	3.35
W424906		0.64	0.016	1.1	1.36	69	<10	50	<0.5	<2	0.06	<0.5	10	27	19	4.04
W424907		0.56	0.030	1.6	1.31	115	<10	70	<0.5	2	0.08	0.7	13	24	35	3.55
W424908		0.55	0.011	0.7	1.63	17	<10	100	0.5	2	0.10	0.5	11	27	29	3.09
W424909		0.59	0.031	1.2	1.44	43	<10	90	0.6	2	0.09	0.5	10	25	33	3.75
W424910		0.53	0.011	0.6	1.33	22	<10	80	<0.5	2	0.07	<0.5	10	26	21	3.46
W424911		0.55	0.006	0.6	0.89	26	<10	60	<0.5	2	0.06	<0.5	4	23	23	3.09
W424912		0.52	0.005	0.5	1.42	23	<10	90	<0.5	<2	0.08	<0.5	8	26	23	3.06
W424913		0.57	0.010	0.4	1.29	25	<10	80	<0.5	3	0.06	<0.5	8	24	20	3.22
W424914		0.42	0.040	1.0	1.90	56	<10	90	1.2	4	0.31	<0.5	15	30	50	4.12



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Page: 6 - B  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 27-AUG-2017  
 Account: PARIEX

Project: RC PROPERTY

**CERTIFICATE OF ANALYSIS WH17159411**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
W424875		10	<1	0.03	10	0.16	130	1	0.01	8	560	15	0.04	<2	1	8
W424876		<10	<1	0.04	10	0.34	258	1	0.01	14	530	16	0.02	<2	1	10
W424877		<10	<1	0.04	10	0.27	252	1	0.01	11	600	18	0.03	2	1	9
W424878		<10	<1	0.19	30	0.62	1315	1	0.02	90	970	30	0.07	3	3	37
W424879		<10	<1	0.23	40	0.48	1415	1	0.02	68	900	50	0.07	<2	4	38
W424880		<10	<1	0.08	20	0.52	454	1	0.01	21	740	15	0.03	3	2	14
W424881		10	<1	0.21	20	0.88	494	1	0.02	35	810	11	0.05	3	3	25
W424882		10	<1	0.61	40	1.27	983	1	0.01	63	800	22	0.04	<2	5	20
W424883		10	<1	0.42	30	1.16	742	1	0.01	45	890	20	0.06	3	4	26
W424884		10	<1	0.21	30	0.83	577	1	0.01	33	760	19	0.09	2	3	14
W424885		10	<1	0.23	30	0.72	933	2	0.01	41	870	20	0.08	<2	2	21
W424886		10	<1	0.26	30	0.86	559	3	0.01	39	720	209	0.07	2	3	16
W424887		10	<1	0.18	20	0.69	708	1	0.01	42	700	19	0.05	<2	2	14
W424888		10	<1	0.34	30	0.86	837	1	0.01	46	700	17	0.05	2	3	17
W424889		10	<1	0.40	30	0.82	808	1	0.01	47	670	27	0.07	3	4	21
W424890		10	<1	0.51	30	1.00	944	2	0.01	61	780	18	0.06	2	5	22
W424891		10	<1	0.28	30	0.46	968	1	0.01	49	610	22	0.11	3	3	27
W424892		10	<1	0.19	20	0.58	325	1	0.02	24	1150	14	0.17	<2	3	26
W424893		<10	<1	0.11	20	0.57	545	2	0.01	31	700	43	0.05	3	1	12
W424894		10	1	0.15	20	0.71	818	2	0.01	36	670	37	0.04	2	3	13
W424895		10	<1	0.35	20	0.77	889	3	0.02	45	820	23	0.05	<2	3	18
W424896		10	<1	0.17	20	0.55	895	1	0.02	28	980	20	0.07	<2	2	36
W424897		10	<1	0.16	30	0.50	783	1	0.02	47	750	42	0.07	3	3	32
W424898		<10	<1	0.17	20	0.51	408	1	0.02	38	470	22	0.05	<2	3	22
W424899		10	<1	0.19	30	0.51	727	1	0.02	38	710	24	0.09	<2	3	30
W424900		10	<1	0.14	20	0.30	295	1	0.02	18	520	31	0.09	<2	2	19
W424901		<10	<1	0.04	20	0.25	414	1	0.01	15	460	73	0.02	4	2	8
W424902		10	<1	0.04	20	0.18	262	2	0.01	12	500	95	0.03	2	2	8
W424903		10	1	0.08	20	0.37	516	1	0.01	18	700	133	0.04	4	2	11
W424904		10	<1	0.05	20	0.28	365	2	0.01	17	660	102	0.03	4	2	10
W424905		10	<1	0.04	10	0.32	474	2	0.01	14	670	39	0.03	2	1	9
W424906		10	1	0.05	10	0.28	625	1	0.01	16	710	74	0.04	4	1	9
W424907		<10	<1	0.06	20	0.36	529	1	0.01	22	760	67	0.04	5	2	12
W424908		10	<1	0.05	20	0.43	537	2	0.01	19	770	25	0.03	<2	3	13
W424909		<10	<1	0.09	20	0.37	376	2	0.01	19	750	35	0.03	<2	2	12
W424910		10	<1	0.06	20	0.30	513	1	0.01	16	680	24	0.05	2	1	10
W424911		10	<1	0.07	20	0.20	192	2	0.01	13	780	18	0.07	<2	1	11
W424912		<10	<1	0.05	20	0.37	384	1	0.01	19	670	13	0.05	<2	1	12
W424913		<10	<1	0.05	20	0.28	378	1	0.01	16	670	13	0.03	2	2	10
W424914		10	<1	0.21	40	0.53	673	1	0.01	42	580	31	0.08	<2	3	30



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 VANCOUVER BC V6E 3V6

Page: 6 - C  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 27-AUG-2017  
 Account: PARIEX

Project: RC PROPERTY

**CERTIFICATE OF ANALYSIS WH17159411**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
W424875		<20	0.04	<10	<10	44	<10	28
W424876		<20	0.04	<10	<10	47	<10	53
W424877		<20	0.03	<10	<10	47	<10	44
W424878		<20	0.05	<10	<10	35	<10	110
W424879		20	0.04	<10	<10	28	10	126
W424880		<20	0.06	<10	<10	52	<10	55
W424881		<20	0.09	<10	<10	54	<10	73
W424882		<20	0.11	<10	<10	49	10	96
W424883		<20	0.09	<10	<10	49	10	100
W424884		<20	0.07	<10	<10	46	<10	87
W424885		<20	0.06	<10	<10	42	<10	89
W424886		<20	0.07	<10	<10	53	20	114
W424887		<20	0.06	<10	<10	42	10	88
W424888		<20	0.08	<10	<10	43	10	93
W424889		<20	0.08	<10	<10	40	10	98
W424890		<20	0.08	<10	<10	59	10	102
W424891		<20	0.06	<10	<10	34	10	82
W424892		<20	0.06	<10	<10	69	<10	65
W424893		<20	0.05	<10	<10	52	20	113
W424894		<20	0.08	<10	<10	58	20	105
W424895		<20	0.08	<10	<10	44	70	95
W424896		<20	0.09	<10	<10	42	10	107
W424897		<20	0.06	<10	<10	38	20	115
W424898		<20	0.05	<10	<10	30	10	88
W424899		<20	0.07	<10	<10	38	10	123
W424900		<20	0.06	<10	<10	39	<10	79
W424901		<20	0.05	<10	<10	46	<10	89
W424902		<20	0.07	<10	<10	61	<10	77
W424903		<20	0.04	<10	<10	45	<10	121
W424904		<20	0.04	<10	<10	52	<10	101
W424905		<20	0.04	<10	<10	56	<10	61
W424906		<20	0.04	<10	<10	39	<10	75
W424907		<20	0.03	<10	<10	38	<10	105
W424908		<20	0.05	<10	<10	47	<10	82
W424909		<20	0.05	<10	<10	39	<10	71
W424910		<20	0.05	<10	<10	43	<10	60
W424911		<20	0.05	<10	<10	47	<10	48
W424912		<20	0.04	<10	<10	45	<10	64
W424913		<20	0.05	<10	<10	45	<10	54
W424914		<20	0.05	<10	<10	30	<10	131



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Page: 7 - A  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 27-AUG-2017  
 Account: PARIEX

Project: RC PROPERTY

**CERTIFICATE OF ANALYSIS WH17159411**

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W424915		0.56	0.041	0.3	1.76	60	<10	100	0.9	<2	0.13	<0.5	14	30	50	3.99
W424916		0.49	0.036	0.9	1.30	50	<10	70	0.9	2	0.13	0.5	22	23	47	3.66
W424917		0.43	0.008	0.4	1.37	18	<10	90	0.6	<2	0.08	<0.5	8	24	23	2.84
W424918		0.36	0.061	3.6	2.22	329	<10	120	1.5	2	0.14	<0.5	39	35	73	4.45
W424919		0.56	0.021	3.7	2.09	193	<10	130	1.0	<2	0.10	0.5	14	35	38	4.10
W424920		0.54	0.047	0.8	1.25	277	<10	70	1.1	5	0.22	<0.5	18	26	47	4.42
W424921		0.58	0.021	0.5	2.22	191	<10	160	1.4	2	0.23	<0.5	22	42	63	4.57
W424922		0.40	0.008	0.2	1.72	63	<10	100	0.6	2	0.10	<0.5	10	33	33	3.55
W424923		0.62	0.023	0.3	1.86	250	<10	140	1.3	3	0.25	<0.5	24	35	60	4.22
W424924		0.44	0.015	0.4	2.40	78	<10	140	0.9	4	0.15	0.5	15	40	43	3.14
W424925		0.51	0.061	0.2	2.17	43	<10	140	0.8	2	0.16	<0.5	13	35	45	3.50
W424926		0.53	0.131	0.6	2.17	44	<10	160	1.2	3	0.34	<0.5	17	38	72	4.10
W424927		0.54	0.020	0.2	1.55	111	<10	100	0.8	<2	0.20	<0.5	17	34	48	3.47
W424928		0.40	0.026	0.3	1.64	100	<10	130	0.8	2	0.17	<0.5	14	37	44	3.49
W424929		0.48	0.020	0.3	1.65	216	<10	120	0.7	2	0.11	<0.5	18	36	35	3.54
W424930		0.44	0.046	0.2	1.72	40	<10	110	0.7	2	0.22	<0.5	20	37	62	3.45
W424931		0.59	0.036	0.2	2.22	163	<10	150	1.1	2	0.23	<0.5	33	40	99	4.27
W424932		0.47	0.043	0.3	1.78	52	<10	110	0.7	2	0.17	<0.5	31	35	76	4.17
W424933		0.67	0.044	1.0	2.46	483	<10	200	1.6	2	0.26	0.5	42	50	110	4.75
W424934		0.59	0.051	0.9	2.08	656	<10	170	1.5	2	0.34	<0.5	24	39	71	4.14
W424935		0.41	0.035	0.6	1.73	694	<10	140	1.5	3	0.19	0.5	15	32	64	4.62
W424936		0.42	0.098	0.6	2.35	775	<10	180	1.5	4	0.16	0.6	57	39	96	4.85
W424937		0.58	0.053	1.0	1.90	266	<10	130	1.3	3	0.17	0.6	68	34	114	4.87
W424938		0.63	0.022	0.4	1.63	278	<10	90	0.9	<2	0.07	<0.5	28	30	73	4.49
W424939		0.62	0.013	0.4	1.76	41	<10	120	1.1	2	0.05	<0.5	36	36	34	4.71
W424940		0.37	0.016	0.2	1.61	16	<10	90	<0.5	<2	0.09	<0.5	10	29	25	3.15
W425001		0.32	0.050	0.7	1.71	147	<10	120	1.0	<2	0.16	<0.5	19	32	48	4.16
W425002		0.39	0.129	0.9	1.36	173	<10	100	0.9	2	0.22	0.5	15	25	46	3.52
W425003		0.38	0.014	0.7	1.72	49	<10	100	0.9	<2	0.21	0.5	13	32	38	3.96
W425004		0.33	0.028	2.4	1.78	75	<10	100	1.0	2	0.22	<0.5	17	33	52	3.88
W425005		0.26	0.012	0.2	1.26	47	<10	130	<0.5	<2	0.27	<0.5	12	25	24	2.43
W425006		0.53	0.019	0.4	1.53	189	<10	130	0.9	<2	0.40	<0.5	26	32	50	3.29
W425007		0.41	0.016	0.2	1.87	307	<10	100	0.7	2	0.11	<0.5	11	34	33	2.99
W425008		0.41	0.042	4.5	1.67	417	<10	130	1.0	<2	0.24	0.9	18	32	51	3.29
W425009		0.38	0.095	6.4	1.90	423	<10	130	1.1	4	0.25	0.7	35	33	90	4.33
W425010		0.43	0.082	0.8	1.85	281	<10	120	0.9	3	0.18	<0.5	34	34	84	4.28
W425 011		0.53	0.073	0.2	1.69	220	<10	110	0.7	<2	0.21	<0.5	22	30	66	3.47
W425012		0.39	0.098	0.2	1.69	250	<10	130	0.8	2	0.20	<0.5	24	29	75	3.70
W425013		0.42	0.172	0.2	2.24	243	<10	150	1.2	5	0.22	<0.5	50	42	92	4.55
W425014		0.41	0.115	0.3	2.08	250	<10	140	1.0	5	0.17	<0.5	26	34	87	4.42





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Page: 7 - B  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 27-AUG-2017  
 Account: PARIEX

Project: RC PROPERTY

**CERTIFICATE OF ANALYSIS WH17159411**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
W424915		10	<1	0.22	40	0.49	469	1	0.02	38	840	23	0.11	<2	2	25
W424916		<10	<1	0.16	40	0.37	717	1	0.01	49	800	24	0.08	2	2	21
W424917		<10	<1	0.11	20	0.36	358	1	0.01	21	570	10	0.07	<2	1	13
W424918		10	<1	0.24	40	0.82	1505	1	0.01	64	1050	22	0.07	2	3	14
W424919		10	<1	0.26	30	0.81	788	1	0.01	40	500	138	0.04	<2	3	11
W424920		<10	<1	0.14	50	0.54	1130	1	0.01	48	710	14	0.02	2	4	13
W424921		10	<1	0.42	50	1.06	1010	1	0.01	52	560	17	0.02	2	5	15
W424922		10	<1	0.13	20	0.61	499	1	0.01	26	870	15	0.09	<2	1	11
W424923		10	<1	0.19	60	0.70	1405	1	0.01	51	1120	22	0.06	<2	3	18
W424924		10	<1	0.17	20	0.77	654	2	0.02	42	930	19	0.07	<2	2	14
W424925		10	<1	0.23	20	0.68	421	1	0.01	32	680	11	0.05	2	3	22
W424926		10	<1	0.43	40	0.88	634	1	0.01	45	820	16	0.06	<2	4	25
W424927		10	1	0.21	20	0.55	519	1	0.01	44	670	14	0.07	<2	3	25
W424928		10	<1	0.21	20	0.52	545	1	0.02	37	710	13	0.09	<2	2	23
W424929		10	<1	0.17	20	0.47	790	2	0.02	33	960	19	0.11	<2	2	15
W424930		<10	<1	0.23	20	0.71	682	3	0.02	49	810	14	0.07	<2	3	21
W424931		10	<1	0.29	20	0.82	879	2	0.02	67	920	17	0.12	<2	3	31
W424932		10	<1	0.22	20	0.57	652	1	0.02	63	960	13	0.16	<2	3	24
W424933		10	<1	0.43	30	1.00	1375	4	0.02	86	1040	32	0.09	<2	5	26
W424934		10	<1	0.50	30	0.95	1065	2	0.02	48	860	27	0.06	<2	5	24
W424935		10	<1	0.20	20	0.58	569	4	0.02	40	1080	42	0.17	2	2	21
W424936		10	<1	0.32	30	0.88	1675	3	0.02	86	1010	38	0.10	<2	4	23
W424937		<10	<1	0.27	40	0.55	1715	3	0.03	94	1290	38	0.14	<2	5	21
W424938		<10	<1	0.15	20	0.49	531	3	0.02	52	740	18	0.12	2	3	16
W424939		10	<1	0.32	30	0.47	745	6	0.02	58	770	23	0.12	2	5	19
W424940		<10	<1	0.04	10	0.42	432	1	0.01	22	780	12	0.06	<2	2	11
W425001		10	<1	0.26	40	0.53	750	1	0.02	38	630	27	0.14	<2	3	26
W425002		<10	<1	0.24	40	0.41	593	1	0.02	39	540	47	0.12	<2	3	27
W425003		10	<1	0.24	30	0.49	381	1	0.03	29	520	31	0.20	<2	3	47
W425004		10	<1	0.20	30	0.59	426	<1	0.02	43	440	24	0.09	<2	3	27
W425005		<10	<1	0.09	10	0.35	743	1	0.02	19	900	18	0.09	2	1	21
W425006		<10	<1	0.16	20	0.51	824	1	0.01	55	880	18	0.06	<2	3	26
W425007		10	<1	0.20	20	0.67	592	2	0.01	26	650	18	0.05	2	2	11
W425008		10	<1	0.25	20	0.63	708	1	0.01	44	840	126	0.09	2	3	24
W425009		10	2	0.22	30	0.74	1035	3	0.02	65	970	112	0.12	5	3	23
W425010		10	1	0.25	20	0.67	942	5	0.02	58	1030	28	0.12	<2	4	18
W425 011		10	<1	0.18	20	0.69	697	2	0.01	48	810	16	0.06	<2	3	17
W425012		10	1	0.19	20	0.64	569	2	0.02	54	780	20	0.09	<2	3	22
W425013		10	<1	0.62	30	1.05	1150	3	0.01	70	760	24	0.07	<2	5	18
W425014		10	<1	0.40	20	0.83	609	5	0.01	52	740	16	0.12	3	3	23



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Page: 7 - C  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 27-AUG-2017  
 Account: PARIEX

Project: RC PROPERTY

**CERTIFICATE OF ANALYSIS WH17159411**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
W424915		<20	0.07	<10	<10	35	<10	99
W424916		<20	0.05	<10	<10	29	<10	108
W424917		<20	0.06	<10	<10	39	<10	70
W424918		<20	0.05	<10	<10	39	<10	123
W424919		<20	0.10	<10	<10	44	<10	166
W424920		<20	0.04	<10	<10	31	<10	91
W424921		<20	0.08	<10	<10	47	<10	92
W424922		<20	0.07	<10	<10	54	<10	71
W424923		<20	0.05	<10	<10	37	10	95
W424924		<20	0.08	<10	<10	51	<10	94
W424925		<20	0.11	<10	<10	48	<10	74
W424926		<20	0.09	<10	<10	40	<10	88
W424927		<20	0.07	<10	<10	40	10	84
W424928		<20	0.07	<10	<10	46	10	75
W424929		<20	0.06	<10	<10	52	<10	76
W424930		<20	0.09	<10	<10	60	20	81
W424931		<20	0.09	<10	<10	51	30	94
W424932		<20	0.08	<10	<10	47	10	81
W424933		<20	0.09	<10	<10	52	40	149
W424934		<20	0.09	<10	<10	55	60	106
W424935		<20	0.06	<10	<10	46	30	101
W424936		<20	0.07	<10	<10	51	30	132
W424937		<20	0.07	<10	<10	44	30	155
W424938		<20	0.05	<10	<10	46	10	80
W424939		<20	0.05	<10	<10	47	10	81
W424940		<20	0.05	<10	<10	53	<10	64
W425001		<20	0.07	<10	<10	36	10	112
W425002		<20	0.06	<10	<10	30	10	131
W425003		<20	0.08	<10	<10	32	<10	109
W425004		<20	0.05	<10	<10	35	20	123
W425005		<20	0.05	<10	<10	38	<10	71
W425006		<20	0.05	<10	<10	35	10	112
W425007		<20	0.09	<10	<10	57	40	75
W425008		<20	0.07	<10	<10	45	40	136
W425009		<20	0.07	<10	<10	50	40	159
W425010		<20	0.07	<10	<10	46	40	119
W425 011		<20	0.07	<10	<10	45	50	88
W425012		<20	0.07	<10	<10	44	20	88
W425013		<20	0.09	<10	<10	47	30	101
W425014		<20	0.08	<10	<10	45	20	86



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Page: 8 - A  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 27-AUG-2017  
 Account: PARIEX

Project: RC PROPERTY

**CERTIFICATE OF ANALYSIS WH17159411**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W425015		0.51	0.014	0.4	1.51	44	<10	120	1.1	<2	0.05	<0.5	15	30	43	4.16
W425016		0.31	0.034	0.4	1.52	52	<10	240	0.6	<2	0.16	<0.5	14	30	43	3.89
W425017		0.45	0.034	0.3	1.89	70	<10	180	0.7	2	0.17	<0.5	23	40	51	3.72
W425018		0.44	0.022	0.3	1.56	99	<10	140	0.8	<2	0.21	<0.5	21	31	55	3.53
W425019		0.59	0.044	0.4	1.65	75	<10	170	0.8	2	0.31	<0.5	25	35	59	3.60
W425020		0.48	0.045	0.2	1.77	133	<10	120	0.9	2	0.26	<0.5	22	40	42	3.35
W425021		0.46	0.021	<0.2	1.24	154	<10	70	0.5	<2	0.17	<0.5	17	26	38	2.85
W425022		0.53	0.052	0.3	1.54	389	<10	140	0.9	3	0.21	<0.5	19	32	47	3.15
W425023		0.49	0.040	0.5	1.91	742	<10	160	1.2	2	0.23	<0.5	29	35	72	3.77
W425024		0.43	0.053	0.4	1.80	497	<10	140	1.2	2	0.25	<0.5	24	32	62	3.65
W425025		0.34	0.042	0.2	1.93	141	<10	110	0.8	2	0.17	<0.5	29	34	71	3.32
W425026		0.37	0.064	0.6	2.68	353	<10	160	1.2	3	0.15	<0.5	62	42	120	5.44
W425027		0.46	0.065	0.3	2.12	329	<10	130	0.9	2	0.15	<0.5	39	35	101	4.38
W425028		0.54	0.247	1.1	2.19	429	<10	130	0.9	4	0.14	<0.5	62	39	123	4.83
W425029		0.53	0.044	0.3	2.00	75	<10	120	0.8	5	0.07	<0.5	14	34	78	4.85

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



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Page: 8 - B  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 27-AUG-2017  
 Account: PARIEX

Project: RC PROPERTY

**CERTIFICATE OF ANALYSIS WH17159411**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
W425015		10	<1	0.19	40	0.34	518	2	0.02	28	1020	25	0.18	3	4	23
W425016		<10	<1	0.37	30	0.56	479	1	0.02	25	930	16	0.25	2	2	35
W425017		10	<1	0.27	30	0.63	778	2	0.03	41	850	19	0.15	3	3	27
W425018		10	<1	0.17	20	0.56	630	1	0.01	50	640	16	0.06	2	3	17
W425019		10	<1	0.30	20	0.60	715	2	0.02	54	900	15	0.13	<2	3	38
W425020		10	<1	0.35	20	0.86	798	2	0.02	44	750	14	0.06	<2	3	18
W425021		<10	1	0.07	20	0.37	655	1	0.01	33	930	14	0.05	<2	1	12
W425022		<10	1	0.32	30	0.69	730	2	0.01	39	720	22	0.05	2	3	15
W425023		10	<1	0.28	30	0.78	1120	3	0.02	55	1010	31	0.07	<2	4	21
W425024		10	<1	0.19	30	0.72	1025	2	0.01	55	870	25	0.06	4	3	20
W425025		10	<1	0.11	20	0.63	1180	4	0.01	48	1020	25	0.07	<2	2	14
W425026		10	1	0.23	30	0.75	1325	5	0.02	66	1350	29	0.17	<2	4	24
W425027		10	<1	0.18	20	0.72	804	4	0.02	71	760	23	0.13	2	4	18
W425028		10	1	0.26	30	0.55	1510	3	0.02	60	1840	38	0.20	<2	4	29
W425029		10	<1	0.20	30	0.55	463	5	0.02	28	1390	24	0.15	<2	3	24

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



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Page: 8 - C  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 27-AUG-2017  
 Account: PARIEX

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**CERTIFICATE OF ANALYSIS WH17159411**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
W425015		<20	0.04	<10	<10	48	<10	74
W425016		<20	0.09	<10	<10	36	20	85
W425017		<20	0.09	<10	<10	47	10	97
W425018		<20	0.07	<10	<10	39	10	90
W425019		<20	0.08	<10	<10	39	40	92
W425020		<20	0.08	<10	<10	65	40	89
W425021		<20	0.04	<10	<10	41	20	70
W425022		<20	0.08	<10	<10	39	110	91
W425023		<20	0.07	<10	<10	47	90	120
W425024		<20	0.06	<10	<10	50	30	108
W425025		<20	0.06	<10	<10	52	20	109
W425026		<20	0.06	<10	<10	56	10	122
W425027		<20	0.07	<10	<10	52	20	121
W425028		<20	0.06	<10	<10	43	110	109
W425029		<20	0.05	<10	<10	48	20	85





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Page: Appendix 1  
Total # Appendix Pages: 1  
Finalized Date: 27-AUG-2017  
Account: PARIEX

Project: RC PROPERTY

**CERTIFICATE OF ANALYSIS WH17159411**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.  
LOG-21 SCR-41 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-ICP21 ME-ICP41



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Page: 1  
 Total # Pages: 2 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 4-SEP-2017  
 Account: PARIEX

**CERTIFICATE WH17159421**

Project: RC PROPERTY

This report is for 4 Rock samples submitted to our lab in Whitehorse, YT, Canada on 31-JUL-2017.

The following have access to data associated with this certificate:

GERRY CARLSON	COR COE
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-31	Pulverize split to 85% <75 um

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

To: PACIFIC RIDGE EXPLORATION LTD.  
 ATTN: GERRY CARLSON  
 SUITE 1100 - 1111 MELVILLE STREET  
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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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Page: 2 - A  
 Total # Pages: 2 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 4-SEP-2017  
 Account: PARIEX

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**CERTIFICATE OF ANALYSIS WH17159421**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W424951		1.92	0.048	0.6	0.03	12	<10	<10	<0.5	<2	0.02	<0.5	<1	28	3	0.33
W424952		1.71	0.002	1.2	0.03	24	<10	<10	<0.5	<2	0.01	0.9	1	18	4	0.42
W424953		2.16	0.001	0.2	0.11	35	<10	10	<0.5	<2	<0.01	<0.5	2	16	6	0.52
W424954		1.51	0.158	0.5	0.19	453	<10	10	<0.5	6	<0.01	<0.5	1	20	7	0.50



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Page: 2 - B  
 Total # Pages: 2 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 4-SEP-2017  
 Account: PARIEX

Project: RC PROPERTY

**CERTIFICATE OF ANALYSIS WH17159421**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm 10	Hg ppm 1	K % 0.01	La ppm 10	Mg % 0.01	Mn ppm 5	Mo ppm 1	Na % 0.01	Ni ppm 1	P ppm 10	Pb ppm 2	S % 0.01	Sb ppm 2	Sc ppm 1	Sr ppm 1
W424951		<10	<1	0.01	<10	0.01	32	<1	<0.01	2	20	150	0.04	4	<1	1
W424952		<10	<1	0.01	<10	<0.01	58	<1	<0.01	4	30	171	0.05	12	<1	1
W424953		<10	1	0.03	<10	0.01	45	<1	<0.01	5	40	21	0.02	2	<1	2
W424954		<10	1	0.03	<10	<0.01	23	<1	<0.01	2	100	31	0.05	5	1	5

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Page: 2 - C  
 Total # Pages: 2 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 4-SEP-2017  
 Account: PARIEX

Project: RC PROPERTY

<b>CERTIFICATE OF ANALYSIS WH17159421</b>
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		ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
Sample Description	Method Analyte Units LOR	Th ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
		20	0.01	10	10	1	10	2
W424951		<20	<0.01	<10	<10	1	<10	71
W424952		<20	<0.01	<10	<10	<1	<10	170
W424953		<20	<0.01	<10	<10	1	<10	19
W424954		<20	<0.01	<10	<10	2	20	23





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Page: Appendix 1  
Total # Appendix Pages: 1  
Finalized Date: 4-SEP-2017  
Account: PARIEX

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**CERTIFICATE OF ANALYSIS WH17159421**

### CERTIFICATE COMMENTS

#### LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, 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-ICP21	ME-ICP41		



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Page: 1  
 Total # Pages: 2 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 7-SEP-2017  
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**CERTIFICATE WH17161510**

Project: RC PROPERTY

This report is for 32 Soil samples submitted to our lab in Whitehorse, YT, Canada on 2-AUG-2017.

The following have access to data associated with this certificate:

GERRY CARLSON	COR COE	
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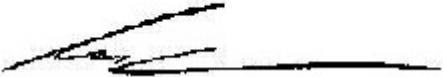
SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: PACIFIC RIDGE EXPLORATION LTD.  
 ATTN: GERRY CARLSON  
 SUITE 1100 - 1111 MELVILLE STREET  
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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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Page: 2 - A  
 Total # Pages: 2 (A - C)  
 Plus Appendix Pages  
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**CERTIFICATE OF ANALYSIS WH17161510**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W425031		0.42	0.005	<0.2	1.75	19	<10	110	<0.5	<2	0.08	<0.5	9	29	16	2.82
W425032		0.41	0.025	0.3	1.24	18	<10	70	<0.5	<2	0.10	<0.5	8	22	19	2.47
W425033		0.35	0.001	0.2	1.08	15	<10	70	<0.5	<2	0.05	<0.5	4	20	9	2.30
W425034		0.39	0.010	0.2	1.32	19	<10	60	<0.5	<2	0.07	<0.5	9	23	17	2.58
W425035		0.32	<0.001	0.4	1.23	17	<10	60	<0.5	<2	0.05	<0.5	7	25	19	2.58
W425036		0.41	0.008	0.2	1.17	24	<10	100	<0.5	<2	0.13	<0.5	9	23	20	2.67
W425037		0.40	0.002	0.3	1.41	18	<10	70	<0.5	<2	0.11	<0.5	9	25	23	3.06
W425038		0.50	0.004	0.2	1.72	13	<10	100	<0.5	<2	0.08	<0.5	10	27	21	3.08
W425039		0.37	0.002	0.2	1.34	13	<10	50	<0.5	<2	0.06	<0.5	4	22	15	2.58
W425040		0.44	0.004	0.2	1.49	16	<10	80	<0.5	<2	0.08	<0.5	8	25	25	2.95
W425041		0.45	0.002	0.6	1.28	14	<10	70	<0.5	<2	0.07	<0.5	20	21	21	2.43
W425042		0.40	0.001	0.2	1.49	15	<10	110	<0.5	<2	0.14	<0.5	13	26	33	3.09
W425043		0.38	0.001	0.5	1.58	21	<10	90	<0.5	<2	0.10	<0.5	11	27	31	3.51
W425044		0.52	0.004	<0.2	1.44	15	<10	120	<0.5	<2	0.09	<0.5	6	31	26	3.09
W425045		0.52	0.005	0.3	1.45	26	<10	90	<0.5	<2	0.06	<0.5	8	27	27	3.43
W425046		0.50	0.008	<0.2	1.21	78	<10	70	<0.5	<2	0.09	<0.5	9	25	22	2.97
W425047		0.57	0.005	0.2	1.28	22	<10	80	<0.5	<2	0.13	<0.5	12	27	24	3.02
W425048		0.47	0.004	<0.2	1.17	21	<10	80	<0.5	<2	0.07	<0.5	13	23	36	3.54
W424941		0.52	0.003	0.3	1.47	37	<10	60	<0.5	<2	0.05	<0.5	6	26	28	3.40
W424942		0.41	<0.001	0.4	0.97	38	<10	60	<0.5	<2	0.07	<0.5	5	20	30	3.12
W424943		0.44	0.007	1.0	1.27	32	<10	90	0.6	<2	0.10	0.6	14	25	38	3.72
W424944		0.57	0.007	2.7	1.02	150	<10	50	0.6	2	0.03	<0.5	7	23	49	4.89
W424945		0.55	0.007	0.6	0.97	40	<10	70	<0.5	<2	0.10	<0.5	10	22	33	3.20
W424946		0.48	0.009	0.3	1.08	21	<10	100	<0.5	<2	0.14	<0.5	10	23	25	2.62
W424947		0.53	0.002	0.2	1.25	18	<10	110	0.5	<2	0.18	0.6	14	22	32	2.82
W424948		0.61	0.010	0.3	1.48	22	<10	80	0.5	<2	0.09	<0.5	9	24	23	3.02
W424949		0.51	0.005	0.2	1.45	25	<10	80	<0.5	<2	0.07	<0.5	8	26	32	3.59
W424950		0.50	0.002	0.2	1.65	16	<10	90	0.5	<2	0.07	<0.5	10	28	35	3.93
W425049		0.57	0.001	0.2	1.17	26	<10	90	<0.5	<2	0.08	<0.5	8	22	26	3.11
W425050		0.54	0.001	<0.2	1.37	15	<10	60	<0.5	<2	0.05	<0.5	6	24	21	2.91
W422727		0.37	0.004	0.2	1.45	23	<10	90	<0.5	<2	0.10	<0.5	8	26	32	3.25
W422728		0.52	0.007	0.2	1.68	35	<10	120	0.5	<2	0.10	<0.5	13	35	35	3.67



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Page: 2 - B  
 Total # Pages: 2 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 7-SEP-2017  
 Account: PARIEX

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**CERTIFICATE OF ANALYSIS WH17161510**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
W425031		10	<1	0.04	20	0.41	347	1	0.01	17	570	13	0.03	<2	2	10
W425032		<10	<1	0.04	20	0.33	274	1	0.01	18	590	11	0.02	<2	2	10
W425033		10	<1	0.03	10	0.24	153	1	0.01	9	420	11	0.03	<2	1	8
W425034		<10	<1	0.04	10	0.33	360	1	0.01	15	640	11	0.03	<2	1	9
W425035		<10	<1	0.04	20	0.34	269	1	0.01	15	720	10	0.05	<2	<1	8
W425036		<10	<1	0.04	20	0.36	289	1	0.01	19	640	13	0.02	<2	2	13
W425037		<10	<1	0.04	20	0.39	320	1	0.01	21	680	17	0.03	<2	1	11
W425038		<10	<1	0.04	20	0.36	447	2	0.01	16	630	16	0.03	<2	2	11
W425039		10	<1	0.03	10	0.21	157	1	0.01	10	530	14	0.04	<2	1	9
W425040		<10	<1	0.04	20	0.41	283	1	0.01	20	500	14	0.02	<2	2	10
W425041		<10	<1	0.03	20	0.34	581	1	0.01	34	540	28	0.02	<2	1	8
W425042		<10	<1	0.04	30	0.48	418	1	0.01	29	820	15	0.02	<2	2	14
W425043		10	<1	0.05	20	0.40	456	1	0.02	23	990	32	0.07	<2	1	15
W425044		<10	<1	0.04	20	0.46	306	1	0.01	18	700	14	0.04	<2	1	15
W425045		<10	<1	0.04	20	0.44	297	1	0.01	18	640	18	0.02	<2	2	11
W425046		<10	<1	0.04	20	0.35	352	1	0.01	18	740	13	0.03	<2	1	13
W425047		<10	<1	0.05	20	0.41	367	1	0.01	22	820	12	0.02	<2	2	17
W425048		<10	<1	0.04	40	0.37	304	1	0.01	29	620	14	0.03	<2	2	14
W424941		<10	<1	0.05	20	0.39	228	1	0.01	17	570	20	0.05	<2	1	10
W424942		<10	<1	0.04	20	0.29	162	1	0.01	16	630	19	0.06	<2	1	13
W424943		<10	<1	0.05	30	0.35	410	1	0.01	30	800	54	0.06	<2	2	14
W424944		<10	1	0.10	30	0.27	194	1	0.01	19	740	107	0.08	3	2	10
W424945		<10	<1	0.08	20	0.32	350	1	0.01	19	620	14	0.05	<2	2	10
W424946		<10	<1	0.04	20	0.38	347	1	0.01	24	750	12	0.03	<2	2	13
W424947		<10	1	0.04	20	0.40	442	1	0.01	33	880	12	0.02	<2	2	15
W424948		<10	<1	0.04	20	0.37	396	1	0.01	18	750	20	0.03	<2	2	12
W424949		<10	<1	0.04	30	0.46	357	1	0.01	19	680	16	0.03	<2	2	14
W424950		<10	1	0.05	30	0.46	383	1	0.01	21	780	17	0.04	<2	1	15
W425049		<10	1	0.04	20	0.38	331	1	0.01	20	540	13	0.03	<2	2	14
W425050		<10	<1	0.03	20	0.29	282	1	0.01	13	740	12	0.04	<2	1	11
W422727		<10	<1	0.04	30	0.46	272	1	0.01	20	750	15	0.04	<2	2	15
W422728		10	<1	0.05	30	0.56	529	1	0.01	24	850	18	0.04	<2	2	18



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Page: 2 - C  
 Total # Pages: 2 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 7-SEP-2017  
 Account: PARIEX

Project: RC PROPERTY

**CERTIFICATE OF ANALYSIS WH17161510**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
W425031		<20	0.05	<10	<10	52	<10	64
W425032		<20	0.04	<10	<10	37	<10	61
W425033		<20	0.04	<10	<10	47	<10	36
W425034		<20	0.03	<10	<10	40	<10	54
W425035		<20	0.02	<10	<10	35	<10	54
W425036		<20	0.04	<10	<10	41	<10	60
W425037		<20	0.03	<10	<10	39	<10	70
W425038		<20	0.04	<10	<10	49	<10	55
W425039		<20	0.03	<10	<10	54	<10	37
W425040		<20	0.04	<10	<10	41	<10	58
W425041		<20	0.03	<10	<10	34	<10	68
W425042		<20	0.04	<10	<10	39	<10	77
W425043		<20	0.03	<10	<10	49	<10	81
W425044		<20	0.04	<10	<10	42	<10	65
W425045		<20	0.03	<10	<10	42	<10	72
W425046		<20	0.03	<10	<10	39	<10	57
W425047		<20	0.03	<10	<10	38	<10	71
W425048		<20	0.02	<10	<10	30	<10	77
W424941		<20	0.03	<10	<10	41	<10	72
W424942		<20	0.03	<10	<10	33	<10	63
W424943		<20	0.03	<10	<10	37	<10	99
W424944		<20	0.02	<10	<10	28	<10	132
W424945		<20	0.04	<10	<10	37	<10	65
W424946		<20	0.04	<10	<10	39	<10	74
W424947		<20	0.04	<10	<10	39	<10	85
W424948		<20	0.03	<10	<10	41	<10	71
W424949		<20	0.03	<10	<10	35	<10	78
W424950		<20	0.02	<10	<10	37	<10	75
W425049		<20	0.03	<10	<10	35	<10	63
W425050		<20	0.03	<10	<10	42	<10	51
W422727		<20	0.03	<10	<10	37	<10	66
W422728		<20	0.04	<10	<10	42	<10	80





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Page: Appendix 1  
Total # Appendix Pages: 1  
Finalized Date: 7-SEP-2017  
Account: PARIEX

Project: RC PROPERTY

**CERTIFICATE OF ANALYSIS WH17161510**

**CERTIFICATE COMMENTS**

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.  
LOG-22 SCR-41 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-ICP21 ME-ICP41



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 VANCOUVER BC V6E 3V6

Page: 1  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

**CERTIFICATE WH17184070**

Project: RC Property

This report is for 252 Soil samples submitted to our lab in Whitehorse, YT, Canada on 30-AUG-2017.

The following have access to data associated with this certificate:

GERRY CARLSON	COR COE	
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

To: PACIFIC RIDGE EXPLORATION LTD.  
 ATTN: GERRY CARLSON  
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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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Page: 2 - A  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W422401		0.49	0.003	<0.2	1.21	10	<10	70	<0.5	<2	0.12	<0.5	6	22	18	2.08
W422402		0.42	<0.001	<0.2	1.15	11	<10	60	<0.5	<2	0.12	<0.5	6	20	15	2.04
W422403		0.48	0.003	<0.2	1.28	14	<10	110	<0.5	<2	0.09	<0.5	6	24	17	2.31
W422404		0.57	0.003	<0.2	1.33	18	<10	80	<0.5	<2	0.08	<0.5	8	26	23	2.80
W422405		0.44	0.001	<0.2	1.41	16	<10	70	<0.5	<2	0.07	<0.5	9	29	31	2.78
W422406		0.47	0.007	<0.2	1.26	25	<10	90	<0.5	<2	0.10	<0.5	8	23	20	2.43
W422407		0.59	<0.001	<0.2	1.16	28	<10	80	<0.5	<2	0.10	<0.5	6	20	20	2.23
W422408		0.46	0.002	<0.2	1.14	24	<10	70	<0.5	<2	0.10	<0.5	8	20	20	2.34
W422409		0.45	0.007	<0.2	1.32	19	<10	80	<0.5	<2	0.11	<0.5	8	22	24	2.52
W422410		0.48	0.001	<0.2	1.59	28	<10	110	0.5	<2	0.14	<0.5	10	37	54	2.85
W422411		0.42	0.002	<0.2	1.42	20	<10	90	<0.5	<2	0.10	<0.5	9	25	28	2.77
W422412		0.38	0.004	<0.2	1.23	32	<10	90	<0.5	<2	0.07	<0.5	7	23	22	2.85
W422413		0.48	0.006	<0.2	1.11	19	<10	80	<0.5	<2	0.13	<0.5	8	20	21	2.31
W422414		0.41	0.002	<0.2	1.34	17	<10	90	<0.5	<2	0.07	<0.5	6	24	16	2.30
W422415		0.37	0.002	<0.2	1.07	22	<10	70	<0.5	<2	0.06	<0.5	6	21	16	2.20
W422416		0.49	0.014	<0.2	1.24	57	<10	80	<0.5	<2	0.05	<0.5	8	21	19	2.41
W422417		0.29	0.003	<0.2	1.55	20	<10	170	<0.5	<2	0.19	<0.5	8	30	23	2.36
W422418		0.40	0.003	<0.2	1.59	20	<10	80	<0.5	<2	0.14	<0.5	6	25	22	2.52
W422419		0.15	0.001	<0.2	1.13	49	<10	70	<0.5	<2	0.13	<0.5	6	20	43	2.00
W422420		0.54	0.013	<0.2	2.30	193	<10	200	0.7	<2	0.32	0.5	21	33	53	3.15
W422421		0.37	0.005	<0.2	2.40	21	<10	220	0.7	<2	0.25	<0.5	14	37	39	3.16
W422422		0.50	0.008	<0.2	1.75	19	<10	190	0.5	<2	0.28	0.5	13	28	38	2.86
W422423		0.44	0.006	<0.2	1.97	15	<10	210	0.6	<2	0.23	<0.5	14	31	37	2.99
W422424		0.38	0.005	<0.2	1.27	34	<10	100	0.5	<2	0.19	<0.5	12	24	30	2.46
W422425		0.24	<0.001	<0.2	1.05	4	<10	90	<0.5	<2	0.05	<0.5	2	15	9	0.91
W422426		0.45	0.007	0.2	1.94	50	<10	140	0.6	<2	0.09	<0.5	16	35	44	4.09
W422427		0.31	0.010	<0.2	1.43	20	<10	180	<0.5	<2	0.13	<0.5	9	27	24	2.80
W422428		0.38	0.005	<0.2	1.21	18	<10	90	<0.5	<2	0.15	<0.5	9	22	26	2.29
W422429		0.41	0.011	<0.2	1.29	19	<10	90	<0.5	<2	0.11	<0.5	9	24	21	2.46
W422430		0.32	0.002	<0.2	1.30	14	<10	90	<0.5	<2	0.08	<0.5	7	23	16	2.25
W422431		0.45	0.004	<0.2	1.40	15	<10	100	<0.5	<2	0.10	<0.5	6	24	16	2.19
W422432		0.46	0.004	<0.2	1.43	44	<10	160	<0.5	<2	0.21	<0.5	9	25	18	2.47
W422433		0.31	0.003	<0.2	1.48	30	<10	100	<0.5	<2	0.08	<0.5	9	26	17	2.72
W422434		0.36	0.009	0.8	1.66	117	<10	110	0.5	<2	0.10	0.7	17	31	42	3.86
W422435		0.57	0.005	<0.2	1.50	32	<10	110	<0.5	<2	0.06	<0.5	10	30	24	3.52
W422436		0.27	0.004	<0.2	1.74	34	<10	130	<0.5	<2	0.09	<0.5	12	31	27	3.48
W422437		0.28	0.002	<0.2	1.37	21	<10	130	<0.5	<2	0.10	<0.5	8	26	17	2.60
W422438		0.32	0.002	<0.2	1.51	21	<10	100	<0.5	<2	0.09	<0.5	8	27	16	2.67
W422439		0.29	0.004	0.2	1.58	45	<10	110	<0.5	<2	0.12	<0.5	7	24	16	2.23
W422440		0.44	0.008	<0.2	1.85	42	<10	170	0.8	<2	0.41	<0.5	15	34	35	3.46



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Page: 2 - B  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
W422401		<10	<1	0.04	20	0.34	154	1	0.01	16	590	9	0.01	<2	1	10
W422402		<10	1	0.04	20	0.31	208	1	0.01	14	570	10	0.01	<2	1	10
W422403		<10	<1	0.04	20	0.39	222	1	0.01	18	560	10	0.03	<2	1	11
W422404		<10	<1	0.05	20	0.41	345	1	0.01	23	650	11	0.03	<2	1	11
W422405		<10	<1	0.04	30	0.43	345	2	0.01	25	810	13	0.05	2	1	12
W422406		<10	<1	0.05	20	0.35	342	1	0.01	20	570	17	0.02	<2	2	11
W422407		<10	<1	0.05	20	0.32	237	1	0.01	19	520	15	0.01	<2	2	10
W422408		<10	1	0.05	20	0.31	280	1	0.01	22	580	15	0.02	<2	1	11
W422409		<10	<1	0.10	30	0.38	190	1	0.01	23	550	20	0.02	<2	2	11
W422410		<10	<1	0.09	40	0.60	333	1	0.01	29	700	17	0.02	<2	2	14
W422411		<10	<1	0.06	20	0.42	325	1	0.01	25	600	15	0.02	<2	2	11
W422412		<10	<1	0.05	20	0.33	312	1	0.01	23	600	13	0.04	<2	1	9
W422413		<10	<1	0.05	20	0.34	253	1	0.01	21	690	13	0.02	<2	2	11
W422414		<10	<1	0.04	10	0.33	259	1	0.01	16	570	11	0.02	<2	1	9
W422415		<10	<1	0.04	20	0.27	205	1	<0.01	15	420	13	0.01	<2	1	8
W422416		<10	<1	0.05	20	0.29	368	1	0.01	19	440	15	0.02	<2	2	8
W422417		<10	<1	0.05	10	0.59	291	1	0.01	21	480	10	0.03	<2	2	16
W422418		<10	<1	0.05	10	0.40	274	1	0.01	16	720	12	0.03	<2	1	12
W422419		<10	<1	0.04	20	0.32	163	1	0.02	16	830	13	0.11	<2	1	14
W422420		10	<1	0.10	40	1.20	743	1	0.02	38	680	22	0.04	<2	3	20
W422421		10	<1	0.09	30	1.06	799	1	0.02	33	770	15	0.05	<2	3	20
W422422		10	1	0.11	30	0.79	548	1	0.02	32	970	14	0.02	<2	3	18
W422423		10	<1	0.15	30	0.90	597	1	0.02	32	830	16	0.03	<2	3	19
W422424		<10	<1	0.07	30	0.46	379	1	0.02	28	760	14	0.02	<2	2	15
W422425		10	1	0.03	10	0.12	66	1	0.01	8	650	18	0.05	<2	<1	8
W422426		10	<1	0.09	30	0.63	801	1	0.01	40	720	33	0.04	<2	2	11
W422427		10	1	0.07	30	0.40	401	1	0.01	23	760	19	0.07	<2	1	15
W422428		<10	<1	0.05	20	0.41	334	1	0.01	22	600	13	0.02	<2	2	12
W422429		<10	1	0.05	20	0.38	370	1	0.01	21	570	28	0.03	<2	2	10
W422430		<10	<1	0.04	10	0.34	332	1	0.01	16	580	11	0.04	<2	1	9
W422431		<10	<1	0.05	10	0.35	220	1	0.01	16	550	10	0.02	<2	1	9
W422432		<10	<1	0.05	20	0.39	368	1	0.01	20	540	16	0.03	<2	2	16
W422433		<10	1	0.06	10	0.34	365	1	0.01	18	530	10	0.03	<2	2	9
W422434		<10	<1	0.12	20	0.48	325	1	0.02	32	540	25	0.04	<2	3	14
W422435		10	1	0.09	20	0.39	407	1	0.02	22	450	14	0.04	<2	3	10
W422436		10	<1	0.06	20	0.43	443	1	0.02	22	740	16	0.04	<2	2	12
W422437		10	<1	0.05	10	0.33	285	1	0.01	17	670	11	0.04	<2	2	11
W422438		<10	<1	0.05	10	0.36	317	1	0.02	17	710	10	0.04	<2	1	10
W422439		<10	<1	0.06	10	0.39	233	1	0.01	16	600	11	0.02	2	2	11
W422440		10	<1	0.34	40	0.65	543	1	0.02	37	640	13	0.01	<2	4	22



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Page: 2 - C  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
W422401		<20	0.04	<10	<10	36	<10	51
W422402		<20	0.03	<10	<10	33	<10	47
W422403		<20	0.03	<10	<10	38	<10	54
W422404		<20	0.03	<10	<10	38	<10	62
W422405		<20	0.02	<10	<10	33	<10	59
W422406		<20	0.03	<10	<10	38	<10	61
W422407		<20	0.03	<10	<10	31	<10	59
W422408		<20	0.03	<10	<10	30	<10	59
W422409		<20	0.03	<10	<10	29	<10	56
W422410		<20	0.04	<10	<10	36	<10	68
W422411		<20	0.03	<10	<10	36	<10	66
W422412		<20	0.02	<10	<10	37	<10	62
W422413		<20	0.03	<10	<10	34	<10	63
W422414		<20	0.03	<10	<10	40	<10	53
W422415		<20	0.03	<10	<10	34	<10	52
W422416		<20	0.03	<10	<10	34	<10	61
W422417		<20	0.05	<10	<10	46	<10	55
W422418		<20	0.04	<10	<10	45	<10	51
W422419		<20	0.03	<10	<10	36	<10	43
W422420		<20	0.07	<10	<10	54	<10	92
W422421		<20	0.07	<10	<10	62	<10	88
W422422		<20	0.07	<10	<10	45	<10	84
W422423		<20	0.07	<10	<10	46	<10	79
W422424		<20	0.05	<10	<10	35	<10	68
W422425		<20	0.02	<10	<10	33	<10	19
W422426		<20	0.04	<10	<10	48	<10	99
W422427		<20	0.04	<10	<10	44	<10	64
W422428		<20	0.04	<10	<10	34	<10	63
W422429		<20	0.04	<10	<10	39	<10	67
W422430		<20	0.03	<10	<10	41	<10	53
W422431		<20	0.04	<10	<10	38	<10	51
W422432		<20	0.03	<10	<10	38	<10	62
W422433		<20	0.05	<10	<10	46	<10	64
W422434		<20	0.06	<10	<10	48	<10	96
W422435		<20	0.07	<10	<10	54	<10	72
W422436		<20	0.05	<10	<10	53	<10	71
W422437		<20	0.05	<10	<10	48	<10	54
W422438		<20	0.04	<10	<10	48	<10	53
W422439		<20	0.05	<10	<10	39	10	60
W422440		20	0.07	<10	<10	40	<10	83





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Page: 3 - A  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W422441		0.41	0.018	<0.2	1.97	57	<10	150	0.8	<2	0.24	<0.5	16	34	36	3.35
W422442		0.64	0.011	0.2	2.17	41	<10	140	0.9	<2	0.16	<0.5	13	36	36	3.40
W422443		0.53	0.005	<0.2	2.37	47	<10	180	1.0	<2	0.14	<0.5	15	40	33	3.07
W422444		0.40	0.015	<0.2	2.05	120	<10	120	0.6	<2	0.17	<0.5	17	35	41	3.10
W422445		0.43	0.007	<0.2	1.92	43	<10	150	0.8	<2	0.29	<0.5	15	34	40	3.23
W422446		0.50	0.013	<0.2	1.65	50	<10	120	0.9	<2	0.27	<0.5	16	31	38	3.51
W422447		0.54	0.008	<0.2	1.81	37	<10	190	0.6	<2	0.23	<0.5	12	31	32	2.91
W422448		0.44	0.003	<0.2	2.61	23	<10	280	1.2	<2	0.24	<0.5	22	49	42	4.21
W422449		0.63	0.017	<0.2	2.09	22	<10	220	1.9	<2	0.69	<0.5	11	13	20	2.67
W422450		0.42	0.061	0.6	1.45	145	<10	150	1.4	3	0.41	1.8	10	15	24	3.48
W422451		0.22	0.005	<0.2	1.13	12	<10	90	<0.5	<2	0.07	<0.5	4	31	11	2.07
W422452		0.41	0.005	<0.2	1.45	38	<10	110	<0.5	<2	0.13	<0.5	14	25	27	2.84
W422453		0.39	0.007	<0.2	1.72	45	<10	110	0.5	<2	0.11	<0.5	13	29	26	2.85
W422454		0.38	0.019	<0.2	1.56	43	<10	140	<0.5	<2	0.16	<0.5	12	27	30	2.76
W422455		0.39	0.004	<0.2	1.89	43	<10	130	0.5	<2	0.16	<0.5	12	31	38	3.18
W422456		0.64	0.015	<0.2	1.39	93	<10	100	0.5	<2	0.20	<0.5	18	24	42	2.81
W422457		0.51	0.004	<0.2	1.62	30	<10	130	0.5	2	0.20	0.5	16	29	39	3.15
W422458		0.34	0.010	<0.2	1.40	17	<10	60	<0.5	<2	0.09	<0.5	8	24	28	2.55
W422459		0.46	0.003	<0.2	1.36	14	<10	90	<0.5	<2	0.10	<0.5	11	22	21	2.54
W422460		0.25	0.003	0.2	1.61	29	<10	180	<0.5	<2	0.14	<0.5	10	25	28	2.73
W422461		0.30	<0.001	0.3	0.88	26	<10	90	<0.5	<2	0.09	<0.5	4	18	13	2.11
W422462		0.37	<0.001	0.2	1.32	29	<10	100	<0.5	<2	0.08	<0.5	8	23	17	2.54
W422463		0.39	0.002	0.2	1.41	25	<10	90	<0.5	<2	0.07	<0.5	7	23	15	2.39
W422464		0.38	0.012	<0.2	1.15	53	<10	110	<0.5	<2	0.09	<0.5	7	21	21	2.23
W422465		0.20	0.003	0.4	0.89	31	<10	150	<0.5	<2	0.06	<0.5	109	18	14	2.30
W422466		0.28	0.002	0.2	1.13	28	<10	90	<0.5	<2	0.05	<0.5	5	19	14	1.95
W422467		0.41	0.006	0.3	2.22	48	<10	140	0.7	2	0.13	<0.5	14	35	36	3.47
W422468		0.40	0.004	0.4	2.27	51	<10	110	0.7	<2	0.09	<0.5	15	36	36	3.61
W422469		0.37	0.020	1.1	1.29	391	<10	60	<0.5	<2	0.11	<0.5	24	21	45	3.43
W422470		0.58	0.008	0.2	1.87	64	<10	120	0.6	<2	0.32	<0.5	16	29	41	3.08
W422471		0.43	0.013	0.2	1.50	34	<10	60	<0.5	<2	0.08	<0.5	9	23	38	2.73
W422472		0.48	0.007	<0.2	2.18	109	<10	120	0.7	<2	0.15	<0.5	34	33	84	3.32
W422473		0.43	0.017	<0.2	1.97	20	<10	150	0.6	<2	0.24	<0.5	15	31	41	2.92
W422474		0.38	0.008	0.3	2.93	21	<10	220	0.9	<2	0.34	<0.5	15	41	49	3.48
W422475		0.59	0.016	0.2	2.32	37	<10	200	0.8	2	0.21	<0.5	18	36	49	3.33
W422476		0.35	0.006	0.2	1.12	8	<10	90	<0.5	<2	0.08	<0.5	5	20	19	2.00
W422477		0.22	0.003	0.4	0.60	9	<10	70	<0.5	<2	0.06	<0.5	3	14	14	1.45
W422479		0.27	0.006	0.3	0.82	15	<10	110	<0.5	2	0.16	1.1	5	18	17	1.64
W422480		0.36	0.005	0.2	1.63	23	<10	120	<0.5	<2	0.08	<0.5	9	28	21	2.98
W422481		0.29	0.002	0.2	1.41	16	<10	150	<0.5	<2	0.08	<0.5	14	22	17	2.40



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Page: 3 - B  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
W422441		10	1	0.20	30	0.72	527	1	0.02	38	700	13	0.02	<2	3	18
W422442		10	<1	0.18	30	0.72	525	1	0.01	35	640	12	0.04	<2	3	16
W422443		10	<1	0.21	30	0.77	611	1	0.02	33	530	14	0.04	<2	3	14
W422444		10	1	0.18	20	0.79	518	1	0.02	32	730	14	0.06	<2	2	16
W422445		10	<1	0.20	30	0.73	474	1	0.02	39	950	11	0.02	<2	3	18
W422446		<10	<1	0.17	40	0.63	679	1	0.02	38	830	16	0.03	<2	3	17
W422447		10	<1	0.16	20	0.60	409	1	0.02	30	720	12	0.03	<2	3	16
W422448		10	1	0.48	40	0.89	773	1	0.03	45	1060	27	0.05	<2	7	28
W422449		10	1	0.17	50	0.58	724	<1	0.02	9	1140	23	0.02	<2	5	65
W422450		10	<1	0.11	50	0.44	867	1	0.02	13	990	47	0.03	<2	5	61
W422451		<10	<1	0.04	10	0.28	151	2	0.01	18	670	10	0.05	<2	<1	10
W422452		<10	1	0.05	20	0.40	620	1	0.01	25	770	15	0.03	<2	2	13
W422453		<10	<1	0.04	30	0.47	498	1	0.01	25	810	13	0.03	<2	3	11
W422454		<10	<1	0.06	20	0.51	434	1	0.02	28	760	14	0.04	<2	2	14
W422455		10	<1	0.06	20	0.62	401	1	0.02	31	800	18	0.04	<2	3	15
W422456		<10	1	0.04	30	0.46	491	1	0.02	37	940	18	0.02	<2	2	15
W422457		<10	<1	0.07	30	0.53	667	1	0.02	38	1010	22	0.04	<2	3	18
W422458		10	<1	0.03	10	0.28	298	2	0.01	20	870	17	0.07	<2	1	10
W422459		<10	<1	0.04	10	0.35	317	1	0.01	27	480	14	0.03	<2	2	10
W422460		<10	<1	0.06	30	0.41	301	1	0.01	24	850	24	0.07	<2	1	16
W422461		<10	<1	0.04	10	0.16	358	1	0.01	12	780	12	0.08	<2	<1	9
W422462		<10	<1	0.04	10	0.34	333	1	0.01	18	650	15	0.05	<2	1	8
W422463		<10	<1	0.03	10	0.34	295	1	0.01	16	590	12	0.04	<2	1	8
W422464		<10	<1	0.07	20	0.33	230	1	0.01	19	510	14	0.02	<2	2	7
W422465		<10	<1	0.06	10	0.11	7920	2	0.01	11	1560	53	0.14	<2	<1	8
W422466		<10	<1	0.10	10	0.27	127	1	0.01	15	480	13	0.04	<2	1	7
W422467		10	<1	0.06	30	0.82	635	1	0.01	29	620	28	0.04	<2	3	12
W422468		10	<1	0.06	30	0.82	805	1	0.01	28	770	31	0.04	<2	2	11
W422469		<10	<1	0.04	30	0.43	1235	1	0.01	37	880	37	0.04	2	1	10
W422470		10	<1	0.10	40	0.97	835	1	0.02	34	700	19	0.04	<2	3	18
W422471		<10	<1	0.04	30	0.50	382	1	0.02	21	770	14	0.08	<2	1	9
W422472		10	<1	0.21	50	1.03	639	1	0.02	49	660	27	0.05	<2	3	15
W422473		10	<1	0.23	20	0.95	557	1	0.02	33	860	12	0.04	<2	3	20
W422474		10	<1	0.21	30	1.24	916	1	0.02	33	960	19	0.08	<2	3	24
W422475		10	<1	0.11	30	0.88	645	1	0.02	41	780	22	0.03	<2	3	18
W422476		<10	<1	0.05	10	0.27	170	1	0.02	17	830	10	0.11	<2	1	10
W422477		<10	<1	0.06	10	0.09	83	1	0.02	10	840	8	0.08	<2	<1	8
W422479		<10	<1	0.08	10	0.23	199	1	0.01	14	1100	11	0.11	<2	1	15
W422480		10	<1	0.06	20	0.43	484	1	0.01	20	780	14	0.05	<2	1	9
W422481		<10	<1	0.06	20	0.30	1975	1	0.01	15	770	14	0.08	<2	1	11



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Page: 3 - C  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
W422441		<20	0.07	<10	<10	47	<10	76
W422442		<20	0.07	<10	<10	53	<10	82
W422443		<20	0.08	<10	<10	53	<10	70
W422444		<20	0.08	<10	<10	60	<10	84
W422445		<20	0.09	<10	<10	52	<10	85
W422446		<20	0.05	<10	<10	41	<10	90
W422447		<20	0.07	<10	<10	45	<10	80
W422448		<20	0.11	<10	<10	58	<10	107
W422449		<20	0.02	<10	<10	24	<10	78
W422450		<20	0.03	<10	10	27	10	135
W422451		<20	0.02	<10	<10	43	<10	38
W422452		<20	0.03	<10	<10	39	<10	74
W422453		<20	0.04	<10	<10	46	<10	77
W422454		<20	0.04	<10	<10	41	<10	78
W422455		<20	0.05	<10	<10	47	<10	86
W422456		<20	0.04	<10	<10	38	<10	86
W422457		<20	0.05	<10	<10	44	<10	94
W422458		<20	0.03	<10	<10	46	<10	54
W422459		<20	0.04	<10	<10	38	<10	67
W422460		<20	0.03	<10	<10	45	<10	63
W422461		<20	0.02	<10	<10	46	<10	39
W422462		<20	0.02	<10	<10	42	<10	58
W422463		<20	0.02	<10	<10	40	<10	56
W422464		<20	0.04	<10	<10	29	<10	55
W422465		<20	0.01	<10	<10	39	<10	40
W422466		<20	0.03	<10	<10	28	<10	47
W422467		<20	0.05	<10	<10	55	<10	88
W422468		<20	0.05	<10	<10	57	<10	90
W422469		<20	0.02	<10	<10	29	<10	99
W422470		<20	0.05	<10	<10	43	<10	88
W422471		<20	0.03	<10	<10	34	<10	62
W422472		<20	0.08	<10	<10	47	<10	93
W422473		<20	0.08	<10	<10	48	<10	80
W422474		<20	0.08	<10	<10	62	<10	86
W422475		<20	0.07	<10	<10	59	<10	96
W422476		<20	0.03	<10	<10	38	<10	43
W422477		<20	0.03	<10	<10	38	<10	29
W422479		<20	0.03	<10	<10	36	<10	47
W422480		<20	0.04	<10	<10	54	<10	63
W422481		<20	0.03	<10	<10	44	<10	53



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Page: 4 - A  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W422482		0.25	0.002	0.2	1.30	20	<10	140	<0.5	<2	0.07	<0.5	8	23	15	2.51
W422483		0.65	0.015	<0.2	1.32	62	<10	130	<0.5	<2	0.30	<0.5	8	24	21	2.45
W422484		0.46	0.017	0.3	1.65	55	<10	280	0.6	<2	0.21	0.5	13	31	37	3.19
W422485		0.40	0.013	0.2	1.27	77	<10	140	<0.5	3	0.14	0.8	16	25	34	2.79
W422486		0.43	0.007	0.2	1.26	53	<10	170	<0.5	2	0.08	<0.5	14	24	26	2.36
W422487		0.40	0.132	1.3	1.11	1145	<10	430	4.7	9	0.07	0.9	17	41	192	15.75
W422488		0.38	0.005	<0.2	2.54	22	<10	240	1.0	2	0.19	<0.5	14	39	34	3.02
W422489		0.41	0.003	<0.2	1.60	15	<10	280	0.6	<2	0.18	<0.5	13	28	28	2.56
W422490		0.40	0.003	<0.2	1.71	16	<10	80	<0.5	<2	0.09	<0.5	6	29	10	3.92
W422491		0.36	0.008	0.8	2.00	54	<10	140	0.7	<2	0.10	<0.5	13	34	33	3.83
W422492		0.36	0.006	0.4	1.66	35	<10	70	<0.5	<2	0.07	<0.5	7	29	25	3.20
W422493		0.55	0.016	0.6	1.43	132	<10	90	0.5	<2	0.11	2.1	17	26	51	3.91
W422494		0.58	0.006	0.6	1.42	39	<10	70	0.5	<2	0.06	1.0	15	25	46	3.94
W422495		0.65	0.018	0.7	1.40	39	<10	80	0.7	<2	0.12	2.9	25	26	58	4.18
W422496		0.57	0.011	0.6	1.17	76	<10	60	0.6	<2	0.06	0.8	16	21	38	3.67
W422497		0.66	0.015	0.7	1.62	74	<10	80	0.7	<2	0.12	0.6	45	31	60	4.39
W422498		0.42	0.025	<0.2	1.63	16	<10	110	0.5	<2	0.12	<0.5	12	29	25	2.70
W422499		0.49	0.020	<0.2	1.86	16	<10	150	0.6	<2	0.11	<0.5	14	34	25	3.07
W422500		0.35	0.012	0.2	2.37	14	<10	130	0.6	<2	0.07	<0.5	13	35	33	3.18
W422501		0.47	0.013	0.2	1.44	19	<10	130	0.5	<2	0.23	0.7	13	28	29	2.82
W422502		0.38	0.013	0.2	1.99	17	<10	180	0.6	<2	0.19	<0.5	13	34	30	2.83
W422503		0.46	0.008	0.2	2.42	15	<10	180	0.8	<2	0.15	0.6	15	37	27	2.95
W422504		0.34	0.008	0.2	1.74	18	<10	100	<0.5	<2	0.09	<0.5	9	31	16	2.93
W422505		0.37	0.008	0.2	1.50	19	<10	110	<0.5	<2	0.10	<0.5	7	27	16	2.48
W422506		0.33	0.046	<0.2	2.41	22	<10	260	0.8	<2	0.18	<0.5	15	55	37	3.41
W422507		0.26	0.012	<0.2	2.13	15	<10	180	0.7	<2	0.13	<0.5	13	38	22	2.90
W422508		0.51	0.011	<0.2	2.73	18	<10	220	0.8	<2	0.31	<0.5	12	40	22	2.86
W422509		0.37	0.005	<0.2	1.88	13	<10	160	0.6	<2	0.18	<0.5	11	33	19	2.61
W422510		0.43	0.005	0.2	2.23	41	<10	230	0.8	<2	0.21	<0.5	13	52	20	3.26
W422511		0.31	0.018	<0.2	1.78	18	<10	170	0.5	<2	0.24	<0.5	11	36	23	2.66
W422512		0.43	<0.001	0.2	1.70	24	<10	220	0.7	2	0.28	<0.5	10	44	18	2.93
W422513		0.39	0.010	<0.2	1.82	13	<10	170	0.6	<2	0.12	<0.5	8	34	13	2.87
W422514		0.35	0.040	0.5	2.25	48	<10	300	1.5	2	0.37	0.7	13	42	29	3.96
W422515		0.34	0.007	0.7	2.08	87	<10	240	1.0	<2	0.37	<0.5	16	43	21	3.86
W422516		0.31	0.002	0.5	1.78	88	<10	160	0.8	2	0.28	<0.5	16	38	34	3.51
W422517		0.25	<0.001	0.2	1.09	5	<10	70	<0.5	<2	0.11	<0.5	3	15	16	1.37
W422518		0.54	0.047	0.2	1.53	62	<10	140	0.9	2	0.29	<0.5	10	19	22	3.18
W422519		0.46	0.273	1.0	1.32	232	10	160	1.6	3	0.47	0.5	15	15	35	3.98
W422520		0.43	0.160	0.4	1.58	131	<10	170	1.0	4	0.49	0.6	10	17	17	3.32
W422521		0.61	0.086	0.4	1.46	129	<10	180	0.8	3	0.41	<0.5	9	14	12	3.16



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Page: 4 - B  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
W422482		<10	<1	0.05	10	0.32	541	1	0.01	16	640	14	0.06	<2	1	10
W422483		<10	<1	0.06	30	0.35	422	1	0.01	21	540	13	0.04	<2	2	20
W422484		<10	<1	0.18	30	0.50	623	1	0.01	33	630	21	0.02	2	4	21
W422485		<10	<1	0.39	30	0.41	558	2	0.01	31	450	38	0.02	2	2	16
W422486		<10	<1	0.37	30	0.39	810	1	0.01	27	270	46	0.01	<2	2	9
W422487		<10	<1	0.07	130	0.15	3850	7	0.01	114	1520	45	0.01	<2	7	11
W422488		10	<1	0.39	30	1.01	750	<1	0.01	38	620	25	0.02	<2	4	16
W422489		<10	<1	0.13	20	0.60	451	1	0.01	30	540	13	0.02	<2	4	18
W422490		10	<1	0.04	10	0.34	337	2	0.01	14	310	16	0.03	<2	2	10
W422491		10	<1	0.07	20	0.50	585	1	0.01	27	760	108	0.05	<2	2	15
W422492		10	<1	0.07	20	0.39	288	1	0.01	19	630	55	0.05	<2	1	10
W422493		<10	<1	0.20	30	0.47	699	1	0.01	35	700	84	0.10	<2	2	15
W422494		<10	<1	0.18	30	0.41	674	1	0.01	27	800	57	0.10	<2	1	12
W422495		<10	<1	0.21	30	0.50	960	1	0.01	52	720	119	0.05	<2	2	15
W422496		<10	<1	0.15	30	0.34	990	1	0.01	31	570	71	0.05	2	1	12
W422497		<10	<1	0.22	30	0.55	1815	2	0.01	50	1090	61	0.07	<2	2	11
W422498		<10	<1	0.06	20	0.55	402	1	0.01	31	380	12	0.03	<2	2	12
W422499		<10	<1	0.12	20	0.53	581	1	0.01	30	590	15	0.05	<2	2	12
W422500		10	<1	0.11	20	0.50	642	1	0.01	28	910	20	0.08	<2	1	9
W422501		<10	<1	0.09	20	0.50	591	1	0.01	32	930	37	0.02	<2	3	17
W422502		10	<1	0.13	20	0.55	686	1	0.01	31	970	19	0.04	<2	2	16
W422503		10	<1	0.10	20	0.57	756	1	0.01	34	840	14	0.05	<2	3	13
W422504		10	<1	0.06	10	0.40	456	1	0.01	19	550	13	0.04	<2	2	10
W422505		<10	<1	0.06	10	0.38	251	1	0.01	19	630	11	0.05	<2	1	10
W422506		10	<1	0.17	30	0.76	631	2	0.02	47	590	13	0.04	<2	4	15
W422507		10	<1	0.10	20	0.59	545	1	0.02	30	760	11	0.05	2	3	13
W422508		10	<1	0.15	20	0.88	533	1	0.04	34	720	11	0.05	<2	3	23
W422509		10	<1	0.10	20	0.61	454	1	0.02	29	650	9	0.04	<2	3	16
W422510		10	<1	0.30	20	0.73	460	1	0.02	27	780	14	0.02	<2	4	17
W422511		10	<1	0.22	20	0.60	333	<1	0.02	27	720	10	0.03	<2	3	26
W422512		10	<1	0.17	20	0.61	443	1	0.02	23	920	18	0.02	<2	5	21
W422513		10	<1	0.10	10	0.50	404	1	0.02	18	560	11	0.06	<2	2	13
W422514		10	<1	0.18	50	0.77	1055	1	0.02	24	1040	39	0.04	<2	5	23
W422515		10	<1	0.17	30	0.78	1615	<1	0.02	34	880	15	0.03	<2	5	37
W422516		10	<1	0.22	30	0.66	522	1	0.01	43	800	17	0.02	<2	4	22
W422517		<10	<1	0.08	20	0.13	86	1	0.03	9	1630	10	0.21	<2	1	14
W422518		10	<1	0.12	40	0.46	769	1	0.02	18	1220	17	0.03	<2	4	22
W422519		<10	<1	0.09	70	0.39	1835	2	0.02	16	1360	45	0.08	2	4	46
W422520		10	<1	0.13	40	0.60	940	1	0.02	13	1130	29	0.03	<2	5	62
W422521		10	<1	0.16	40	0.56	794	1	0.02	10	1170	24	0.02	<2	5	34



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Page: 4 - C  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
W422482		<20	0.04	<10	<10	43	<10	56
W422483		<20	0.03	<10	<10	36	<10	62
W422484		<20	0.07	<10	<10	39	10	91
W422485		<20	0.08	<10	<10	24	<10	79
W422486		<20	0.07	<10	<10	20	10	63
W422487		30	0.02	<10	20	70	150	206
W422488		<20	0.08	<10	<10	50	<10	92
W422489		<20	0.06	<10	<10	40	<10	74
W422490		<20	0.07	<10	<10	78	<10	56
W422491		<20	0.03	<10	<10	48	<10	161
W422492		<20	0.04	<10	<10	47	<10	96
W422493		<20	0.05	<10	<10	28	10	121
W422494		<20	0.04	<10	<10	27	<10	116
W422495		<20	0.06	<10	<10	26	<10	144
W422496		<20	0.03	<10	<10	22	<10	143
W422497		<20	0.04	<10	<10	28	<10	121
W422498		<20	0.07	<10	<10	47	<10	66
W422499		<20	0.08	<10	<10	50	<10	77
W422500		<20	0.04	<10	<10	46	<10	79
W422501		<20	0.07	<10	<10	47	<10	135
W422502		<20	0.06	<10	<10	52	<10	88
W422503		<20	0.07	<10	<10	52	<10	96
W422504		<20	0.07	<10	<10	60	<10	57
W422505		<20	0.05	<10	<10	47	<10	55
W422506		<20	0.13	<10	<10	67	<10	88
W422507		<20	0.08	<10	<10	56	<10	76
W422508		<20	0.11	<10	<10	59	<10	85
W422509		<20	0.08	<10	<10	46	<10	67
W422510		<20	0.11	<10	<10	58	<10	77
W422511		<20	0.11	<10	<10	50	<10	73
W422512		<20	0.10	<10	<10	57	<10	95
W422513		<20	0.09	<10	<10	58	<10	78
W422514		<20	0.11	<10	<10	55	10	105
W422515		<20	0.08	<10	<10	55	<10	89
W422516		<20	0.08	<10	<10	47	<10	90
W422517		<20	0.04	<10	<10	22	<10	26
W422518		<20	0.05	<10	<10	34	20	98
W422519		<20	0.02	<10	10	25	10	176
W422520		<20	0.05	<10	10	28	10	109
W422521		20	0.07	<10	<10	25	30	94





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Page: 5 - A  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W422522		0.20	0.009	<0.2	1.22	15	<10	110	<0.5	2	0.19	<0.5	5	19	23	2.04
W422523		0.36	0.020	<0.2	1.48	93	<10	150	0.5	<2	0.30	<0.5	8	20	19	2.52
W422524		0.35	0.011	0.2	2.21	41	<10	320	1.1	2	0.42	<0.5	12	47	14	3.17
W422525		0.30	<0.001	<0.2	1.24	6	<10	120	<0.5	<2	0.12	<0.5	4	22	20	2.07
W422526		0.39	0.027	0.4	1.72	290	<10	140	1.1	<2	0.22	<0.5	9	23	19	2.91
W422527		0.44	0.059	0.4	1.80	415	<10	240	1.0	<2	0.35	<0.5	12	25	25	3.72
W422528		0.45	0.033	0.3	1.82	66	<10	260	0.7	<2	0.34	<0.5	9	20	18	3.10
W422529		0.50	0.064	0.2	1.79	150	<10	280	0.9	2	0.44	<0.5	10	19	17	3.11
W422530		0.38	0.044	0.3	1.87	151	<10	280	0.9	<2	0.44	<0.5	9	20	17	3.59
W422531		0.28	0.023	0.4	1.54	94	<10	100	0.7	<2	0.16	<0.5	8	21	22	3.19
W422532		0.34	0.007	0.2	1.79	53	<10	120	0.6	<2	0.15	<0.5	10	27	21	2.72
W422551		0.30	0.007	0.3	1.88	65	<10	100	0.5	<2	0.11	<0.5	11	31	24	3.07
W422552		0.28	0.046	2.4	2.66	123	<10	140	0.8	3	0.54	0.5	16	38	57	3.39
W422553		0.38	0.101	1.1	2.79	55	<10	170	0.8	2	0.42	<0.5	21	39	77	3.72
W422554		0.20	0.008	3.7	1.70	54	<10	130	0.7	<2	0.19	0.5	19	29	49	3.69
W422555		0.38	0.011	3.8	2.07	47	<10	120	0.8	<2	0.24	1.2	25	33	97	4.29
W422556		0.32	0.011	0.3	1.65	31	<10	90	0.5	<2	0.09	<0.5	27	33	41	3.62
W422557		0.37	0.010	0.2	1.33	42	<10	90	<0.5	<2	0.10	0.8	19	24	39	3.26
W422558		0.33	0.006	<0.2	1.38	18	<10	70	<0.5	<2	0.07	<0.5	9	29	18	3.25
W422559		0.35	0.003	<0.2	1.47	14	<10	80	<0.5	<2	0.08	<0.5	7	25	17	2.64
W422560		0.25	0.017	0.2	2.13	24	<10	170	0.8	<2	0.12	0.7	20	38	36	3.41
W422561		0.32	0.009	0.3	1.69	16	<10	110	0.5	<2	0.11	<0.5	10	29	26	2.60
W422562		0.43	0.007	0.3	1.85	27	<10	230	0.6	<2	0.24	0.5	21	39	41	3.26
W422563		0.26	0.004	<0.2	1.55	21	<10	180	<0.5	<2	0.11	<0.5	9	27	22	2.81
W422564		0.21	0.005	<0.2	1.36	15	<10	130	<0.5	<2	0.07	<0.5	19	25	20	2.77
W422565		0.39	0.009	<0.2	1.44	14	<10	110	0.5	<2	0.11	<0.5	6	25	29	2.60
W422566		0.21	0.002	0.4	1.53	26	<10	140	<0.5	<2	0.16	<0.5	10	31	25	3.04
W422567		0.48	0.003	<0.2	1.72	20	<10	100	<0.5	<2	0.08	<0.5	10	31	17	3.37
W422568		0.41	0.014	0.2	1.78	15	<10	130	0.5	<2	0.09	<0.5	8	31	19	2.72
W422569		0.48	0.010	0.2	2.00	17	<10	170	0.6	<2	0.18	<0.5	11	44	23	2.64
W422570		0.36	0.011	<0.2	2.62	22	<10	220	0.8	<2	0.16	<0.5	17	43	26	3.59
W422571		0.59	0.015	<0.2	1.33	18	<10	130	0.5	<2	0.11	<0.5	10	30	20	2.65
W422572		0.32	0.012	<0.2	1.62	27	<10	140	0.5	<2	0.11	<0.5	8	34	18	2.78
W422573		0.44	0.020	0.3	2.08	69	<10	130	0.9	<2	0.19	<0.5	28	54	34	5.13
W422574		0.38	<0.001	0.2	2.47	30	<10	260	1.0	<2	0.14	<0.5	53	52	24	4.60
W422575		0.47	0.016	1.6	1.20	164	<10	70	1.6	<2	0.17	<0.5	37	18	51	6.55
W422576		0.43	0.011	0.2	1.58	32	<10	90	0.5	<2	0.19	0.5	17	30	31	3.29
W422577		0.43	0.002	0.2	1.45	40	<10	90	0.5	<2	0.18	0.9	19	29	33	3.33
W422578		0.48	0.008	0.4	1.44	45	<10	140	0.6	<2	0.10	<0.5	20	28	34	3.70
W422579		0.35	0.020	0.3	1.90	64	<10	90	0.6	<2	0.08	<0.5	11	33	25	3.68



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 SUITE 1100 - 1111 MELVILLE STREET  
 VANCOUVER BC V6E 3V6

Page: 5 - B  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
W422522		<10	<1	0.10	10	0.33	215	2	0.04	14	770	8	0.11	<2	2	21
W422523		<10	<1	0.12	20	0.44	554	2	0.02	18	1220	13	0.03	<2	3	32
W422524		10	<1	0.35	30	0.91	737	<1	0.03	19	970	16	0.03	<2	7	40
W422525		10	1	0.09	10	0.27	135	2	0.03	13	1040	10	0.13	<2	1	15
W422526		10	<1	0.07	40	0.54	562	1	0.02	16	940	24	0.05	<2	3	38
W422527		10	<1	0.11	50	0.54	899	1	0.02	23	1030	25	0.04	<2	5	38
W422528		10	<1	0.22	40	0.55	642	1	0.03	15	1030	13	0.03	<2	5	35
W422529		10	<1	0.19	40	0.56	715	1	0.02	15	1250	15	0.03	<2	5	63
W422530		10	<1	0.30	40	0.64	945	1	0.02	15	1200	15	0.03	<2	7	54
W422531		<10	<1	0.07	20	0.35	730	2	0.01	17	1030	92	0.09	<2	2	15
W422532		10	<1	0.07	20	0.46	407	1	0.01	25	720	14	0.05	<2	3	15
W422551		10	<1	0.06	20	0.61	483	1	0.01	23	590	19	0.04	<2	2	11
W422552		10	<1	0.24	30	1.31	778	1	0.07	40	690	32	0.04	<2	3	34
W422553		10	<1	0.51	40	1.44	889	2	0.05	45	740	22	0.08	<2	3	35
W422554		10	<1	0.10	30	0.68	1190	1	0.02	36	870	74	0.08	<2	2	17
W422555		10	<1	0.19	40	0.87	1330	1	0.02	48	920	77	0.06	<2	2	20
W422556		<10	<1	0.26	30	0.54	1100	1	0.01	39	850	35	0.05	<2	2	12
W422557		<10	<1	0.18	20	0.47	851	1	0.01	36	620	24	0.02	<2	2	13
W422558		<10	<1	0.07	20	0.37	408	1	0.01	21	410	19	0.04	<2	2	8
W422559		<10	<1	0.05	20	0.34	295	1	0.01	19	350	14	0.03	<2	2	9
W422560		10	<1	0.10	20	0.62	743	2	0.02	36	660	21	0.04	<2	4	12
W422561		10	<1	0.08	20	0.46	540	1	0.02	23	900	14	0.06	<2	1	11
W422562		10	<1	0.13	30	0.57	995	2	0.02	40	1030	19	0.06	<2	2	20
W422563		10	<1	0.06	20	0.40	437	1	0.01	22	610	15	0.05	<2	1	12
W422564		10	<1	0.06	10	0.30	1900	1	0.01	17	920	23	0.10	<2	1	10
W422565		<10	<1	0.05	10	0.35	339	1	0.01	18	650	12	0.04	<2	1	12
W422566		10	<1	0.09	10	0.38	816	1	0.02	24	970	12	0.11	<2	1	15
W422567		10	<1	0.06	10	0.38	652	1	0.01	20	340	14	0.03	<2	2	10
W422568		10	<1	0.05	10	0.42	345	1	0.01	20	730	12	0.07	<2	1	10
W422569		10	<1	0.12	20	0.56	745	2	0.02	31	990	14	0.08	<2	2	15
W422570		10	<1	0.12	20	0.78	835	1	0.02	35	860	17	0.05	2	3	17
W422571		<10	<1	0.06	20	0.39	389	1	0.01	23	400	14	0.03	<2	2	11
W422572		10	<1	0.06	10	0.41	346	1	0.01	21	490	9	0.05	<2	2	13
W422573		10	<1	0.23	40	0.70	1140	2	0.02	80	680	19	0.02	<2	5	27
W422574		10	<1	0.40	30	0.76	1610	1	0.02	86	850	16	0.05	<2	5	15
W422575		<10	<1	0.08	30	0.30	1535	1	0.01	71	1110	37	0.03	8	4	15
W422576		<10	<1	0.15	20	0.47	896	1	0.01	34	1320	40	0.06	<2	2	14
W422577		<10	<1	0.11	20	0.43	735	1	0.01	38	810	38	0.05	2	2	14
W422578		<10	<1	0.18	30	0.39	711	1	0.02	34	690	23	0.14	<2	3	28
W422579		10	<1	0.10	20	0.44	465	1	0.01	27	820	21	0.06	<2	2	11



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Page: 5 - C  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
W422522		<20	0.06	<10	<10	36	<10	46
W422523		<20	0.07	<10	<10	36	10	82
W422524		<20	0.10	<10	<10	53	<10	80
W422525		<20	0.07	<10	<10	43	<10	43
W422526		<20	0.04	<10	10	38	20	91
W422527		<20	0.05	<10	10	43	<10	100
W422528		<20	0.10	<10	10	36	30	88
W422529		<20	0.08	<10	10	35	20	95
W422530		<20	0.11	<10	10	37	30	108
W422531		<20	0.04	<10	<10	39	20	113
W422532		<20	0.06	<10	<10	47	<10	81
W422551		<20	0.05	<10	<10	50	<10	70
W422552		<20	0.08	<10	<10	61	<10	113
W422553		<20	0.10	<10	<10	54	10	93
W422554		<20	0.05	<10	<10	43	<10	120
W422555		<20	0.06	<10	<10	42	<10	196
W422556		<20	0.07	<10	<10	31	<10	92
W422557		<20	0.05	<10	<10	27	<10	87
W422558		<20	0.06	<10	<10	49	<10	66
W422559		<20	0.05	<10	<10	50	<10	50
W422560		<20	0.07	<10	<10	52	<10	85
W422561		<20	0.05	<10	<10	53	<10	64
W422562		<20	0.06	<10	<10	47	<10	92
W422563		<20	0.04	<10	<10	49	<10	65
W422564		<20	0.03	<10	<10	47	<10	58
W422565		<20	0.04	<10	<10	47	<10	52
W422566		<20	0.05	<10	<10	54	<10	107
W422567		<20	0.08	<10	<10	67	<10	59
W422568		<20	0.06	<10	<10	58	<10	60
W422569		<20	0.07	<10	<10	57	<10	79
W422570		<20	0.09	<10	<10	71	<10	118
W422571		<20	0.06	<10	<10	49	<10	69
W422572		<20	0.07	<10	<10	54	<10	69
W422573		<20	0.05	<10	<10	45	<10	103
W422574		<20	0.09	<10	<10	47	<10	83
W422575		<20	0.01	<10	<10	26	<10	115
W422576		<20	0.05	<10	<10	43	<10	80
W422577		<20	0.05	<10	<10	44	<10	85
W422578		<20	0.05	<10	<10	36	<10	84
W422579		<20	0.04	<10	<10	45	<10	76



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Page: 6 - A  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W422580		0.23	<0.001	<0.2	2.12	13	<10	110	0.5	<2	0.14	<0.5	7	31	12	3.17
W422581		0.33	0.007	0.4	1.60	63	<10	200	0.5	<2	0.39	0.5	12	29	24	2.75
W422582		0.36	0.002	0.2	1.44	28	<10	90	<0.5	2	0.09	<0.5	7	24	16	2.26
W422583		0.50	0.015	0.4	1.80	72	<10	140	0.8	2	0.46	0.9	19	38	44	3.96
W422584		0.36	0.008	0.3	2.24	59	<10	160	1.0	<2	0.22	<0.5	19	44	41	3.95
W422585		0.37	0.014	0.3	2.04	131	<10	170	0.8	<2	0.24	<0.5	22	39	59	3.76
W422586		0.30	0.028	<0.2	2.59	17	<10	160	1.0	<2	0.18	<0.5	11	40	32	2.74
W422587		0.46	0.004	0.2	2.04	76	<10	80	1.0	<2	0.16	<0.5	22	43	52	3.92
W422588		0.05	<0.001	<0.2	1.12	15	<10	150	<0.5	<2	0.14	<0.5	3	26	16	1.47
W422589		0.47	0.018	0.2	1.75	82	<10	220	0.5	<2	0.37	<0.5	11	42	28	2.80
W422590		0.36	0.012	<0.2	1.60	52	<10	150	0.5	<2	0.37	<0.5	10	35	24	2.71
W422591		0.44	0.013	0.2	1.73	55	<10	130	0.7	<2	0.18	<0.5	9	28	23	2.35
W422592		0.25	0.008	0.2	2.28	107	<10	160	0.8	<2	0.14	<0.5	14	41	27	3.45
W422593		0.24	0.006	<0.2	2.33	67	<10	140	0.7	<2	0.12	<0.5	13	40	26	3.37
W422594		0.48	0.007	0.2	1.25	86	<10	130	<0.5	<2	0.27	<0.5	8	27	21	2.40
W422597		0.33	0.005	<0.2	1.59	29	<10	80	<0.5	<2	0.08	<0.5	8	29	17	3.04
W422598		0.58	0.013	0.2	1.94	51	<10	170	0.7	<2	0.33	<0.5	16	35	36	3.66
W422599		0.44	0.008	0.2	1.58	50	<10	110	0.6	<2	0.11	<0.5	10	27	35	2.99
W422600		0.42	0.011	0.3	1.60	133	<10	100	0.8	<2	0.14	<0.5	13	28	37	4.12
W422601		0.34	0.001	<0.2	1.55	17	<10	90	0.5	<2	0.09	<0.5	10	31	36	3.28
W422602		0.49	0.005	<0.2	1.20	25	<10	40	<0.5	<2	0.04	<0.5	6	21	23	2.89
W422603		0.53	0.025	<0.2	1.53	34	<10	70	0.5	<2	0.04	<0.5	10	22	24	3.23
W422604		0.53	0.002	<0.2	1.78	8	<10	80	0.7	<2	0.06	<0.5	15	24	44	4.17
W422605		0.54	0.005	<0.2	2.76	26	<10	160	1.2	<2	0.32	<0.5	16	42	48	4.40
W422606		0.63	0.010	0.2	1.38	40	<10	80	1.0	3	0.20	<0.5	14	20	38	3.42
W422607		0.53	0.030	0.2	1.91	50	<10	70	1.4	2	0.50	<0.5	25	42	73	4.71
W422608		0.56	0.031	0.2	1.91	35	<10	100	1.0	<2	0.11	<0.5	13	35	54	3.74
W422609		0.48	0.019	0.3	1.63	51	<10	100	1.0	<2	0.18	<0.5	11	29	38	3.60
W422610		0.52	0.028	0.8	1.85	70	<10	110	1.0	<2	0.20	0.8	13	32	40	4.17
W422611		0.56	0.014	0.2	1.61	23	<10	160	0.5	<2	0.20	<0.5	13	29	35	3.10
W422612		0.50	0.015	0.3	1.80	26	<10	150	0.8	<2	0.33	<0.5	9	33	31	3.43
W422613		0.52	0.013	<0.2	1.65	68	<10	220	0.6	<2	0.24	<0.5	9	22	18	2.84
W422614		0.55	0.009	<0.2	1.40	109	<10	140	0.5	2	0.19	<0.5	8	20	15	2.41
W422615		0.65	0.007	<0.2	1.60	63	<10	150	0.6	<2	0.21	<0.5	8	24	17	2.61
W422616		0.60	0.025	0.3	1.73	171	<10	170	0.8	2	0.26	<0.5	9	21	19	2.97
W422617		0.45	0.014	6.2	1.75	230	<10	150	1.0	<2	0.25	<0.5	9	25	19	2.97
W422618		0.54	0.016	0.4	2.19	226	<10	230	0.9	2	0.34	<0.5	12	45	33	3.32
W422619		0.66	0.017	0.5	2.26	113	<10	320	0.8	<2	0.52	0.5	12	54	27	3.37
W422620		0.72	0.022	0.7	2.97	470	<10	180	1.3	<2	0.29	0.9	46	45	108	5.26
W422621		0.18	<0.001	0.2	1.21	28	<10	70	<0.5	<2	0.15	<0.5	7	25	30	2.65



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Page: 6 - B  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

Project: RC Property

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		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
W422580		10	<1	0.04	10	0.41	312	1	0.01	16	610	11	0.05	<2	2	13
W422581		<10	<1	0.11	20	0.49	455	2	0.02	27	970	15	0.04	<2	3	33
W422582		<10	<1	0.04	10	0.37	187	1	0.01	16	520	8	0.03	2	2	9
W422583		10	<1	0.32	40	0.74	781	1	0.03	47	960	33	0.02	<2	4	34
W422584		10	<1	0.21	40	0.74	662	1	0.02	53	810	17	0.05	<2	3	20
W422585		10	<1	0.15	30	0.67	703	2	0.02	49	1020	19	0.05	<2	3	29
W422586		10	<1	0.25	20	1.00	494	1	0.02	29	670	11	0.04	<2	3	24
W422587		10	<1	0.19	20	0.67	729	2	0.02	43	1110	27	0.06	2	3	14
W422588		<10	<1	0.10	10	0.22	142	1	0.03	10	1010	9	0.15	<2	1	14
W422589		10	<1	0.17	20	0.68	463	1	0.02	27	1260	12	0.03	<2	4	28
W422590		10	<1	0.13	20	0.60	435	1	0.02	24	1250	12	0.02	<2	4	28
W422591		10	<1	0.08	30	0.39	717	2	0.02	19	1500	16	0.10	<2	1	19
W422592		10	<1	0.09	20	0.73	589	2	0.01	29	730	19	0.04	<2	3	17
W422593		10	<1	0.08	20	0.69	629	1	0.01	28	730	16	0.05	<2	2	14
W422594		<10	<1	0.06	20	0.37	351	2	0.01	21	980	9	0.02	<2	3	19
W422597		10	<1	0.11	10	0.43	418	1	0.01	19	540	15	0.04	<2	2	9
W422598		10	<1	0.33	40	0.67	515	<1	0.03	38	640	17	0.04	<2	3	25
W422599		10	<1	0.13	30	0.46	392	2	0.02	29	650	12	0.09	<2	1	14
W422600		<10	<1	0.12	30	0.49	670	1	0.01	37	580	20	0.05	<2	2	13
W422601		10	<1	0.08	20	0.55	362	1	0.01	28	670	17	0.06	<2	1	11
W422602		<10	<1	0.05	10	0.32	264	1	0.01	19	490	10	0.05	<2	1	6
W422603		<10	<1	0.23	20	0.42	315	1	0.01	23	330	18	0.03	<2	1	6
W422604		<10	<1	0.07	30	0.55	323	1	0.01	40	490	9	0.04	<2	2	12
W422605		10	<1	0.50	40	1.33	592	1	0.01	44	730	14	0.03	<2	4	13
W422606		<10	<1	0.14	30	0.47	580	1	0.01	29	570	19	0.02	<2	2	14
W422607		10	<1	0.39	60	1.02	1220	2	0.02	57	1060	21	0.01	<2	6	19
W422608		10	<1	0.17	30	0.74	463	1	0.01	37	510	15	0.03	<2	2	9
W422609		<10	<1	0.13	30	0.60	545	1	0.01	32	660	13	0.05	<2	2	13
W422610		10	<1	0.19	40	0.76	705	1	0.01	37	540	47	0.04	3	3	14
W422611		<10	<1	0.19	20	0.54	503	1	0.01	31	570	13	0.02	<2	3	15
W422612		10	<1	0.25	40	0.63	320	1	0.01	31	490	16	0.02	<2	3	16
W422613		10	<1	0.11	30	0.48	563	1	0.02	19	970	12	0.02	<2	4	22
W422614		<10	<1	0.08	20	0.39	440	1	0.01	16	830	12	0.02	<2	3	17
W422615		10	<1	0.10	20	0.49	492	1	0.02	19	890	13	0.02	<2	3	21
W422616		10	<1	0.11	40	0.55	551	2	0.02	18	930	18	0.03	<2	4	34
W422617		10	<1	0.09	30	0.56	699	1	0.02	18	900	128	0.04	2	3	29
W422618		10	<1	0.19	30	0.74	755	2	0.03	29	1260	26	0.06	<2	5	40
W422619		10	<1	0.31	30	0.89	612	1	0.04	28	1490	44	0.03	<2	6	48
W422620		10	<1	0.58	20	1.30	2140	3	0.03	76	1340	88	0.05	<2	5	53
W422621		<10	<1	0.16	10	0.35	180	1	0.03	21	880	13	0.13	<2	1	13



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 SUITE 1100 - 1111 MELVILLE STREET  
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Page: 6 - C  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
W422580		<20	0.05	<10	<10	53	<10	55
W422581		<20	0.06	<10	10	45	<10	79
W422582		<20	0.04	<10	<10	40	<10	52
W422583		<20	0.09	<10	<10	44	10	140
W422584		<20	0.08	<10	<10	54	<10	114
W422585		<20	0.07	<10	<10	53	10	95
W422586		<20	0.09	<10	<10	63	<10	75
W422587		<20	0.07	<10	<10	53	<10	95
W422588		<20	0.06	<10	<10	31	<10	33
W422589		<20	0.11	<10	<10	61	<10	91
W422590		<20	0.10	<10	<10	53	<10	97
W422591		<20	0.04	<10	<10	37	10	67
W422592		<20	0.07	<10	<10	61	<10	92
W422593		<20	0.06	<10	<10	61	<10	85
W422594		<20	0.05	<10	<10	43	10	58
W422597		<20	0.07	<10	<10	45	<10	63
W422598		<20	0.09	<10	<10	38	<10	90
W422599		<20	0.05	<10	<10	39	<10	58
W422600		<20	0.04	<10	<10	36	<10	82
W422601		<20	0.05	<10	<10	43	<10	67
W422602		<20	0.03	<10	<10	36	<10	52
W422603		<20	0.06	<10	<10	29	<10	63
W422604		<20	0.03	<10	<10	29	<10	65
W422605		<20	0.08	<10	<10	43	<10	93
W422606		<20	0.04	<10	<10	23	<10	74
W422607		20	0.05	<10	<10	67	<10	110
W422608		<20	0.05	<10	<10	38	<10	75
W422609		<20	0.04	<10	<10	40	<10	80
W422610		<20	0.05	<10	<10	36	<10	298
W422611		<20	0.08	<10	<10	38	<10	75
W422612		<20	0.06	<10	<10	33	<10	84
W422613		<20	0.06	<10	<10	40	10	74
W422614		<20	0.05	<10	<10	35	20	63
W422615		<20	0.06	<10	<10	39	10	77
W422616		<20	0.07	<10	<10	37	20	84
W422617		<20	0.04	<10	10	43	<10	153
W422618		<20	0.08	<10	10	70	<10	118
W422619		<20	0.14	<10	<10	69	<10	123
W422620		<20	0.10	<10	<10	66	<10	202
W422621		<20	0.06	<10	<10	35	<10	46





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Page: 7 - A  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W422622		0.31	<0.001	<0.2	1.40	10	<10	60	<0.5	<2	0.10	<0.5	4	28	18	1.85
W422623		0.50	0.010	<0.2	1.62	51	<10	80	0.6	2	0.11	<0.5	10	25	29	3.11
W422624		0.46	0.011	<0.2	1.43	19	<10	110	<0.5	<2	0.17	<0.5	9	25	28	2.47
W422625		0.40	0.005	<0.2	1.56	37	<10	90	0.5	<2	0.09	<0.5	11	25	26	3.27
W422626		0.44	0.009	0.2	1.91	33	<10	130	0.8	<2	0.20	<0.5	30	41	58	4.18
W422627		0.47	0.019	<0.2	1.78	99	<10	120	0.9	<2	0.16	<0.5	17	28	37	3.70
W422628		0.51	0.022	<0.2	1.73	50	<10	110	0.7	<2	0.10	<0.5	13	28	38	3.43
W422629		0.51	0.018	<0.2	1.62	82	<10	120	0.7	2	0.18	<0.5	15	28	42	3.25
W422630		0.44	0.008	0.2	1.92	33	<10	90	0.5	<2	0.07	<0.5	9	29	35	3.71
W422631		0.39	0.013	<0.2	2.20	186	<10	140	0.6	<2	0.14	<0.5	10	31	23	2.93
W422632		0.36	0.007	<0.2	2.03	101	<10	100	0.6	<2	0.08	<0.5	7	27	16	2.75
W422633		0.41	0.011	0.2	2.17	197	<10	210	0.7	<2	0.24	<0.5	17	34	32	3.39
W422634		0.38	0.012	1.7	1.03	160	<10	50	<0.5	<2	0.05	<0.5	5	23	22	3.13
W422635		0.57	0.015	0.2	1.41	211	<10	140	0.5	<2	0.25	0.5	24	32	61	3.82
W422533		0.40	0.006	0.3	1.62	67	<10	120	<0.5	<2	0.09	<0.5	7	26	17	2.50
W422534		0.45	0.010	0.4	1.52	45	<10	140	<0.5	2	0.18	<0.5	5	21	9	1.75
W422535		0.35	0.005	0.4	1.28	56	<10	130	<0.5	<2	0.21	<0.5	6	21	15	1.80
W422536		0.10	NSS	<0.2	1.00	7	<10	110	<0.5	<2	0.16	<0.5	3	18	14	1.33
W422537		0.13	0.007	<0.2	0.95	5	<10	100	<0.5	<2	0.11	<0.5	3	13	13	1.27
W422538		0.08	<0.001	0.2	1.24	10	<10	70	0.5	<2	0.13	<0.5	5	18	18	1.48
W422539		0.37	0.014	0.3	1.51	66	<10	110	0.7	<2	0.12	<0.5	9	20	19	2.55
W422540		0.37	0.033	0.2	1.95	269	<10	210	0.9	2	0.23	<0.5	10	24	26	3.51
W422541		0.10	NSS	<0.2	1.02	14	<10	110	<0.5	<2	0.15	<0.5	3	12	12	1.43
W422542		0.43	0.079	1.1	1.45	160	<10	160	1.1	<2	0.33	<0.5	9	16	19	3.51
W422543		0.53	0.004	0.5	1.58	33	<10	60	<0.5	<2	0.08	<0.5	8	29	51	4.07
W422544		0.42	0.014	0.7	1.16	101	<10	50	<0.5	<2	0.08	<0.5	6	25	42	4.01
W422545		0.18	0.001	0.2	1.40	29	<10	80	<0.5	<2	0.11	<0.5	4	26	38	4.07
W422546		0.46	0.013	3.9	2.24	87	<10	190	0.7	<2	0.21	0.5	11	48	39	4.11
W422547		0.56	0.009	0.5	2.95	96	<10	200	1.4	<2	0.13	<0.5	25	58	51	6.23
W422548		0.08	NSS	0.2	1.82	13	<10	170	<0.5	2	0.30	0.8	13	29	21	2.10
W422549		0.34	0.003	<0.2	2.93	55	<10	200	0.7	<2	0.18	<0.5	14	75	22	3.11
W422550		0.38	0.024	0.2	3.25	177	<10	530	0.9	2	0.37	<0.5	15	37	28	3.52
W422595		0.36	0.013	0.2	1.48	110	<10	130	<0.5	<2	0.18	<0.5	10	23	12	2.29
W422596		0.29	0.007	0.3	1.87	110	<10	130	<0.5	2	0.10	<0.5	11	30	26	3.03
W422636		0.40	0.005	<0.2	1.81	43	<10	90	<0.5	<2	0.06	<0.5	9	29	19	3.01
W422637		0.51	0.032	0.2	1.86	256	<10	110	0.6	<2	0.13	<0.5	46	28	83	4.69
W422638		0.43	0.004	<0.2	1.72	73	<10	110	<0.5	<2	0.07	<0.5	12	30	23	3.35
W422639		0.50	0.002	<0.2	1.46	56	<10	70	<0.5	<2	0.06	<0.5	4	27	19	3.19
W422640		0.37	0.010	<0.2	1.59	281	<10	110	0.5	<2	0.08	<0.5	9	32	27	3.47
W422641		0.43	0.004	<0.2	1.42	21	<10	70	<0.5	<2	0.11	<0.5	7	27	21	2.69



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Page: 7 - B  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
W422622		10	<1	0.11	10	0.33	112	1	0.03	14	920	9	0.11	<2	2	11
W422623		<10	<1	0.14	20	0.59	349	<1	0.02	28	540	14	0.03	<2	2	9
W422624		<10	1	0.07	20	0.46	339	1	0.02	25	840	9	0.02	<2	3	13
W422625		10	<1	0.11	20	0.45	668	1	0.02	22	770	19	0.07	<2	1	10
W422626		<10	<1	0.20	30	0.73	996	1	0.03	51	930	18	0.03	<2	4	17
W422627		10	<1	0.26	30	0.64	710	1	0.02	36	590	18	0.03	<2	3	13
W422628		<10	1	0.22	20	0.58	496	1	0.02	32	610	15	0.06	<2	2	12
W422629		<10	1	0.13	20	0.49	530	1	0.02	38	680	11	0.03	<2	3	18
W422630		10	<1	0.06	20	0.50	244	1	0.02	24	750	13	0.08	<2	2	12
W422631		10	<1	0.07	20	0.56	408	2	0.02	21	900	15	0.04	2	2	13
W422632		10	1	0.08	10	0.37	382	1	0.02	14	590	12	0.06	2	1	10
W422633		10	1	0.13	20	0.63	492	1	0.03	34	800	14	0.03	<2	4	25
W422634		10	<1	0.05	10	0.18	160	1	0.02	12	710	13	0.09	2	1	9
W422635		<10	1	0.11	20	0.44	523	1	0.03	49	1170	15	0.07	<2	3	20
W422533		<10	<1	0.04	10	0.39	313	2	0.02	18	550	11	0.03	<2	2	10
W422534		<10	<1	0.05	10	0.38	150	1	0.02	13	730	10	0.04	<2	2	15
W422535		<10	<1	0.06	20	0.37	264	2	0.02	15	700	9	0.02	<2	2	16
W422536		<10	<1	0.10	20	0.18	105	1	0.04	10	910	9	0.15	<2	1	15
W422537		<10	1	0.10	10	0.15	84	1	0.04	7	1150	7	0.17	<2	1	11
W422538		<10	<1	0.06	20	0.20	376	1	0.03	9	1520	12	0.17	2	1	12
W422539		<10	1	0.08	20	0.30	616	2	0.03	15	1100	25	0.09	<2	2	12
W422540		10	1	0.12	40	0.48	819	2	0.03	21	1210	20	0.07	<2	4	24
W422541		<10	<1	0.09	30	0.18	138	1	0.03	8	960	8	0.14	<2	1	15
W422542		<10	<1	0.07	40	0.41	927	2	0.02	15	970	25	0.03	<2	4	41
W422543		<10	<1	0.06	40	0.51	399	2	0.03	15	950	26	0.07	<2	2	13
W422544		<10	<1	0.05	20	0.34	167	1	0.02	16	760	37	0.06	<2	2	12
W422545		<10	<1	0.14	10	0.33	181	1	0.06	11	1310	20	0.27	<2	2	16
W422546		10	1	0.17	20	0.68	529	1	0.03	23	1030	43	0.06	2	6	20
W422547		10	1	0.34	20	0.89	590	1	0.03	48	940	23	0.06	<2	7	28
W422548		10	<1	0.21	10	0.50	853	1	0.06	15	1070	23	0.15	<2	2	27
W422549		10	<1	0.18	10	0.95	456	1	0.04	24	450	9	0.04	<2	4	19
W422550		10	1	0.29	20	0.89	672	1	0.04	22	1380	15	0.04	<2	6	37
W422595		10	<1	0.05	10	0.36	628	3	0.02	14	620	8	0.05	<2	1	17
W422596		10	<1	0.06	10	0.47	359	2	0.02	23	680	12	0.04	<2	2	11
W422636		10	<1	0.11	10	0.40	460	1	0.02	20	780	10	0.08	<2	1	8
W422637		<10	<1	0.25	20	0.53	937	1	0.03	47	1260	15	0.14	<2	3	21
W422638		10	<1	0.07	10	0.40	406	1	0.02	21	460	11	0.03	<2	2	10
W422639		10	<1	0.04	10	0.23	230	2	0.01	16	390	14	0.03	2	2	8
W422640		10	<1	0.10	20	0.49	340	2	0.01	28	520	15	0.05	<2	2	13
W422641		<10	<1	0.07	20	0.42	284	1	0.01	20	580	9	0.03	<2	2	10



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To: PACIFIC RIDGE EXPLORATION LTD.  
 SUITE 1100 - 1111 MELVILLE STREET  
 VANCOUVER BC V6E 3V6

Page: 7 - C  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
W422622		<20	0.06	<10	<10	54	<10	35
W422623		<20	0.05	<10	<10	32	<10	72
W422624		<20	0.05	<10	<10	41	<10	73
W422625		<20	0.04	<10	<10	38	<10	71
W422626		<20	0.06	<10	<10	46	<10	107
W422627		<20	0.07	<10	<10	32	<10	86
W422628		<20	0.07	<10	<10	34	<10	84
W422629		<20	0.06	<10	<10	39	<10	78
W422630		<20	0.05	<10	<10	51	<10	66
W422631		<20	0.06	<10	<10	55	10	71
W422632		<20	0.08	<10	<10	59	<10	63
W422633		<20	0.08	<10	<10	55	<10	85
W422634		<20	0.05	<10	<10	54	<10	42
W422635		<20	0.06	<10	<10	49	<10	95
W422533		<20	0.04	<10	<10	45	<10	55
W422534		<20	0.05	<10	<10	34	<10	51
W422535		<20	0.05	<10	<10	31	<10	54
W422536		<20	0.05	<10	<10	24	<10	32
W422537		<20	0.05	<10	<10	23	<10	27
W422538		<20	0.03	<10	<10	25	10	36
W422539		<20	0.05	<10	<10	34	<10	66
W422540		<20	0.05	<10	10	39	10	94
W422541		<20	0.04	<10	<10	21	<10	32
W422542		<20	0.03	<10	<10	31	30	96
W422543		<20	0.03	<10	<10	37	<10	76
W422544		<20	0.03	<10	<10	36	<10	88
W422545		<20	0.04	<10	<10	39	<10	63
W422546		<20	0.07	<10	<10	59	<10	118
W422547		<20	0.09	<10	<10	75	<10	161
W422548		<20	0.10	<10	<10	44	<10	68
W422549		<20	0.13	<10	<10	68	<10	70
W422550		<20	0.12	<10	<10	67	<10	87
W422595		<20	0.04	<10	<10	41	<10	50
W422596		<20	0.05	<10	<10	49	<10	64
W422636		<20	0.05	<10	<10	48	<10	70
W422637		<20	0.06	<10	<10	38	<10	90
W422638		<20	0.07	<10	<10	57	<10	64
W422639		<20	0.06	<10	<10	72	<10	52
W422640		<20	0.06	<10	<10	52	<10	76
W422641		<20	0.05	<10	<10	44	<10	61



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Page: 8 - A  
 Total # Pages: 8 (A - C)  
 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W422642		0.46	0.002	<0.2	1.37	31	<10	110	0.5	<2	0.15	<0.5	12	25	29	3.14
W422643		0.52	0.003	<0.2	1.68	53	<10	90	0.8	<2	0.10	<0.5	12	26	33	3.15
W422650		0.41	0.012	<0.2	1.66	41	<10	70	<0.5	<2	0.08	<0.5	16	31	46	3.45
W422651		0.47	0.086	0.3	2.52	215	<10	590	1.0	2	0.45	0.6	14	28	41	5.01
W422652		0.53	0.068	0.3	1.40	156	<10	120	1.0	3	0.27	0.5	12	20	21	3.28
W424751		0.41	0.156	0.5	2.34	1055	<10	260	0.8	8	0.35	0.6	16	33	38	3.38
W424752		0.40	0.040	<0.2	2.43	338	<10	200	0.7	2	0.25	0.5	12	38	24	3.02
W424754		0.24	0.009	0.4	1.55	163	<10	90	<0.5	<2	0.08	<0.5	6	31	22	2.64
W424755		0.39	0.016	<0.2	1.63	69	<10	90	0.7	<2	0.06	<0.5	11	26	34	3.81
W424756		0.34	0.010	<0.2	2.06	24	<10	100	0.5	2	0.12	<0.5	12	27	54	4.13
W424757		0.17	0.031	0.4	1.60	64	<10	70	0.7	2	0.15	<0.5	24	38	80	5.44
W424758		0.38	0.002	<0.2	1.99	24	<10	110	0.8	<2	0.13	<0.5	9	27	30	3.37



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To: PACIFIC RIDGE EXPLORATION LTD.  
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 VANCOUVER BC V6E 3V6

Page: 8 - B  
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 Plus Appendix Pages  
 Finalized Date: 21-SEP-2017  
 Account: PARIEX

Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
W422642		<10	<1	0.09	20	0.44	443	1	0.01	31	780	10	0.03	<2	2	13
W422643		<10	<1	0.16	30	0.64	450	1	0.01	28	490	17	0.04	<2	2	10
W422650		10	<1	0.05	10	0.46	439	1	0.01	34	840	11	0.07	<2	1	10
W422651		10	<1	0.56	60	0.89	977	2	0.04	18	1120	23	0.05	<2	9	49
W422652		<10	<1	0.07	30	0.47	718	1	0.02	28	800	40	0.03	<2	3	26
W424751		10	<1	0.17	20	0.76	716	1	0.02	23	1410	18	0.03	<2	5	32
W424752		10	<1	0.11	20	0.78	531	1	0.02	20	810	15	0.04	<2	4	26
W424754		10	<1	0.05	10	0.31	301	1	0.02	15	1010	12	0.12	<2	1	10
W424755		10	<1	0.06	30	0.49	329	1	0.01	26	650	12	0.05	<2	2	12
W424756		10	<1	0.13	20	0.57	328	1	0.02	26	1200	11	0.09	<2	3	22
W424757		<10	<1	0.09	20	0.42	777	2	0.03	46	1730	18	0.11	<2	3	16
W424758		10	<1	0.19	40	0.63	329	1	0.01	29	630	14	0.05	<2	1	10



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Page: 8 - C  
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Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
W422642		<20	0.04	<10	<10	37	<10	71
W422643		<20	0.04	<10	<10	26	<10	75
W422650		<20	0.03	<10	<10	53	<10	75
W422651		20	0.19	<10	10	43	20	100
W422652		<20	0.03	<10	10	32	<10	115
W424751		<20	0.10	<10	<10	61	30	92
W424752		<20	0.10	<10	<10	61	20	73
W424754		<20	0.04	<10	<10	55	<10	47
W424755		<20	0.03	<10	<10	38	<10	67
W424756		<20	0.05	<10	<10	69	<10	67
W424757		<20	0.03	<10	<10	42	<10	85
W424758		<20	0.04	<10	<10	33	<10	64





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Page: Appendix 1  
Total # Appendix Pages: 1  
Finalized Date: 21-SEP-2017  
Account: PARIEX

Project: RC Property

**CERTIFICATE OF ANALYSIS WH17184070**

**CERTIFICATE COMMENTS**

**ANALYTICAL COMMENTS**

Applies to Method: NSS is non-sufficient sample.  
ALL METHODS

**LABORATORY ADDRESSES**

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.  
LOG-22 SCR-41 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.  
Au-ICP21 ME-ICP41

# APPENDIX V

## JP Exploration Rock Sample Descriptions and Summary Analysis

## MEMORANDUM

**TO:** GERRY CARLSON  
**FROM:** JEAN PAUTLER, P. GEO.  
**SUBJECT: RC PROJECT MAPPING & PROSPECTING**  
**DATE:** 08/30/2017  
**CC:**

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### 1.0 INTRODUCTION

This memo summarizes six man days of mapping and prospecting on the RC property of Pacific Ridge Exploration Ltd. on NTS map sheet 115P/14. Work was completed by Jean Pautler from August 23 to 27, 2017 from a road accessible camp situated at 395114mE, 7080720mN, Nad 83, zone 8, with mobilization on August 23 and demobilization on August 27. A total of 30 rock samples were collected from the property. Sample descriptions with locations and select results are shown in Table 1, with geology and sample locations shown in Figures 1-3. Control was provided by GPS and reported in Nad 83, zone 8 projection. Photographs have been sent separately.

### 2.0 GEOLOGY

Mapping focused on three main areas to evaluate the source of significant gold-arsenic soil anomalies and nature and controls on known mineralization. The three areas are the Contact zone extension (Bee grid area), Rhosgobel extension (Far grid area) and the central Big Creek stock area (Big Creek Central). Big Creek Southeast was not examined due to recent work (rock geochemical sampling and prospecting/mapping) by Cor Coe in this area, undertaken earlier in the month.

Mapping was initially hampered by inaccurate topographic maps, which show locations 30m west and about 90m south of the actual topographic location. The Canvec maps ([http://ftp.geogratis.gc.ca/pub/nrcan\\_rncan/vector/canvec/archive/canvec\\_archive\\_20130515/50k\\_shp/115/p/](http://ftp.geogratis.gc.ca/pub/nrcan_rncan/vector/canvec/archive/canvec_archive_20130515/50k_shp/115/p/)) were found to be more accurate than the Topo Canada and geomatics Yukon maps. Discrepancies have been found, particularly with the outline of the stocks, in previous maps with Coombs (1995) showing better accuracy than the Mann (2011) and Schulze (2005) maps. The faulty topography is of particular concern along the western property boundary, where it adjoins the pre-existing Clear Creek Project.

#### 2.1 Geology and Alteration

The RC property is primarily underlain by metasedimentary rocks of the Yusezyu Formation of the Hyland Group which have undergone greenschist facies metamorphism. Lithologies include muscovite-chlorite phyllite and micaceous quartzite,

with lesser meta-arenite and siliciclastic grit, commonly interbedded. Foliations generally trend easterly to locally southeast and northeast, dipping shallow to moderately north. The phyllite can become graphitic, proximal to faults. Biotite hornfelsing is common and andalusite is present within the phyllites within a small embayment of the phyllite into the Rhosgobel stock in the southwest property area, and within a pendant/screen within the Big Creek stock. Calc-silicate alteration  $\pm$ pyrrhotite was observed within a gossanous zone within the pendant with pyrrhotite observed within the surrounding diorite and granodiorite of the stock.

Yusezyu Formation metasedimentary rocks are intruded by the Cretaceous Tombstone plutonic suite, with the Rhosgobel stock in the southwest property area and the Big Creek stock in the central property area. The Rhosgobel stock is generally medium to coarse grained with megacrysts of potassium feldspar, and quartz monzonite in composition. Abundant southeast trending dykes emanate from the stock, at least in part, controlled by structure. The Big Creek stock is primarily medium to fine grained diorite in composition with minor granodiorite. Brecciation occurs along the northern contact of this stock.

A major north trending fault extends along the northerly flowing portion of upper Big Creek, extending southwards, to where it has been previously recognized through the saddle and along upper Right Clear Creek. This fault may be the continuation of the Josephine fault (*Stammers 2000*), dextrally offset along the easterly trending fault following the east flowing section of Big Creek. More east-west trending structures discussed below do not appear to cross upper Big Creek. A major easterly trending fault has been previously recognized along the easterly flowing tributary of Big Creek and then along the easterly flowing portion of Big Creek. This fault appears to extend through the northern Contact zone extension in the Bee grid area.

## 2.2 Mineralization

The most extensive area of quartz-arsenopyrite veining observed was in the Contact zone extension, Bee grid area (*Figures 1 and 3*), above a 913 ppb Au soil anomaly. Sheeted, about 20 cm wide, quartz veins occur at what appears to be an old trench or pad at 398979mE, 7082712mN Nad 83, zone 8 (sample 1501317), with an arsenopyrite rich vein at 398996mE, 7082748mN (sample 1501314). An in situ vein occurs along the ridge at 399056mE, 7082499mN, and appears to continue along strike (samples 1501308-11).

Another quartz-arsenopyrite vein zone occurs about 500m to the south above a 768 ppb Au soil anomaly at 399277mE/7082068mN (sample 1501304). Other veins here contain oxidized cubic pyrite, with stockwork and quartz-tourmaline and iron oxide cemented breccias nearby (samples 1501303, 05-07). Quartz eye rhyolite dykes occur in the area with one apparently trending northerly in talus exposure.

Both of the above areas within the Contact zone extension appear to be related to westerly to northwesterly trending faults and occur in saddles. A 309 ppb Au soil anomaly occurs in between the two areas, with only one rock sample previously collected which did not return anomalous results (sample 19222 – Mann, 2011) and

brecciation noted. Consequently, the entire area is prospective and requires detailed prospecting and sampling.

Several gossanous zones were noted during the current mapping program. A 50m wide rusty zone hosted by phyllite is evident cutting the northeast trending ridge in the Far grid area. Easterly trending quartz veins occur here with brecciation at the northern end of the gossan. Faults trending  $280^{\circ}$  and  $300^{\circ}$  are postulated here as shown in Figure 2. No sampling was completed due to evidence (old flags) from previous sampling. The faults project into the embayment where quartz veining is also evident (sample 1501301) and the phyllite is limonite, sericite and epidote altered. Another rusty 20m wide northwesterly trending fault zone is associated with quartz veins, breccia and tourmaline, approximately 300-350m to the southwest (samples 1501302, 25-26), which appears to control dyke emplacement from the Rhosgobel stock. Veins occur within the stock (1501324) and surrounding metasedimentary rocks. Extensive veining is evident within the Far grid area which requires sampling, not undertaken in 2017 due to the topography issue, resulting in uncertainty in the actual property boundary.

Another prominent gossan, previously sampled and documented in Mann (2011), was investigated which corresponds to a calc-silicate altered zone of limy metasedimentary rock within the Big Creek stock. Pyrrhotite occurs within the calc-silicate and within the surrounding diorite and granodiorite (previous sample 19066) and quartz  $\pm$ tourmaline vein float is evident (previous samples 19062, 64), with peak values of 699 ppb Au and 41.7 ppm Ag (19064). Another west-northwesterly ( $280$ - $290^{\circ}$ ) trending fault gully occurs at the northern extent of this zone which contains abundant quartz vein and breccia mineralization (previous samples 19065-68) with peak values of 310 ppb Au and 18.6 ppm Ag (19068).

Investigation of a 15 cm quartz–arsenopyrite vein from Mann (2011), which returned 2.9 g/t Au (19210), indicated that the vein appears to be related to a 20m wide  $120^{\circ}$  trending fault zone. The vein may also continue in this direction with two vein samples collected along trend (1501323, 29), as well as an iron oxide breccia (1501328). Other quartz vein samples were collected at  $160^{\circ}$  from sample 19210 (1501319-20). The diorite host in the area is clay-limonite-sericite altered. A rusty gossan with a prominent quartz vein occurs 500m at  $160^{\circ}$  from sample 19210 and may trend  $340^{\circ}/75^{\circ}$ E (Figure 2). The site appears to have been sampled by Cor Coe.

Quartz veins up to 50 cm wide were also observed within clay-sericite-limonite altered micaceous quartzite and phyllite just northeast of the Big Creek stock, with a trend of  $220^{\circ}/80^{\circ}$ NW noted for one set of veins (1501321-22). Quartz-arsenopyrite veins are shown in Mann (2011) along a ridge almost 1 km south of the Big Creek stock, but no samples are noted (Figure 2).

Respectfully submitted,

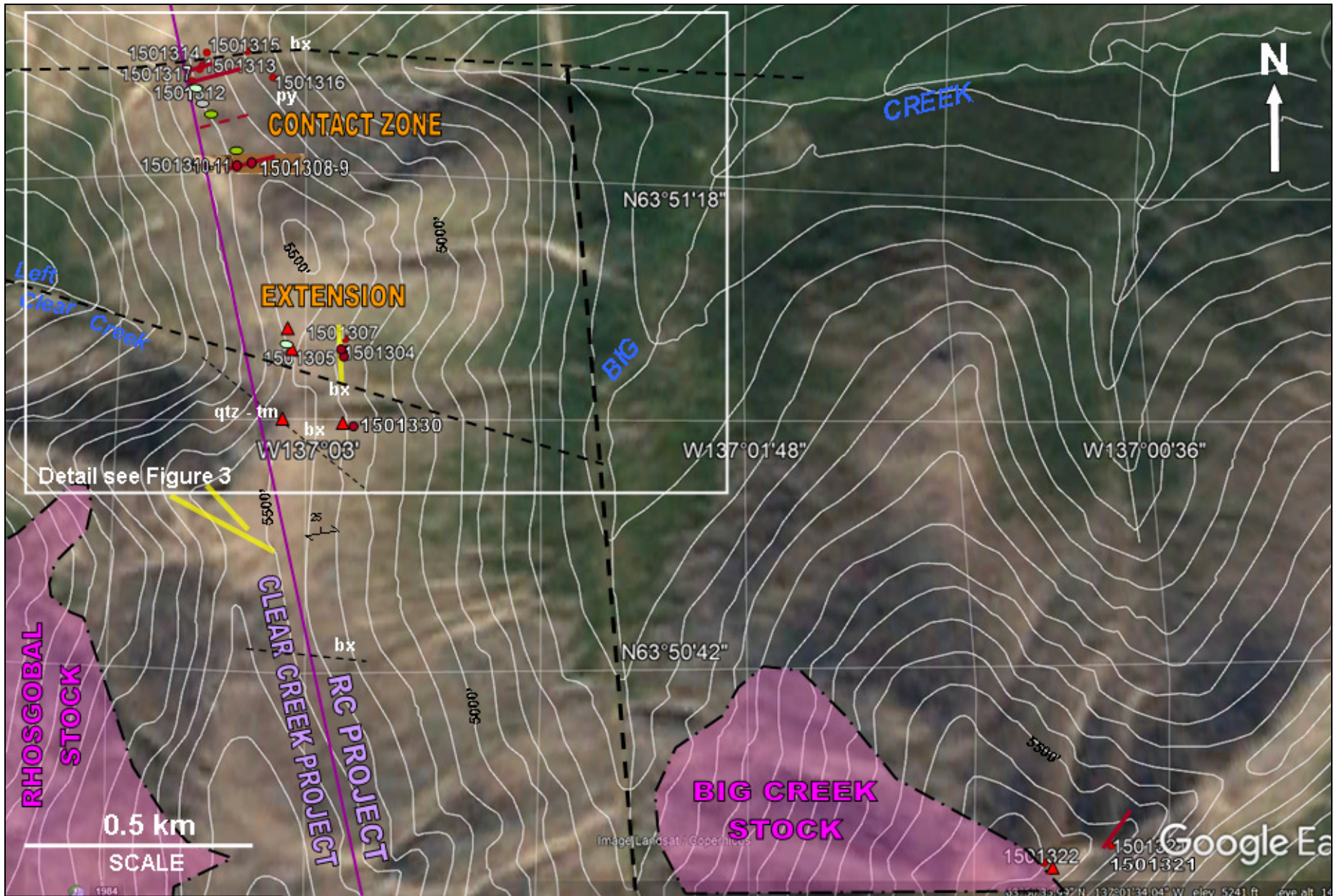
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Jean Pautler, P.Geo.  
August 30, 2017

SAMPLE NUMBER	GENERAL LOCATION	NAD 83 Zone 8		ELEV. (m)	TYPE	DESCRIPTION	Au	Ag	As	Sb
		EASTING	NORTHING				ppb	ppm	ppm	ppm
1501301	Far grid	399069	7079946	1702	grab	composite of quartz-arsenopyrite vein talus to 15 cm, trace arsenopyrite (garlic smell), trend 010, hosted by sericite-limonite-epidote altered phyllite at contact with Rhosgobel stock	0.051	4.4	>10000	9
1501302	Far grid	399036	7079684	1737	grab	orange to white sugary quartz veins in talus with rusty fractures, cross cutting drusy veinlets, oxidized cubic pyrite, possible sphalerite, most 10-15 cm, in phyllite near feldspar porphyry dykes off of stock	<0.005	<0.3	21	<3
1501303	Bee grid	399282	7082058	1582	grab	quartz stockwork with fine (mm) quartz veinlets up to 1 cm wide, cutting bleached and variably silicified muscovite-chlorite phyllite, with boxwork (after calcite?) and some limonitic boxwork (after pyrite?); above 768.3 ppb Au in soil	0.267	13.4	230	16
1501304	Bee grid	399277	7082068	1583	grab	chip across 15 by 15 by 30 cm quartz-arsenopyrite vein boulder with adjacent quartz stockwork cutting bleached phyllite with 1% arsenopyrite as disseminations and aggregates along veinlets; limonitic fracture fillings and goethite blebs (after sulphide); above 768.3 ppb Au in soil	0.051	11.0	1520	8
1501305	Bee grid	399275	7082066	1587	grab	quartz veins with trace arsenopyrite needles at margins cutting chloritic phyllite with limonitic fracture fillings; from 768.3 ppb Au in soil area	<0.005	<0.3	39	4
1501306	Bee grid	399287	7082076	1585	grab	talus blocks of quartz vein stockwork in muscovite-chlorite phyllite with 2% oxidized cubic pyrite and trace possible fine stibnite; quartz eye rhyolite dyke through here; above 768.3 ppb Au in soil	0.028	1.2	87	<3
1501307	Bee grid	399285	7082097	1587	grab	quartz-tourmaline breccia consisting of brecciated quartz with tourmaline and dark grey, muddy phyllite matrix cut by limonitic fractures - quartz fragments are angular to subrounded, up to 1 cm in size; above 768.3 ppb Au in soil	0.013	<0.3	31	<3
1501308	Bee grid	399056	7082499	1622	20 cm chip	20 cm yellowish-white quartz vein trending 070/90 in subcrop with banded margins, limonite fractures both parallel and perpendicular to vein, minor grey patches; along ridgeline	<0.005	<0.3	2	<3
1501309	Bee grid	399056	7082499	1622	40 cm chip	clear (up to 1 cm) and white (few mm) quartz vein stockwork adjoining 1501308 to south, cutting bleached sericite-limonite-clay altered micaceous quartzite with limonitic fracture fillings +/-chlorite	<0.005	<0.3	11	<3
1501310	Bee grid	399043	7082497	1622	grab	quartz vein and stockwork from felsensmeer 15m along trend to west of 1501308 vein with minor drusy vugs and veins, trace fine pyrite on fractures, possible trace arsenopyrite, altered micaceous quartzite host	<0.005	<0.3	38	<3
1501311	Bee grid	399045	7082497	1622	grab	garlic smelling, rusty weathering white quartz veins with possible fine arsenopyrite from 1501310 area	<0.005	<0.3	18	<3
1501312	Bee grid	398959	7082687	1618	grab	rusty weathering white quartz vein with boxwork (after pyrite), some oxidized cubic pyrite, possible trace arsenopyrite, rusty fracture fillings and some stockwork cutting clay-limonite-sericite altered host	0.023	4.9	332	<3
1501313	Bee grid	398986	7082720	1610	grab	7 cm quartz vein with adjacent 8cm of stockwork as local felsensmeer, cut by fine (few mm) arsenopyrite and pyrite fracture fillings; clay-limonite-sericite altered host; fine tourmaline needles in area	0.317	4.6	3383	10
1501314	Bee grid	398996	7082748	1601	grab	weak rusty weathering 40 by 50 cm white quartz vein boulder with ribbon fractures and others cross cutting with arsenopyrite, oxidized cubic pyrite, some chlorite-epidote-limonite-clay altered wallrock clasts (old 7130 sample? nearby)	0.046	<0.3	191	<3
1501315	Bee grid	399076	7082759	1562	grab	Fe-Mn cemented breccia with quartz clasts and sericite-clay altered wallrock, some quartz stringers, lots limonite clasts to a maximum of 1 cm	0.511	0.5	3292	5

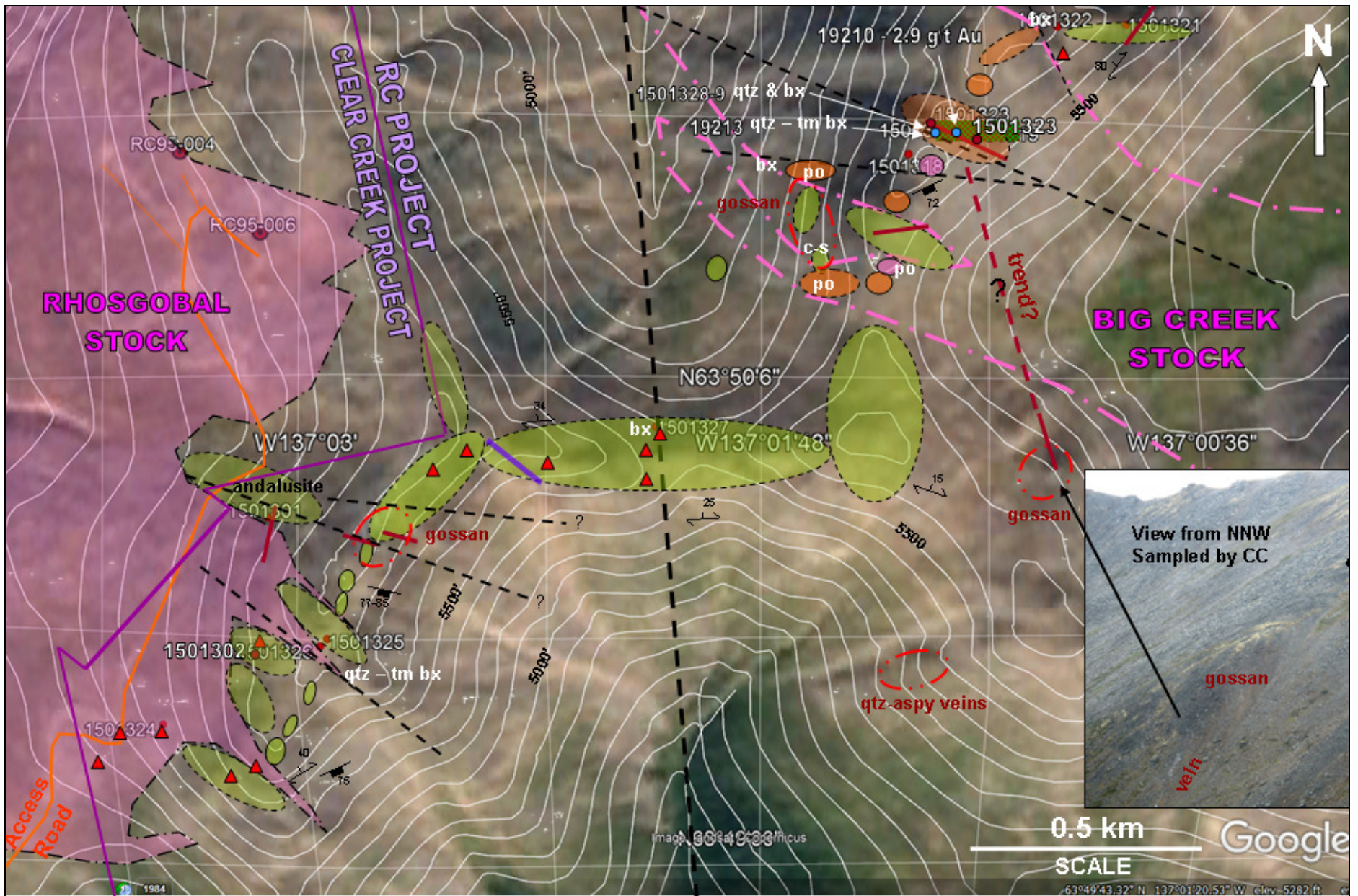


SAMPLE NUMBER	GENERAL LOCATION	NAD 83 Zone 8		ELEV. (m)	TYPE	DESCRIPTION	Au	Ag	As	Sb
		EASTING	NORTHING				ppb	ppm	ppm	ppm
1501316	Bee grid	399127	7082702	1547	grab	dark, rusty weathering pyritic quartzite with dark grey patches, possible arsenopyrite, possible secondary biotite	0.257	0.4	336	<3
1501317	Bee grid	398979	7082712	1614	grab	assorted quartz vein float from possible old trench with at least 6 sheeted veins about 15-20 cm wide, some arsenopyrite flecks, limonitic fractures and oxidized cubic pyrite, some minor stockwork	0.007	0.7	72	<3
1501318	Central BCS	400457	7080673	1757	grab	fault breccia with limonite-Mn cement with clay altered and occasional quartz clasts	0.007	<0.3	920	<3
1501319	Central BCS	400570	7080709	1747	grab	brecciated quartz with some clay altered clasts, cut by limonitic fractures and vugs and sheeted Mn fracture fillings, possibly on trend of 2.9 g/t Au vein	1.919	3.0	769	<3
1501320	Central BCS	400569	7080717	1750	grab	composite of 5-10 cm grey quartz veins with limonitic fracture fillings	0.173	0.7	196	<3
1501321	Central BCS	400935	7080939	1709	grab	white quartz veins trending 220/80NW up to 50 cm wide with surrounding stockwork cutting micaceous quartzite +/- clay-sericite-limonite altered, limonite fracture fillings	<0.005	0.5	96	<3
1501322	Central BCS	400774	7080924	1751	grab	composite of 5-10 cm quartz veins with limonitic fracture fillings, and some fractured and weakly brecciated	<0.005	<0.3	58	<3
1501323	Central BCS	400598	7080736	1756	grab	rusty weathering brecciated quartz with oxidized cubic pyrite and limonite (after pyrite), possible strike extent (120) of 19210 vein (2.9 g/t Au) from 2010	3.671	2.6	3938	7
1501324	Far Grid	398791	7079494	1635	grab	minor quartz float to 15 cm with chlorite and tourmaline stringers and possible arsenopyrite (garlic smell) as fine grey fracture fillings, and quartz-sericite-clay altered host with quartz veinlets to 1 cm	0.012	0.9	89	<3
1501325	Far Grid	399206	7079692	1789	grab	strong rusty, heavy, oxidized quartz-tourmaline bits from rusty soil area in 20m wide fault zone	0.029	4.6	1862	<3
1501326	Far Grid	399189	7079676	1776	grab	quartz-tourmaline vein stockwork with sericite-clay (and/or chlorite) in strongly altered phyllite and limonite-clay-sericite altered feldspar porphyry (coarse grained feldspar porphyry dyke extends through fault zone)	0.021	1.7	6248	<3
1501327	Far Grid	399898	7080114	1626	grab	globular quartz vein with chlorite stringers and clear quartz with minor arsenopyrite?	0.500	<0.3	13	<3
1501328	Central BCS	400509	7080793	1748	grab	fault breccia with limonite-Mn cement with clay altered and occasional quartz clasts; RC sample	0.010	2.3	2320	8
1501329	Central BCS	400509	7080793	1748	grab	clast supported quartz breccia with limonite cement, vugs and fracture fillings, some chlorite stringers and vugs, minor grey stringers with possible arsenopyrite (garlic smell); RC sample	<0.005	0.7	408	<3
1501330	Bee grid	399291	7081908	1585	grab	milky white quartz vein with weak brecciated margin with limonite infilling, abundant chlorite fracture fillings - stockwork, possibly with arsenopyrite (garlic smell); RC sample	<0.005	0.4	34	<3



<p><b>FIGURE 1</b>  <b>GEOLOGY &amp; SAMPLES</b>          NW RC PROJECT          JPEx August 25, 2017</p>	<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li>● 2017 sample</li> <li>--- fault</li> <li>— quartz vein</li> <li>- - - quartz stockwork</li> <li>▲ quartz felsenmeer</li> </ul>	<p><b>GEOLOGY</b></p> <ul style="list-style-type: none"> <li>— quartz porphyry dykes</li> </ul>	<p>L Cretaceous</p> <ul style="list-style-type: none"> <li>■ Tombstone (Tb) suite intrusions</li> </ul>	<p>Proterozoic - Cambrian</p> <ul style="list-style-type: none"> <li>□ Hyland Group metasedimentary rocks</li> </ul>
			<p>0.5 km SCALE</p>	

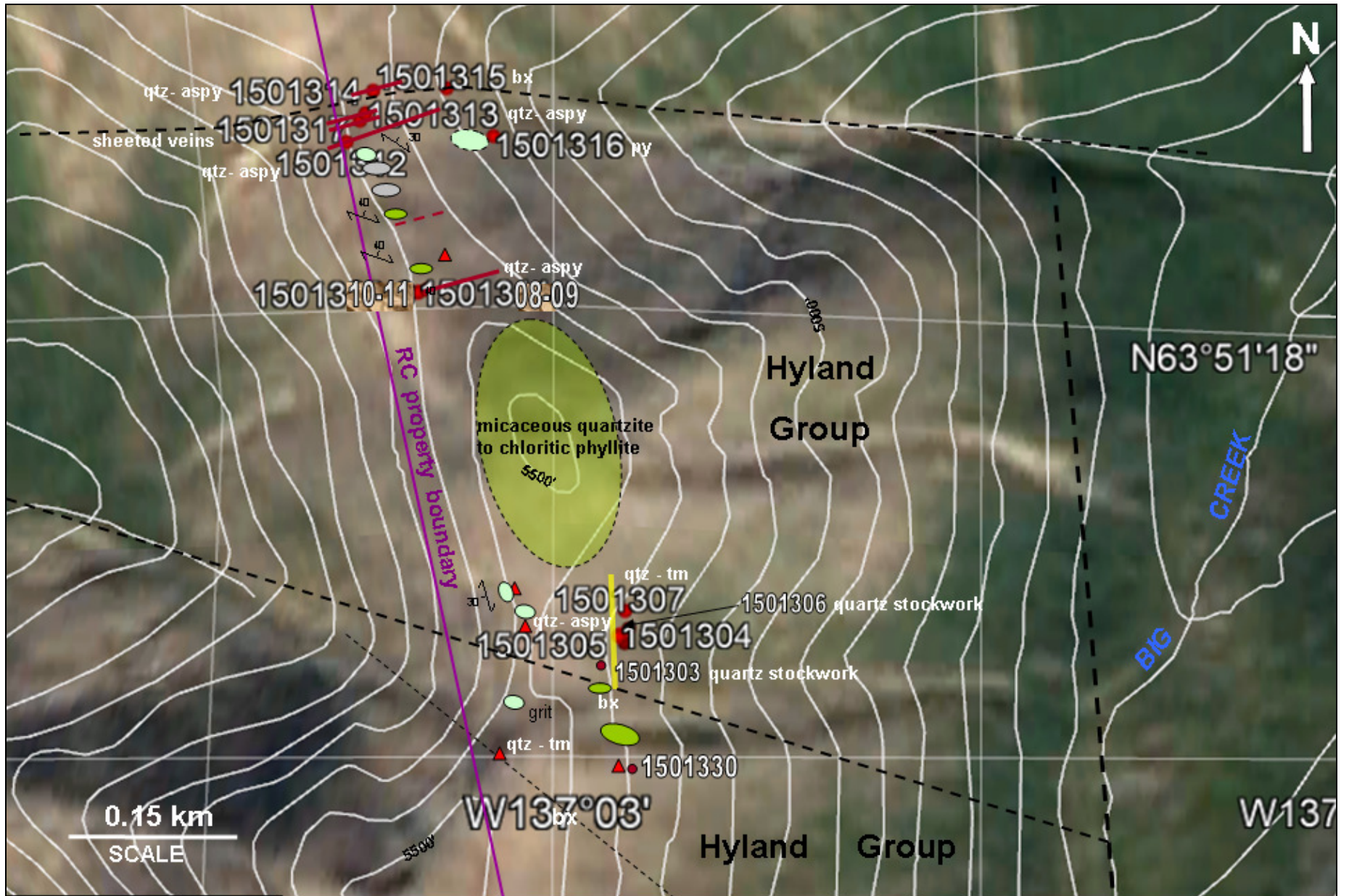




**FIGURE 2**  
**GEOLOGY & SAMPLES**  
 SW RC PROJECT  
 JPEX August 25, 2017

<b>LEGEND</b>	quartz vein, felsenmeer	old drill hole	<b>Tombstone suite</b>	<b>Hyland Group</b>
2017 sample	fault	previous sample	quartz monzonite to granodiorite	metasedimentary rocks chloritic phyllite, ± andalusite &/or graphitic, micaceous quartzite
outcrop, subcrop	quartz porphyry dykes	lamprophyre dyke	quartz diorite to diorite	





**FIGURE 3**  
**GEOLOGY & SAMPLES**  
**CONTACT ZONE EXTENSION**  
**JPEX August 25, 2017**

LEGEND	
● 2017 sample	▲ quartz felsenmeer
● previous sample	--- quartz stockwork
— quartz vein	--- fault
▲ quartz felsenmeer	— quartz porphyry dykes
□ Hyland Group	○ outcrop
○ micaceous quartzite	○ subcrop
○ chloritic phyllite	
○ graphitic phyllite	

# APPENDIX VI

## Laboratory Rock Sample Analysis Certificates



**BUREAU VERITAS** MINERAL LABORATORIES  
Canada

[www.bureauveritas.com/um](http://www.bureauveritas.com/um)

Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada  
PHONE (604) 253-3158

**Client:** Pacific Ridge Exploration Ltd.  
Suite 1100, 1111 Melville St,  
Vancouver British Columbia V6E 3V6 Canada

Submitted By: Gerry Carlson  
Receiving Lab: Canada-Whitehorse  
Received: August 14, 2017  
Report Date: September 08, 2017  
Page: 1 of 2

# CERTIFICATE OF ANALYSIS

WHI17000586.1

## CLIENT JOB INFORMATION

Project: RC  
Shipment ID:  
P.O. Number  
Number of Samples: 30

## SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days  
DISP-RJT Dispose of Reject After 60 days

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Pacific Ridge Exploration Ltd.  
Suite 1100, 1111 Melville St,  
Vancouver British Columbia V6E 3V6  
Canada

CC: Jean Pautler

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP90-250	30	Crush (>90%), split and pulverize 250g rock to 200 mesh			WHI
FA430	30	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
EN002	30	Environmental disposal charge-Fire assay lead waste			VAN
AQ300	30	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
SHP01	30	Per sample shipping charges for branch shipments			VAN

## ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.





Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Pacific Ridge Exploration Ltd.**

Suite 1100, 1111 Melville St,  
Vancouver British Columbia V6E 3V6 Canada

Project: RC

Report Date: September 08, 2017

Page: 2 of 2

Part: 1 of 2

# CERTIFICATE OF ANALYSIS

# WHI17000586.1

Method	WGHT	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	
1501301	Rock	0.80	0.051	1	<1	75	4	4.4	2	1	47	1.91	>10000	9	53	<0.5	9	7	<1	0.27	0.044
1501302	Rock	2.87	<0.005	13	3	3	5	<0.3	2	<1	27	0.81	21	<2	<1	<0.5	<3	<3	<1	<0.01	0.004
1501303	Rock	1.92	0.267	<1	9	49	24	13.4	5	2	37	0.94	230	5	10	<0.5	16	13	<1	<0.01	0.007
1501304	Rock	1.81	0.051	<1	12	50	44	11.0	5	3	57	1.04	1520	<2	7	<0.5	8	5	1	<0.01	0.005
1501305	Rock	1.71	<0.005	<1	12	7	21	<0.3	3	<1	56	1.03	39	3	1	<0.5	4	<3	3	<0.01	0.005
1501306	Rock	1.15	0.028	<1	17	11	29	1.2	5	1	56	1.40	87	4	<1	<0.5	<3	6	2	<0.01	0.007
1501307	Rock	2.39	0.013	<1	10	9	10	<0.3	1	<1	19	0.61	31	6	4	<0.5	<3	<3	<1	<0.01	0.006
1501308	Rock	1.43	<0.005	<1	4	5	14	<0.3	8	3	102	0.53	2	<2	2	<0.5	<3	4	2	0.01	0.006
1501309	Rock	0.95	<0.005	<1	5	7	13	<0.3	2	<1	101	0.80	11	5	4	<0.5	<3	<3	4	0.01	0.005
1501310	Rock	2.00	<0.005	<1	5	11	21	<0.3	8	3	168	0.66	38	3	3	<0.5	<3	<3	2	0.05	0.012
1501311	Rock	2.44	<0.005	<1	3	3	5	<0.3	2	<1	42	0.37	18	<2	1	<0.5	<3	4	1	<0.01	0.002
1501312	Rock	3.23	0.023	<1	10	18	14	4.9	8	3	83	0.97	332	2	11	<0.5	<3	9	2	<0.01	0.013
1501313	Rock	1.49	0.317	<1	31	22	17	4.6	7	2	45	1.11	3383	4	14	<0.5	10	7	2	<0.01	0.011
1501314	Rock	2.51	0.046	<1	5	<3	3	<0.3	1	<1	34	0.74	191	<2	6	<0.5	<3	4	1	0.02	0.014
1501315	Rock	1.56	0.511	<1	207	22	70	0.5	14	8	89	13.62	3292	22	4	0.6	5	41	12	<0.01	0.083
1501316	Rock	1.00	0.257	<1	111	<3	39	0.4	26	6	133	2.76	336	7	12	<0.5	<3	31	6	0.12	0.016
1501317	Rock	2.97	0.007	<1	2	7	6	0.7	1	<1	19	0.38	72	<2	2	<0.5	<3	<3	<1	<0.01	0.003
1501318	Rock	1.34	0.007	2	30	20	121	<0.3	16	17	1835	9.87	920	17	14	<0.5	<3	<3	88	0.31	0.125
1501319	Rock	1.12	1.919	<1	225	3	6	3.0	2	4	32	3.73	769	<2	4	<0.5	<3	360	13	0.01	0.019
1501320	Rock	2.02	0.173	<1	24	<3	1	0.7	1	3	30	1.00	196	<2	<1	<0.5	<3	19	2	0.01	0.004
1501321	Rock	1.70	<0.005	<1	2	3	15	0.5	4	2	40	0.65	96	3	3	<0.5	<3	<3	4	<0.01	0.008
1501322	Rock	1.32	<0.005	<1	6	<3	12	<0.3	2	<1	25	1.10	58	3	<1	<0.5	<3	<3	4	<0.01	0.008
1501323	Rock	2.03	3.671	1	100	<3	3	2.6	1	6	29	4.49	3938	<2	15	<0.5	7	143	11	0.05	0.016
1501324	Rock	2.67	0.012	2	8	5	17	0.9	2	2	174	0.90	89	5	3	<0.5	<3	<3	2	0.03	0.016
1501325	Rock	1.17	0.029	<1	17	55	21	4.6	4	2	34	2.42	1862	6	7	<0.5	<3	13	3	0.02	0.034
1501326	Rock	1.67	0.021	<1	14	39	9	1.7	3	2	31	1.04	6248	8	9	<0.5	<3	<3	2	0.03	0.019
1501327	Rock	0.93	0.500	<1	69	<3	13	<0.3	10	5	130	1.72	13	10	31	<0.5	<3	8	12	0.33	0.017
1501328	Rock	0.36	0.010	3	16	17	55	2.3	7	4	1784	9.98	2320	6	14	<0.5	8	<3	70	0.09	0.106
1501329	Rock	0.60	<0.005	<1	35	10	3	0.7	5	7	100	3.27	408	<2	2	<0.5	<3	6	7	0.01	0.007
1501330	Rock	1.38	<0.005	<1	7	13	12	0.4	1	<1	27	0.99	34	3	1	<0.5	<3	<3	1	<0.01	0.010



**BUREAU VERITAS** MINERAL LABORATORIES  
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Project: RC

Report Date: September 08, 2017

Page: 2 of 2

Part: 2 of 2

# CERTIFICATE OF ANALYSIS

WHI17000586.1

Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	ppm	%	ppm	%	ppm	%	%	ppm	%	ppm	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.01	2	0.05	1	5	5	5	
1501301	Rock	7	2	<0.01	80	<0.001	<20	0.15	0.04	0.04	>100	0.40	1	<5	<5	<5
1501302	Rock	1	3	<0.01	10	<0.001	<20	0.04	<0.01	0.01	74	<0.05	<1	<5	<5	<5
1501303	Rock	11	2	<0.01	13	<0.001	<20	0.12	<0.01	0.08	<2	<0.05	<1	<5	<5	<5
1501304	Rock	7	<1	0.01	52	<0.001	<20	0.12	<0.01	0.07	<2	0.07	<1	<5	<5	<5
1501305	Rock	6	4	0.06	10	<0.001	<20	0.20	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
1501306	Rock	7	3	<0.01	17	<0.001	<20	0.13	<0.01	0.08	<2	<0.05	<1	<5	<5	<5
1501307	Rock	14	1	<0.01	8	<0.001	31	0.08	<0.01	0.03	<2	<0.05	<1	<5	<5	<5
1501308	Rock	3	5	0.08	4	0.009	<20	0.16	0.02	0.01	<2	<0.05	<1	<5	<5	<5
1501309	Rock	6	6	0.15	13	0.008	<20	0.28	0.03	0.02	<2	<0.05	<1	<5	<5	<5
1501310	Rock	5	6	0.10	8	0.006	<20	0.17	0.02	0.02	<2	<0.05	<1	<5	<5	<5
1501311	Rock	<1	3	0.03	2	0.001	<20	0.06	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
1501312	Rock	5	4	<0.01	22	<0.001	<20	0.12	<0.01	0.06	<2	<0.05	<1	<5	<5	<5
1501313	Rock	4	1	<0.01	69	<0.001	<20	0.13	<0.01	0.03	<2	0.08	<1	<5	<5	<5
1501314	Rock	<1	2	0.02	6	<0.001	<20	0.05	<0.01	0.02	>100	<0.05	<1	<5	<5	<5
1501315	Rock	19	9	<0.01	31	0.002	<20	0.48	<0.01	0.09	3	<0.05	<1	<5	7	<5
1501316	Rock	7	11	0.24	25	0.018	<20	0.76	0.03	0.09	>100	1.13	<1	<5	<5	<5
1501317	Rock	1	1	<0.01	4	<0.001	<20	0.04	<0.01	0.01	<2	<0.05	<1	<5	<5	<5
1501318	Rock	56	57	0.07	92	0.001	<20	0.79	<0.01	0.08	<2	<0.05	<1	<5	<5	20
1501319	Rock	2	12	<0.01	10	<0.001	<20	0.07	<0.01	<0.01	26	<0.05	<1	<5	<5	<5
1501320	Rock	<1	4	<0.01	2	<0.001	<20	<0.01	<0.01	<0.01	>100	<0.05	<1	<5	<5	<5
1501321	Rock	4	3	0.03	11	0.001	<20	0.16	<0.01	0.05	<2	<0.05	<1	<5	<5	<5
1501322	Rock	3	2	<0.01	10	<0.001	<20	0.10	<0.01	0.03	2	<0.05	<1	<5	<5	<5
1501323	Rock	2	19	<0.01	31	<0.001	<20	0.04	<0.01	<0.01	>100	<0.05	1	<5	<5	<5
1501324	Rock	7	3	0.06	26	0.003	<20	0.15	0.01	0.08	>100	<0.05	1	<5	<5	<5
1501325	Rock	16	3	0.02	89	<0.001	<20	0.20	<0.01	0.07	64	<0.05	<1	<5	<5	<5
1501326	Rock	8	2	0.03	47	<0.001	<20	0.33	0.01	0.06	>100	0.20	<1	<5	<5	<5
1501327	Rock	7	16	0.30	71	0.029	<20	1.12	0.08	0.24	<2	0.18	<1	<5	<5	<5
1501328	Rock	17	10	0.02	59	<0.001	<20	0.24	<0.01	0.09	17	<0.05	<1	5	<5	8
1501329	Rock	1	1	<0.01	4	<0.001	<20	0.02	<0.01	<0.01	14	<0.05	<1	<5	<5	<5
1501330	Rock	2	<1	<0.01	7	<0.001	<20	0.08	<0.01	0.02	<2	<0.05	<1	<5	<5	<5



Bureau Veritas Commodities Canada Ltd.  
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**Client:** Pacific Ridge Exploration Ltd.  
Suite 1100, 1111 Melville St,  
Vancouver British Columbia V6E 3V6 Canada

Project: RC  
Report Date: September 08, 2017

Page: 1 of 1

Part: 1 of 2

# QUALITY CONTROL REPORT

WHI17000586.1

Method	WGHT	FA430	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.01	0.005	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	0.001	
Pulp Duplicates																					
1501301	Rock	0.80	0.051	1	<1	75	4	4.4	2	1	47	1.91	>10000	9	53	<0.5	9	7	<1	0.27	0.044
REP 1501301	QC			<1	1	77	5	4.5	2	1	47	1.96	>10000	8	54	<0.5	11	6	<1	0.28	0.044
1501329	Rock	0.60	<0.005	<1	35	10	3	0.7	5	7	100	3.27	408	<2	2	<0.5	<3	6	7	0.01	0.007
REP 1501329	QC		0.005																		
Core Reject Duplicates																					
1501327	Rock	0.93	0.500	<1	69	<3	13	<0.3	10	5	130	1.72	13	10	31	<0.5	<3	8	12	0.33	0.017
DUP 1501327	QC		0.393	<1	75	<3	13	<0.3	10	5	134	1.72	8	10	33	<0.5	<3	9	12	0.35	0.019
Reference Materials																					
STD DS11	Standard			12	142	130	339	1.7	78	13	1028	3.01	42	9	63	2.2	5	11	47	1.02	0.071
STD OREAS45EA	Standard			2	685	17	31	<0.3	360	50	399	21.34	12	11	4	1.0	<3	<3	297	0.03	0.031
STD OXC145	Standard		0.207																		
STD OXH122	Standard		1.216																		
STD OXN117	Standard		7.311																		
STD OREAS45EA Expected				1.6	709	14.3	31.4	0.26	381	52	400	23.51	10	10.7	3.5				303	0.036	0.029
STD DS11 Expected				13.9	156	138	345	1.71	81.9	14.2	1055	3.2082	42.8	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701
STD OXN117 Expected			7.679																		
STD OXC145 Expected			0.212																		
STD OXH122 Expected			1.247																		
BLK	Blank			<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01	<0.001
BLK	Blank		<0.005																		
BLK	Blank		<0.005																		
Prep Wash																					
ROCK-WHI	Prep Blank		<0.005	<1	2	8	33	<0.3	<1	3	524	1.66	<2	<2	16	<0.5	<3	3	20	0.50	0.039
ROCK-WHI	Prep Blank		<0.005	<1	3	<3	34	<0.3	1	3	535	1.70	<2	3	25	<0.5	<3	<3	20	0.57	0.037



Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada  
PHONE (604) 253-3158

Project: RC  
Report Date: September 08, 2017

Page: 1 of 1

Part: 2 of 2

# QUALITY CONTROL REPORT

WHI17000586.1

Method	Analyte	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc
Unit		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm
MDL		1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5
Pulp Duplicates																
1501301	Rock	7	2	<0.01	80	<0.001	<20	0.15	0.04	0.04	>100	0.40	1	<5	<5	<5
REP 1501301	QC	7	3	<0.01	80	<0.001	<20	0.15	0.04	0.04	>100	0.42	1	<5	<5	<5
1501329	Rock	1	1	<0.01	4	<0.001	<20	0.02	<0.01	<0.01	14	<0.05	<1	<5	<5	<5
REP 1501329	QC															
Core Reject Duplicates																
1501327	Rock	7	16	0.30	71	0.029	<20	1.12	0.08	0.24	<2	0.18	<1	<5	<5	<5
DUP 1501327	QC	8	16	0.30	72	0.029	<20	1.15	0.09	0.24	<2	0.19	<1	<5	<5	<5
Reference Materials																
STD DS11	Standard	16	55	0.82	423	0.085	<20	1.07	0.07	0.38	2	0.28	<1	5	6	<5
STD OREAS45EA	Standard	7	827	0.10	140	0.097	<20	3.02	0.02	0.05	<2	<0.05	<1	<5	24	81
STD OXC145	Standard															
STD OXH122	Standard															
STD OXN117	Standard															
STD OREAS45EA Expected		7.06	849	0.095	148	0.0984		3.13	0.02	0.053		0.036		12.4	78	
STD DS11 Expected		18.6	61.5	0.85	417	0.0976	6	1.129	0.0694	0.4	2.9	0.2835	0.3	4.9	4.7	3.1
STD OXN117 Expected																
STD OXC145 Expected																
STD OXH122 Expected																
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5
BLK	Blank															
BLK	Blank															
Prep Wash																
ROCK-WHI	Prep Blank	5	3	0.46	46	0.060	<20	0.78	0.06	0.07	<2	<0.05	<1	<5	<5	<5
ROCK-WHI	Prep Blank	5	1	0.46	60	0.070	<20	0.90	0.08	0.09	<2	<0.05	<1	<5	<5	<5

# APPENDIX VII

## Invoices

**2017 RC Gold Project Expenditures  
RC and BEE Claims  
Dawson Mining District**

<b>Date</b>	<b>Description</b>	<b>Amount</b>
27-Aug-17	JP Exploration	\$ 4,636.80
10-Aug-17	Fox Exploration Ltd.	\$ 75,121.64
11-Sep-17	BV - Rocks	\$ 962.45
30-Jul-17	Reflex - Portable XRF Rental	\$ 3,869.78
31-Jul-17	G.Carlson - 14 days @ \$800/day	\$ 11,200.00
31-Jul-17	Thor Geo Science Rentals Ltd.	\$ 2,054.06
29-Jul-17	ALS Chemex	\$ 148.84
27-Aug-17	ALS Chemex	\$ 8,411.98
4-Sep-17	ALS Chemex	\$ 156.11
7-Sep-17	ALS Chemex	\$ 1,089.74
21-Sep-17	ALS Chemex	\$ 8,205.49
10-Aug-17	Total North - Satellite	\$ 1,542.19
	Report Preparation	\$ 2,400.00
	<b>Total</b>	<b>\$ 119,799.08</b>



RE Gold.

Less: Total North - 414.75  
 1168.17  
 451.50  
 SJ (Thor) - 6716.25  
 Reflex - 10,613.35  
 -----  
 19,363.98

FOX EXPLORATION LTD.  
 (604) 315-1033

1500-409 Granville St  
 Vancouver, British Columbia  
 V6C 1T2  
 Canada

Billed To  
 Pacific Ridge Exploration  
 1100-1111 Melville St.  
 Vancouver, BC  
 V6E 3V6

Date of Issue  
 08/10/2017  
  
 Due Date  
 09/09/2017

Invoice Number  
 17007

Amount Due (CAD)  
**\$94,485.62**

- 19,363.98  
 -----  
 75,121.64

Description	Rate	Qty	Line Total
P.GEO	\$600.00 +GST	20	\$12,000.00
FIELD TECH	\$500.00 +GST	27	\$13,500.00
GEO TECH	\$400.00 +GST	28.5	\$11,400.00
ADDITIONAL SAMPLER Stephen 2 travel days, 2 sampling days	\$200.00 +GST	4	\$800.00
4-MAN CAMP	\$155.00 +GST	25	\$3,875.00
CAMP OFFICE	\$90.00 +GST	23	\$2,070.00
1 TONNE 4X4 PICKUP TRUCK	\$140.00 +GST	27	\$3,780.00
1 TONNE 4X4 PICKUP TRUCK	\$140.00 +GST	20	\$2,800.00
FIELD/SAMPLING EQUIPMENT	\$150.00 +GST	25	\$3,750.00

ATV	\$100.00 +GST	23	\$2,300.00
TRAILER	\$100.00 +GST	23	\$2,300.00
EXPENSES (SEE ATTACHED) *XRF, Mag/VLF, Sat. Internet rentals included in this invoice	\$28,494.05	1	\$28,494.05
.....			
15% COST PLUS Cost plus on expenses	\$4,274.11 +GST	1	\$4,274.11
.....			
	Subtotal		91,343.16
	GST (5%) #803 109 461		3,142.46
.....			
	Total		94,485.62
	Amount Paid		0.00
.....			
	Amount Due (CAD)		\$94,485.62

Terms

Please pay upon receipt of invoice.

# FOX EXPLORATION LTD.

## Expense Report

Date: 10-Aug-17

Project: RC Property

Client: Pacific Ridge Exploration

SHEET #	AMOUNT	(LESS GST)
1	\$ 3,892.16 \$	3,706.82
2	\$ 22,272.85 \$	21,212.24
3	\$ 2,329.04 \$	2,218.13
<b>TOTAL:</b>	<b>\$ 28,494.05 \$</b>	27,137.19

# FOX EXPLORATION LTD.

Name: Ryan Coe  
 Date: 20-Jul-17  
 Client: Pacific Ridge Exploration  
 Project: RC Property

Balance: \$3,872.16

For the period of 07-Jul-2017 to 31-Jul-2017

GST: 0.05%

Payment Type: FOX VISA OR CASH

Date	Vendor	Description	Category	Subtotal	HST/GST	Total	Notes
10-Jul-17	NORTH 60	FUEL	FUEL	23.35	1.17	\$24.52	
10-Jul-17	SUPERSTORE	GROCERIES	CAMP SUPPLIES	833.50	41.68	\$875.18	
7-Jul-17	NORTH 60	FUEL	FUEL	104.76	5.24	\$110.00	
8-Jul-17	MIDNIGHT SUNN	GROCERIES	CAMP SUPPLIES	36.71	1.84	\$38.55	
10-Jul-17	HOME HARDWARE	SUPPLIES	CAMP SUPPLIES	68.80	3.44	\$72.24	
10-Jul-17	SUPPLA	SUPPLIES	CAMP SUPPLIES	9.97	0.50	\$10.47	
8-Jul-17	WALMART	SUPPLIES	CAMP SUPPLIES	378.73	18.94	\$397.67	
11-Jul-17	TACKLING CENTRE	FOOD	FOOD	30.60	1.53	\$32.13	
8-Jul-17	BURNT TOAST	FOOD	FOOD	23.40	1.17	\$24.57	
8-Jul-17	HOME HARDWARE	SUPPLIES	Camp Supplies	43.44	2.17	\$45.61	
10-Jul-17	STARBUCKS	FOOD	FOOD	6.50	0.33	\$6.83	
10-Jul-17	NORTH 60	FUEL	FUEL	19.89	0.99	\$20.88	
11-Jul-17	RACE TRAC	FUEL	FUEL	98.69	4.93	\$103.62	
11-Jul-17	TIM HORTONS	FOOD	FOOD	20.16	1.01	\$21.17	
10-Jul-17	CANADIAN TIRE	SUPPLIES	CAMP SUPPLIES	24.99	1.25	\$26.24	
10-Jul-17	BAILEYS	FOOD	FOOD	32.80	1.59	\$34.39	
9-Jul-17	INTEGRAL TIRE	PROPANE	FUEL	23.37	1.17	\$24.54	
9-Jul-17	WALMART	GROCERIES	CAMP SUPPLIES	19.22	0.96	\$20.18	
9-Jul-17	ALL DAY GRILL	FOOD	FOOD	26.33	1.32	\$27.65	
10-Jul-17	STAPLES	SUPPLIES	CAMP SUPPLIES	53.22	2.66	\$55.88	DEDUCTED TO THE NET CABLE
10-Jul-17	CANADIAN TIRE	SUPPLIES	CAMP SUPPLIES	46.97	2.35	\$49.32	
7-Jul-17	COOK & BULL	FOOD	FOOD	53.59	2.68	\$56.27	
10-Jul-17	BURNT TOAST	FOOD	FOOD	24.78	1.24	\$26.02	
10-Jul-17	TOTAL NORTH	SATELLITE PHONE MINUTES	COMMUNICATION	305.00	19.75	\$324.75	
11-Jul-17	HOME HARDWARE	SUPPLIES	Camp Supplies	26.54	1.33	\$27.87	
7-Jul-17	TOTAL NORTH	SATELLITE INTERNET	COMMUNICATION	1,112.50	55.63	\$1168.13	DEBIT WITH GND ACCT
10-Jul-17	NORTH 60	FUEL	FUEL	81.80	4.09	\$85.89	
10-Jul-17	NORTH 60	FUEL	FUEL	30.01	1.50	\$31.51	
				3,706.82	185.34	3,892.16	

Signature:

Date:

Less Cash Advances Returned: \$

Add Cash Advances Returned: \$

Balance for Reimbursements: \$ 3,892.16





# FOX EXPLORATION LTD.

Balance: **\$2,329.04**

Name: Cor Coe

For the period of 00-Jan-1900 to 00-Jan-1900

Date: \_\_\_\_\_

GST: 0.05

Client: Pacific Ridge Exploration

Project: RC Property

Payment Type: FOX VISA OR CASH

Date	Vendor	Description	Category	Subtotal	HST/GST	Total	Notes
Jul. 29, 2017	PETROCAN 91007 ALASKA HW	fuel	fuel	104.98	5.25	\$110.23	
Jul. 28, 2017	PACIFIC COASTAL AIRLINES RICHMOND BC	travel	travel	174.23	8.71	\$182.94	
Jul. 28, 2017	RIVERSIDE GROCERY WHITEHORSE YT	food	food	29.60	1.48	\$31.08	
Jul. 28, 2017	MIGHTY WASH WHITEHORSE YT	travel	travel	23.10	1.15	\$24.25	
Jul. 28, 2017	WESTMARK HOTEL STEELE STR WHITEHORSE YT	food	food	19.30	0.97	\$20.27	
Jul. 28, 2017	SHOPPERS DRUG MART 0299 WHITEHORSE YT	camp supplies	camp supplies	18.43	0.92	\$19.35	
Jul. 27, 2017	THE ELDORADO HOTEL DAWSON CITY YT	hotel	accommodation	199.22	9.96	\$309.18	
Jul. 27, 2017	DAWSON HM HARDWARE 5469 3 DAWSON CITY YT	camp supplies	camp supplies	26.67	1.33	\$28.00	
Jul. 27, 2017	FAS GAS KOPPER KINGOPE WHITEHORSE YT	fuel	fuel	121.76	6.09	\$127.85	
Jul. 27, 2017	AFD PETROLEUM LTD DEMPSTER YT	fuel	fuel	90.39	4.52	\$94.91	
Jul. 27, 2017	BONANZA KLONDIKE INC DAWSON YT	fuel	fuel	53.61	2.68	\$56.29	
Jul. 27, 2017	RIVERWEST BISTRO DAWSON YT	food	food	6.68	0.33	\$7.01	
Jul. 26, 2017	AURORA INN DAWSON YT	food	food	38.71	1.94	\$40.65	
Jul. 23, 2017	BONANZA KLONDIKE INC DAWSON YT	fuel	fuel	80.00	4.00	\$84.00	
Jul. 23, 2017	AFD PETROLEUM LTD DEMPSTER YT	fuel	fuel	20.43	1.02	\$21.45	
Jul. 23, 2017	AFD PETROLEUM LTD DEMPSTER YT	fuel	fuel	5.10	0.26	\$5.36	
Jul. 22, 2017	THE RAVENS NOOK DAWSON CITY YT	supplies	camp supplies	72.00	3.60	\$75.60	
Jul. 16, 2017	NORTH 60 PETRO EXPRESS WHITEHORSE YT	fuel	fuel	251.14	12.56	\$263.70	
Jul. 16, 2017	DAWSON CITY GENERAL STORE FRONT STREET YT	groceries	groceries	61.91	3.10	\$65.01	
Jul. 16, 2017	RIVERWEST BISTRO DAWSON YT	food	food	16.45	0.82	\$17.27	
Jul. 16, 2017	AFD PETROLEUM LTD DEMPSTER YT	fuel	fuel	13.24	0.66	\$13.90	
Jul. 16, 2017	THE ELDORADO HOTEL DAWSON CITY YT	hotel	accommodation	214.19	10.71	\$224.90	
Jul. 16, 2017	BONANZA KLONDIKE INC DAWSON YT	food	food	6.67	0.33	\$7.00	
Jul. 10, 2017	MOOSE CREEK LODGE MAYO YT	food	food	28.48	1.42	\$29.90	
Jul. 9, 2017	INTEGRA TIRE WHITEHORSE WHITEHORSE YT	fuel	fuel	125.25	6.26	\$131.51	
Jul. 9, 2017	MIDNIGHT SUN EMPORIUM WHITEHORSE YT	food	food	16.65	0.83	\$17.48	
Jul. 9, 2017	TIM HORTONS 0621 OPS WHITEHORSE YT	food	food	7.96	0.40	\$8.36	
Jul. 9, 2017	NORTH 60 PETRO EXPRESS DAWSON YT	fuel	fuel	100.95	5.05	\$106.00	
Jul. 8, 2017	TORNADOES WHITEHORSE YT	food	food	40.71	2.04	\$42.75	
Jul. 8, 2017	SHOPPERS DRUG MART 0299 WHITEHORSE YT	supplies	camp supplies	37.95	1.90	\$39.85	
Jul. 8, 2017	TIM HORTONS 0621 OPS WHITEHORSE YT	food	food	11.56	0.58	\$12.14	
Jul. 7, 2017	CORK & BULL RESTAURANT IN WHITEHORSE YT	food	food	116.05	5.80	\$121.85	
Jul. 7, 2017	INTEGRA TIRE WHITEHORSE WHITEHORSE YT	fuel	fuel	84.76	4.24	\$89.00	
				-	-	-	
				-	-	-	
				-	-	-	
				-	-	-	
				2,218.13	110.91	\$ 2,329.04	

Signature: \_\_\_\_\_

Less Cash Advances Received: **\$** \_\_\_\_\_

Date: \_\_\_\_\_

Add Cash Advances Returned: **\$** \_\_\_\_\_

Balance for Reimbursement: **\$** **2,329.04**



# **J** EXPLORATION SERVICES INC.

#103-108 Elliott St.  
Whitehorse, Y.T.  
Y1A 6C4

Phone: 867-821-4299  
jpexpls@gmail.com

## INVOICE

August 27, 2017

Pacific Ridge Resources Ltd.  
Vancouver, British Columbia

### RC Project, Yukon

Between July 23 and August 25, 2017

Field & office work (see time sheet)	6.5 days @ \$600.00/day	\$3,900.00
Truck (Dawson to site & return)	2 days @ 100/day	200.00
Fuel	290 km x 0.40/km	116.00
Accommodation (motorhome)	5 days @ \$30/day	150.00
Field supplies (sample bags, tags, flagging)	5 days @ \$10/day	<u>50.00</u>
<b>Subtotal</b>		<b>\$4,416.00</b>
GST (5%)		<u>220.80</u>
<b>TOTAL DUE</b>		<b>\$4,636.80</b>

Jean Pautler, President  
JP Exploration Services Inc.

GST No. 88403 8217 RT0001

Please make cheque payable to JP Exploration Services Inc.  
Invoice payable 15 days from above date. Interest payable at the rate of 15% per annum on overdue accounts.

### Time Sheet

Date	Description	Days
July 23	Dawson to Left Clear Creek, map Far Grid area	1
July 24	Map/sample SE Contact extension, Bee Grid area	1
July 25	Map/sample SE Contact extension, Bee Grid area	1
July 26	Map/sample Central Big Creek stock	1
July 27	Map/sample Far Grid area & calc/sil in Cental area, demob to Dawson	1
July 31	Sample descriptions & photos	0.5
August 25	Mapping	1
<b>TOTAL</b>		<b>6.5</b>



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: **PACIFIC RIDGE EXPLORATION LTD.**  
**SUITE 1100 - 1111 MELVILLE STREET**  
**VANCOUVER BC V6E 3V6**

**INVOICE NUMBER 3965541**

BILLING INFORMATION	
Certificate:	<b>WH17156980</b>
Sample Type:	<b>Other</b>
Account:	<b>PARIEX</b>
Date:	<b>29-JUL-2017</b>
Project:	SUPPLIES
P.O. No.:	
Quote:	
Terms:	<b>Due on Receipt</b> <span style="float: right;">CO</span>
Comments: Invoice for 10 assay tag books picked up June 22, 2017 series W422251 to W422750, 10 tag books picked up July 10, 2017 series W424751 to W425250 and 25 rice bags June 22, 2017.	

QUANTITY	CODE	ANALYSED FOR - DESCRIPTION	UNIT PRICE	TOTAL
25	BAGS	Fibre or Polyweave Bags	1.15	28.75
20	TAGS	Sample Tag Book - 50 per book	5.65	113.00

To: **PACIFIC RIDGE EXPLORATION LTD.**  
 ATTN: COR COE  
 SUITE 1100 - 1111 MELVILLE STREET  
 VANCOUVER BC V6E 3V6

SUBTOTAL (CAD)	\$	141.75
R100938885 GST	\$	7.09
<b>TOTAL PAYABLE (CAD)</b>	<b>\$</b>	<b><u>148.84</u></b>

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.  
 Bank: Royal Bank of Canada  
 SWIFT: ROYCCAT2  
 Address: Vancouver, BC, CAN  
 Account: 003-00010-1001098  
 Please send payment info to [accounting.canusa@alsglobal.com](mailto:accounting.canusa@alsglobal.com)

Please Remit Payments To :  
**ALS Canada Ltd.**  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7



ALS Canada Ltd.

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

To: **PACIFIC RIDGE EXPLORATION LTD.**  
**SUITE 1100 - 1111 MELVILLE STREET**  
**VANCOUVER BC V6E 3V6**

**INVOICE NUMBER 3977483**

BILLING INFORMATION	
Certificate:	<b>WH17159411</b>
Sample Type:	<b>Soil</b>
Account:	<b>PARIEX</b>
Date:	<b>27-AUG-2017</b>
Project:	RC PROPERTY
P.O. No.:	
Quote:	
Terms:	<b>Due on Receipt</b> C1
Comments:	

ANALYSED FOR			UNIT	TOTAL
QUANTITY	CODE	DESCRIPTION	PRICE	
1	BAT-01	Administration Fee	34.10	34.10
255	PREP-41A	Dry, Sieve (180 um) Soil.	1.50	382.50
115.13	PREP-41A	Weight Charge (kg) - Dry, Sieve (180 um) Soil.	2.40	276.31
255	Au-ICP21	Au 30g FA ICP-AES Finish	17.20	4,386.00
255	ME-ICP41	35 Element Aqua Regia ICP-AES	11.50	2,932.50

SUBTOTAL (CAD) \$ 8,011.41

R100938885 GST \$ 400.57

**TOTAL PAYABLE (CAD) \$ 8,411.98**

To: **PACIFIC RIDGE EXPLORATION LTD.**  
ATTN: GERRY CARLSON  
SUITE 1100 - 1111 MELVILLE STREET  
VANCOUVER BC V6E 3V6

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.  
Bank: Royal Bank of Canada  
SWIFT: ROYCCAT2  
Address: Vancouver, BC, CAN  
Account: 003-00010-1001098  
Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To :  
**ALS Canada Ltd.**  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7



ALS Canada Ltd.

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

To: **PACIFIC RIDGE EXPLORATION LTD.**  
**SUITE 1100 - 1111 MELVILLE STREET**  
**VANCOUVER BC V6E 3V6**

**INVOICE NUMBER 3988231**

BILLING INFORMATION		
Certificate:	<b>WH17159421</b>	
Sample Type:	<b>Rock</b>	
Account:	<b>PARIEX</b>	
Date:	<b>4-SEP-2017</b>	
Project:	RC PROPERTY	
P.O. No.:		
Quote:		
Terms:	<b>Due on Receipt</b>	<b>C1</b>
Comments:		

ANALYSED FOR			UNIT	TOTAL
QUANTITY	CODE	DESCRIPTION	PRICE	
4	PREP-31A	Crush, Split, Pulverize	7.10	28.40
7.30	PREP-31A	Weight Charge (kg) - Crush, Split, Pulverize	0.75	5.48
4	Au-ICP21	Au 30g FA ICP-AES Finish	17.20	68.80
4	ME-ICP41	35 Element Aqua Regia ICP-AES	11.50	46.00

SUBTOTAL (CAD) \$ 148.68

R100938885 GST \$ 7.43

**TOTAL PAYABLE (CAD) \$ 156.11**

To: **PACIFIC RIDGE EXPLORATION LTD.**  
ATTN: GERRY CARLSON  
SUITE 1100 - 1111 MELVILLE STREET  
VANCOUVER BC V6E 3V6

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.  
Bank: Royal Bank of Canada  
SWIFT: ROYCCAT2  
Address: Vancouver, BC, CAN  
Account: 003-00010-1001098  
Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To :  
**ALS Canada Ltd.**  
2103 Dollarton Hwy  
North Vancouver BC V7H 0A7



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

To: **PACIFIC RIDGE EXPLORATION LTD.**  
**SUITE 1100 - 1111 MELVILLE STREET**  
**VANCOUVER BC V6E 3V6**

**INVOICE NUMBER 3997140**

BILLING INFORMATION		
Certificate:	<b>WH17161510</b>	
Sample Type:	<b>Soil</b>	
Account:	<b>PARIEX</b>	
Date:	<b>7-SEP-2017</b>	
Project:	RC PROPERTY	
P.O. No.:		
Quote:		
Terms:	<b>Due on Receipt</b>	C1
Comments:		

ANALYSED FOR				UNIT	
QUANTITY	CODE	-	DESCRIPTION	PRICE	TOTAL
1	BAT-01		Administration Fee	34.10	34.10
32	PREP-41		Dry, Sieve (180 um) Soil	1.50	48.00
14.94	PREP-41		Weight Charge (kg) - Dry, Sieve (180 um) Soil	2.50	37.35
32	Au-ICP21		Au 30g FA ICP-AES Finish	17.20	550.40
32	ME-ICP41		35 Element Aqua Regia ICP-AES	11.50	368.00

SUBTOTAL (CAD) \$ 1,037.85

R100938885 GST \$ 51.89

**TOTAL PAYABLE (CAD) \$ 1,089.74**

To: **PACIFIC RIDGE EXPLORATION LTD.**  
 ATTN: GERRY CARLSON  
 SUITE 1100 - 1111 MELVILLE STREET  
 VANCOUVER BC V6E 3V6

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.  
 Bank: Royal Bank of Canada  
 SWIFT: ROYCCAT2  
 Address: Vancouver, BC, CAN  
 Account: 003-00010-1001098  
 Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To :  
**ALS Canada Ltd.**  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7



**BUREAU  
VERITAS**

Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St.  
Vancouver, BC Canada V6P 6E5  
Phone 604 253 3158 Fax 604 253 1716  
GST # 843013921 RT  
QST # 1219972641

Bill To: Pacific Ridge Exploration Ltd.  
Suite 1100, 1111 Melville St,  
Vancouver, BC V6E 3V6  
CANADA

Invoice Date: September 11, 2017  
Invoice Number: **VANI280116**  
Submitted by: Gerry Carlson  
Email: gcarlson@pacificridgeexploration.com  
Job Number: WHI17000586  
Order Number:  
Project Code: RC  
Shipment ID:  
Quote Number:

Item	Package	Description	Sample No.	Unit Price	Amount
1	PRP90-250	Crush and Pulverize 250 g	30	\$7.22	\$216.60
2	PRP90-250	Overweight prep charges per 100g	232	\$0.06	\$13.92
3	FA430	30g Fire Assay for Au, AAS	30	\$13.18	\$395.40
4	EN002	Lead waste disposal fee	30	\$0.25	\$7.50
5	AQ300	0.5g - 33 element ICP ES	30	\$7.99	\$239.70
6	DRPLP	Dispose or return handling of pulps	30	\$0.10	\$3.00
7	DRRJT	Dispose or return handling of reject	30	\$0.35	\$10.50
8	SHP-01	Per sample charge for branch shipment	30	\$1.00	\$30.00
Prices reflect discount of 15.00% where applicable.			Net Total		\$916.62
			Canadian GST		\$45.83
			<b>Grand Total</b>	<b>CAD</b>	<b>\$962.45</b>

Invoice Stated In Canadian Dollars

**Payment Terms:**

Due upon receipt of invoice. Please pay the last amount shown on the invoice.

For **cheque payments**, please remit payable to:  
Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St.  
Vancouver BC, V6P 6E5

Please specify invoice number on cheque remittance.

For **electronic payments**, please contact AccountReceivable.VAN@acmelab.com for banking details.

For any enquiries please contact us at AccountReceivable.VAN@acmelab.com





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

To: **PACIFIC RIDGE EXPLORATION LTD.**  
**SUITE 1100 - 1111 MELVILLE STREET**  
**VANCOUVER BC V6E 3V6**

**INVOICE NUMBER 4000271**

BILLING INFORMATION	
Certificate:	<b>WH17184070</b>
Sample Type:	<b>Soil</b>
Account:	<b>PARIEX</b>
Date:	<b>21-SEP-2017</b>
Project:	RC Property
P.O. No.:	
Quote:	
Terms:	<b>Due on Receipt</b> C1
Comments:	

ANALYSED FOR			UNIT	TOTAL
QUANTITY	CODE	DESCRIPTION	PRICE	
252	PREP-41	Dry, Sieve (180 um) Soil	1.50	378.00
102.38	PREP-41	Weight Charge (kg) - Dry, Sieve (180 um) Soil	2.50	255.95
252	ME-ICP41	35 Element Aqua Regia ICP-AES	11.50	2,898.00
249	Au-ICP21	Au 30g FA ICP-AES Finish	17.20	4,282.80

SUBTOTAL (CAD) \$ 7,814.75

R100938885 GST \$ 390.74

**TOTAL PAYABLE (CAD) \$ 8,205.49**

To: **PACIFIC RIDGE EXPLORATION LTD.**  
 ATTN: GERRY CARLSON  
 SUITE 1100 - 1111 MELVILLE STREET  
 VANCOUVER BC V6E 3V6

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.  
 Bank: Royal Bank of Canada  
 SWIFT: ROYCCAT2  
 Address: Vancouver, BC, CAN  
 Account: 003-00010-1001098  
 Please send payment info to accounting.canusa@alsglobal.com

Please Remit Payments To :  
**ALS Canada Ltd.**  
 2103 Dollarton Hwy  
 North Vancouver BC V7H 0A7



70-C Mountjoy St. N., Suite 540  
 Toronto, ON, M4N 4V7 Canada  
 Tel: +1 705 235 2169  
 Fax: +1 705 235 2165  
 www.reflexnow.com  
 GST No. R123456789  
 GST No. 123456789012345  
 BULST No. F5701-1-5412

**INVOICE**

Invoice No: 52669

Invoice Date: 31 MAY 17

Page No: 1

Index Reflex Instrument North America Limited

**Bill To:**

FOX EXPERIMENTAL LABS INC  
 1701 ROBERT LASH DRIVE  
 COUTENAY  
 BC  
 CANADA V9N 1A7

**Delivered To:**

FOX EXPERIMENTAL LABS INC  
 1701 ROBERT LASH DRIVE  
 COUTENAY  
 BC  
 CANADA V9N 1A7

Order Date	Customer Reference No.	Whse	Account Code	Despatch Date	Sales Order No.
31 MAY 17	KRF TRAINING	VANC	FOXEXPCADS	31 MAY 17	52669

Item Code	Item Description	Ordered Qty	Shipped Qty	Back Order	UOM	Unit Price	Disc%	Total Excl TAX
Special	KRF Training Course Participants: 1. Ryan Cee 2. Gerry Carlson Date: June 2, 2017  <i>Called June 2 paid w Visa.</i>  Inv. 52669 - 4996.00 Inv. 53499 - 10163.35 ----- 11,609.35  OG1 - 2/3 : 7,739.57 RC - 1/3 : 3,869.78  Bank Details (CAD): Branch: [unclear] Transit: 0000 Bank No: 000 Account No: 027494-901 Swift Code: BNSF3333	2.00	2.00	0.00	KALS	5804.00		11,609.35
								Invoice Total Before Tax CAD 11,609.35
								TAX 20.00 20.00
								TAX 10.00 10.00
								Invoice Total Incl Tax CAD 11,639.35



The supply of Goods to the Applicant by the Index group company listed in this document is subject to the standard terms and conditions of trade published on <http://reflexnow.com/customer-terms-and-conditions>  
 PLEASE QUOTE ACCOUNT CODE WHEN PAYING DIRECT TO BANK ACCOUNT Email: [reflex@reflexnow.com](mailto:reflex@reflexnow.com)



**REFLEX**<sup>TM</sup>

an imdex limited company

70-C Mountjoy St. N., Suite 510  
Timmins, ON, P4N 4V7 Canada  
Tel: +1 705 235 2169  
Fax: +1 705 235 2165  
www.reflexnow.com  
GST No. 86670 2509 RT001  
QST No. 1215643341TQ0001  
BC PST No. PST-1001-5818

**INVOICE**

Invoice No: 53499

Invoice Date: 30 JUL 17

T/as Reflex Instrument North America Limited

Page No: 1

Bill To:  
FOX EXPLORATION LIMITED  
1701 ROBERT LANG DRIVE  
COUTENAY  
BC  
CANADA V9N 1A2

Delivered To:  
FOX EXPLORATION LIMITED  
1701 ROBERT LANG DRIVE  
VANCOUVER  
BC  
CANADA V9N 1A2

Order Date	Customer Reference No.	Account Code	Contract No.	Sales Order No.
31 JUL 17		FOXEXPCAD5	6868	58337

Serial No.	Item Description	Site	Mths	Price Per Tool	Disc%	Coverage Per Tool	Total Excl TAX
179044205	XRF PORTABLE TEST STAND 18V		1.1613	0.00	0.00	0.00	0.00
XRF543516	CA RAP GEOCHEM ANALYSER		1.1613	7290.00	0.00	870.00	9476.20
	From 19/06/17 To 31/07/17						



**Bank Details (CAN):**

HSBC Bank Canada  
Transit No: 10099  
Bank No: 016  
Account No: 022494-001  
Swift Code: HNSCCATT

Invoice Total Before Tax CAD 9,476.20

PST / QST CAD 663.33

GST / HST CAD 473.82

Invoice Total Incl Tax CAD 10,613.35

The supply of Goods to the Applicant by the Imdex group company listed in this document is subject to the standard terms and conditions of trade published on <http://reflexnow.com/customer-terms-and-conditions>  
PLEASE QUOTE ACCOUNT CODE WHEN PAYING DIRECT TO BANK ACCOUNT CONTACT: accounts.reflex.na@imdexlimited.com



# Thor Geo Science Rentals Ltd.

11966 95A Avenue  
Delta, BC V4C 3W2 Canada  
Bus: (604) 582-1100

INVOICE No. TR171400

**Name:** Fox Exploration Ltd.  
**Address:** 1500 – 409 Granville Street  
Vancouver, BC V6C 1T2

**Date:** 31-Jul-2017  
**Project Name:**

**Attention:**

QTY	DESCRIPTION	DISCOUNT	UNIT PRICE	TOTAL
	<b>June 19 to July 24, 2017</b>			
1	Mag VLF/month		\$3,200.00	\$3,200.00
1	Mag VLF/week		\$800.00	\$800.00
1	Mag Base Station/month		\$2,500.00	\$2,500.00
1	Mag Base Station/week		\$750.00	\$750.00
1	Preparation Day		\$75.00	\$75.00
4	Data Review		\$125.00	\$500.00

**Payable in Canadian Funds**

Royal Bank of Canada  
9490 - 120th Street, Surrey BC  
Transit: 03600 Institution No: 003  
Account: 100 4506  
Swift: ROYCCAT2

Tax #	<b>SubTotal</b>	<b>\$7,825.00</b>
	Advance	\$1,500.00
875483414 RT	GST	\$391.25
	<b>TOTAL</b>	<b>\$6,716.25</b>

**PAYMENT ISSUES**

Due Upon Receipt

Please make cheque payable to Thor Geo Science Rentals Ltd

Office Use Only.

Interest calculated at 1.5 % per month on overdue accounts

Contact: Joyce Visser, [gjv@sjgeophysics.com](mailto:gjv@sjgeophysics.com) - Website: [www.sjgeophysics.com](http://www.sjgeophysics.com)

Total North Communications Ltd.  
 127 Copper Road  
 Whitehorse YT Y1A 2Z7  
 (867)668-5175  
 GST Registration No.: 105328132

TOTAL NORTH

**INVOICE TO**

Ryan Coe  
 Fox Exploration Ltd.

30-06-2017	Services:Total Explorer Activation and Configuration 00:A0:BC:49:DA:FC 00:A0:BC:69:AE:E1	2	200.00	400.00
30-06-2017	Total Explorer Cables/Install Accessories	2	225.00	450.00
30-06-2017	Total Explorer Training	1	150.00	150.00
			SUBTOTAL	1,000.00
			GST @ 5%	50.00
			TOTAL	1,050.00

Inv. 9744 \$1,050.00  
 Inv. 9905 414.75  
 Inv. 9744 603.75  
 Inv. 9745 564.38  
 Inv. 10245 451.50  
\$3,084.38

Thank you for choosing Total North Communications  
[totalnorth@totalnorth.ca](mailto:totalnorth@totalnorth.ca) / [www.totalnorth.ca](http://www.totalnorth.ca)

OGI - 50% : \$1542.19  
 RC - 50% : \$1542.19



TOTAL NORTH  
COMMUNICATIONS  
127 COPPER RD  
WHITEHORSE YT

TOTAL NORTH

CARD .....7054  
CARD TYPE VISA  
DATE 2017/07/10  
TIME 9994 11:51:41  
RECEIPT NUMBER  
C82017169-001-155-002-0

INVOICE 9905

DATE 10-07-2017 TERMS Net 30

DUE DATE 09-08-2017

PURCHASE  
TOTAL

\$414.75

SERIAL NUMBER  
325001732664

PHONE NUMBER  
8816-325-31828

DATE	DESCRIPTION	QTY	RATE	AMOUNT
10-07-2017	Iridium 200 CND Northern Lights Prepaid Airtime 6 Month Expiry From Date Of Purchase (with a cap of 1200 minutes)	1	345.00	345.00
10-07-2017	Iridium Prepaid Card Activation Fee	1	50.00	50.00

new expire Jan 9/18

SUBTOTAL 395.00  
GST @ 5% 19.75  
TOTAL 414.75

TOTAL DUE **CAD 414.75**

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totalnorth@totalnorth.ca / www.totalnorth.ca

TOTAL NORTH  
COMMUNICATIONS  
127 COPPER RD  
WHITEHORSE YT

TOTAL NORTH

CARD .....7054  
CARD TYPE VISA  
DATE 2017/07/07  
TIME 9985 12:08.41  
RECEIPT NUMBER  
C82017169-001-154-003-0

INVOICE 9744

DATE 30-06-2017 TERMS Net 30

DUE DATE 30-07-2017

PURCHASE  
TOTAL

\$1,168.13

DATE	DESCRIPTION	QTY	RATE	AMOUNT
30-06-2017	Services:Total Explorer Activation and Configuration 00:A0:BC:49:DA:FC 00:A0:BC:69:AE:E1- not working	1	200.00	200.00
30-06-2017	Total Explorer Cables/Install Accessories	1	225.00	225.00
30-06-2017	Total Explorer Training	1	150.00	150.00
SUBTOTAL				575.00
GST @ 5%				28.75
TOTAL				603.75
TOTAL DUE				CAD 603.75

PAID July 7

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totalnorth@totalnorth.ca / www.totalnorth.ca

communications Ltd.

1A 2Z7

Account No.: 105328132

TOTAL NORTH

TO  
Exploration Ltd.

INVOICE 9745

DATE 30-06-2017 TERMS 30/30

DUE DATE 30-07-2017

DATE	DESCRIPTION	QTY	RATE	AMOUNT
30-06-2017	Services:Total Explorer 3 Office System: 00:A0:BC:49:DA:FC from June 24- July 30	1.25	430.00	537.50
30-06-2017	Services:Total Explorer 1 Dorm System: 00:A0:BC:69:AE:E1 not working returned July 7	0	290.00	0.00
SUBTOTAL				537.50
GST @ 5%				26.88
TOTAL				564.38
TOTAL DUE				564.38

PAID July 7

Thank you for choosing Total North Communications  
totalnorth@totalnorth.ca / www.totalnorth.ca

Total North Communications Ltd.  
 127 Copper Road  
 Whitehorse YT Y1A 2Z7  
 (867)668-5175  
 GST Registration No.: 105328132



**INVOICE TO**  
 Ryan Coe  
 Fox Exploration Ltd.

DATE 01-08-2017 TERMS Net 30

DUE DATE 31-08-2017

**PO NUMBER**  
 Aug

**SERIAL NUMBER**  
 00:A0:BC:49:DA:FC

DATE	DESCRIPTION	QTY		
01-08-2017	Services:Total Explorer 3 Office System: 00:A0:BC:49:DA:FC	1	430.00	430.00

SUBTOTAL 430.00  
 GST @ 5% 21.50  
 TOTAL 451.50

TOTAL 451.50

Thank you for choosing Total North Communications  
[totalnorth@totalnorth.ca](mailto:totalnorth@totalnorth.ca) / [www.totalnorth.ca](http://www.totalnorth.ca)