

**GEOLOGICAL AND GEOCHEMICAL REPORT  
ON THE RED RIDGE PROPERTY**

**QUARTZ CLAIMS:**

<b>CLAIM NAME</b>	<b>TENURE NUMBER</b>
<b>AZURITE 1</b>	<b>YC29966</b>
<b>AZURITE 2</b>	<b>YC29986</b>
<b>AZURITE 3 – 4</b>	<b>YC40121 – YC40122</b>
<b>AZURITE 5</b>	<b>YC40004</b>
<b>AZURITE 6 – 7</b>	<b>YC40005 – YC40006</b>
<b>BB 1 – 2</b>	<b>YC29967 – YC29968</b>
<b>BB 3 – 4</b>	<b>YC40296 – YC40297</b>
<b>LA 1 – 8</b>	<b>YC39261 – YC39268</b>
<b>LA 9 – 11</b>	<b>YC40007 – YC40009</b>
<b>UNION 1</b>	<b>YC47001</b>
<b>WG 1 – 2</b>	<b>YC40123 – YC40124</b>
<b>WS 1 – 4</b>	<b>YC40116 – YC40119</b>
<b>WS 5</b>	<b>YC40125</b>

**WHITEHORSE MINING DIVISION, YUKON  
MAPSHEETS: 105D/06  
UTM: 495000E, 6691500N, NAD83, ZONE 8**

**for**

**APEX RESOURCES LTD.  
2000 – 1066 WEST HASTINGS STREET  
VANCOUVER, BC  
V6E 3X2**

**by**

**LINDA DANDY, P.Geo.  
Consulting Geologist**

**DATE OF WORK: September 16, 2016**

**DATE OF REPORT: February 3, 2017**

## SUMMARY

The Red Ridge Property (“Property”), optioned by Apex Resources Ltd. (“Apex”), comprises a series of silver-gold-copper-molybdenum targets located 40 kilometres south of Whitehorse in southwestern, Yukon. The claims cover part of a ridge, known as Red Ridge, separating the Thompson and Morrison Creeks from the Watson River.

The Property is located along the eastern flank of the Coast Plutonic Complex where the package is intruded by Jurassic-Triassic volcanic and sedimentary rocks and unconformably overlain by Tertiary Skukum Group volcanics.

A large prominent gossan is readily visible along Red Ridge. Precious and base metal mineralization is associated with quartz veins and shear structures marginal to the gossan, likely related to hypabyssal intrusives of the Skukum Group.

Considerable prospecting was carried out in the Wheaton and Watson River areas starting in the early 1900s, culminating in the discovery of numerous gold and silver occurrences. In 1981, Agip Canada discovered a gold ore body at Mount Skukum, approx. 23 kilometres from Red Ridge, and started a resurgence of exploration in the area. Currently, New Pacific Metals Corp. has an indicated resource of 1,416,500 tonnes grading 8.59 g/t gold equivalent in the Skukum Creek and Goddell Gully deposits (Simpson, 2013).

On Red Ridge, porphyry copper-molybdenum exploration was done by Inco Limited in the early 1970s. Modern precious metal exploration on Red Ridge began in 1985 when Havilah Gold Mines and New Era Developments discovered several gold-silver veins. Trenching identified veins up to 5 metres wide in bleached and sheared intrusive wall rock, with quartz vein assays up to 35 g/t (1.12 oz/T) gold (Keyser, 1986).

In 2004 and 2005, prospector Larry Bratvold staked the property to cover the known mineral occurrences. Since staking, several small exploration and prospecting programs were carried out over the several mineralized zones by Larry Bratvold and/or partner Brian Scott.

The Property was optioned to Prize Mining Corp. in fall 2007, and initial sampling was very encouraging. Prize announced their intention to follow up with extensive geochemistry and geophysics; however global market conditions caused Prize to return the property to the vendors. In 2011, the Property was again optioned, this time to Monster Mining Corp. who dropped their option one year later, with no significant work progress.

In 2016, Apex completed a one day exploration program consisting of locating and sampling several historic trenches. The rock samples were collected from these trenches, which were largely sloughed in with bedrock exposure generally being poor. Where possible chip samples were taken, but where not possible, grab samples of mineralization were collected. Although the area for sampling was far from ideal, the results obtained confirm the historically indicated presence of significant grades of gold in the Saddle Zone and silver-lead-zinc-copper in the East and Don Zones

For 2017, a two phase exploration program is recommended. Phase I will consist largely of a broad scope soil geochemistry survey. A total of 2500 soil samples are to be collected at 25 metre intervals on initial lines spaced 200 metres apart. In anomalous areas, line spacing should be decreased to 50 or 100 metres. Along with the soil survey, mapping will be completed to tie in the various historic workings with lithologies and structures. The identification and trend of structures will be assisted by map products generated by a LiDAR survey early in the season. The estimated cost for Phase I is \$246,840.

If results, time and budget warrant, a Phase II exploration program is recommended and will include a ground magnetics and EM survey to trace controlling structures in areas with limited outcrop exposure. Also, in Phase II, excavator trenching will re-open the historic trenches and extend them along mineralized trends as identified from the Phase I geological and geochemical work.

The Phase I exploration program is budgeted at \$246,840. Phase II is partially dependent upon the results of the Phase I program and is budgeted at \$244,365.

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## **1) INTRODUCTION**

The Red Ridge Property, comprising several silver-gold +/-copper-lead-zinc-molybdenum targets, is located 40 kilometres south of Whitehorse, in southwestern Yukon. Apex Resources Ltd. (“Apex”) has a right to option 100% of the Property.

Apex acquired this property after examination of historic assessment reports documenting previous exploration programs. The property contains strong geochemical anomalies, and high grade gold and silver values from historic trenches.

In 2016, Apex conducted a small rock grab and chip sampling program on the property. The rock sample results confirm the presence of high gold, silver and base metal values.

## **2) LOCATION AND ACCESS**

The Red Ridge Property is located in southwestern Yukon, approximately 40 kilometres south of Whitehorse (Figure 1). The claims cover part of the ridge known as Red Ridge, separating the Thompson and Morrison Creeks from the Watson River.

Access to the Red Ridge Property is via Annie Lake Road (off South Klondike Highway). Travel west on Annie Lake road for 19 kilometres then turn northwest along small mining access roads for an additional 8 kilometres to the property boundary. An old road network leads to the historic trench and drill sites. Although, after leaving Annie Lake road, much of the road is rutted and somewhat overgrown, ATV access can be gained along the road in its current condition.

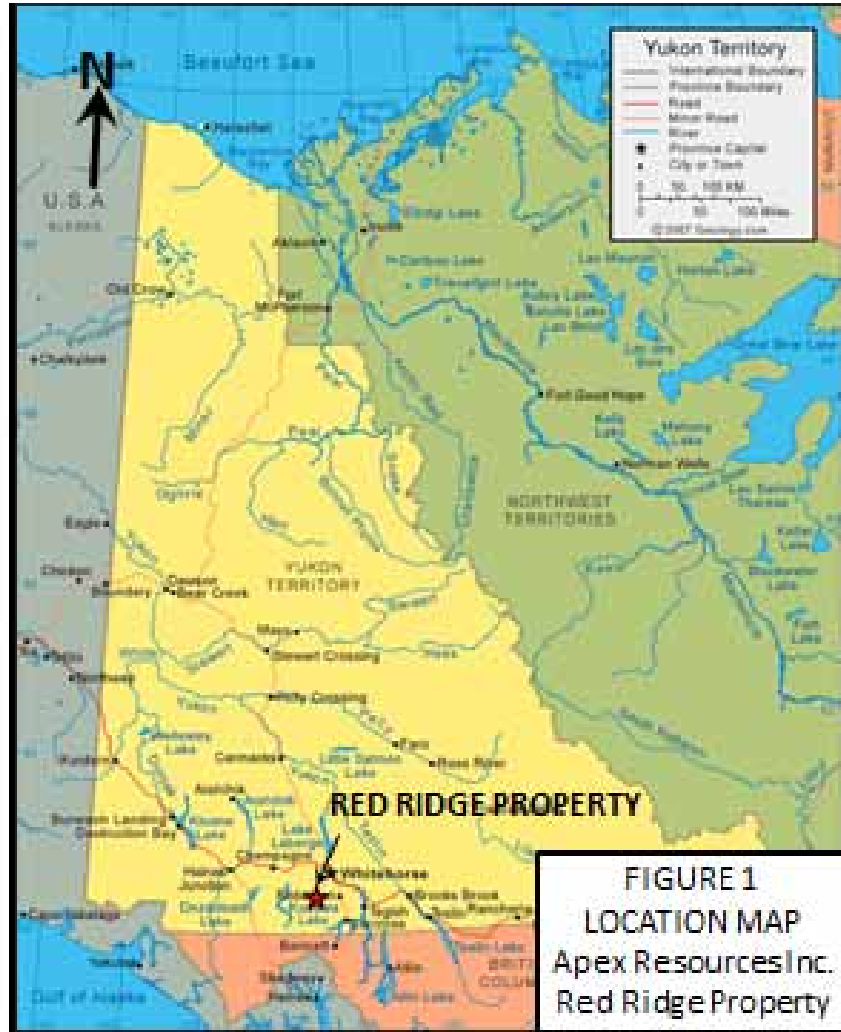
## **3) PHYSIOGRAPHY**

The Red Ridge Property, situated on the eastern flank of the Coast Mountains, is located in an area of moderate to steep relief with limited outcrop exposure. Elevations on the property range from 1050 to 1650 metres above sea level. Glaciation has greatly modified the area, and glacial features such as U-shaped valleys are common.

The region lies within typical northern boreal spruce, pine and aspen forest. Alpine shrubs, willows and grass occur above 1150 metres elevation.

## **4) CLAIM INFORMATION**

The Red Ridge Property is located within the Whitehorse Mining Division and consists of 30 quartz claims covering 530 hectares (Figure 2). Claim information is listed in Table I.





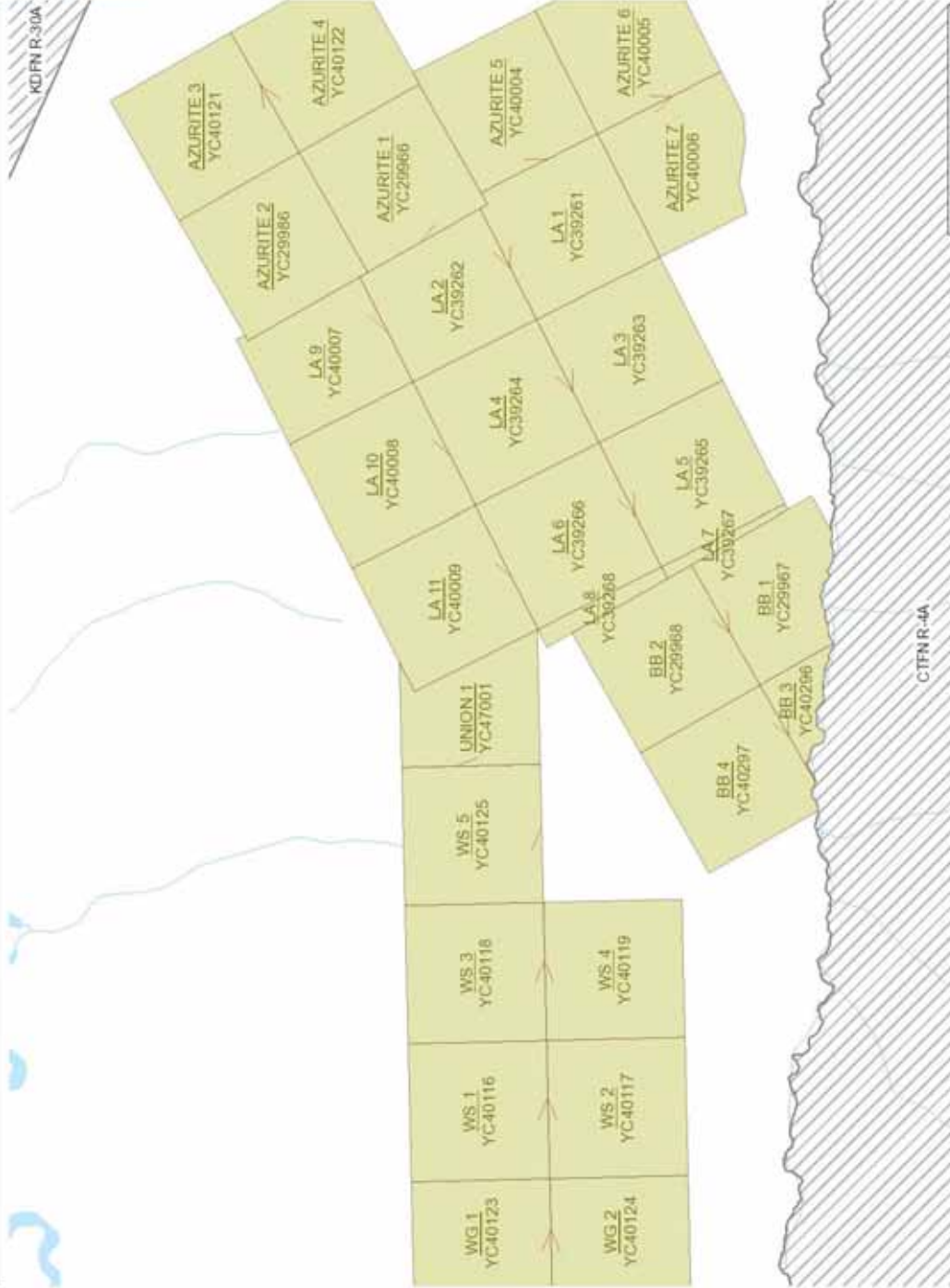
# APEX RESOURCES INC. RED RIDGE PROPERTY



**Legend**

- Quartz Claims (50K)**
  - Active and Pending
  - Expired
- Quartz Leases (50K)**
- Adjoin Quartz**
- Quartz Mining Land Use Permi**
  - Class 3
  - Class 4
- Quartz Mining License**
- Quartz Staking Direction**
- Settlement Lands (Surveyed)**
  - A. Surface and Subsurface Rights
  - B. Surface Rights
  - FS: Fee Simple
  - 4-1-1 Retained Reserve
- Settlement Lands (Unsurveyed)**
  - A. Surface and Subsurface Rights
  - B. Surface Rights
  - FS Fee Simple
- Interim Protected Lands (Unsu**

**Notes**  
FIGURE 2  
CLAIM MAP



This map is a user-generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Date Printed: 12-Dec-2016

1.0  
0.51  
0  
1.0 Kilometers

Yukon Albers  
Produced from: Yukon Mining Viewer



**TABLE I  
CLAIM INFORMATION**

<b>TENURE NUMBER</b>	<b>CLAIM NAME</b>	<b>ANNIVERSARY DATE</b>
YC29966	AZURITE 1	January 2, 2019
YC29986	AZURITE 2	January 13, 2019
YC40121 – YC40122	AZURITE 3 – 4	January 4, 2019
YC40004	AZURITE 5	July 6, 2018
YC40005 – YC40006	AZURITE 6 – 7	December 15, 2018
YC29967 – YC29968	BB 1 – 2	January 2, 2019
YC40296 – YC40297	BB 3 – 4	March 20, 2019
YC39261 – YC39268	LA 1 – 8	May 10, 2019
YC40007 – YC40009	LA 9 – 11	December 15, 2018
YC47001	UNION 1	December 14, 2018
YC40123 – YC40124	WG 1 – 2	January 27, 2019
YC40116 – YC40119	WS 1 – 4	January 27, 2019
YC40125	WS 5	January 27, 2019

All claims are owned by Brian Scott (50%) and the estate of Larry Bratvold (50%) and are under option to Apex Resources Ltd. Apex has the right to option 100% of the property by making payments of \$150,000 cash and 500,000 shares over 4 years, plus completing \$430,000 of exploration expenditures. The property vendors will retain a 2% net smelter return of which 1% can be purchased for \$1,000,000.

## **5) HISTORY**

Considerable prospecting was carried out in the Wheaton and Watson River areas starting in the early 1900s, culminating in the discovery of numerous gold and silver deposits and occurrences. The Legal Tender (gold/silver), Gold Hill (gold), and the Idaho Hill (gold/silver/lead/zinc) veins were discovered within 5 kilometres of the Red Ridge Property during this period. Intermittent exploration and prospecting has been ongoing since that time.

In 1981, Agip Canada Ltd. discovered a gold ore body at Mt. Skukum, some 23 kilometres from Red Ridge, and started a resurgence of exploration activity in the area. This era of exploration resulted in Omni Resources Ltd. discovering additional gold-silver deposits at Skukum Creek and Goddell Gully which have since been acquired by Tagish Lake Gold Corp. and now owned by New Pacific Metals Corp. New Pacific announced that they have currently defined resources, using a cutoff grade of 3.0 g/t gold (Simpson, R.G.; 2013), of:

Mt. Skukum (Lake Zone)	Inferred	90,500 tonnes	9.51 g/t Au equivalent
Skukum Creek	Indicated	1,086,800 tonnes	8.73 g/t Au equivalent
Skukum Creek	Inferred	586,000 tonnes	6.83 g/t Au equivalent
Goddell Gully	Indicated	329,700 tonnes	8.13 g/t Au equivalent
Goddell Gully	Inferred	483,900 tonnes	7.13 g/t Au equivalent

Exploration for porphyry copper/molybdenum on Red Ridge was done by Inco Limited in the early 1970s. No details of this work are available, since no assessment reports were filed.

Precious metal exploration was initiated on Red Ridge in 1985 when Havilah Gold Mines and New Era Developments discovered several gold/silver veins. Exploration work consisted of prospecting, soil and rock geochemistry along with a trenching and small diamond drilling program. Between 1985 and 1988, three mineralized zones were identified: East Zone, Saddle Zone and O Zone. The East Zone has clay-quartz-carbonate veins containing galena-pyrite-tetrahedrite which have returned values up to 25312.5 g/t (810 opt) silver with negligible gold. The Saddle Zone, a 5 metre wide zone of manganese stained, clay altered and silicified fractured granodiorite hosts veins and stringers of quartz which returned values to 35 g/t (1.12 opt) gold and 343.75 g/t (11 opt) silver from grab samples. The O Zone trench uncovered a 2 metre wide shear zone in andesitic volcanics hosting pods and seams of galena within quartz/carbonate pods. Very little alteration was noted in the O Zone other than minor chlorite and limonite. Two samples taken from this zone returned values 4.0 g/t (0.128 opt) gold and 54.1 g/t (1.73 opt) silver over 1.00 metre, and 25.4 g/t (0.814 opt) gold and 161.9 g/t (5.18 opt) silver over 0.05 metres (Henneberry, 1988).

In 1988 and 1989, 23 short diamond drill holes were put in on the Red Ridge property. Best results were 3.1 g/t gold and 309.4 g/t silver over 0.76 metres in the Miller Zone and 3.6 g/t gold and 68.4 g/t silver over 0.73 metres in the Saddle Zone (Henneberry, 1989). Additional core sampling carried out in 1999 (Glynn, 2000) expanded the Saddle Zone mineralization to 2.87 g/t gold over 2.3 metres.

Prospector Larry Bratvold staked the property in 2004 and 2005 to cover the known mineral occurrences and to investigate the bulk tonnage potential of the calcareous sediments and felsic intrusives. Prospecting was carried out by Scott and Bratvold in 2006, excavator trenching in 2007 and grid establishment in 2009.

The Property was optioned to Prize Mining Corp. in fall 2007, and initial sampling was very encouraging. Prize announced their intention to follow up with extensive geochemistry and geophysics; however global market conditions caused Prize to return the property to the vendors.

In 2011, the Property was again optioned, this time to Monster Mining Corp. who dropped their option one year later, with no significant work progress.

## **6) WORK DONE BY APEX RESOURCES LTD. IN 2016**

In 2016, work by Apex on the Red Ridge Property consisted of prospecting at the East, Don, Saddle and Miller Zones and collection of 13 rock grab and chip samples.

Work was completed on September 16, 2016 by a two person crew accessing the property via ATV.

## **7) GEOLOGY**

Geology and mineralization of the Red Ridge Property, as described by Doherty and Hart (1988), is summarized below.

### **Regional Geology**

The Red Ridge Property lies on the eastern flank of the Coast Plutonic Belt. Regionally, the District is underlain by a Jurassic-Triassic volcano-sedimentary package intruded by the Cretaceous Coast Plutonic Complex. These units are unconformably overlain by the Tertiary Skukum Group volcanics. Precious metal mineralization is hosted in quartz veins and shear zones intimately associated with hypabyssal intrusives associated with the Skukum Group volcanics.

The basal unit of the Jurassic-Triassic assemblage includes andesitic flows and breccias outcropping throughout the District. These flows are overlain by late-Triassic Lewes River Group andesitic flows and tuffs and lesser siliciclastic sedimentary rocks and limestones. Some metamorphism has been noted in the sedimentary rocks.

Disconformably overlying the Lewes River Group are the Jurassic Laberge Group and Tantalus Formation. The Laberge Group consists of siliciclastic sedimentary rocks with minor andesite. The Tantalus Formation is comprised of finer siliciclastic sedimentary rocks including chert pebble conglomerate and coal.

The Jurassic-Triassic assemblage has been intruded by quartz monzonites, granites, granodiorites and diorites of the Cretaceous Coast Plutonic Complex. The Jurassic-Triassic package and Coast Plutonic Complex outcrop throughout the district.

The Skukum Group Volcanics unconformably overlie the older units. The Group is comprised of felsic pyroclastics, tuffs and flows, andesitic flows and breccias, dacite flows, basalt and volcanoclastic sediments. Associated low level intrusives complete the Skukum lithologies.

The youngest units are the Quaternary Miles Canyon Basalt and alluvium deposits.

Mineralization has been documented in most of the rock units, but appears to be spatially related to the Skukum Group low level intrusives. Precious metal mineralization is confined to steep to shallow dipping shear zones and quartz/carbonate veins.

### **Property Geology**

Mafic to intermediate volcanic rocks of probably lower Mesozoic age are exposed throughout the Red Ridge Property. They are typically black, fine grained basaltic andesite flows. Minor volcanic breccias and intervolcanic sediments are also present. Alteration includes silicification and propylitization. These units are in fault contact with other Mesozoic sediments and volcanics and are intruded by granodiorite.

Fine grained sedimentary rocks of the Jurassic Laberge Group are exposed at the east-central part of the property. Argillite, limestone, chert and quartzite comprise this unit. Silicification and skarnification are present, particularly near intrusive contacts.

Light coloured, sometimes rusty weathering, rhyolite and andesite have intruded all other rock units on the property as dykes or sills. These are probably a hypabyssal equivalent to the Eocene Skukum Group. Remnant porphyritic to subporphyritic and flow banded textures are present, but they are commonly aphanitic. Pyrite, usually weathered, is a common constituent. These late stage magmatic dykes and sills are emplaced along zones of structural weakness, including faults and sedimentary bedding planes.

A large prominent gossan occurs along the central part of Red Ridge. It is attributed to hornfelsed metasediments where primary pyrite has been reduced to pyrrhotite during contact metamorphism with subsequent surface oxidation. The gossans is not directly associated with exposed intrusive dykes and the overall size of the metamorphic aureole on the Red Ridge property could be suggestive of a large buried intrusion as a possible source of alteration and mineralization.

Cretaceous medium grained granodiorite intrudes the lower Mesozoic strata in several locations on the Red Ridge Property. The intrusion is the prominent rock type on the east half of the property. Porphyry copper style mineralization occurs within the granodiorite on this part of the property. Although the granodiorite in this zone is texturally similar to the granodiorite on other parts of the property, it may represent a younger phase. This intrusive body underlies a large significant gold/silver geochemical anomaly.

#### **Mineralization (Henneberry, 1988)**

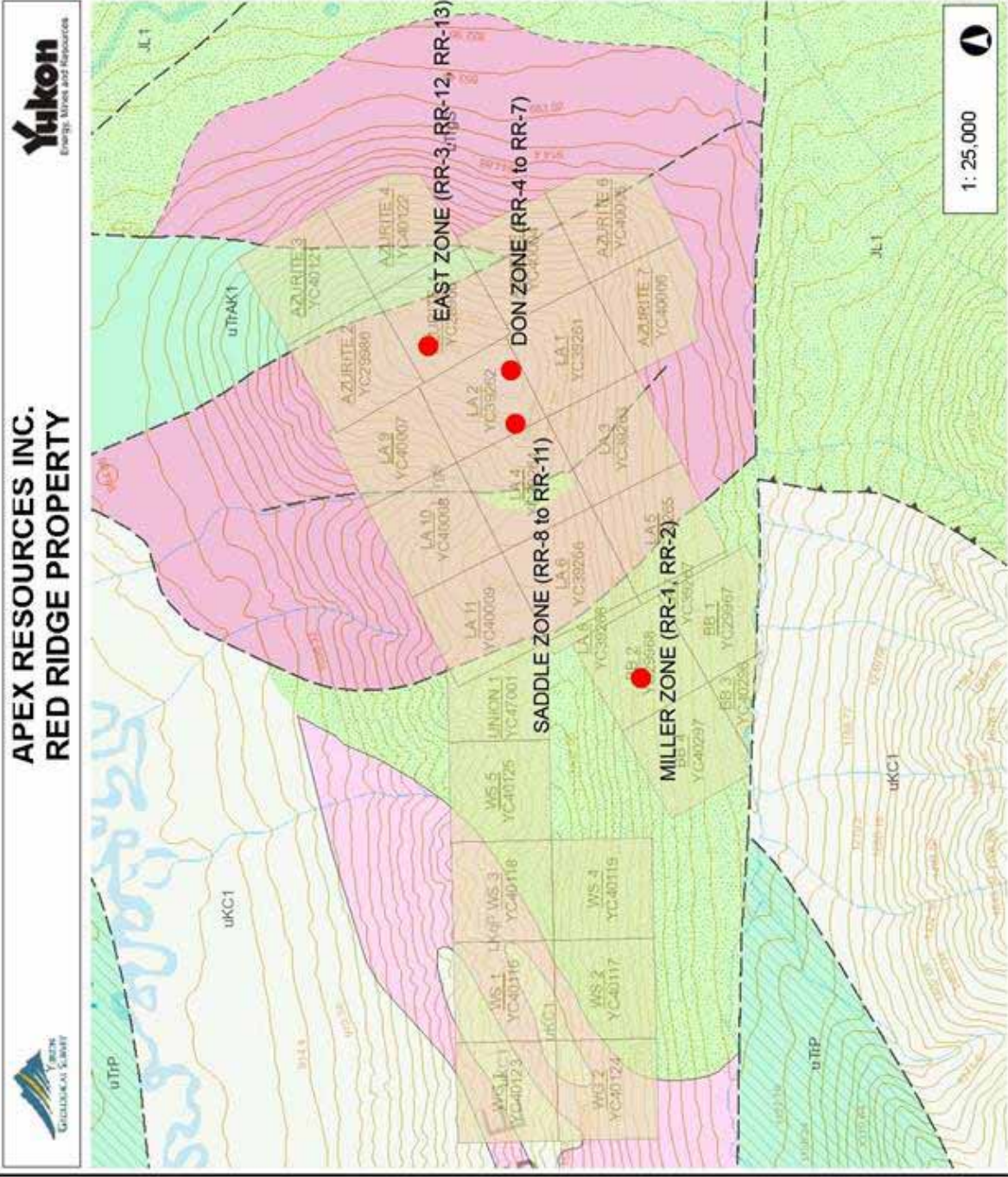
Mineralization is spatially associated with intruding rhyolitic to rhyodacitic (Saddle and Don Zones) and andesitic dykes (East, Vance and Miller Zones). The dykes are massive to well brecciated, showing varying degrees of argillic alteration and silicification. Manganese and limonite are observed in most instances (Don, East, Saddle and Miller Zones).

Several dominant strike directions in the mineralized shear and vein structures have been noted: 135/shallow west for the East and Vance Zones; 350/50W for the Don Zone; 012/60W for the Saddle Shear Zone; and 050/70NW for the Miller Zone. There is a strong possibility the East, Vance and Don Zones are splays from the Saddle Zone, while the Miller and Saddle Zones may join to the north of the existing grid.

Mineralization within the Zones consists of tetrahedrite (weathered to azurite and malachite) and minor pyrite in the East Zone and pyrite and malachite (weathered chalcopyrite?) in the Vance Zone. No visible sulphide mineralization has been noted in the Don Zone, though 2% to 5% pyrite was noted in thin section. Saddle Zone mineralization consists of galena and pyrite, while Miller Zone is mineralized with galena, sphalerite, pyrite and minor tetrahedrite (weathered malachite and azurite).

#### **East Zone**

The east zone consists of three subparallel altered zones. Hand trenching on one zone showed a width of mineralization exceeding 15 metres. Within this zone are narrower quartz/barite veins containing massive tetrahedrite, azurite, and malachite which assayed 410 g/t silver and 1.15 g/t gold over a 0.7 metre width. Mechanical trenching has exposed the vein for a length of 20 metres. Grab samples containing galena, found in hand trenched rubble, assayed 5626 g/t silver and 0.53 g/t gold (Keyser, 1987).



**APEX RESOURCES INC.  
RED RIDGE PROPERTY**



1: 25,000



1.3 Kilometers



13  
Yukon Albers  
Produced from: Yukon Geological Survey, MapMaker Online  
Date Printed: 12-Dec-2016

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Date Printed: 12-Dec-2016

**Notes**

FIGURE 3  
GEOLOGY AND SAMPLE  
LOCATION MAP

### Don Zone

The Don Zone consists of a one metre wide zone of altered granodiorite containing pods and seams of manganese stained quartz. Sampling returned an average of 10.1 g/t gold and 1519 g/t silver across 0.5 metres, over a strike length of 39 metres (YGS Minfile). A second trench located 150 metres to the northwest also exposes the Don Zone. No sulphide minerals are present in the Don Zone.

### Saddle Zone

The Saddle Zone was discovered by prospecting and consists of several small outcrops and boulders of silicified granodiorite and quartz-galena found over a 20 x 50 metre area. Initial grab samples from this zone contained 34.8 g/t gold and 342.1 g/t silver (Henneberry, 1988). Quartz veins contained trace to several percent galena and chalcopyrite. Precious metal values are not limited to samples with sulphides indicating the presence of free gold or electrum.

Further trenching and exploratory drilling show that the Saddle Zone consists of limonite-manganese-clay gouge within a 30 metre wide zone of alteration and shearing. A quartz stockwork zone up to 1.5 metres in width surrounds the sulphide bearing quartz veins. The quartz veins returned an average of 6.1 g/t gold and 423 g/t silver over 0.5 metres for a length of 42 metres. Historic drilling of this zone returned assay values up to 28.5 g/t gold and 31.51 g/t silver over 0.4 metres (YGS Minfile). Wall rock was not sampled.

More recently, Sidehill Ventures Ltd. of Whitehorse reviewed the drill logs and sent several previously unsampled core intervals for assay. A 1.5 metre section of fractured, limonitic, granodiorite adjacent to a previous assayed section of core returned 2.34 g/t gold (YGS Minfile) increasing the weighted average to 2.87 g/t gold over 2.3 metres. It was determined that the sample interval selections were biased toward quartz veins and veinlets ignoring the potential of the wider zones of silicified granodiorite.

### Miller Zone

On the surface, the Miller Zone consists of a 2 to 3 metre wide zone of shearing and alteration that contains galena/quartz pods throughout. In addition, 10 to 30 centimetre wide quartz veins containing galena and pyrite occur in both the footwall and hanging wall of the zone. Grab samples of quartz-galena assayed up to 883.24 g/t silver.

The Miller Zone was intersected by 8 diamond drill holes. The northern shallow holes intersected a 2 to 5 metre wide zone of brecciation and argillic alteration with an associated 30 centimetre wide galena/quartz vein. The best intersection was 3.5 g/t gold and 341 g/t silver over 0.76 metres (YGS Minfile).

An interesting parallel structure was intersected in the hanging wall of the Miller Zone. Assay values to 0.71 g/t gold and 9.64 g/t silver over 2.13 metres were obtained from this stockwork structure. A small lens of weak argillic alteration returned 3.12 g/t gold and 98.8 g/t silver over 0.15 metres.

### Copper Porphyry Zone

Initial exploration in 1974 by Inco Ltd. was directed toward a small (250 x 300 metres) porphyry copper system located on the southeast portion of the property. Mineralization consists of pyrite, chalcopyrite, bornite, and molybdenite with associated malachite in quartz veinlets and disseminations in hornblende diorite. Secondary potassium feldspar is associated with several of the veins and fractures and the

granodiorite is sericitized and argillically altered throughout the area. The Inco exploration program was limited to a small area of outcrop. Additional porphyry style mineralization, identified in drill core and recent road cuts, indicates the porphyry system is significantly larger and more developed than this previous exploration suggested.

#### Copper-Molybdenum Veins

Prospecting in 2004-2005 resulted in the discovery of massive chalcopyrite, azurite and malachite in a brecciated quartz vein 15 centimetres wide. Samples of vein material assayed up to 10.4% copper in grab samples (Bratvold, 2006).

A 1.4 metre wide outcrop of quartz exhibits chalcopyrite, sphalerite, massive and disseminated molybdenite. Chip samples across the vein returned assay values up to 1.6% molybdenum (Bratvold, 2006). The vein outcrops on the wall of a 10 metre wide gully, which appears to be the surface expression of a shear zone. Trenching across this zone is necessary to determine the true width of this quartz vein/shear zone.

### **8) GEOCHEMISTRY**

#### Rock Sampling Techniques

13 rock grab and chip samples were collected during the 2016 exploration program. Grab samples consist of 2 or 3 fist size pieces of rock representing a certain rock or mineralization type. Chip samples are continuous rock chips collected at right angles across veins, shears or other mineralized trends.

In the field, all sample sites were marked with fluorescent flagging labelled with the sample number. Samples were placed in poly bags labelled with the corresponding sample number. Samples were driven to Bureau Veritas Ltd.'s preparation lab in Whitehorse for sample preparation then shipped on by the laboratory to Bureau Veritas' Vancouver facility for analyses. In the laboratory, samples were crushed to minus 200 mesh and fire assayed for gold and silver, plus geochemically analyzed for 36 additional elements by the ICP-MS method.

#### Rock Sample Results

Rock sample Certificates of Analysis can be found in Appendix II. Table II summarizes results from the rock grab sampling program. Figure 3 shows the location of the Miller, East, Don and Saddle Zones where the samples were collected.

**TABLE II  
ROCK SAMPLE RESULTS**

<b>SAMPLE #</b>	<b>TYPE</b>	<b>Au (g/t)</b>	<b>Ag (g/t)</b>	<b>Cu (ppm)</b>	<b>Pb (ppm)</b>	<b>Zn (ppm)</b>
RR-1	Grab	<0.9	<20	20	49	39
RR-2	Grab	<0.9	<20	112	<b>2283</b>	<b>3524</b>
RR-3	Grab	0.9	<b>16271</b>	<b>52360</b>	959	<b>1893</b>
RR-4	Grab	1.3	<b>849</b>	<b>1358</b>	<b>32800</b>	<b>3333</b>
RR-5	Grab	<0.9	106	433	921	<b>1835</b>
RR-6	1 m chip	1.0	190	364	<b>4576</b>	<b>3734</b>

SAMPLE #	TYPE	Au (g/t)	Ag (g/t)	Cu (ppm)	Pb (ppm)	Zn (ppm)
RR-7	1 m chip	<0.9	98	637	<b>5167</b>	<b>3754</b>
RR-8	15 cm chip	2.0	<20	13	228	211
RR-9	1.5 m chip	1.7	<20	83	465	783
RR-10	1.5 m chip	<0.9	<20	13	132	559
RR-11	20 cm chip	<b>23.4</b>	52	344	<b>3531</b>	<b>4860</b>
RR-12	Grab	<0.9	94	252	<b>1043</b>	<b>1433</b>
RR-13	Grab	<0.9	<20	<b>6758</b>	39	145

Grab samples RR-1 and RR-2 were collected from the **Miller Zone**. The historic trenches are now sloughed in and no mineralized sections of outcrop were found in place to sample. RR-1 was comprised of brecciated silicified sediments with fine grained sulphides in the matrix. RR-2 contained 2-6 cm banded quartz veinlets with iron-carbonate margins and returned elevated lead and zinc values.



Brian Scott at Miller Zone

In the **East Zone**, grab sample RR-3 was of black altered sediment with narrow quartz-tetrahedrite-freibergite-malachite veinlets and assayed 16271 g/t silver, along with 5.2% copper and elevated lead-zinc values. 50 metres south of RR-3, sample RR-12 was a grab sample from an old cat trench consisting of assorted quartz-rich rock fragments which returned 94 g/t silver and elevated lead-zinc values. Approximately 100 metres north of RR-3, sample RR-13 was collected from another series of trenches which may relate to the Vance or O Zones. This sample is a grab of narrow fracture filling quartz-tetrahedrite-malachite-azurite vein material within variably altered granodiorite, and returned 0.68% copper.





East Zone - Sample RR-3



East Zone – Historic Bulldozer Trench – Sample RR-12 (quartz fragments)



East Zone – Sample RR-13 – fracture filling quartz-tetrahedrite-malachite-azurite

Rock samples RR-4 to RR-7 were collected from manganese and iron-oxide stained shear structures within granodiorite in the **Don Zone**. RR-4 was a grab sample from a manganese stained shear in silicified-argillic-propylitic altered granodiorite with minor quartz (siliceous bands). Although no sulphides minerals were visible in the Don Zone, this sample assayed 1.3 g/t gold, 849 g/t silver, 0.14% copper, 3.3% lead and 0.33% zinc. RR-5 was a grab sample of quartz veinlets within the altered intrusive and returned 106 g/t silver with elevated base metal values. Samples RR-6 and RR-7 were both 1 metre chip samples from the manganese and iron-oxide stained sheared granodiorite. Both samples returned low but elevated gold and copper values, silver values of 190 g/t and 98 g/t, respectively, lead values of 0.46% and 0.52%, respectively and both samples contained 0.37% zinc.



Don Zone – shear sample RR-4



Don Zone – Sample RR-6

In the **Saddle Zone**, samples were collected from 2 old trenches on either side of the ATV trail. The trenches are mostly sloughed but expose black manganese coated altered and sheared granodiorite with minor quartz lenses and veinlets. The altered zone appears to be 2-3 metres wide where exposed in trench, but may in fact be larger. Sample RR-8 was a 15 cm chip of a black silicified band within the 1.5 metre RR-9 chip sample. RR-9 and RR-10 were each contiguous 1.5 metre chip samples of the strong manganese stained and silicified sheared granodiorite. Assay results returned up to 2 g/t gold and

low but elevated lead and zinc values. Sample RR-11 was a 20 cm chip sample from a vuggy, rusty quartz vein poorly exposed in the trench floor and returned 23.4 g/t gold, 52 g/t silver, 0.35% lead and 0.49% zinc.



Saddle Zone – samples RR-8, RR-9 and RR-10



Saddle Zone – quartz vein from sample RR-11

The rock samples were collected from historic trenches, which were largely sloughed in with bedrock exposure generally being poor. Where possible chip samples were taken, but where not possible, grab samples of mineralization were collected. Although the area for sampling was far from ideal, the results obtained confirm the historically indicated presence of significant grades of gold in the Saddle Zone and silver-lead-zinc-copper in the East and Don Zones.

## **9) CONCLUSIONS**

The Property is located along the eastern flank of the Coast Plutonic Complex where the package is intruded by Jurassic-Triassic volcanic and sedimentary rocks and unconformably overlain by Tertiary Skukum Group volcanics. A large prominent gossan is readily visible along Red Ridge. Precious and base metal mineralization is associated with quartz veins and shear structures marginal to the gossan, likely associated with hypabyssal intrusives of the Skukum Group.

In 1981, Agip Canada discovered the Mt Skukum gold deposit, located 23 kilometres from Red Ridge, which led to increased interest in the region. Currently, New Pacific Metals Corp. has an indicated resource of 1,416,500 tonnes grading 8.59 g/t gold equivalent in the Skukum Creek and Goddell Gully deposits (Simpson, 2013).

Small exploration programs were conducted on the Red Ridge Property in the 1980s and several mineralized zones identified. High grade gold and silver values, sometimes with significant base metal associations, have been obtained from shear structures and quartz+/-sulphide veins in all zones.

The 2016 rock sampling program by Apex confirmed the presence of high grade gold, silver and base metal values in the historically identified mineralized zones. Additional exploration work is required in order to better understand the economic potential of the widespread mineralization at Red Ridge.

## **10) RECOMMENDATIONS**

For 2017, a Phase I exploration program will consist largely of a broad scope soil geochemistry survey. A total of 2500 soil samples should be collected at 25 metre intervals on initial lines spaced 200 metres apart. In anomalous areas, line spacing should be decreased to 50 or 100 metres. Along with the soil survey, mapping will be completed to tie in the various historic workings with lithologies and structures. The identification and trend of structures will be assisted by map products generated by a LiDAR survey early in the season. The estimated cost for Phase I is \$246,840.

If results, time and budget warrant, a Phase II exploration program is recommended and will include a ground magnetics and EM survey to trace controlling structures in areas with limited outcrop exposure. Also, in Phase II, excavator trenching will re-open the historic trenches and extend them along mineralized trends as identified from the Phase I geological and geochemical work.

The Phase I exploration program is budgeted at \$246,840. Phase II is partially dependent upon the results of the Phase I program and is budgeted at \$244,365.

Respectfully submitted,

***“Linda Dandy”***

Linda Dandy, P.Geo.  
February 3, 2017

## **11) REFERENCES**

**BRATVOLD, L.**, 2006; Red Ridge Project: Unpublished Report.

**DOHERTY, R.A and HART, G.J.R.**, 1988; Preliminary Geology of Fenwick Creek (105D/3) and Alligator Lake (105D/8) Map Areas: Indian and Northern Affairs Canada, Yukon Region Open File 1988-2.

**GARRAGAN, T.**, 1988; Geological and Geochemical Assessment Report on the Red Ridge Property: Yukon Mining Assessment Report #092128.

**GLYNN, M.**, 2000; Drill Core Re-Evaluation and Geochemical Analysis: Yukon Mining Assessment Report #094136.

**HENNEBERRY, R.T.**, 1988; Stage I and II Report for Assessment Credit on the Red Ridge Property: Yukon Mining Assessment Report #092577.

**HENNEBERRY, R.T.**, 1989; Stage II Final Report for Assessment Credit on the Red Ridge Property: Yukon Mining Assessment Report #092736.

**KEYSER, H.J.**, 1987; Geological and Geochemical Assessment Report on the PCG 1-12 Claims: Yukon Mining Assessment Report #091928.

**KEYSER, H.J.**, 1986; Geological and Geochemical Assessment Report on the Red Ridge Property: Yukon Mining Assessment Report #091738.

**MINING YUKON, MINING AND EXPLORATION PORTAL**, 2011; Bedrock Geology of Yukon.

**SCOTT, B.**, 2010; Report on Prospecting and Grid Establishment – Red Ridge Property: Yukon Mining Assessment Report #095172.

**SCOTT, B.**, 2008; Red Ridge Property Trenching Program Preliminary Report: Yukon Mining Assessment Report #094931.

**SCOTT, B.**, 2007; Prospecting Report on the Red Ridge Property: Yukon Mining Assessment Report #094748.

**SIMPSON, R.G.**, 2013; Amended and Restated Technical Report, Skukum Gold-Silver Project: NI43-101 Report of New Pacific Metals Corp.

**YUKON GEOLOGICAL SURVEY**; MINFILE 105D 100.

**12) COST STATEMENT – September 2016**

GEOLOGIST:	1.5 days @ \$800	\$ 1,200.00
PROSPECTOR:	1 days @ \$300	300.00
ASSAYS:	13 ROCK SAMPLES @ \$59.60	775.00
FUEL		165.00
TRUCK/ATV RENTAL		350.00
SUPPLIES AND MISCELLANEOUS:		60.00
<u>REPORT PREPARATION:</u>		<u>1,200.00</u>
<b>TOTAL COSTS:</b>		<b>\$ 4,050.00</b>

**NOTE:** APPLIED \$3535 plus double assessment credit = \$7070.00. Application dated October 19, 2016.

### **13) QUALIFICATIONS**

I, **Linda Dandy**, hereby certify that:

1. I am a Consulting Geologist having an office at 4900 Warm Bay Road, Atlin, British Columbia, V0W 1A0.
2. I am a graduate of the University of British Columbia with the degree of Bachelor of Science in Geology (1981).
3. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia (Registration No. 19236) and a Fellow of the Geological Association of Canada (Membership No. F5201).
4. I have practiced my profession in North America, China, Europe and Africa continuously since 1981, having worked as an employee and consultant for Major Mining Corporations, Junior Resource Companies and government.
5. This report is based upon a personal examination of available company and government reports pertinent to the subject property, and upon field work undertaken on the property on September 16, 2016.

February 3, 2017  
Atlin, BC

***“Linda Dandy”***  
Linda Dandy, P.Geo.  
Consulting Geologist

**APPENDIX**

**APPENDIX I – ROCK SAMPLE RESULTS – CERTIFICATES OF ANALYSES**





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PHONE (604) 253-3158

**Client:** **Apex Resources Inc.**  
2000 - 1066 West Hastings Street  
Vancouver British Columbia V6E 3X2 Canada

Submitted By: Linda Dandy  
Receiving Lab: Canada-Whitehorse  
Received: September 21, 2016  
Report Date: October 07, 2016  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

WHI16000296.2

### CLIENT JOB INFORMATION

Project: Red Ridge  
Shipment ID: #1  
P.O. Number  
Number of Samples: 13

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT Store After 90 days Invoice for Storage

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: Apex Resources Inc.  
2000 - 1066 West Hastings Street  
Vancouver British Columbia V6E 3X2  
Canada

CC: Arthur Troup

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP90-250	13	Crush (>90%), split and pulverize 250g rock to 200 mesh			WHI
FA550	13	50g Lead collection fire assay fusion - grav finish	50	Completed	VAN
AQ200	13	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed	VAN
SHP01	13	Per sample shipping charges for branch shipments			VAN
BAT01	13	Batch charge of <20 samples			VAN
AQ374-X	2	1:1:1 Aqua Regia digestion ICP-ES analysis	0.4	Completed	VAN

### ADDITIONAL COMMENTS

Version 2: AQ374-Cu Pb included.



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.



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**Client:** **Apex Resources Inc.**  
2000 - 1066 West Hastings Street  
Vancouver British Columbia V6E 3X2 Canada

**Project:** Red Ridge  
**Report Date:** October 07, 2016

**Page:** 2 of 2

**Part:** 1 of 3

# CERTIFICATE OF ANALYSIS

WHI16000296.2

Method	WGHT	FA550	FA550	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Ag	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	gm/t	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	20	0.9	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	
RR-1	Rock	2.13	<20	<0.9	31.5	20.3	48.9	39	0.8	13.8	7.6	263	4.94	90.4	15.0	2.7	24	0.3	5.0	<0.1	29
RR-2	Rock	1.88	<20	<0.9	25.1	112.4	2283.1	3524	5.2	3.3	3.4	1285	0.76	22.7	41.0	0.5	259	97.5	2.5	0.7	8
RR-3	Rock	0.61	16271	0.9	2.3	>10000	959.2	1893	>100	6.2	4.4	209	2.80	3115.0	1044.5	0.2	121	492.1	>2000	46.1	3
RR-4	Rock	0.85	849	1.3	58.7	1357.9	>10000	3333	>100	30.9	12.5	2383	4.18	452.5	1410.9	2.7	63	30.6	95.7	2.0	23
RR-5	Rock	1.10	106	<0.9	3.0	432.9	921.1	1835	>100	25.4	14.3	2745	2.13	169.6	190.3	2.7	12	16.9	26.0	1.4	28
RR-6	Rock	1.11	190	1.0	3.6	364.1	4576.0	3734	>100	24.7	6.6	1280	3.71	756.0	665.0	2.6	39	19.6	8.6	0.1	18
RR-7	Rock	1.53	98	<0.9	8.1	637.0	5166.6	3754	99.9	20.6	13.5	1495	3.24	537.8	224.2	3.6	15	29.5	13.1	0.2	12
RR-8	Rock	1.72	<20	2.0	2.0	13.4	228.2	211	3.2	3.3	1.3	3426	1.35	106.4	1695.6	0.9	33	2.3	1.0	<0.1	<2
RR-9	Rock	0.98	<20	1.7	3.5	82.9	464.8	783	7.7	3.7	1.8	3753	2.82	290.0	2145.8	3.9	62	11.5	2.4	<0.1	3
RR-10	Rock	1.82	<20	<0.9	0.8	13.2	132.0	559	1.1	2.4	1.1	3709	1.68	134.8	32.7	4.9	107	9.7	0.8	<0.1	2
RR-11	Rock	1.93	52	23.4	9.0	344.2	3531.0	4860	51.1	13.0	1.4	789	9.22	1119.2	29410.8	0.2	43	46.5	17.5	0.2	12
RR-12	Rock	1.34	94	<0.9	113.4	252.2	1042.6	1433	96.4	4.5	1.2	173	3.67	284.8	469.3	0.5	14	21.9	162.0	31.2	3
RR-13	Rock	1.56	<20	<0.9	17.8	6758.1	39.3	145	16.1	4.8	3.3	186	1.23	4.8	20.9	0.5	6	1.1	7.4	0.3	6



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**Client:** **Apex Resources Inc.**  
2000 - 1066 West Hastings Street  
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**Project:** Red Ridge  
**Report Date:** October 07, 2016

**Page:** 2 of 2

**Part:** 2 of 3

# CERTIFICATE OF ANALYSIS

WHI16000296.2

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ374
Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	
Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	
MDL	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	0.001	
RR-1	Rock	0.65	0.083	5	15	0.61	53	0.018	<20	0.75	0.050	0.23	<0.1	<0.01	2.0	0.1	3.08	3	0.5	<0.2	
RR-2	Rock	7.39	0.021	5	4	0.17	13	0.007	<20	0.28	0.004	0.12	<0.1	0.07	0.6	<0.1	0.20	1	1.1	1.4	
RR-3	Rock	0.15	0.012	<1	6	0.13	83	<0.001	<20	0.20	0.002	0.07	<0.1	46.37	0.5	<0.1	1.34	<1	2.5	<0.2	5.236
RR-4	Rock	0.28	0.154	9	48	0.55	276	0.002	<20	0.85	0.005	0.30	0.1	0.64	3.6	0.2	<0.05	2	<0.5	1.2	0.128
RR-5	Rock	0.15	0.071	9	18	0.17	330	<0.001	<20	0.54	0.005	0.26	<0.1	0.23	2.8	0.1	<0.05	1	<0.5	<0.2	
RR-6	Rock	0.17	0.072	9	25	0.44	1046	0.001	<20	0.87	0.003	0.30	<0.1	0.10	3.6	0.2	0.13	2	<0.5	0.8	
RR-7	Rock	0.17	0.085	11	23	0.47	242	<0.001	<20	0.82	0.003	0.28	<0.1	0.28	2.8	0.2	0.11	2	0.7	<0.2	
RR-8	Rock	0.03	0.005	5	4	0.04	97	<0.001	<20	0.25	0.001	0.12	<0.1	0.02	0.2	<0.1	0.10	<1	<0.5	<0.2	
RR-9	Rock	0.10	0.022	19	2	0.18	168	<0.001	<20	0.62	0.004	0.27	<0.1	0.04	0.4	<0.1	<0.05	2	<0.5	<0.2	
RR-10	Rock	0.56	0.025	25	3	0.25	93	0.001	<20	0.73	0.008	0.37	<0.1	0.01	0.4	<0.1	0.06	2	<0.5	<0.2	
RR-11	Rock	0.07	0.021	1	68	0.04	24	0.002	<20	0.34	0.005	0.05	<0.1	3.44	1.4	0.1	0.14	2	0.8	<0.2	
RR-12	Rock	0.02	0.019	4	5	0.04	25	<0.001	<20	0.16	0.004	0.09	<0.1	0.49	0.6	<0.1	0.09	<1	1.1	6.0	
RR-13	Rock	0.06	0.015	3	7	0.11	24	<0.001	<20	0.20	0.015	0.07	<0.1	<0.01	0.7	<0.1	0.23	<1	4.0	<0.2	



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Project: Red Ridge  
Report Date: October 07, 2016

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Part: 3 of 3

## CERTIFICATE OF ANALYSIS

WHI16000296.2

Method	AQ374
Analyte	Pb
Unit	%
MDL	0.01
RR-1	Rock
RR-2	Rock
RR-3	Rock 0.08
RR-4	Rock 3.28
RR-5	Rock
RR-6	Rock
RR-7	Rock
RR-8	Rock
RR-9	Rock
RR-10	Rock
RR-11	Rock
RR-12	Rock
RR-13	Rock



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Page: 1 of 1

Part: 1 of 3

# QUALITY CONTROL REPORT

WHI16000296.2

Method	WGHT	FA550	FA550	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200
Analyte	Wgt	Ag	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	
Unit	kg	gm/t	gm/t	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	20	0.9	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	
Pulp Duplicates																					
RR-4	Rock	0.85	849	1.3	58.7	1357.9	>10000	3333	>100	30.9	12.5	2383	4.18	452.5	1410.9	2.7	63	30.6	95.7	2.0	23
REP RR-4	QC																				
RR-7	Rock	1.53	98	<0.9	8.1	637.0	5166.6	3754	99.9	20.6	13.5	1495	3.24	537.8	224.2	3.6	15	29.5	13.1	0.2	12
REP RR-7	QC		98	<0.9																	
Core Reject Duplicates																					
RR-2	Rock	1.88	<20	<0.9	25.1	112.4	2283.1	3524	5.2	3.3	3.4	1285	0.76	22.7	41.0	0.5	259	97.5	2.5	0.7	8
DUP RR-2	QC		<20	<0.9	24.7	120.8	2511.0	3881	5.6	3.5	3.5	1296	0.75	22.3	47.2	0.5	253	105.9	2.6	0.8	7
Reference Materials																					
STD AGPROOF	Standard		97	<0.9																	
STD DS10	Standard				15.5	151.0	154.4	360	1.9	69.8	12.1	932	2.84	53.7	91.7	7.9	71	3.0	8.1	12.6	44
STD GC-7	Standard																				
STD OREAS133B	Standard																				
STD OREAS45EA	Standard				1.8	732.8	15.6	32	0.3	386.1	51.7	426	21.71	10.8	59.6	11.1	4	<0.1	0.3	0.3	301
STD SP49	Standard		61	18.6																	
STD SQ70	Standard		159	39.7																	
STD AGPROOF Expected			94	0																	
STD SP49 Expected			60.2	18.34																	
STD SQ70 Expected			159.5	39.62																	
STD DS10 Expected					13.6	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	91.9	7.5	67.1	2.62	9	11.65	43
STD OREAS45EA Expected					1.6	709	14.3	31.4	0.26	381	52	400	23.51	10.3	53	10.7	3.5	0.03	0.32	0.26	303
STD GC-7 Expected																					
STD OREAS133B Expected																					
BLK	Blank		<20	<0.9																	
BLK	Blank				<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank		<20	<0.9	0.7	3.8	1.4	31	<0.1	1.3	3.6	457	1.83	1.5	<0.5	2.7	24	<0.1	<0.1	<0.1	24
ROCK-WHI	Prep Blank		<20	<0.9	0.9	3.2	1.3	27	<0.1	1.0	3.4	415	1.65	1.2	<0.5	2.4	25	<0.1	<0.1	<0.1	22



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Part: 2 of 3

# QUALITY CONTROL REPORT

WHI16000296.2

Method	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ200	AQ374	
Analyte	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	Cu	
Unit	%	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	
MDL	0.01	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2	0.001		
Pulp Duplicates																					
RR-4	Rock	0.28	0.154	9	48	0.55	276	0.002	<20	0.85	0.005	0.30	0.1	0.64	3.6	0.2	<0.05	2	<0.5	1.2	0.128
REP RR-4	QC																				0.126
RR-7	Rock	0.17	0.085	11	23	0.47	242	<0.001	<20	0.82	0.003	0.28	<0.1	0.28	2.8	0.2	0.11	2	0.7	<0.2	
REP RR-7	QC																				
Core Reject Duplicates																					
RR-2	Rock	7.39	0.021	5	4	0.17	13	0.007	<20	0.28	0.004	0.12	<0.1	0.07	0.6	<0.1	0.20	1	1.1	1.4	
DUP RR-2	QC	7.26	0.020	5	4	0.16	11	0.006	<20	0.26	0.003	0.10	<0.1	0.08	0.6	<0.1	0.21	1	1.1	1.5	
Reference Materials																					
STD AGPROOF	Standard																				
STD DS10	Standard	1.08	0.087	18	54	0.78	457	0.086	<20	1.05	0.071	0.34	3.6	0.33	3.1	5.7	0.29	5	2.3	5.2	
STD GC-7	Standard																				0.558
STD OREAS133B	Standard																				0.030
STD OREAS45EA	Standard	0.03	0.031	8	912	0.10	169	0.107	<20	3.23	0.025	0.05	<0.1	<0.01	83.8	<0.1	<0.05	14	<0.5	<0.2	
STD SP49	Standard																				
STD SQ70	Standard																				
STD AGPROOF Expected																					
STD SP49 Expected																					
STD SQ70 Expected																					
STD DS10 Expected		1.0625	0.0765	17.5	54.6	0.775	412	0.0817		1.0259	0.067	0.338	3.32	0.3	2.8	5.1	0.29	4.3	2.3	5.01	
STD OREAS45EA Expected		0.036	0.029	7.06	849	0.095	148	0.0984		3.13	0.02	0.053			78	0.072	0.036	12.4	0.78	0.07	
STD GC-7 Expected																					0.555
STD OREAS133B Expected																					0.032
BLK	Blank																				
BLK	Blank	<0.01	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2	
BLK	Blank																				<0.001
Prep Wash																					
ROCK-WHI	Prep Blank	0.61	0.044	5	3	0.42	72	0.091	<20	0.89	0.104	0.10	0.1	<0.01	2.7	<0.1	<0.05	4	<0.5	<0.2	
ROCK-WHI	Prep Blank	0.54	0.041	5	3	0.38	69	0.089	<20	0.84	0.088	0.09	0.1	<0.01	2.6	<0.1	<0.05	3	<0.5	<0.2	



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Project: Red Ridge  
Report Date: October 07, 2016

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# QUALITY CONTROL REPORT

WHI16000296.2

	Method	AQ374
Analyte		Pb
Unit		%
MDL		0.01
Pulp Duplicates		
RR-4	Rock	3.28
REP RR-4	QC	3.28
RR-7	Rock	
REP RR-7	QC	
Core Reject Duplicates		
RR-2	Rock	
DUP RR-2	QC	
Reference Materials		
STD AGPROOF	Standard	
STD DS10	Standard	
STD GC-7	Standard	>10
STD OREAS133B	Standard	5.20
STD OREAS45EA	Standard	
STD SP49	Standard	
STD SQ70	Standard	
STD AGPROOF Expected		
STD SP49 Expected		
STD SQ70 Expected		
STD DS10 Expected		
STD OREAS45EA Expected		
STD GC-7 Expected		10.44
STD OREAS133B Expected		5.07
BLK	Blank	
BLK	Blank	
BLK	Blank	<0.01
Prep Wash		
ROCK-WHI	Prep Blank	
ROCK-WHI	Prep Blank	